Meeting Notes

Marina Interagency Coordinating Committee (MIACC) & Anti-Fouling Strategies Workgroup (AFSWG) Meeting

Wednesday, March 21, 2018 1:00 PM - 4:05 PM

Hosted by Los Angeles County Department of Beaches & Harbors

Los Angeles County Department of Beaches & Harbors ADMIN HQ, Conference Room 13837 Fiji Way, Marina del Rey, 90292

1. Introductions and	Introductions and Announcements 1:00 – 1:20 pm (20 mins)		
Speaker(s):	Michael Hanks – Nonpoint Source Program, State Water Resources Control Board		
Purpose:	 Take attendance (please be prepared to introduce yourself and your affiliation) Announcements and updates from participants 		
Attachments:	Final September 2017 MIACC-AFS meet	ting notes	
ATTENDANCE: (listed in alphabetical order)	 Take attendance (please be prepared to introduce yourself and your affiliation) Announcements and updates from participants Final September 2017 MIACC-AFS meeting notes In Person: Aniela Burant, Department of Pesticide Regulation (DPR) Brenda Ponton, LA County Department of Beaches and Harbors (LACDBH) Cara Nager, Amec Foster Wheeler Chris Scianni, State Lands Commission (SLC) Greg Schem, The Boat Yard, Marina del Rey Jeanie Mascia, State Water Resources Control Board (SWRCB) Jim Hayes, Clean Marina Maral Tashijan, LACDBH Michael Tripp, LACDBH Michael Tripp, LACDBH Nan Singhasemanon, DPR Nan Singhasemanon, DPR Vicki Gambale, The Bay Foundation Vicki Gambale, The Bay Foundation Condation 		
NOLES:	• vivian iviatuk. Aquatic invasive Species workshops on April 4 in Morgan Hill, April		

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	12 in Sacramento, June 13 in Sausalito, please see https://www.parks.ca.gov/NewsRelease/792 for details.	
	 Free Oil Spill Response Communication Seminars for Marinas and Yacht Club Operators in Vallejo on May 8 and McClellan on May 17, see <u>http://www.parks.ca.gov/NewsRelease/793</u> for details. 	
	Michelle Bowman: Port of LA/San Pedro Clean Boat Expo on June 23.	
	• Tamara Doan will no longer be facilitating these meetings; thank you for all your hard work, you'll be missed!	
Action Items:	All finalized minutes, meeting presentations and materials, and a <u>video</u> of the meeting are posted in the <u>Coastal Commission's MIACC Archives</u> for future access, at https://www.coastal.ca.gov/water-quality/marina-boating/.	

2. Copper Anti-Fouling Paint Regulations Update1:20 - 1:35 pm (15 mins)			
Speaker(s):	Aniela Burant – Environmental Scientist, CA Department of Pesticide Regulation		
Purpose:	To update the MIACC/AFSWG of DPR's copper antifouling paint mitigation efforts and activities.		
Background:	On June 1, 2010, the Department of Pesticide Regulation (DPR) placed into reevaluation copper antifouling paint (AFP) pesticides based on dissolved copper concentrations in California marinas. Under the reevaluation, DPR required certain data including leach rate data and an under-water hull cleaning study. In October 2013, the Governor signed Assembly Bill (AB) 425 into law which required DPR to set a leach rate and make mitigation recommendations by February 1, 2014. On November 18, 2016, DPR proposed copper AFP regulations to establish a single maximum allowable leach rate for use on recreational vessels.		
Attachments:	 <u>Copper Antifouling Paint Regulations: What You Need to Know (PPT)</u> <u>List of Copper-Based Antifoulant Paints by Leach Rate Category (Updated July 2017)</u> 		
Notes:	 2 sites for every marina area LRS = Local reference site, outside of the marina DPR has authority to protect California's surface water from pesticide pollution Regional Board has the authority to regulate discharges of copper Michelle Bowman: Are there any regulations coming down the list? Linda Candelaria: Emphasize DPR that chronic criterion is 3.1; it has nothing to do with toxicity. Exceedance of CTR [California Toxics Rule] criterion alone is enough to list the waterbody. 		
Action Items:	Please review the DPR efforts, regulations, and reevaluation notices for <u>Antifouling</u> <u>Paint</u> , at <u>http://www.cdpr.ca.gov/docs/emon/surfwtr/regulatory.htm</u>		

3. State Water Board's Bacterial Objectives		1:35 – 1:50 pm (15 mins)
Speaker(s):	Karen Black – Environmental Scientist, State Water Resources Control Board	
Purpose:	To discuss the State Water Board's proposal to update water quality objectives associated with recreational exposure to water containing fecal bacteria.	
Background:	The State Water Resources Control Board is proposing a statewide bacteria water quality objectives and implementation options to protect recreational users from the effects of pathogens in California water bodies. The objectives and implementation options are proposed as a new part 3 of the Water Quality Control Plan for the Inland Surface Waters, Enclosed Bays, and Estuaries of California, and as an amendment to the Water Quality Control Plan for Ocean Waters of California.	

3. State Water Board's Bacterial Objectives		1:35 – 1:50 pm (15 mins)	
Attachments:	ments: • Update on the Proposed Bacteria Provisions (PPT)		
Notes:	Karen Black of the State Water Resources Control Board update of bacteria provisions to the group remotely, from introduced the topic of Quantitative Microbial Risk Assess new approach to quantify the health risk posed by microb previously been used to assess drinking water safety. Th applied to beaches with chronic water quality exceedance <i>Enterococcus</i> contamination. The QMRA method may be TMDL targets for beaches with non-human pathogen sou	of the State Water Resources Control Board's Ocean Unit provided an cteria provisions to the group remotely, from her office in Sacramento. She he topic of Quantitative Microbial Risk Assessment (QMRA) modeling – a sh to quantify the health risk posed by microbial pathogens, which has been used to assess drinking water safety. The QMRA method can be beaches with chronic water quality exceedances linked to non-human is contamination. The QMRA method may be used to revise numerical s for beaches with non-human pathogen sources. Still apply – outside of State Board's jurisdiction nability analysis required for limited REC-1 beneficial use be reduce risk, not just risk more responsibility on discharger ncy between regions – reduces the need for regional Basin Plan objectives be of natural source exclusion dicators only need for fresh water al threshold value allows 10% exceedance rate, measured over 30 day streation use – less stringent. Examples: fenced-off areas, channelized streams with little to no flow. Areas where ingestion chance is low. the – used within TMDL, no need to treat wastewater if background bacteria ent.	
	 Title 17 still apply – outside of State Board's jurisdiction Use attainability analysis required for limited REC-1 b Objectives reduce risk, not just risk more responsibilitien Consistency between regions – reduces the need for Allowance of natural source exclusion <i>E. coli</i> indicators only need for fresh water Statistical threshold value allows 10% exceedance radius 		
	 period. New Recreation use – less stringent. Examples: fend streams, streams with little to no flow. Areas where in Allowance – used within TMDL, no need to treat wast are present. No date for adoption. Schedule will be set up by the (below) for updates. Unit is currently considering feca change. 		
	Q&A		
	Q: Rolf: Using method detection unit? A: Karen: Methodology has been defined for proposed of	bjectives	
	 Q: What is a 'narrative' objective? A: Jeanie: A narrative water quality objective is descripti as opposed to a numerical objective (example, no more t From Karen: Narrative objectives are used where it is dif number (example Lake Tahoe). Also Basin Plans demon objectives of numeric objectives are assigned. 	ve (example, no toxic amount), han 30 milligrams per liter). fficult to assign one specific strate where narrative	
	Q: Jim Haussener: California is the only state that measifical coliform, maybe you can elaborate on that. Also, ha issues because of birds, are we moving away from that we A: Karen: The focus on the human health risk will help to bird fecal matter instead of it not mattering what the source this issue. Not sure why both total and fecal measurement the past.	ures both total coliform and arbors have had cleanup vith this new protocol? o distinguish human fecal from ce was and will help address ent was originally required in	
 Q: Paul Maechler: Wanted to confirm Karen was not revising the ISWE A: Karen: The ISWBB changes posted in January are the final change Provision is being revised from January until now. ~ Q: Paul Maechler: Are human health risk assessment being revised or 		sing the ISWBB. Ie final changes. Ocean Water ing revised or is it still going to	

3. State Water Boa	rd's Bacterial Objectives	1:35 – 1:50 pm (15 mins)
	be the epidemiological approach?	
	A: Karen: It is still the epidemiological approach and that material.	is being used for reference
Action Items:	Please review the <u>State Water Board's Bacterial Objectives website</u> , at www.waterboards.ca.gov/bacterialobjectives	

4. SCCWRP - Determining QMRA Eligibility at Urban Beaches1:50 - 2:20 pm (30)		1:50 – 2:20 pm (30 mins)	
Speaker(s):	John Griffith – Head of the Microbiology Department and Coordinator of Molecular Technology, Southern California Coastal Water Research Project (SCCWRP)		
Purpose:	To discuss SCCWRP's efforts to determine Quantitative eligibility at urban beaches.	Microbial Risk Assessment	
Background:	Quantitative Microbial Risk Assessment (QMRA) is a modeling approach used to quantify health risk from microbial pathogens that's widely used to estimate health risk from pathogens in drinking water. EPA has opened the door to using QMRA to revise numerical standards for Enterococcus at non-human impacted beaches.		
Attachments:	Determining QMRA Eligibility at Urban Beaches (PP	<u>°T)</u>	
Notes:	John F. Griffith from the Southern California Coastal Water Research Project (SCCWRP) gave his talk remotely. The topic was a study he completed with Ventura County and the Los Angeles Regional Water Board at Hobie Beach and Kiddie Beach (Channel Island Harbor) in Ventura County. The study focused on how to apply QMRAs to an urban beach setting and how it potentially can be used to set appropriate bacteria TMDLs. He ran through the procedures involved to evaluate the various potential human and non-human sources of Enterococcus, and summarized how the QMRA was applied to the specific conditions identified.		
	Q&A		
	 Q: Greg Schem: A power plant that has been operating circulation, NRG now owns the facility and they are consider. Did you consider this during the dry weather stud have going forward? A: John: Yes, the pumps were operating during the dry with the Public Works folks, probably don't have capacity weather volume. The FIB shows with the rain the beach not yet enough data to attribute the contamination to the harbor. 	 Greg Schem: A power plant that has been operating pumps using the water for rculation, NRG now owns the facility and they are considering shutting the pumps own. Did you consider this during the dry weather study and what effect might this ave going forward? John: Yes, the pumps were operating during the dry weather study and they worked ith the Public Works folks, probably don't have capacity to capture and divert the wet eather volume. The FIB shows with the rain the beach is contaminated, but there is ot yet enough data to attribute the contamination to the local storm drains or to the arbor. 	
	 Q: Michael Tripp: When talking about bacteria from birds or from humans, if the bacteria were eliminated would there still be a danger to swimmers? A: John: That's why you do the pathogen loading in the birds. Birds don't carry th human viruses that are in sewage and that is the main thing that contaminates th water and the thing we worry about when there is sewage. Bird bacteria tend to campylobacter or salmonella and tests on local populations the pathogenic strain those bacteria are pretty low, so low in fact you would probably have to catch bir poops in your mouth to get an infective dose. But you still have to measure them you would also measure the enterococcus in the droppings and when you have the health risk you can plug that into the model and you can adjust the allowable amenterococcus to meet the 30 illnesses per thousand set by the current EPA bend and the set of the se		

4. SCCWRP - Dete	rmining QMRA Eligibility at Urban Beaches	1:50 – 2:20 pm (30 mins)
	A: John: Its site specific, hence the site-specific objective they're a source you'd have to find out what the loading of ratio between fecal bacteria and pathogen, if any, from the about one source, there are people that are finding markin have markers for the birds, and as this goes on we are go what the sources are. When we did our QMRA in San Di coming out of the mouth of the San Diego River and that what the sources are and the concentrations in the water model to identify a risk.	e, if there are sea lions and of the fecal bacteria and the nat source are. I just talked ing for marine mammals, we oing to get better at teasing out iego we measure all the cloaca was our source. It's all about c. All those things go into the
	Q: Jeanie: Why can't you use QMRA for human-impacted A: John: You can, but if there's very little or dilute human risk of over or understating the risk. If you have a lot of hu as well use EPA standards because that's what they are no criteria, it's just a decision based on the data of what y particular beach when you had 60% of the samples that h advisory committee identified a chronic contamination pro- fixed, the County might do a QMRA but they are already enterococcus standard, so no reason to change the stand- already been met.	d beaches? contamination, you run the uman contamination, you might based on. For QMRA there's you should do. On this had a human marker, the oblem. After that pipe was in compliance with their TDML dard if the objective has
	 Q: Rolf Schottle: If the results of those markers were pre- indicative of a bay-wide source. I was just thinking for the from boaters. A: John: We actually did do some sampling around the a was consistent on coming from ground water; this was rig ~~ 	etty consistent, maybe it was a group that maybe it came area for human marker and it ght at the beach.
	Q: Paul: If you use the QMRA to establish you risk object circumstances would that no longer be applicable, e.g., y you stop seeing the birds but the exceedances continued question for the Water Board. Would that be factored in the downward?	tives, under what rour site conditions change and I. Maybe this is more a o revise the objective
	A: John: You're right, that's a policy question, but the scient sampling for human markers there to see if something do a one-way marker of fecal contamination – when you have enterococcus. It's possible you could have higher levels your objective and they might be from a sewage source to changed – a leaking pipe or illicit discharge- from a scient to keep sampling for a human marker, especially if you have doing you QMRA.	ence question is should we be besn't change. <i>Enterococcus</i> is ve sewage you always have of <i>enterococcus</i> but below because something has ice perspective you would want ad addressed a source prior to
	Q: Maral Tashjian: Do you test the beach sands for bacter A: John: Yes we have and sometimes we find them. Usu to what we see in the water. The way to look at the beach drill a groundwater monitoring well up-beach from there are back and forth. Where the waves are swashing we see it beach water. We do see higher levels of <i>enterococcus</i> we beach and also the bird marker in the sand – the birds are poop on the beach.	eria? ually in lower of similar levels ch sand and ground water is to and monitor the ground water dilute, just like we see it in the when there are birds on the re right there depositing the
Action Items:	Please review the <u>SCCWRP Beach Water Quality websit</u> http://www.sccwrp.org/ResearchAreas/BeachWaterQuali	te, at tv.aspx

2:20 - 2:30 BREAK (10 mins)

5. Pumpout Nav App 2:30 – 3:00 (30 mins)		
Speaker(s):	Victoria Gambale – Water Quality Programs Manager, The Bay Foundation	
Purpose:	To discuss the San Francisco Estuary Partnership and The Bay Foundation's Pumpout Nav smartphone app that is meant to revolutionize how we provide boaters with sewage disposal information.	
Background:	San Francisco Estuary Partnership and The Bay Foundation have worked with the State of California, through a CVA Outreach and Education grant, to build Pumpout Nav, a free smartphone app meant to revolutionize how we provide boaters with sewage disposal information. Using a map interface, boaters can find the nearest pumpouts from their location, report non-operable pumpouts, and access information about pollution prevention and sewage management. The app is also designed to be used by CVA staff for monitoring pumpout stations as well as generating reports on monitoring results. The Partnership (specify who the Partnership is since it isn't mentioned before) is excited to begin working with state CVA programs to include their information in the app. Attendees will learn about the App itself and how they can participate in expanding service to their regions	
Attachments:	<u>Pumpout Nav: Revolutionizing CVA's Outreach & Monitoring Abilities (PPT)</u>	
Notes:	Victoria Gambale of the (Santa Monica) Bay Foundation was on hand to introduce the new vessel pump-out navigation app, whose development has been managed through a partnership that includes the Bay Foundation, the San Francisco Estuary partnership, and US Fish and Wildlife's Sport Fish Restoration Program. Grant funds for the app were provided by the Clean Vessel Act administered by California State Park's Division of Boating and Waterway's Education and Outreach program. The app allows boaters to locate pump out services on the fly using an app on their cell-phone. The app also allows users to report on the condition of the pump out stations. The app is free and available for download from Google Play or the App Store.	
	Q: Mike Hanks: Do we know how many of the boaters are downloading the app?	
	A: James Muller: So far we have 411 downloads. We thought we were going to have a website platform then we were able to get native apps for the Android and the iPhone so they are tracked separately. Actually, it's more than that. We're getting quite a bit of traffic on this and DBW (Department of Boating and Waterways) is working with a marketing firm to make boaters aware of this. We launched this in April and expect the numbers to increase.	
	A: Vivian Matuk: I received data from the grantees, Vicki and the SRA partnership, and both apps have been downloaded over 1500 times and wanted to mention California is the first state to develop this type of application and California is the only state to monitor pump outs. We are glad to see the grantees working closely with the marinas and keeping their pump out facilities in working condition, especially those funded by our division.	
	A: Victoria: We hope to expand the number of public pump out units on the app that we monitor.	
	 Q: Greg: Do you keep hours of operating time in the survey? You could use that data to see if the boaters in the harbor are using the pump out facilities as they should. From the boatyard perspective he sees boats that don't have Y-valves [that enable hookup to a pump out facility], so it would be good to have a more comprehensive inventory to determine actual use. A: Victoria: We do collect that data, but it is not used in the report. There are also private 	

5.	Pumpout Nav	Арр	2:30 – 3:00 (30 mins)	
		and mobile pump out facilities that we don't track. That is something we are going to be looking at this year.		
		A: Vivian Matuk: Updated the group to report that the app had been downloaded over 1601 times from April to December 31 [2017]. Uploading data after that date is not yet available as it is reported quarterly.		
		A: James Muller: Foresees future reporting to specify volume of sewage whereas the only parameter to access that is hours of operation and the offload rate capacity differs between boats. We are working to resolve this with other states and federal representatives.		
		Q: Jeanie: Who maintains the pump out facilities? Is it the A: Victoria: It varies.	marina managers?	
		Q: Jeanie: You mentioned there is grant fund support? For A: Victoria: There are operation and installation grants and facilities have been replaced after 7 years without grant fur	Jeanie: You mentioned there is grant fund support? For all, or just for some? Victoria: There are operation and installation grants and they last for 7 years. Some ilities have been replaced after 7 years without grant funding.	
		~~ Q: ?(unintelligible)		
		Q: Michael Tripp: How do you keep track of new pump out A: Victoria: DBW knows about new facilities built with gran funding, it would be great if they would tell us. When the p we did a physical inventory of each marina. Some facilities them.	facilities? t funds. If not build using grant rogram started 15 years ago don't want us to monitor	
		A: James Muller: An inventory is planned for this year. Bay Francisco Estuary Partnership) are going to contact all the in the state to find out if they have pump-outs. Right now t Southern California Counties and San Francisco and we w include inland and the remaining coastal areas.	/ Foundation and SFEP (San marinas and boating facilities he app is focused on 5 rant to expand the app to	
		Q: Michelle Bowman: If you were a full service pump-out, mobile pump-outs for boats that aren't as seaworthy?	would you have a contact for	
		A: Victoria: The app has information on mobile pump-outs. at some marinas that show all the pump-out locations and	There is signage at the units the mobile pump out services.	
Ac	tion Items:	Please review the <u>Pumpout Nav Smartphone App website</u> http://www.sfestuary.org/clean-vessel-act-grant-program/#	, at cvapumpoutnav	

6. MEETING WRAP-UP		3:00 – 3:15 (15 mins)
Speaker(s):	Mike Hanks – Nonpoint Source Program, State Water Resources Control Board	
Purpose:	To review follow-up actions from this meeting and to solicit ideas for future meeting topics.	
Background:	N/A	
Notes:	Support given for future onsite meetings outside of Sacra support for alternating meetings between Sacramento an	amento. The group voices ad onsite meetings.
Action Items:	Please solicit future agenda items and presentation for fu	iture meetings.

7. Marina del Rey Site Tour3:15 – 4:05 pm (50 mins)		
Speaker(s):	<i>Michael Tripp – Chief of Planning, Los Angeles County Department of Beaches and Harbors</i>	
Purpose:	To tour projects at Marina del Rey that address water of	quality pollution
Background:	Attendees will tour the Oxford Basin Multiuse Enhancement Project and Parking Lot 9. The Oxford Basin Multiuse Enhancement Project is designed to enhance flood protection and reduce stormwater pollution while significantly improving the quality of the ecosystem within the facility. The project introduces new public recreational and safety amenities, including an illuminated walking path, observation areas and educational signage. Parking lot 9 uses bioswales and modular wetlands to reduce pollution runoff to Marina del Rey.	
Attachments:	None	
Notes:	Michael Tripp is Chief of Planning with the Los Angeles County Department of Beaches and Harbors (DBH). Prior to joining DBH late last year, he worked for 10 years with Los Angeles County's Department of Regional Planning (DRP). He has spent his entire career with the County working in the coastal areas of the Santa Monica Mountains and Marina del Rey. Michael Tripp can be reached at: <u>MTripp@bh.lacounty.gov</u>	
Action Items:	Please bring an umbrella and rain appropriate clothing for Wednesday. Please review the <u>County of Los Angeles Dept. of Beaches & Harbors Toxics TMDL</u> efforts website, at <u>http://beaches.lacounty.gov/toxics-tmdl/</u>	

~ End ~