

Article 4.8 Biofouling Management Regulations: Overview of the Main Components



CHRIS SCIANNI
MARINE INVASIVE SPECIES PROGRAM CUSTOMER SERVICE MEETING
MARTINEZ, CALIFORNIA – 26 SEPTEMBER 2017
CALIFORNIA STATE LANDS COMMISSION





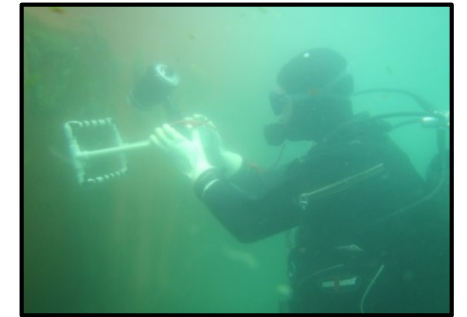
Article 4.8: Biofouling Management Regulations to Minimize the Transfer of Nonindigenous Species from Vessels Arriving at California Ports

- Approved by CSLC: April 20, 2017
- Filed by Secretary of State: August 14, 2017
- **Effective date: October 1, 2017**



Regulation Development Process

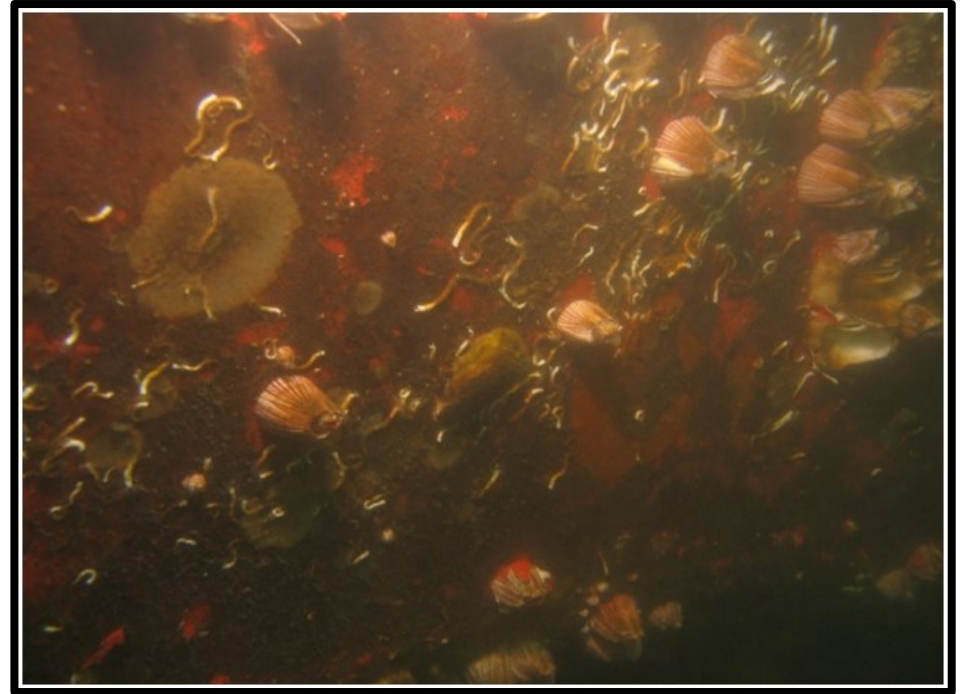
- Public process: three rulemaking actions
- Developed in consultation with stakeholders through technical advisory group since 2010
- Informed by 8+ years of vessel-reported data on biofouling management and operational practices
- Informed by 10+ years of funded biofouling research



What You Need to Know

(i.e. What We Will Cover Here)

- Applicability
- Biofouling Management Plan
- Biofouling Record Book
- Annual Vessel Reporting Form
- Biofouling Management for Wetted Surfaces
- Extended Residency Periods
- Propeller Cleaning
- Alternatives
- Emergency Exemptions



Applicability

All vessels 300 GRT and above

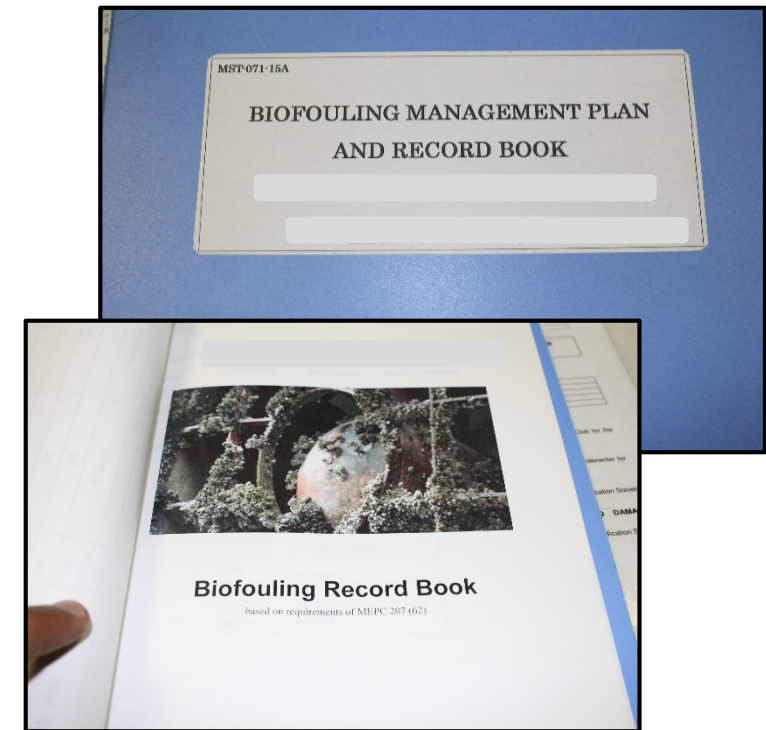
- Carrying or capable of carrying ballast water



Biofouling Management Plan and Biofouling Record Book

When are they required?

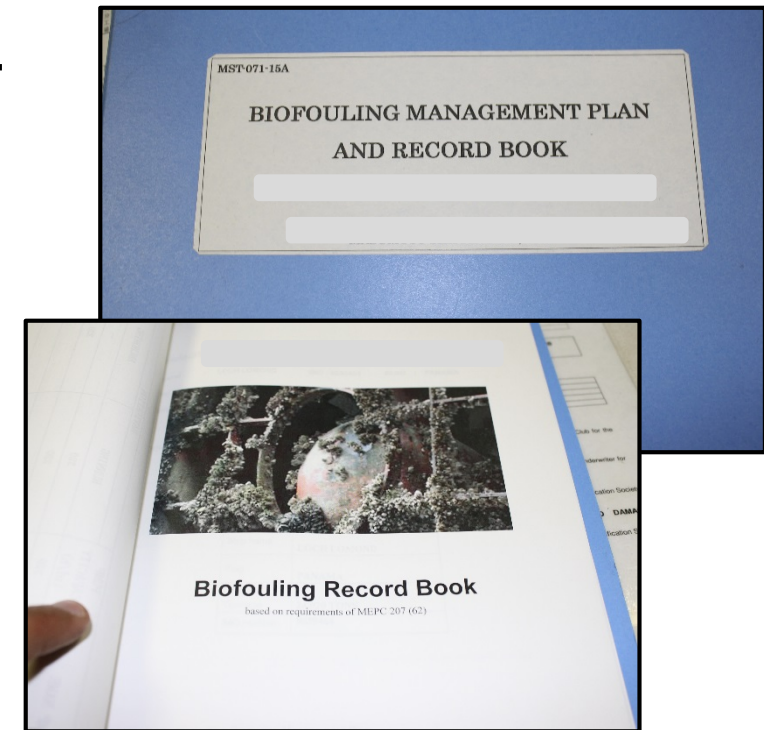
- Existing vessels: After first regularly scheduled out-of-water maintenance on or after January 1, 2018
- New vessels: Upon delivery on or after January 1, 2018
- 60-day grace period: If vessel does not have a Biofouling Management Plan or Biofouling Record Book during first arrival at a California port after the requirement is in effect



Biofouling Management Plan and Biofouling Record Book

What is required: Biofouling Management Plan?

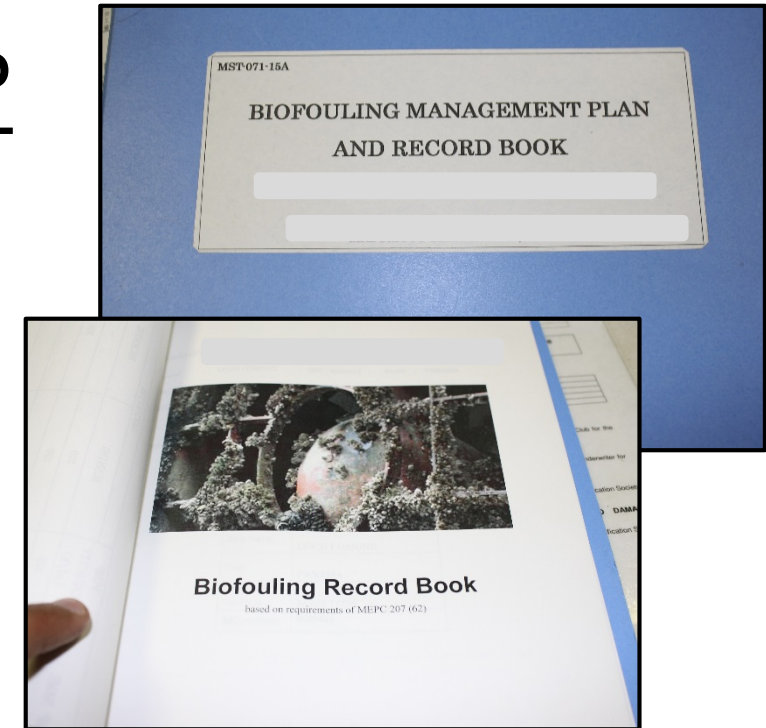
- Vessel-specific
- Retained onboard and made available to Commission staff for inspection and review
- Describe biofouling management strategy for the vessel
- Maintain consistency with IMO Biofouling Guidelines
- Describe biofouling management practices and anti-fouling systems
 - Specific details for anti-fouling coatings and marine growth prevention systems



Biofouling Management Plan and Biofouling Record Book


What is required: Biofouling Record Book?

- Retained onboard
- Contain details of all inspections and biofouling management measures undertaken since the most recent out-of-water maintenance or since delivery
- Maintain consistency with IMO Biofouling Guidelines
- Description of completed niche area management practices



Annual Vessel Reporting Form

Details in the next presentation

 STATE OF CALIFORNIA – STATE LANDS COMMISSION
MARINE INVASIVE SPECIES PROGRAM ANNUAL VESSEL REPORTING FORM
SLC 600.12 (Revised 08/17)
Public Resources Code Sections 71201.7, 71205

Vessel Name: _____
Official / IMO Number: _____
Responsible Officer's Name and Title: _____
Date Submitted (Day/Month/Year): _____

1. Does the vessel have a ballast water treatment system installed?
Yes IF "YES" Complete sections 1 and 2
No IF "NO" Complete section 1 only

Section 1: Hull Husbandry Maintenance and Operational Information

2. Since delivery, has this vessel ever been removed from the water for maintenance?
Yes No

a. If Yes, enter the date and location of the most recent out-of-water maintenance.

Last date out of water (Day/Month/Year): _____
Port or Position: _____ Country: _____

b. If No, enter the delivery date and location where the vessel was built:

Delivery Date (Day/Month/Year): _____
Port or Position: _____ Country: _____

3. Were the submerged portions of the vessel coated with an anti-fouling treatment or coating during the out-of-water maintenance or shipbuilding process listed above?
Yes, full coat applied
Yes, partial coat Date last full coat applied (Day/Month/Year) _____
No coat applied Date last full coat applied (Day/Month/Year) _____

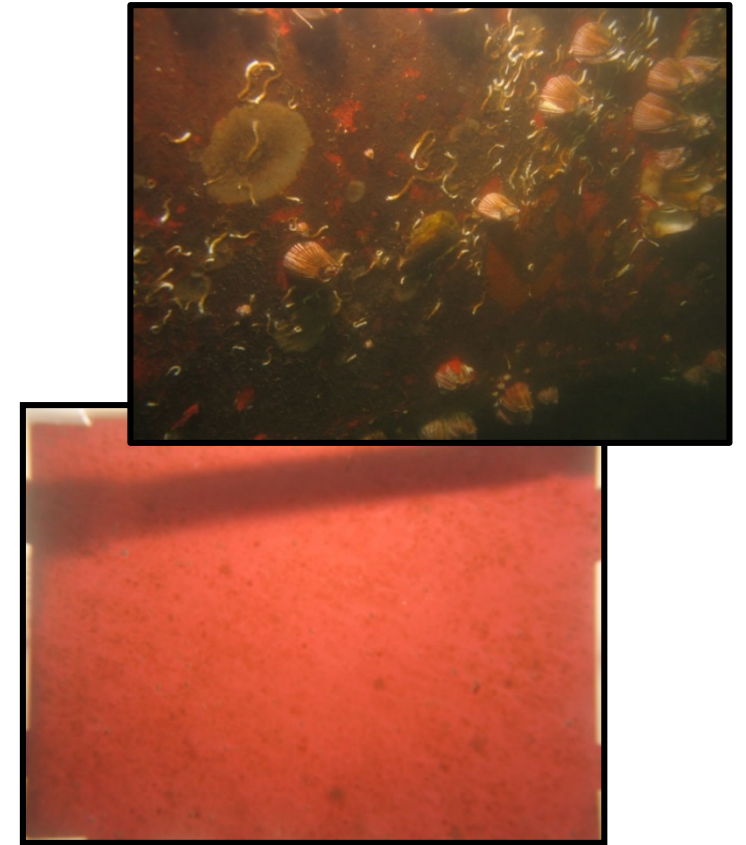
Official / IMO Number _____



Biofouling Management for Wetted Surfaces

When is this required?

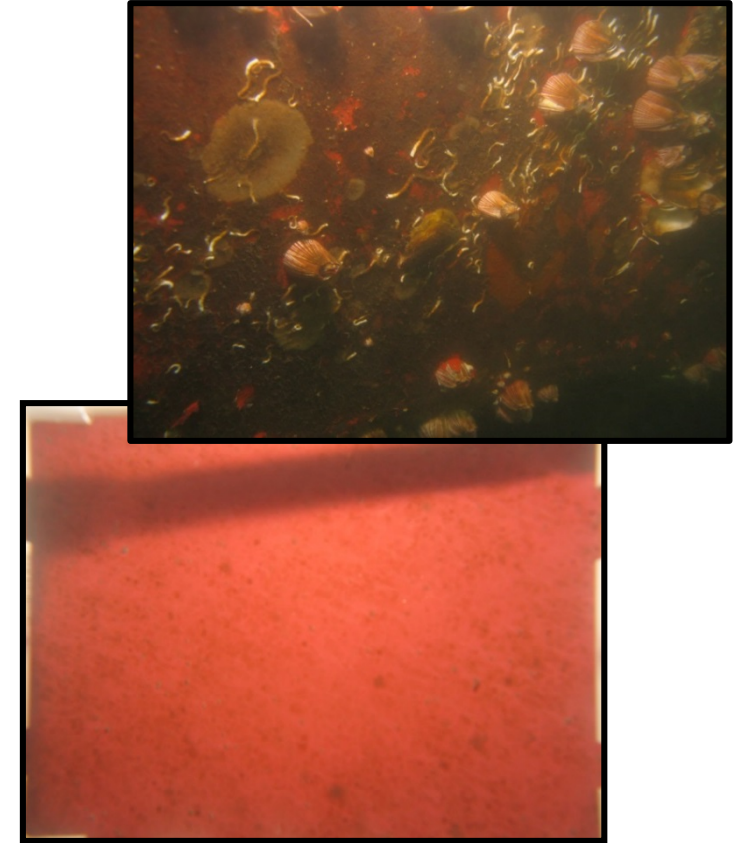
- Existing vessels: After first regularly scheduled out-of-water maintenance on or after January 1, 2018
- New vessels: Upon delivery on or after January 1, 2018



Biofouling Management for Wetted Surfaces

What is required?

- Anti-fouling or foul-release coating must not be aged beyond the expected coating lifespan
 - OR
- Biofouling Management Plan must show how biofouling will be managed if:
 - Expected coating lifespan is exceeded
 - There is no anti-fouling or foul-release coating



Biofouling Management for Wetted Surfaces

What is required?

- Biofouling in the following niche areas must be managed:
 - Sea chests and sea chest gratings
 - Bow and stern thrusters and gratings
 - Fin stabilizers and recesses
 - Out-of-water support strips
 - Propellers and propeller shafts
 - Rudders
- Management practices must be documented



Extended Residency Periods

When is this required?

- Existing vessels: After first regularly scheduled out-of-water maintenance on or after January 1, 2018
- New vessels: Upon delivery on or after January 1, 2018



Extended Residency Periods

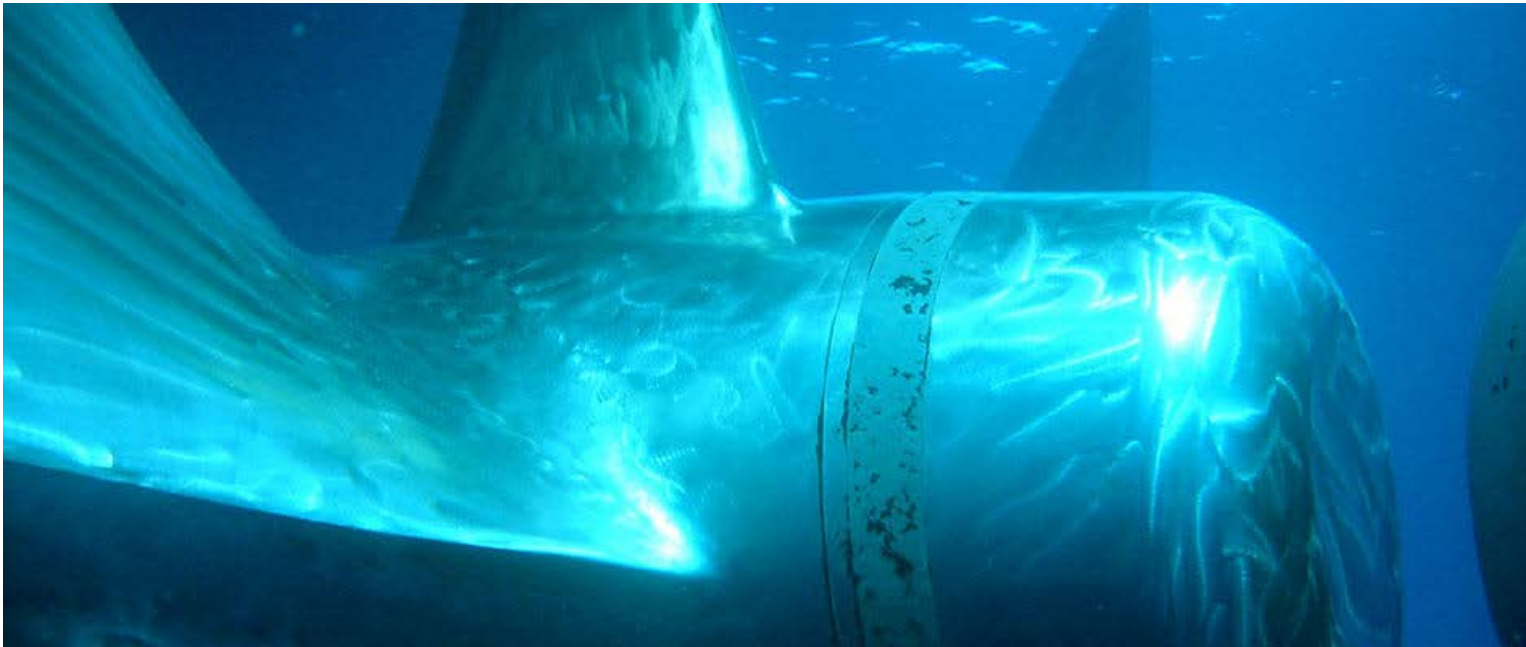
What is required?

- Manage biofouling in the niche areas listed earlier in a manner consistent with Biofouling Management Plan
- All biofouling management activities must be documented in the Biofouling Record Book



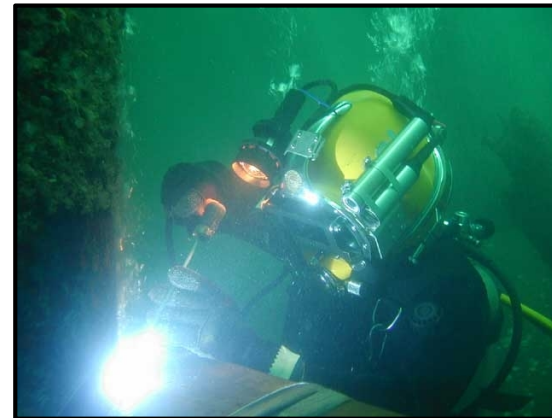
Propeller Cleaning

Not prohibited by these regulations



Alternatives and Emergency Exemptions

- Alternatives:
 - Blueprint for how to petition for alternative approaches to achieve the goals of the regulations
- Emergency Exemptions:
 - Specific criteria for exemptions under emergency situations



Biofouling Regulations

Status:

- Approved by State Lands Commission: April 20, 2017
- Filed by Secretary of State: August 14, 2017
- Implementation date: October 1, 2017

Availability of final rulemaking documents:

www.slc.ca.gov



Thank You

For more information:
Chris.Scianni@slc.ca.gov
(562) 499-6390
www.slc.ca.gov

