

**MARINA AND RECREATIONAL BOATING WORKGROUP
& ANTIFOULING STRATEGIES WORKGROUP MEETING**

MARCH 12th Meeting Notes

NEXT MEETING SCHEDULED FOR: SEPTEMBER 9TH 2015

Hosted by: Tamara Doan—California Coastal Commission and Jowin Jung—State Water Resources Control Board

Marina Interagency Coordinating Committee Meeting and Antifouling Strategies Workgroup

1. Introductions (15 minutes)

10:00 – 10:15

3/12/15

In person

Adrien Baudrimont, San Francisco Estuary Partnership
April Desilva, California Department of Pesticide Regulation
Barbara Heinsch, CalRecycle
Carlos Guterrez, California Department of Pesticide Regulation
Christopher Marquis, State Water Resources Control Board
Chris Scianni, State Lands Commission
Frank Winkelman, Pettit Paint
Jennifer Teerlink, California Department of Pesticide
James Muller, San Francisco Estuary Partnership
Jowin Jung, State Water Resources Control Board
Nan Singhasemanon, California Department of Pesticide Regulation
Sandy Lea, Kop-Coat Specialty Coating
Simon Landt, Windward Yacht Center
Tamara Doan, California Coastal Commission

On Phone

Angie Montalvo, California Fish and Wildlife
Barry Synder, AMEC
John Adriany, ChemMetrics
Colin Anderson, American Chemet Corporation
Frank Szafranski, Akzo Nobel
Jim Haussener, California Marine Affairs and Navigation Conference
John Pazdera
Karen Holman, Port of San Diego
Lynne Eddy, Port of San Diego
Leigh Johnson, University of California, Davis Extension
Matt Peterson, Fast Bottom Hull Diving
Mia Hunt, CalRecycle
Maral Tashjian, County of Los Angeles
Neil Blossom, American Chemet Corporation
Pat Earley, SPAWAR Systems Center, Pacific
Philip Tondreault, Cabrillo Way Marina (San Pedro)
Rey Heimstra, Orange County Coast Keeper
Shana Rappaport, Los Angeles Regional Water Quality Control Board
Stephanie Bauer, Port of San Diego
Tom Nielsen, Nielsen Beaumont Marine Inc
Vada Yoon, Anchor QEA
Virginia St. Jean, San Francisco Department of Public Health
Vivian Matuk, California Coastal Commission, Department of Boating and Water Ways

2. Announcements (20 minutes)

10:15 – 10:35

Attachments

None

- Focused stakeholder listening sessions will be delayed. State Water Board staff members are looking for guidance from upper management at this time; the State Board is not thinking of implementing a Statewide Marina permit just now, although it might happen, it is not on the docket currently.
- All Clean Marinas and those who are interested in becoming Clean Marinas are invited to join the quarterly Board meetings. At these quarterly meetings, the Board is offering preparation courses to present program requirements and answer specific questions for facilities prepa rep Course: Sacramento in April (West Sacramento). The current 2015 dates and locations detail will be posted on the website www.cleanmarina.org
 - Shelter Island Yacht Basin boaters interested in applying for an incentive to convert to eco-friendly hull paints should act fast - they have until March 20 to submit an interest form to the Port of San Diego. The Hull Paint Conversion Project was made possible with \$600,000 in funds from

MARINA AND RECREATIONAL BOATING WORKGROUP & ANTIFOULING STRATEGIES WORKGROUP MEETING

the State Water Resources Control Board's 319(h) Grant Program. The incentive program will be available through May, or until the funds are exhausted. Boaters will be responsible for paying for costs that exceed the grant amount. Funding is limited to boat owners within the Shelter Island Yacht Basin. Boater interest forms are due March 20. Submitting this form is the first step in the process to indicate interest in participating in the project.

Submit the form online: <http://vesselconversion.portofsandiego.org/Public/BoaterInterest>. Email the form: hullpainttransition@portofsandiego.org. Work (stripping and painting) on all participating boats must be completed by May 15.

- The 2015 Strictly Sail Pacific (<http://strictlysailpacific.com/>) in Jack London Square, Oakland. The California Coastal Commission, the California State Parks Division of Boating and Waterways' (DBW) Boating Clean and Green Program, DBW's Boating Safety and Education Program, the San Francisco Estuary Partnership (DBW's Clean Vessel Act Education Program) will be attending this great show. During the show, DBW will be conducting face-to-face boater education about clean and safe boating practices and will be distributing the 2015 Recreational Boater Kits and the San Francisco Bay Area and the Delta clean boating and sewage pump-out maps.
- Vivian Matuk said Boating partners in Southern California: Marinas and yacht clubs – 2 workshops (Ventura 4/28 San Pedro 4/29). Registration is required – call 415-904-6905.
- Philip Tondreault asked about stranded sea lions and abandon sea lion pups in marinas. What do marinas do if the marina is packed with sea lions and abandon sea lion pups? Sea World was taking in abandoned sea lion pup, what other shelters are available?

3. Report on Marina del Rey antifouling workshop (25 minutes)

10:35 – 11:00

Leigh Johnson—University of California Cooperative Extension

Attachment



AGENDA FOR MDR
WORKSHOP (revised)

Leigh Johnson addendum to minutes:

- *The University of California Division of Agriculture and Natural Resources (UCANR), California Sea Grant Extension Program, (CSGEP) and Los Angeles County Department of Beaches and Harbors (DBH) conducted a half-day workshop at Burton Chace Park (BCP) in Marina del Rey.*
- *The primary purposes of the workshop were to:*
 - *Educate DBH staff and members of the Marina del Rey boating community and businesses on options for responding to new regulations on discharges of copper from antifouling paints applied to hulls of boats moored in the harbor; and*
 - *Engage individuals who are in a position to extend what they learn to other boating community members, especially boat owners, or to develop plans for reducing copper discharges, and to foster their intention to do so.*
- *The workshop was a great success! It attracted 64 people from 43 organizations, who educate or represent boaters, provide products or services to them, or who conduct agency programs related to antifouling paints and water quality. Thus, they are in contact with boat owners and/or make decisions that affect them. Attendees learned how to select tactics and use them to create a fouling control strategy that is tailored to where a boat is kept and how it is used, as well as considerations in applying and maintaining a variety of hull coatings. They also learned about copper's toxicity to marine life, copper tolerance of invasive and other hull fouling species, and how to avoid spreading them to new areas. Further, by interacting with*

MARINA AND RECREATIONAL BOATING WORKGROUP & ANTIFOULING STRATEGIES WORKGROUP MEETING

representatives of hull coating, hull cleaning, boat repair, boat lift and air dock companies they were able to obtain in-depth information about the roles these vendors can play in fouling control strategies.

- *80% of the 44 people who completed an evaluation reported that they gained useful information. From 51% to 82% reported gaining high levels of new information about topics in the UC Integrated Pest Management presentation. These moderate to high results reflect the audience's sophistication about some but not all of these issues.*
 - *The exception was that only 30% said they gained high levels of new information on policies to restrict copper antifouling paints. This reflects that local, public hearings had already been held to discuss the regulations.*
 - *From 66% to 78% of evaluation respondents indicated that they intended to discuss information from the workshop with other boaters, industry professionals and/or customers. This result is particularly exciting as it demonstrates the workshop's success in laying a foundation for educating the broader boating public in Marina del Rey!*
 - *The Log boating newspaper reporter, who attended the workshop, published an article on March 12, 2015 (see attached). The article includes information from some workshop presenters and reports that were provided at the workshop, thus extending its impact.*
- Simon –
Q: IPM issues w/4500 boats w/in a few months is impossible to achieve
A: NPS for entire state sets funding/grant reviews, etc
- Phil –
Q: have to remove all old Cu paint before you can put new paint on (\$6-8K to remove, then cost of new paint)
- Nan –
Q: will there be another workshop?
- Vivian and Leigh are going to ask to do it again...via Dockwalkers? Sewage and Oil Spill prevention – as there are only TMDLs for two harbors...where to develop funding to educate boaters for the long terms...?
 - Department of Pesticide Regulation's upcoming activities may be able to fund future workshops.
 - An appropriate sub-set of group to talk to Nan in future;
 - Jowin to coordinate the group's discussion.
- Jowin, attended this workshop – thought it was great! Full of useful information to take back to others. Hopes there will be more funding – especially for education and outreach efforts.

4. Copper antifouling paint registrant update (15 minutes)

11:00 – 11:15

Nan Singhasemanon, and Carlos Gutierrez—California Department of Pesticide Regulation

Attachments



final_copper_afp_lea
chrates_list.pdf

Carlos Gutierrez:

- Update on Department of Pesticide Regulation on Reevaluation and Mitigation activities:
- June 2010 started the effort, which revised leach rate study, in-water hull study, etc
 - Legislation was signed in 2013 to establish leach rates and mitigation strategies (AB 425)
 - Currently, implementation phase of activities is ongoing; products with leach rate exceeding

MARINA AND RECREATIONAL BOATING WORKGROUP & ANTIFOULING STRATEGIES WORKGROUP MEETING

13.4 ug/cm²/day will have to be eliminated:

- Information is available on the antifouling website
- Usable material, the 'Paint List,' has been posted ~1 week:
9.5 ug/cm²/day is the new maximum allowable leach rate value
- New paints are coming out, as well as many alternative strategies
- Requiring label language for the proper care and Maintenance from paint manufacturers, including hull cleaning requirements
- In process of finalizing the components of these...
- Addressing the replies, actions and comments on the requests from the harbors/marinas as to what they are doing
- Reformulation to meet two leach rates based on the analysis:
9.5 ug/cm²/day and 13.4 ug/cm²/day discussions as max;
end goal is <9.5ug/cm²/day; based on particular cleaning rate
- Q: sharing the lower leaching rate paints...as these still may not meet the TMDL regulations
A: response to AB 425 requires strategies to mitigate – taking the approach to meet legal regulations... need EDU to meet regulations...
 - Category 3 (>13.4) – “Irgarol” (pesticide used on antifouling paints) – won’t be back till later summer due to new plant location issues – paints will need to be reformulated or inactivating the products (stop use); currently manufacturers are just bumping the Cu content of other paints
 - Actively putting the regulatory requirements banning those Category III products
- Simon: Q: What are the VOC considerations? 150-330 VOC; requirements for VOC compliant thinners for application, as adding solvent to apply bumps up VOCs

5. Meeting Wrap Up (15 minutes)

11:15 – 11:30

- Next meeting date: September 9, 2015 – with possibility of topic specific group meetings in between.

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