

**INTERAGENCY COORDINATING COMMITTEE (IACC)
JOINT MARINAS AND RECREATIONAL BOATING AND
ANTIFOULING STRATEGY (AFS) WORKGROUP**

DRAFT MINUTES FOR THE July 9, 2009 Meeting

SAVE THE DATE: The next in-person meeting is scheduled for **Thursday, October 8, 2009, from 10-12** at Cal/EPA, Room 1510. Conference Call Number: 916-227-1132

Meeting Attendees: Molly Munz, Steve Fagundes (State Water Resources Control Board); Nan Singhasemanon (Department of Pesticide Regulation); Alan White (CA Integrated Waste Management Board); Melissa Salinas, Dan Garza (Department of Toxic Substances Control); Tim Leathers (Clean Marinas California Program)

Phone In: Lisa Sniderman (California Coastal Commission); Vivian Matuk (CCC/Department of Boating and Waterways); Mary Fiore-Wagner (Lahontan Regional Board); Peter VonLangen (Central Coast Regional Board); Bob Riopel (RBOC); Linda Candelaria (Santa Ana Regional Board); Grace Lee (Santa Monica Bay Restoration Commission); Ignacio Rivera (SPAWAR Systems-US Navy); Rusty Rutherford (Interlux Paint); Katy Wolf (Institute for Research and Technical Assistance); Neal Blossom (American Chemet); Rolf Schottle, Michelle Woo (AMEC); Karen Holman, Stephanie Bauer (Port of San Diego); Robbie Dean, John Adriany (San Diego Yacht Club); Jack Peveler (County of Ventura and CAHMPC); Lauren Gilligan (Save Our Shores); Tom Nielsen (Nielsen Beaumont Boatyard)

Marina IACC Meeting

1. Announcements and updates (Marina IACC)

Grace Lee (Santa Monica Bay Restoration Foundation) announced Honeypot Day, funded by grant funds from Department of Boating and Waterways, which offers free mobile sewage pumpout service to boaters of Marina del Rey twice a month from June to September to raise awareness about mobile pumpout services and educate boaters about adverse effects of sewage discharge. In June, this successful program serviced and outreached to over 30 boats/boat owners. The dates for Honeypot Day in July-September are:

**July: Friday, 17th & Saturday, 25th
August: Friday, 21st & Sunday, 30th
September: Friday, 25th & Saturday, 26th**

For more information, contact Grace Lee, glee@santamonicabay.org. To register, contact Unica Luna at 310.216.9824 / uluna@santamonicabay.org. (A flyer has also been distributed via email to the Marina IACC).

Grace also updated the group that there is a new oil absorbent exchange center and bilge pad exchange program in Long Beach at the Alamitos Bay Marine Fuel Dock and that on July 18, 2009, from 10:00 am to 2:00pm, SMBRF, with assistance from Vivian Matuk of CCC and DBW, and Dockwalker volunteers, will be hosting an opening day to highlight the exchange program and prevention of oily bilge water from entering marina waters.

Vivian Matuk (DBW/CCC) provided an update on the City and County of San Francisco Department of the Environment's Integrated Waste Management grant-funded project. SF DOE, in partnership with the California Department of Boating and Waterways and the California Coastal Commission's Boating Program, will install 4 Absorbent Exchange Centers in the San Francisco Bay Area (South Beach Harbor, San Francisco Yacht Harbor, Hyde Street, Treasure Island Marina). In addition, the project also will be developing 2,000 boater kits specific to the Bay Area and 8,000 copies of a new SF Bay Area Clean Boating map. Vivian also indicated that she is conducting research on the issue of addressing abandoned vessels in the Delta (e.g., a possible a turn-in program based on successful models elsewhere in the Nation and Canada). Vivian mentioned that so far she hasn't found such a program in the US or Canada. Vivian also reminded the group that the Environmental Boating Laws Brochure is available. For more information, contact [ymatuk@coastal.ca.gov](mailto:yamatuk@coastal.ca.gov).

Lisa (CCC) and Vivian received notice from Chela Zabin (see contact info below) that there is a new invader in San Francisco Bay—an invasive Asian kelp: *Undaria pinnatifida*. This invader, which has been in Southern California since about 2000, is a nuisance as a fouling pest of boats and marinas and a potential threat to native kelp ecosystems. It has spread into the kelp forest on Catalina Island and has invaded marine reserves in New Zealand. Until now, Monterey Harbor was the northernmost the kelp had spread. Lisa sent a flier and more information on this invader to the Marina IACC. At this point, there are no specific proposed mechanisms to address the invader, but any sightings should be reported to DFG and Chela.

For more information and to pass on contacts and suggestions, please contact:

Chela Zabin, PhD
Smithsonian Environmental Research Center &
University of California, Davis
3152 Paradise Drive
Tiburon, CA 94920
phone 415-435-7128
email: zabinc@si.edu

Action Items:

- ***Vivian will work to send a press release and pass on the flier and information to CCBN, divers, RBOC, etc.***
- ***Vivian (and others) will send contacts to Chela***

Molly Munz (State Water Board) indicated that she was working on the draft coastal marinas permit. She announced that there would likely be a Winter workshop (January 2010 or later) in Southern CA and the San Francisco Bay Area to obtain public stakeholder input on specific elements (e.g., a risk complexity matrix, a tiered monitoring and reporting program, etc.) prior to a public CEQA hearing in Sacramento. Information will be going out through the State Board's ListServe. For more information, contact mmunz@waterboards.ca.gov NPS Pollution Control Program, 916-341-5485.

2. Update on Pollution Prevention Project (Department of Toxic Substances Control)

Dan Garza (DTSC) gave a presentation entitled, "Marina Vessel Service and Repair, Developing a P2 Toolkit." The objective of the project is to develop a Toolkit that can be used as part of a program to increase the implementation of pollution prevention (P2)

strategies at marinas to eliminate or reduce hazardous waste generation and/or VOC emissions. The main elements include a needs assessment, establishing partnerships, developing alternatives including best management practices and strategies, training and resources. The status is that DTSC is restarting the project, which was on hold due to staff turnover and some freezing of resources. From the discussion, it appears that DTSC's focus for their toolkit will be on recreational boating marinas. Many agencies and organizations already have education and outreach materials intended to address boating and marina related NPS water quality impacts. Some participants would find a gaps analysis and using DTSC to help fill gaps a more useful and on target project. Lisa suggested that DTSC identify who they want to work with as partners and arrange an introductory phone call or in-person meeting to help see where the gaps are that need to be filled. Dan indicated that they were not limited to a "Toolkit" if the needs were better served elsewhere. Dan also indicated that DTSC is working with the Port of San Diego on the nontoxic antifouling coatings project as well as with SF DOE on nontoxic/less toxic products used by industry. For more information, or for a copy of the presentation, contact: Daniel Q. Garza, (916) 322 5798, dgarza1@dtsc.ca.gov or Melissa Salinas, (916) 322 7636, msalinas@dtsc.ca.gov.

Action Items:

3. Update on Boating and Marina-Related Activities in Tahoe Basin (Lahontan Regional Board)

Mary Fiore-Wagner (Lahontan Regional Board) gave a presentation entitled "Region 6 Lahontan Water Board Marina and Shorezone Issues," covering the marina general permit, shorezone program (TRPA) and shorezone monitoring, AIS coordinating committee and working group, and Asian Clam management. Mary described the permit's general history and coverage and some of the key requirements, e.g, preparing Storm Water Pollution Prevention Plans, implementing BMPs, submitting annual reports, reporting on sewage pumpout, etc. She noted that the permit combined the requirements and monitoring needs from two separate permits into one. Lisa asked whether the permit has been effective, e.g., whether it is well received by the regulated community, whether Regional Board staff have been able to review the annual reports, whether water quality has gotten better, etc. Mary noted that initially, it was well received and there was a lot of open communication, but it is difficult to know. She also noted that EPA was planning an audit and would be coming out with findings, which she can provide to the group. Mary described the Shorezone ordinances (Oct 2008), which regulate new shorezone development within the Tahoe Basin, and Shorezone Plan requirements (e.g., blue boating program implementation), mitigation monitoring schedule, constituents and sampling locations. She described how the monitoring results would be analyzed and compared to baseline efforts to determine whether more/different mitigation measures were needed. She also talked about the AIS funding, inspections, decontamination procedures and management, including the water quality and ecosystem impacts of the Asian Clam. Mary emphasized the statewide importance of the AIS and indicated that the Tahoe AIS Coordinating Committee and Working groups have offered their assistance to the State on the issue. For more information, or for a copy of the presentation, please contact: mfwagner@waterboards.ca.gov, 530-542-5425.

Action Item:

- ***Mary will follow up on the EPA Audit and send Findings on the effectiveness of the marina permit to Marina IACC***

Antifouling Strategy (AFS) Workgroup Meeting

4. Highlights of findings from UC Sea Grant Study (carried over to October meeting)

Nan Singhasemanon (DPR) announced that Leigh Johnson of UC Sea Grant Program was unable to join the meeting and provide a summary of highlights from the recently completed study. Nan had been reviewing the report, which documented the costs of various antifouling strategies. Part of the work also involved a multi-regional survey of 106 marinas, 33 boat repair yards, 27 hull cleaners, and a number of recreational boaters from the San Francisco Bay down to Baja California. The survey looked at a number of important socio-economic elements including costs, practice, perception, attitudes, and willingness. Nan added that much of this information will be very useful for many parties as non-copper fouling management options are considered and potentially adopted.

Nan said that he will work with Leigh to get this topic back on to the next meeting agenda. The rest of the AFS meeting, therefore, consisted of agency and stakeholder updates.

5. Agency Updates

Nan notified the workgroup that DPR's report titled "Monitoring for Indicators of Antifouling Paint (AFP) Pollution in California Marinas" (also known as AFP report) has been finalized and approved for public release. He will send links of the report to collaborating marinas in the study first as a courtesy. Then, the links will be provided to the workgroup and those who are on its distribution list. Nan explained that he is trying to avoid sending the files as email attachments since there might be problems with the file size. However, the links might not be send out for a couple of weeks as DPR's web person is out on leave. Nan said that he would like to send them out as soon as possible as he wants to minimize any additional delays. Findings from the study have not changed from the several presentations that have been made over the last year although the data from the study are now disclosed as part of the report. U.S. EPA has been waiting to evaluate this data set as it works to refine its risk management decisions for antimicrobial uses of copper oxide and zinc pyrithione. Nan expects to send the data to U.S. EPA within the next couple of weeks.

Nan pointed out that with the report being completed, it can now be used as the supporting documentation for a reevaluation request on copper AFP pesticides. DPR had announced its intention to pursue reevaluation on copper AFP products, and possibly non-copper AFPs, back in late 2007.

Action Item:

- ***Nan (DPR) will send the AFP report links to AFS Workgroup members and those on the workgroup's distribution list***

Neal (American Chemet) announced that copper AFP registrants have not been waiting to see if and when the reevaluation will take place, but have organized themselves to explore potential management practices that could mitigate the problem of elevated dissolved copper concentrations in marinas. The copper industry is also looking to establish dialogue with the State and Regional Water Boards regarding updating the California Toxics Rule (CTR) standards for copper to reflect the changes that are occurring on the federal level with the acceptance of the use of the Biotic Ligand Model. Moreover, the industry is evaluating the water quality benefits of newer epoxy-based

AFPs versus older ones. The traditional paints can contain as much as 50% more copper in them.

Neal stated that the underwater hull cleaners need to be involved when the mitigation is being discussed. He applauded their willingness so far to discuss potential management practices that could lower copper release from hull cleaning activities. Neal also stated that he believes that there was a balance to be struck with copper coatings and non-copper ones in the marketplace. Having a variety of biocides and paints for antifouling use may minimize the likelihood of one biocide causing a water quality problem.

Karen Holman (Port of San Diego) gave an update on the Safer Alternatives to Copper Antifouling Paints Project. The Port is in the midst of the hull testing phase of the study. Ten coatings proved successful in its panel testing phase and are being tested on boat hulls in San Diego Bay. Six of these are “biocide-free” coatings; two are single biocide paints; two are multiple biocide paints. In early May, test boats were inspected for conditions and coating maintenance needs. Vessel-use logs are also being tracked.

Later in July, divers’ cleaning procedures will be peer-reviewed. Another round of panel testing may be added as many products have been reformulated based on the initial panel testing results. As many 25 new paints could be tested. For more information on the project and the results, please visit the project web site at www.portofsandiego.org/environment/alternative-hull-paints.html

Linda Candelaria (Santa Ana Region) reported that the Newport Bay-Orange County Coastkeeper continues to conduct its 319-grant supported Lower Newport Bay Copper Reduction Project, which is expected last 3 to 4 years. Educational materials for boaters are being developed. Coastkeeper also recently approached the local Harbor Commission to seek a city resolution that will support the transition of boaters in Lower Newport Bay from using copper AFPs to using non-toxic AFPs. (Note that this is not a ban or regulatory restriction on the sales and use of AFP pesticides.) Linda also mentioned that the California Professional Divers Association is interested in being involved in the project.

Molly Munz (State Board) briefly mentioned that she has been in communication with various coastal Regional Boards and other stakeholder groups for feedback and ideas on the draft coastal marina permit. Molly anticipates that the first public workshops will be held in the San Diego area between January and March 2010 and that CEQA hearing could begin as early as Winter 2010.

Just before meeting adjournment, **Nan** announced that Site Specific Water Quality Objectives (SSOs) were adopted by the San Francisco Bay Regional Water Quality Control Board for copper in San Francisco Bay. The southern portion of the Bay that is south of the Dumbarton Bridge already has copper SSOs, but the new SSOs apply to large portions of the rest of the Bay that north of Dumbarton. The new SSOs established higher limits for copper at 6.0 (chronic) and 9.4 parts per billion (acute). Nan explained that the higher limits are likely the result of the relatively high background concentrations of dissolved copper that exist in the Bay. The SSOs have been in development for several years, but was officially adopted by the Regional Board in January after U.S. EPA approval. Nan noted that a number of Bay Area marinas that were part of the DPR AFP study exhibited dissolved copper concentrations that exceeded CTR standards. However, with the recently established SSOs, most, if not all of them, are now in compliance. Marinas (and other aquatic areas that are considered

“waters of the State”) that are outside of the Bay Area are not addressed by these SSOs and are expected to be in compliance with existing CTR copper standards.

The next meeting will be held on October 8, 2009.