

Marinas Interagency Coordinating Committee (MIACC)

Agenda for Online Meeting

Thursday, December 7, 2023

10:00 a.m. – 12:00 p.m.

[Click to Join Zoom Meeting](#)

Meeting ID: 863 8405 4047

Passcode: 516749

Phone (if not joining online audio): 1-669-444-9171

Hosted by the California Coastal Commission and State Water Resources Control Board

Note: The opinions expressed by Committee members, presenters, or any other participant who speaks or otherwise expresses an opinion at a meeting do not necessarily reflect the official policy or position of the State Water Resources Control Board, California Coastal Commission, or Marinas Interagency Coordinating Committee and Anti-fouling Strategies Workgroup. Meetings of this Committee and Workgroup provide an open forum where all participants are invited to share their input and opinions with mutual respect for other participants.

1. Introductions and Announcements (10:00 - 10:20 a.m.)

Coordinators:

- [Vanessa Metz](#)¹ –Water Quality Program, California Coastal Commission
- [Alex Rosado](#)² – NPS Program, State Water Resources Control Board

Participant Updates and Announcements:

- Participants introduce themselves and their affiliation.
- Updates and announcements from participants.

Action Items:

- Meeting notes, materials, and a link to a video recording of this meeting will be posted on the Coastal Commission's [Marinas and Recreational Boating webpage](#),³ under the heading “**Archive of Meeting Notes & Presentations’ – 2023, December**

¹ Vanessa Metz (Vanessa.Metz@coastal.ca.gov)

² Alex Rosado (Alexandra.Rosado@waterboards.ca.gov)

³ Marinas and Recreational Boating webpage: <https://www.coastal.ca.gov/water-quality/marina-boating/>

2. Shift to Assessments of Biological Integrity in Shelter Island Yacht Basin Conditions (10:20 - 10:50 a.m.)

Speaker:

- [Jeremy Haas](#)⁴ – Environmental Program Manager, San Diego Regional Water Quality Control Board

Summary:

The Regional Water Quality Control Boards are tasked with protecting and restoring the ability of state waters to support wildlife and human uses. For decades, their decisions have relied upon data from chemistry and toxicity. It is now time to use assessments of biological integrity. The San Diego Regional Water Board is investing heavily to develop and use bioassessment tools to support and inform Board decisions. This presentation will discuss a recent shift in perspective in the Shelter Island Yacht Basin conditions from water chemistry to biological integrity.

3. CeRam-Kote/Ram Protective Coatings (10:50 - 11:20 a.m.)

Speaker:

- [Bill Kraus](#)⁵ – CeRam-Kote Tech Rep for Marine Coatings

Summary:

1. What is CeRam-Kote AF Marine (CK-AF) bottom paint?
2. Short history of bottom paint on recreational boats.
3. Differences between CK-AF and copper bottom paint.
4. Brief background of DoD contract leading to development.
5. Plain CeRam-Kote (no additive) on boat bottoms past 24 years.
6. Performance evaluation of CK-AF.
7. Cleaning cycle.
8. Longevity.
9. Application.
10. Cost.

Hand-outs:

1. Photos of CeRam-Kote AF Marine
2. Bill Kraus Letter to Marina Managers & Dockmasters on CeRam-Kote AF Marine
3. The Log Article on CeRam-Kote AF Marine

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⁵ Bill Kraus (bill.kraus@sbcglobal.net)

4. Occurrence and Distribution of Polycyclic Aromatic Hydrocarbons and Polychlorinated Biphenyls in Surface Sediments of San Diego Bay Marinas (11:20 - 11:50 a.m.)

Speaker:

- [Dr. Eunha Hoh](#)⁶ – Professor, Environmental Health, San Diego State University

Summary:

PAHs and PCBs were investigated for their spatial distribution and composition in sediments of three recreational marinas in San Diego Bay. There were significant differences among the marinas, with concentrations in one site exceeding 16,000 ng g⁻¹. 'Hotspots' of PAH concentration suggest an association with stormwater outfalls draining into the basins. Total PCB concentrations ranged from 23 to 153, 31–294, and 151–1387 ng g⁻¹ for the three marinas. High-molecular weight PAHs (4–6 rings) were dominant (N86%); the average percentage of potentially carcinogenic PAHs was high in all sites (61.4–70%) but ecotoxicological risks varied among marinas. Highly toxic benzo(a)pyrene (BaP) was the main contributor (N90%) to the total toxic equivalent quantity (TEQ) in marinas. In this presentation, potential sources and ecological toxicity due to the contaminants will be discussed and further environmental monitoring frameworks will be proposed.

5. Meeting Wrap-Up (11:50 a.m. – 12:00 p.m.)

Coordinator:

- **Vanessa Metz** – Water Quality Program, California Coastal Commission

Purpose:

- Any additional announcements.
- Summarizing action items discussed during the meeting.
- Soliciting ideas for topics for the June/July 2024 MIACC meeting.

~ End ~

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