Two Halves Make a Whole: Adding Biofouling Regulations to the Mix to Manage the Entire Vessel as a Vector...

...Eventually

Chris Scianni
CSLC – Marine Invasive Species Program
Pacific Ballast Water Group
March 29, 2016 – Sacramento, CA
May 1, 2015 → Initiate Public Rulemaking

December 18, 2015 → CSLC Approval

Last remaining hurdle: Procedural review
Development

Approval

[Diagram showing a flow with 'Development' leading to 'Approval' with checkmarks]
Making Policy Sausage

A Behind-The-Scenes Look at the Development of Biofouling Management Regulations For the State of California

Chris Scianni
ICMCF – June 27, 2012
CA State Lands Commission
Marine Invasive Species Program

The opinions expressed are those of the presenter and do not necessarily represent the position of the California State Lands Commission.
Phase 5

Phase 1: Assess the Problem

Phase 2: Science/Data Collection

Phase 3: Stakeholder Input

Phase 4: Public Process

Proposed Regulations

...then what?
Phase 5: Sales Pitch

Decision makers have to approve

Subject to review by CA Office of Administrative Law to ensure compliance with Administrative Procedures Act
Rulemaking Byproducts

- Lengthy, complicated, frustrating process
  - For everyone involved
- But absolutely necessary
  - Every voice and concern is important
  - Every consideration needs to be made
- Likely that everyone involved will be happy with certain components, and unhappy with others
Quick updates from 2015 presentation:
Biofouling Management Regulations

- Reintroduce rulemaking action
- Protocols
- Regulatory guidance document
Quick updates from 2015 presentation:
Biofouling research

• Copper-tolerance

• ROV surveys of long residency vessel
Mini-review: Assessing the drivers of ship biofouling management – aligning industry and biosecurity goals

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Quick updates from 2015 presentation: Manuscripts

• Great Recession impacts on NIS introduction risk (in prep)

• Antifouling/Foul-Release coatings use
  • **See Raya Nedelcheva’s talk tomorrow!!!**
Quick updates from 2015 presentation

• CSU COAST Internship projects
  • Waterlines
  
  ![Waterlines Image]

• Biofouling Management Plans/Record Books

• Process ROV video

![Process ROV Image]
In-Water Cleaning
In-Water Cleaning: Who owns the discharge?

Discharge is covered under Vessel General Permit
- Now essentially the IWC company’s commercial discharge
- IWC company needs NPDES permit

Discharge is NOT covered under Vessel General Permit

Disclaimer: This slide represents my understanding of the situation, after conversations with EPA staff. I do not represent nor speak for the EPA.
You will make many changes before settling satisfactorily.
Thank You

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