

Biofouling Management Plan

In accordance with Appendix I of MEPC Resolution 'Guidelines for the control and management of ships' biofouling to minimise the transfer of invasive aquatic species' adopted at MEPC62 (15/07/11)

SHIP PARTICULARS

Ship's name

Flag

Port of registry

IMO number

Gross tonnage

Type (LR classified)

Regulation length

Beam

International call sign and MMSI

DESCRIPTION OF OPERATING PROFILE OF THE VESSEL

Typical operating speed

Period underway

Period static (berthed, anchored, moored)

Typical operating areas or trading routes

Planned duration between dry docking

DESCRIPTION OF THE FOULING CONTROL COATING

Fouling control coating applied	Area applied	DFT	Expected scheme life	Manufacturer	Cleaning requirements	AFS Certificate
Products(s) applied						
Areas not applied to / installed						
Marine Growth Prevention Systems (MGPSs) Dosing frequency						
Operating conditions required for coatings to be effective						
Other specifications relevant for paint performance						
Previous fouling control performance reports						
Detail any immersed areas where antifouling systems are not applied or installed						

DESCRIPTION OF AREAS ON THE SHIP SUSCEPTIBLE TO BIOFOULING

Areas particularly susceptible to biofouling

[Please indicate on the diagrams the areas particularly susceptible to biofouling, including niche areas and seawater systems access points in the internal seawater systems]



BIOFOULING MANAGEMENT ACTION PLAN TO MINIMISE THE TRANSFER OF INVASIVE AQUATIC SPECIES

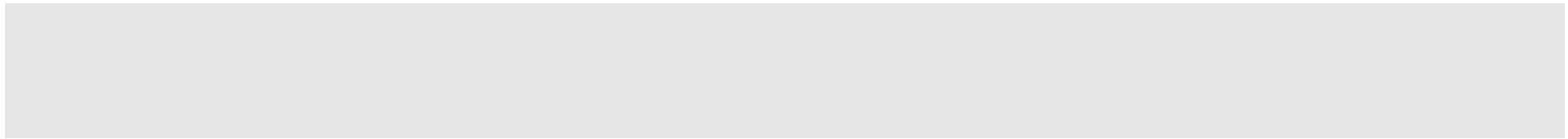
Ship area <i>(this should be completed for areas particularly susceptible to biofouling)</i>	Planned management action <i>(e.g., inspections, cleaning, repairs and maintenance)</i>	Management action if ship operates outside its usual operating profile
External hull surfaces:		
Vertical sides		
Flats		
Boottop		
Bow dome		
Transom		
Hull appendages and fittings:		
Bilge keels		
A-brackets		
Stabilizer fins		
CP anodes		

Ship area <i>(this should be completed for areas particularly susceptible to biofouling)</i>	Planned management action <i>(e.g., inspections, cleaning, repairs and maintenance)</i>	Management action if ship operates outside its usual operating profile
Steering and propulsion:		
Propeller		
Propeller shaft		
Stern tube seal		
Anchor chain		
Chain locker		
Rope guard		
Rudder		
Bow/Stern thrusters		
Propeller		
Thruster body		
Tunnel		
Tunnel grates		
Seawater intakes and internal seawater systems:		
Engine cooling system		
Sea chests <i>(identify number and position)</i>		
Sea chest grate		
Internal pipework and heat exchange		
Fire-fighting system		
Ballast uptake system		
Auxiliary services system		

OPERATION AND MAINTENANCE OF THE FOULING CONTROL COATING

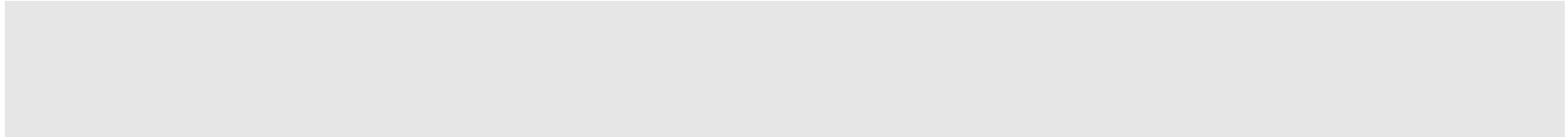
Timing of operational and maintenance activities

Schedule of planned inspections, repairs, maintenance and renewal of fouling control coatings



In-water cleaning and maintenance procedures

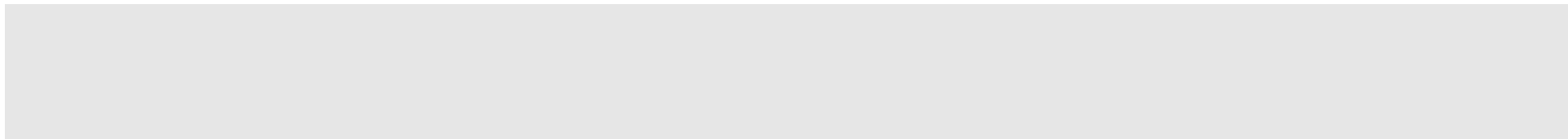
Schedule of planned maintenance procedures to be completed between drydockina events



Operation of onboard treatment processes

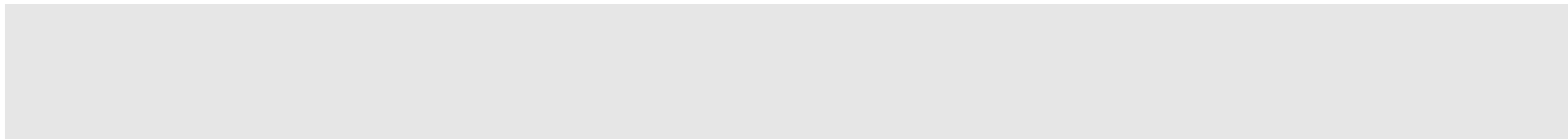
MGPS fitted, internal seawater systems covered by the system associated maintenance and inspection schedule and procedures

Operational frequency and cleaning/maintenance requirements on completion



Planned biofouling management if MGPS is temporarily out of operation

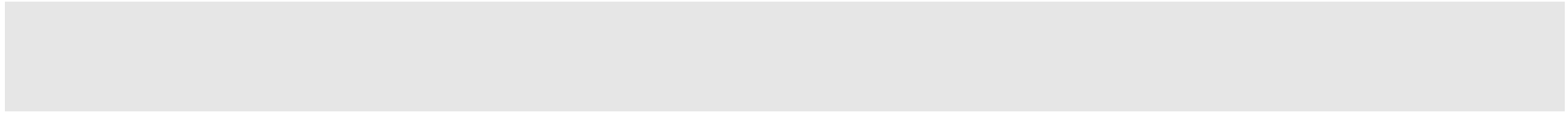
Document procedures



SAFETY PROCEDURES FOR THE SHIP AND CREW

Safety procedures to be followed during ship inspections

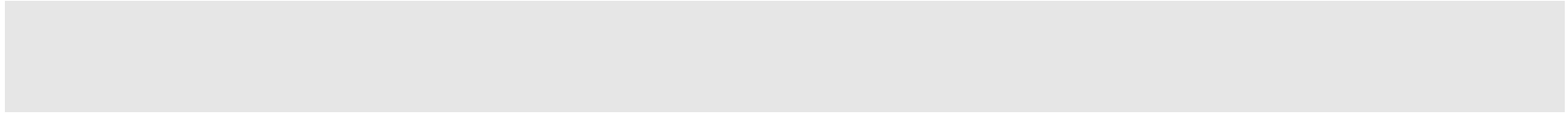
Details of specific operational or safety restrictions, including those associated with the management system that affects the ship and/or the crew



DISPOSAL OF BIOLOGICAL WASTE

Procedures for the disposal of biological waste generated by treatment/cleaning processes

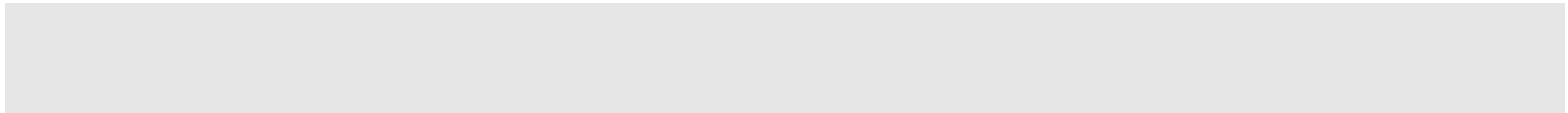
When the cleaning is conducted by, or under the direct supervision of, the shipowner, master or crew



BIOFOULING RECORD BOOK

Recording requirements

Documentation to be kept to verify operations / treatments



CREW TRAINING AND FAMILIARISATION

Provisions for crew training and familiarisation

Document procedures

