

BACWA EXECUTIVE BOARD MEETING
Thursday, October 28, 2010, 9:00 a.m. – 12:00 p.m.

HANDOUTS

Handout Packet is available on the BACWA website (www.BACWA.org).

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AGENDA

Executive Board Meeting

Thursday, October 28, 2010
9:00 a.m. – 12:00 p.m.

EBMUD Plant Lab Library
2020 Wake Ave., Oakland, CA

ROLL CALL AND INTRODUCTIONS (9:00 a.m. – 9:05 a.m.)

PUBLIC COMMENT (9:05 a.m. – 9:10 a.m.)

REPORTS (9:10 a.m. – 10:00 a.m.)

1. Committee Reports Question and Answers.
2. Proposition 50 Grant Disbursements Status Report.
3. Executive Director Report.
4. Executive Board Reports.
5. Chair & Executive Director Authorized Actions
 - a. Contract with TDC Environmental for BAPPG Green Chemistry Support from Kelly Moran, \$4,000; File 12,225.
 - b. Contract with TDC Environmental for BAPPG Pesticide Regulatory Support; \$6,000; File 12,280.

CONSENT CALENDAR (10:00 a.m. – 10:30 a.m.)

6. Approval of Minutes from September 23, 2010 BACWA Executive Board Meeting.
7. Treasurer's Report for First Quarter Fiscal Year 2011 (July 2010 – September 2010).
8. Auditor's Report for Fiscal Year 2010, and Basic Financial Statements for 2009 & 2010.
9. Resolution adopting a vision statement for the use of wastewater as a resource for the San Francisco Bay Area; File 12,263.
10. Contract with Univision for BAPPG FOG Spanish Outreach; \$10,000; File 12,255.
11. Contract with Oakley Water Strategies/RMC for 2010 Mercury Group Reporting Support; \$20,000; File 12,281
12. Amendment to contract with Oakley Water Strategies for Committee and As Needed Technical Support to change contractor name to include RMC; File 12,162.

OTHER BUSINESS (10:30 a.m. – 12:00 p.m.)

13. Executive Board Chair & Vice-Chair Nominations & Election.
14. Shellfish Beneficial Use Issue Paper Presentation & Discussion (P. McGovern).
15. Energy Workshops: Strass WWTP Proposal (J. Kepke) & Coordination on Power Pricing & Generation Strategies (M. Connor).

16. Nutrients: NACWA Summit Presentation (G. Chesler), SCRSD Permit & General Discussion.
17. Annual Meeting Schedule & Topics.
18. 2011 Executive Board Meeting Calendar.

NEXT REGULAR MEETING

The next regular meeting is scheduled for **November 18, 2010**, 9:00 to 12:00 at the EBMUD Plant Lab Library in Oakland.

ADJOURNMENT (12:00 p.m.)

Handout Packet will be available by noon on October 27, 2010 on the BACWA website (www.BACWA.org).

Report to BACWA Board from AIR Committee (September 2010)

Document Control	Prepared by Sarah Merrill (Project Engineer) Reviewed by Stephanie Cheng (Committee Chair)
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Committee Request for Board Action	None at this time.
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Committee Agenda Items	None at this time.
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Recent Committee Actions:

Recent Committee Actions	<ul style="list-style-type: none"> Committee Meeting was held July 21, 2010 at the CH2M Hill Oakland offices
AIR Website	http://bacwa.org/Committees/AirIssuesRegulations/tabid/67/Default.aspx

News and Updates:

ARB: Off-Road Diesel Equipment Proposed Regulation Modifications	<u>Proposed modifications include:</u> <ul style="list-style-type: none"> "Yard truck" definition – exempt from regulation Low Use Provisions – two categories, increasing threshold from 100 hrs. to 150 hrs. Alternative Fuel Provisions – Electric and Gasoline-Powered special provisions
Status	<ul style="list-style-type: none"> June & July 2010 – Workshops held for stakeholder feedback Regulation enforcement still on-hold. Fall 2010 – Set for adoption
Website	http://www.arb.ca.gov/msprog/ordiesel/documents/offroad2010modifications.pdf

ARB: Proposed ATCM Amendments for Stationary, CI Engines	<ul style="list-style-type: none"> To align more closely with NSPS for consistency – new engines only Will require more stringent PM standards for engines that operate > 50 hrs/yr. (i.e. high-use) New Fire Pump engines (>50 hp) must meet standards if engine model year is 2007 or later Reporting required if operating in a Demand Response Program (DRP)
Status	<ul style="list-style-type: none"> August 2010 - Initial Statement of Rulemaking Package October 2010 - Obtain CARB Board Approval
For more information	http://www.arb.ca.gov/diesel/documents/atcmWorkshop061710.pdf http://www.arb.ca.gov/diesel/documents/atcm061710.pdf

BAAQMD: CEQA Guidelines Status Update	<ul style="list-style-type: none"> June 2010 - BAAQMD Board approved final Air Quality CEQA guidelines Includes construction and operational thresholds Plan and project level thresholds <u>New and Revised Thresholds:</u> <ul style="list-style-type: none"> Criteria Pollutants: Ozone Precursors (ROG, NOx) & Particulate Matter (PM₁₀, PM_{2.5}) Greenhouse Gases – Odors <u>Unchanged Thresholds:</u> Carbon Monoxide
Website	http://www.baaqmd.gov/Divisions/Planning-and-Research/CEQA-GUIDELINES/Updated-CEQA-Guidelines.aspx

Report to BACWA Board from AIR Committee (September 2010)

CWCCG Update: ARB Cap & Trade Wastewater Offsets	<ul style="list-style-type: none"> • Potential protocols <ul style="list-style-type: none"> - Conversion of septic system to central sewer system - Conversion of digester gas flaring to cogeneration fuel - CO₂ sequestration from land application - Displacement of fossil fuel fertilizers • Jul 13 comment letter: <ul style="list-style-type: none"> - Development of WW sector protocols should continue to be an ARB priority - Encourage expanded (>4%) use of offsets to meet C&T obligations - Allow pathway for direct measurement of offset project GHG reductions
Status	<ul style="list-style-type: none"> • CWCCG continues communication with ARB • CWCCG collecting supporting data and information from agencies in support of the proposed potential wastewater sector protocols

Next BACWA
AIR Meeting

Wednesday, October 20th, 2010
CH2M HILL Oakland Offices, 10:00am

BAPPG Committee Report to BACWA Board

Meeting Date: October 28, 2010
Prepared By: Sharon Newton, City of San Jose
BAPPG Committee Chair

Project Updates

Project	Update	Completion Date
BAPPG Newsletter	<p>BAPPG completed its annual newsletter which summarizes projects completed in fiscal year 2009/2010.</p> <p>[Project Leads: Jen Jackson, East Bay Municipal Utility District and Melody LaBella at Central Contra Costa Sanitary District (CCCSD)]</p>	September, 2010
San Francisco Pharmaceuticals Disposal Ordinance	<p>On October 18, the San Francisco Board of Supervisors held its first hearing in the Public Safety Committee for a product stewardship ordinance on pharmaceuticals disposal. The ordinance would require manufacturers whose products are sold in San Francisco to provide a disposal program. The ordinance passed out of committee on a two to one vote, and is currently scheduled to be heard by the full board on October 26. The pharmaceutical industry and the Chamber of Commerce opposed the ordinance, while NGOs working on water quality and suicide prevention came out in support of the ordinance. Jennifer Jackson, BAPPG, attended the meeting to support the ordinance. A draft letter from BACWA supporting this ordinance is attached.</p> <p>[Project Lead: Jen Jackson, East Bay Municipal Utility District]</p>	October 2010
BACWA Dental Metrics Project (to satisfy the dental P2 metrics in the Mercury TMDL and Watershed Permit)	<p>BACWA Consultant Stephanie Hughes, PE, has reached a point in her analysis where she has proposed methodologies (reviewed by BACWA members Brad Eggleston (City of Palo Alto) and Tim Potter (CCCSD)) to estimate both the number of practicing dentists under a dental amalgam program in the Bay Area (needs to be at least 85% by March 1, 2013) and to estimate the amount of mercury being diverted from POTWs as a result of these programs. Stephanie has issued an executive summary (attached) of the current status of the project and she is scheduled to meet with Regional Board staff on November 8, 2010 to seek their approval of her proposed methodologies (to ensure that they will achieve compliance for BACWA member agencies).</p> <p>BAPPG is also considering a press release on the reductions in mercury emissions achieved through the successful implementation of the region's dental outreach and amalgam separator programs.</p> <p>[Project Lead: Melody LaBella at Central Contra Costa Sanitary District (CCCSD)]</p>	November 2010

BAPPG Committee Report to BACWA Board

Project	Update	Completion Date
Regional Holiday FOG Outreach	<p>The Regional Holiday FOG outreach campaign will launch in November. Turkey fryer stickers and posters with information on proper FOG disposal will be delivered to Bay Area Home Depot and OSH stores. O'Rourke, Inc. will provide media support for this project.</p> <p>[Project Lead: Cassie Prudhel, City of South San Francisco]</p>	November 2010
Holiday FOG Spanish Radio Advertisement	<p>BAPPG will conduct outreach on Bay Area Univision Spanish radio stations during between Thanksgiving and Christmas. The advertisements promote proper disposal of kitchen fats, oils and grease.</p> <p>[Project Lead: Andrea Case, City of San Jose]</p>	December 2010
EcoMetro Guide Ads	<p>BAPPG placed two ads in the South Bay and East Bay Chinook Book (The New EcoMetro Guide). The ads, created using existing artwork from the No Drugs Down the Drain campaign, direct residents to BayWise.org for disposal information. EcoMetro Guides are coupon books for "green" services and products that remain in circulation for one year. The 2011 Chinook Books have been published and are currently being distributed. The No Drugs Down the Drain ad is located in the resource section of the books. See attached example.</p> <p>[Project Lead: Karin North, City of Palo Alto]</p>	Fall 2010
Pharmaceuticals	<p>BAPPG will begin working with the Teleosis Institute to develop two sets of brochures for hospice care workers to distribute to patients and their families - one set upon entering hospice and another for end of life.</p> <p>[Project Lead: Karin North, City of Palo Alto]</p>	Fall 2010

Next BAPPG Meeting

December 1, 2010, 10am – 12pm, 1515 Clay Street, Oakland, CA, Second Floor, Room 10

Attachments

Dental Metrics Project Executive Summary



Bay Area Clean Water Agencies

A Joint Powers Public Agency

Leading the Way to Protect our Bay

October 28, 2010

San Francisco Board of Supervisors
250 City Hall, 1 Dr. Carlton B. Goodlett Place
San Francisco, CA 94102-4689

*Sent via electronic mail to board.of.supervisors@sfgov.org, gavin.newsom@sfgov.org,
gail.johnson@sfgov.org*

RE: San Francisco Safe Drug Disposal Ordinance (File #100455)

Dear Board of Supervisors:

I am writing on behalf of the Bay Area Clean Water Agencies (BACWA) to ask you to support the San Francisco Safe Drug Disposal ordinance. BACWA is a joint powers agency whose members own and operate publicly-owned treatment works (POTWs) and sanitary sewer systems that collectively provide sanitary services to over 6.5 million people in the nine-county San Francisco Bay Area. BACWA members are public agencies governed by elected officials and managed by professionals who protect the environment and public health.

The use of pharmaceutical drugs in the United States has exploded in recent years—from 2000 to 2008 pharmaceutical sales in the U.S. more than doubled—and this growth will continue as our population ages. While the amount of pharmaceuticals in our homes has increased, there is still no proper method to dispose of unused and expired drugs. The often-used disposal method of flushing unused pharmaceuticals down the drain or throwing them in the trash have unintended consequences. Drugs disposed of in the landfill can leach into the ground water system, and wastewater treatment plants are not designed to completely remove the diverse array of compounds now flushed down toilets and sinks.

Manufacturer Funded Drug Disposal Programs Are a Proven Model

The San Francisco Safe Drug Disposal ordinance is modeled on the successful British Columbia initiative that has operated a manufacturer-funded drug disposal program since 1996. Ontario has established a similar program and Manitoba is in the process of doing the same. A number of other countries also have successful manufacturer-funded drug disposal programs including Spain, France, Portugal, and Australia.

The British Columbia program proves that drug disposal programs can be run smoothly and efficiently. A single non-profit administers the program. At a cost of \$315,000 Canadian dollars, which is divided among the pharmaceutical manufacturers, they operate a program for a province with a population of 4.4 million in which ninety-five percent of the pharmacies in British Columbia participate.

Extended Producer Responsibility

This ordinance is part of the growing Extended Producer Responsibility concept that manufacturers are responsible for their products from the cradle to the grave. EPR relieves government of the burden of disposing of dangerous products by requiring manufacturers to cover these disposal costs. In the past two years, California passed manufacturer-funded EPR programs for carpet, paint, and mercury thermostats.

**Central Contra Costa Sanitary District • East Bay Dischargers Authority • City of San Jose
East Bay Municipal Utility District • City & County of San Francisco**

Bay Area Clean Water Agencies • PO Box 24055, MS702 • Oakland, CA 94623

As representatives of the local government agencies tasked with providing environmentally sound, cost effective wastewater treatment we ask that you support the San Francisco Safe Drug Disposal ordinance.

Amy Chastain
Executive Director
Bay Area Clean Water Agencies

Mercury Watershed Permit Dental Metrics – Executive Summary

For:	Melody LaBella, Project Manager BACWA Dental Tech Support Project
Prepared by:	Thomas Barron, PE & Stephanie Hughes, PE
Reviewed by:	Brad Eggleston; Tim Potter
Date:	October 4, 2010

The San Francisco Bay Area has a regional mercury watershed permit for its 39 municipal wastewater dischargers. This shared permit identifies two metrics for evaluating the region-wide effort to reduce dental mercury discharges into sanitary sewer systems. Both metrics are presented below along with interim regional results that were based on compiling data from a December 2009 survey of municipal dischargers.

Metric 1. The target for this program is that 85% of dental offices that generate amalgam waste participate with their local mercury source control program by March 1, 2013.¹

Region-wide there are about 5,325 amalgam practitioners, of which 4,060 are participating in their wastewater agency's program. This is a 76% participation rate, as of December 2009. These amalgam practitioners have interacted with their local agency through returned surveys, office visits, self-certification forms, permit applications, or formal inspections.

Metric 2. The amount by which these source control programs reduce mercury discharges from dental offices is to be estimated (with a description of the estimation methodology).

Mercury discharges to wastewater agencies' influent from regional dental offices are estimated to have decreased from a baseline of 132 Kg/yr before the start of regional dental waste programs down to a level of 68 Kg/yr at the end of 2009. A technical brief is available that describes the estimation methodology.²

¹ When initiating this analysis, the project team proposed working definitions of the term "dental office" and "participation." Regional Board staff concurred with these definitions: "Dental office" means an individual dentist whose practice includes amalgam restorations. To count as "Participation" an activity must: (1) include some two-way interaction between the dental office and the agency, and (2) be measurable.

² For a complete analysis, see "Mercury Watershed Permit Dental Metrics: Final Report" dated October 1, 2010.

Collection Systems Committee

Report to BACWA Board

October 21, 2010

From: Rich Cunningham, Committee Chair

Reviewed by: Andy Morrison, Committee Vice-Chair

Prepared By: Monica Oakley

Committee Request for Board Action:

None.

Highlights of New Items Discussed and Action Items

This report is a little longer than usual since it covers multiple months. (Normally it's one page.)

Proposed Revisions to State Water Board's Sanitary Sewer System WDR

The State Water Board held an informational hearing on September 21 to hear and discuss staff recommendations for changes to the Sanitary Sewer System Waste Discharge Requirements (WDR). The recommended staff changes are summarized as follows:

- Staff recommended mandatory reporting of **private lateral** sewage discharges (PLSDs), indicating that the electronic reporting module for these overflows will indicate that they are not from enrollee-owned sewer pipes.
- Staff recommended not having mandatory **operator certification**.
- Staff recommended that, due to conflicts in **reporting requirements for various agencies receiving reports** among California laws and the Sanitary Sewer System WDR, the WDR be revised such that only the California Emergency Management Agency (Cal EMA, previously the Office of Emergency Services - OES) be notified when sanitary sewer overflows (SSOs) above a certain volume (the threshold amount is still to be determined).
- Staff recommended reducing the amount of details reported for **Category 2 overflows** (the smaller ones with low impact).
- Staff recommended including private collection systems such as shopping malls and homeowner associations, typically satellite systems, in the Sanitary Sewer System WDR.
- Staff recommended not changing the **prohibitions and emphasis on enforcement discretion**.
- Staff recommended leaving the permit as a WDR and not making it an NPDES permit.

Verbal comments were made at the hearing by the California Association of Sanitation Agencies (CASA), the Central Valley Clean Water Agencies (CVCWA), the Sacramento Regional Wastewater Treatment Plant (Sac Regional), and the California Coastkeeper Alliance.

The staff proposed a draft revised Sanitary Sewer System WDR be issued in December 2010 with adoption in February 2011, however Tam Doduc, a State Water Board member (and previous chair), requested that staff look at the following two issues: a "hybrid" WDR/NPDES permit and a mandatory certification program.

New SSO Reporting Procedures and Requirements

BACWA Collection Systems Committee leaders and the BACWA Executive Director have been discussing potential new requirements for regional SSO annual reports with Regional Water Board staff. BACWA provided comments on a draft letter prepared by Regional Water Board staff, and met with them on September 9. Agreement was reached on most issues, and discussion is continuing on the extent of reporting for activities to prevent future SSOs. Regional Water Board staff has also requested BACWA assist with updating the database of Bay Area collection systems, sending the letters out, and providing an opportunity for training on the new requirements.

Regional Water Board Staff Visit to USD to See “Model” Agency

Regional Water Board staff visited the Union Sanitary District (USD) on September 22 to conduct an audit, and specifically to gain an understanding of a “well operating” collection system. Andy Morrison of USD and Lenny Rather of Oro Loma Sanitary District represented BACWA. Regional Water Board staff asked lots of questions about the collection system leaders’ opinions about what other agencies should be doing, especially in comparison to the USD operation. Agency representatives provided a consistent message that each agency needs to be evaluated on its own merits and conditions.

Regional Water Board NOV to Bay Area Collection System Agencies

The Regional Water Board sent a Notice of Violation to 38 agencies on July 1, 2010 indicating that they had not submitted an SSO Annual Report for 2009, and providing 30 days to submit the report. The number of agencies receiving the NOV letters is approximately 30 percent of the collection systems enrolled in the Sanitary Sewer System WDR program in Region 2.

State Water Board is Finalizing Public SSO Reports for Website

State Water Board staff are preparing detailed SSO reports for the website. Agency representatives participated in determining the content (through the CIWQS SSO User Group). A mock-up of the reports have been sent to all Legally Responsible Officials (LROs) and Data Submitters. These new reports are expected to be implemented independently of the WDR revision.

Status of Marking Sewer Laterals

No activity has occurred recently, or is expected in the near future, by the Common Ground Alliance regarding proposed mandatory marking of private sewer laterals by public agencies. Andy Morrison of Union Sanitary District is continuing to follow these developments.

Audit and Third Party Activity Information Share

Through the round robin process, agency representatives have been sharing any enforcement and third party actions that have happened or are happening to their agency.

Committee Meetings for 2011

The committee meetings for 2011 have been set and are included as an attachment to this report.

Next BACWA Collection Systems Committee Meeting: This meeting is scheduled for Thursday, November 4 at 1:30 PM, at the Boy Scouts Facility in San Leandro.

Bay Area Clean Water Agencies
Collection Systems Committee

Schedule of Meetings for 2011

All meetings 1:30 PM – 3:00 PM
(except as noted)

Thursday, January 27, 2011 (after BACWA Annual Meeting)

February – no meeting

Thursday, March 3, 2011

Thursday, April 7, 2011*

Thursday, May 5, 2011

Thursday, June 2, 2011

Thursday, July 14, 2011*

August – no meeting

Thursday, September 8, 2011*

Thursday, October 6, 2011

Thursday, November 3, 2011

Thursday, December 8, 2011*

*Tri-TAC meets at the Boy Scouts Facility in the morning on this day.

Lab Committee: Lab Committee meeting: 13 October 2010
 Executive Board meeting: 28 October 2010

Report prepared by: Guy Moy

Standard Methods Presentation:

Andrew Eaton, Ph.D. Technical Director of Standard Methods provided a teleconference/powerpoint presentation, Standard Methods: Current and Future Directions. The presentation and discussion clarified many issues surrounding the 22nd Ed. of Standard Methods, the Online version, and the proposed Method Update Rule related to the use of only the latest approved method.

EPA/ELAP Audits:

Union Sanitary District/EBDA was recently audited by EPA (PG Environmental). Emphasis was on Operations and ended with the laboratory. No deficiencies were identified. ELAP will be auditing USD next week by Rishi and Mandy. Dublin San Ramon was recently audited by ELAP and is responding to a few issues identified.

Technical/Regulatory Discussions:

- Update on BACWA Pardee Workshop
 - Discussion on EPA 1668C concerns and comment letter
 - Frontier Analytical Report discussion and interpretation
-

Miscellaneous:

- CWEA Lab Committee will be hosting a training session on October 20th with Frontier Analytical and Quality Assurance Solutions on Dioxin/Furan sampling, testing, review, and reporting.
 - CWEA Specialty Workshop will be held Nov.16th on QA/QC for wastewater laboratories
-

Next Lab Committee Meeting: November 10th 2010

Permits Committee – Report to BACWA Board

Reporting Date: 10/12/10
Executive Board Meeting Date: 10/28/2010

Prepared By: Jim Ervin

Committee Request for Board Action: None.

Upcoming Permits –

Nov - Mount View Sanitary District WWTP
Jan – City of Petaluma
Feb – Napa Sanitation District

Pretreatment Reporting Requirements – NPDES Permit Attachment H:

Tim Potter's Attachment H working group met with Regional Water Board staff on 12 October to discuss the draft document. Water Board staff was receptive to most of the proposed changes, supports the effort to revise Attachment H, and favors a three-tiered pretreatment sampling requirement: Semi-annual, Annual, or once per permit, based on size of the POTW. Water Board staff stated that they would like this project to achieve consensus before it is proposed for adoption to avoid an adoption hearing in which some members oppose the revision.

The BACWA workgroup will now finalize revisions and send the updated version to Region 2 Pretreatment Program contacts for review before the end of October. The updated revised Attachment H will then be sent to Water Board staff in November. Final adoption may occur as early as the March 2011 Water Board meeting.

Sacramento Regional Tentative Order: BACWA commented on the Tentative Order on 7 October. Three issues were addressed: 1) Use of Title 22 Total Coliform standards to protect receiving water recreational (REC) beneficial uses, 2) Denial of a mixing zone for Ammonia, and 3) Inclusion of Feasibility-Based Nitrate Limits. Sac Regional estimates that it could cost between \$700 million to \$2 billion to upgrade their plant to meet the proposed permit limits. BACWA will consider commenting again when the Sac Regional permit is presented to the State Board for approval.

Whole Effluent Toxicity (WET) Assessment and Control Policy: In anticipation of another opportunity for public comment on this State Water Board initiative, Permits Committee is compiling a list of member agency toxicity testing requirements, costs, and history of recent TIE or TRE work. BACWA may also consider submission of a joint comment letter with Regional Water Board when the time comes.

eSMR: Permits Committee discussed need for BACWA and Water Board collaboration for ERS to eSMR transition. Amy Chastain drafted a Scope of Work to have a contractor identify strategies and next steps and convene a workshop for BACWA and Water Board staff to discuss. Water Board needs to forward an implementation schedule to State Board by end of 2010, with, or without BACWA's help.

Copper Pollutant Impact Uncertainties: The SFEI Technical Review Committee approved funding for a study of copper impact on salmonids in the next year. The current copper management strategy requires that permittees must have a group study proposal submitted by 28 February 2011. Water Board extended requirement one year, from 2010, at BACWA's request.

Dental Office Mercury Proposed Rulemaking: EPA announced its intention to develop regulations for the dental industry that will be adopted some time in 2012. This may involve promulgation of Federal categorical standards to be implemented as BMPs. So far, there is no intention to impose numeric standards, however, this rulemaking will abrogate the existing MOU developed jointly by EPA, NACWA, and the American Dental Association.

Regulatory Updates from Amy:

- Mercury Watershed Permit – BACWA is working on a methodology to evaluate the impact of mercury BMPs on mercury pollutant concentrations, consistent with the Mercury Watershed Permit.
- Mercury Risk Reduction – The risk reduction program should be moving forward later this year. BACWA is contracting through the Aquatic Science Center. Still waiting for BASMAA to contribute funding.
- PCBs TMDL – This was originally scheduled for adoption at the December Water Board meeting. Adoption has been put off due to industrial discharger comments that need to be addressed.
- Selenium TMDL – There is a new requirement to gather data on Selenium speciation and loadings from all Bay Area POTWs and industry. Refineries are commenting on this. Amy is coordinating monitoring efforts with WSPA. The Selenium speciation test costs around \$500. Waste Load Allocations (WLAs) for POTWs are not appropriate for this pollutant since effluent concentrations are already significantly lower than water

quality objectives and effluent limits are no longer in permits due to improved analytical techniques. The majority of the Bay Selenium load comes from the Delta.

NPDES Permit Renewal Training Workshop: BACWA training on RPA / Dilution was held on September 24th.

Next BACWA Permits Committee Meeting

Tuesday, November 9, 2010, from 1:00 PM to 3:00 PM at EBMUD Wastewater Treatment Plant Library. .

Recycled Water Committee Board Report

Reporting Date: September, October 2010

Executive Board Meeting Date: October 28, 2010

Prepared By: Cheryl Munoz & Linda Hu

A. Request for Future Board Action: The Recycled Water Committee is considering preparing a request for proposals for a consultant to provide Committee meeting and project support, and may come to the Board with a proposal sometime this year. Funds were included in the Committee's FY 2011 budget that was approved by the Board in May 2010.

B. Committee Updates

1. Bay Area Integrated Regional Water Management Plan & Prop 84

The IRWMP Project Screening Committee met in late September and requested that the Recycled Water Committee develop a \$6 million list of recycled water projects for consideration as part of a larger \$15 million Bay Area proposal. The Recycled Water Committee Co-chairs contacted individual agencies and requested that they submit projects that are ready for implementation. On October 4, the Recycled Water Committee met, reviewed the list of projects by sub-regions, and prepared a short list of projects to recommend to the IRWMP Project Screening Committee. On October 14 the IRWMP Project Screening Committee agreed upon a final suite of projects from the various functional areas to present to the Coordinating Committee for possible inclusion in a regional Prop. 84 funding proposal. While the project suite may be further refined, it is currently comprised of fifteen projects and allocates \$6 million to Recycling, \$6 million to Conservation, \$2 million to Wetlands, and \$1.3 million to Flood Control.

2. Water Board Communications

The Committee Co-chairs were contacted by Water Board staffer, Vince Christiansen who was seeking information about Bay Area water recycling, including details about projects completed and planned, and barriers to increased recycling. From conversations with Vince and Blair Allen, it appears that the Water Board is interested in updating Order 96-011 (the general WDR that applies to Bay Area recycling programs) to include more monitoring.

The Water Board also appears interested in working together with BACWA to prepare a summary report of POTW's annual recycled water deliveries by use category.

Grant Disbursement Summary to Date (Oct 28, 2010)												
Bay Area Integrated Regional Water Management (IRWM) Prop 50 Grant												
Agr. No.	Implementing Agency	Project Title	DWR Proj. No.	Max. State Grant Funds by Project	Grant Funds Invoiced to date	Paid by DWR to date	DWR Retention	Admin ² Funds Rec'd by BACWA	Funds paid out to date	Payable as of this date	Total Paid and Payable	
1	Contra Costa Water District	Regional Intertie (VFDs)	1	500,000.00	500,000.00	181,397.33	(50,000.00)		176,731.44	0.00	176,731.44	
		BACWA Admin	16	15,625.00	6,621.24	5,959.11	(662.12)	15,625.00				
2	East Bay Municipal Utility District	Reg. Conservation Outreach	2	250,000.00	250,000.00	225,000.00	(25,000.00)		1,889,049.85	2,340.41	1,891,390.26	
		California WaterStar Initiative -	3	525,000.00	0.00	0.00	0.00					
		New Business Guidebook Pilot	4	75,000.00	0.00	0.00	0.00					
		Richmond Adv Recycling	8	2,127,600.00	1,831,681.03	1,648,512.93	(183,168.10)					
		BACWA Admin	16	46,875.00	19,863.71	17,877.33	(1,986.37)	46,875.00				
3	City of Redwood City	Redwood City Recycled WP	5	972,800.00	972,800.00	972,800.00	0.00		978,759.11	0.00	978,759.11	
		BACWA Admin	16	15,625.00	6,621.24	5,959.11	(662.12)	15,625.00				
4	City of Palo Alto	Mt. View-Moffett Recycl WP	6	972,800.00	972,800.00	972,800.00	0.00		965,858.13	2,275.98	968,134.11	
		BACWA Admin	16	15,625.00	6,621.24	5,959.11	(662.12)	15,625.00				
5	Santa Clara Valley Water District (& San Jose)	Reg. Conservation Outreach	2	125,000.00	125,000.00	112,500.00	(12,500.00)		80,625.00	4,377.33	85,002.33	
		South Bay Adv Recycl WTP	7	2,934,600.00	0.00	0.00	0.00					
		BACWA Admin ³	16	31,875.00	4,863.71	4,377.33	(486.37)	31,875.00				
SJ	City of San Jose	BACWA Admin for SCVWD ³	16	15,000.00	15,000.00	13,500.00	(1,500.00)	15,000.00	0.00	13,500.00	13,500.00	
6	North Coast County WD (& SFPUC)	Pacifica Recycled Water Proj	9	744,400.00	0.00	0.00	0.00		0.00	1,459.11	1,459.11	
		BACWA Admin ³	16	10,625.00	1,621.24	1,459.11	(162.12)	10,625.00				
SF	S.F. Public Utilities Comm	Reg. Conservation Outreach	2	297,550.00	297,550.00	267,795.00	(29,755.00)		231,545.00	31,418.22	262,963.22	
		BACWA Adm for Reg.Consrv	16	31,250.00	13,242.47	11,918.22	(1,324.25)	31,250.00				
		BACWA Admin for NCCWD ³	16	5,000.00	5,000.00	4,500.00	(500.00)	5,000.00				
SOL	Solano Co. Water Agency	Reg. Conservation Outreach	2	50,000.00	50,000.00	45,000.00	(5,000.00)		45,000.00	0.00	45,000.00	
7	North Marin Water District	North Marin Recycled Water	10	244,550.00	244,550.00	244,550.00	(0.00)		241,750.47	0.00	241,750.47	
		BACWA Admin	16	9,375.00	3,972.74	3,575.47	(397.27)	9,375.00				
8	Zone 7 Water Agency	Reg. Conservation Outreach	2	60,000.00	60,000.00	54,000.00	(6,000.00)		720,000.00	5,959.11	725,959.11	
		Mocho GW Demin Project	11	740,000.00	740,000.00	666,000.00	(74,000.00)					
		BACWA Admin	16	15,625.00	6,621.24	5,959.11	(662.12)	15,625.00				
9	Marin Municipal Water District	Reg. Conservation Outreach	2	200,000.00	200,000.00	180,000.00	(20,000.00)		374,451.90	468.08	374,919.98	
		Direct Installation HET Prog	12	366,800.00	219,688.35	197,719.52	(21,968.84)					
		BACWA Admin	16	9,375.00	3,972.74	3,575.47	(397.27)	9,375.00				
10	Montara Water & Sanitary District	Groundwater Exploration Project	13	37,100.00	37,100.00	33,390.00	(3,710.00)		33,390.00	1,191.82	34,581.82	
		BACWA Admin	16	3,125.00	1,324.25	1,191.82	(132.42)	3,125.00				
11	Alameda County Water District	Reg. Conservation Outreach	2	60,000.00	60,000.00	54,000.00	(6,000.00)		589,334.11	0.00	589,334.11	
		Alameda Creek Phase 2 Fish	14	600,000.00	600,000.00	540,000.00	(60,000.00)					
		BACWA Admin	16	15,625.00	6,621.24	5,959.11	(662.12)	15,625.00				
12	Sonoma Valley County Sanit. Dist.	Sonoma-Napa Marsh RWP	15	366,800.00	0.00	0.00	0.00		0.00	3,575.47	3,575.47	
		BACWA Admin	16	9,375.00	3,972.74	3,575.47	(397.27)	9,375.00				
Grand Total					12,500,000.00	7,267,109.14	6,490,810.56	(507,695.91)	250,000.00	6,326,495.01	66,565.55	6,393,060.56

Notes: 1. BACWA Administration Costs invoiced and paid to date:

105,939.76

92,070.65

3. Reimburse SFPUC and San Jose for Admin Costs until reimbursement = \$80k then pay SCVWD & NCCWD

2. Admin funding = \$152,250 in upfront funding plus grant check deductions.

10/20/2010

DIRECTOR'S REPORT TO THE BOARD

Prepared for the October 28, 2010 Executive Board Meeting
September 20, 2010 – October 22, 2010

A. Executive Board & Administrative Matters

Financial & Administrative Matters During this period the Executive Director (ED), Assistant Executive Director (AED), and EBMUD accounting department successfully implemented the new accounting procedures and automated reporting for both revenue and expenses. The Fiscal Year 2009-2010 audit was also completed and submitted to the Executive Board for approval.

B. Regulatory Affairs & Developments

Mercury Risk Reduction All permittees subject to risk reduction requirements are not participating. The Aquatic Science Center (ASC) is in the process of finalizing all necessary agreements and the project is underway. December 7, 2010 has tentatively been identified as the date of the first Stakeholder Advisory Committee meeting.

PCB TMDL Implementation Water Board staff met with USEPA to discuss implementation. The current proposal is to move forward with a permit that includes numeric concentration limits. Discussions are still underway regarding the limits; the Water Board hopes to notice a draft permit in late November for adoption in February or March.

Sanitary Sewer Overflows BACWA provided Water Board staff with a revised version of the changes to regional SSO reporting requirements consistent with what was discussed at our last meeting. These changes are likely to be finalized in the coming months after which BACWA will assist the Water Board in contacting agencies and conducting outreach/training on the new requirements.

Stormwater Diversion The final BACWA White Paper was shared with the San Francisco Estuary Institute. BASMAA completed and submitted a draft of their feasibility study. This issue will be placed on a future BACWA Board Meeting agenda for a discussion of next steps.

CIQWS The ED is working with the Permits and Lab committees to identify next steps for assisting members with the transition from ERS to e-SMR.

Nutrients BACWA submitted comments on the draft Sacramento County Regional Sanitation District permit. The first meeting regarding the development of numeric nutrient endpoints for San Francisco Bay was held on October 5. Once all Stakeholder Advisory Group representatives have been identified, the ED will communicate them to the effort's facilitator.

Selenium The Water Board provided BACWA details on the information that it would like about selenium in wastewater effluent:

1. At least one year of flow and concentration data for POTWs, with concentration data being generated using new analytical methods.
2. Selenium speciation in POTW effluent, with analytical methods/results comparable to those used by the petroleum refineries in their effluent characterization study.
3. Proportion of particulate selenium in POTW effluent.

Pretreatment Reporting The ED participated in a meeting, led by Tim Potter, with Water Board staff about changes in pretreatment reporting. There is substantial agreement on most key issues and we tentatively expect a tentative order revising all permits to be noticed in March 2011.

C. Committee Affairs & Regional Collaboration

Committees A Committee Chair meeting was held on Thursday October 21st. Topics discussed included the website, newsletter, committee meeting policies, and the annual meeting.

Workshops & Trainings The RPA training/workshop on September 24 was very well-attended. Presentations from this meeting have been uploaded to the BACWA website.

IRWMP The ED prepared a draft administration budget for Proposition 84 and will attend the Coordinating Committee's October 25 meeting at which time the issue of what agency will serve as the project applicant will be discussed. See the Recycled Water Committee Report for more details about the project selection process.

Other The ED met with Gary Darling and Caroline Quinn to discuss the Bay Area Biosolids to Energy project and the Bay Area Recycled Water Coalition, and with Clifford Waldeck, former Water Board member.

The transition of management of the sewer rate database from Redwood City to BACWA is expected to be completed later this month.

The ED attended the Regional Monitoring Program's annual meeting.

The ED will be making a presentation to the San Francisco Estuary Partnership (SFEP) Implementation Committee on BACWA. SFEP, housed in ABAG, is a coalition of resource agencies, non-profits, citizens, and scientists working to protect, restore, and enhance water quality and fish and wildlife habitat in and around the San Francisco Bay Delta Estuary. They are the lead agency, with BCDC, on EPA's Climate Ready Estuary Pilot Project.

D. Membership

Member Communications Website updates are continuing. Next steps include updating website content and reorganizing webpages.

BACWA has an html template for the e-newsletter with refreshed branding. We will be distributing the newsletter in its new format this month and are using a service called i-contact that allows us to build and manage a contacts database.

The ED will be meeting with North Bay POTW representatives on October 27.

E. Upcoming Meetings

- November 3, Permits Committee Meeting
- November 3, RMP Steering Committee Meeting
- November 3, SFEP Implementation Committee Meeting
- November 4, Collection Systems Committee Meeting
- November 10, Laboratory Committee Meeting
- November 17, Biosolids Committee Meeting
- November 17, Operations Infoshare
- November 18, Tri-Tac Meeting (Sacramento)
- November 18, BACWA Executive Board Meeting



BACWA EXECUTIVE BOARD CHAIR AUTHORIZATION REQUEST

FILE NO.: 12,280

DATE: October 19, 2010

TITLE: TDC Environmental Kelly Moran for BAPPG Pesticide Regulatory Support

RECOMMENDED ACTION

Chair authorization for an agreement with TDC Environmental in an amount not to exceed \$6,000 for Pesticide Regulatory Support for the Bay Area Pollution Prevention Group to be completed by June 30, 2011.

SUMMARY

This project will assist BAPPG and BACWA with navigating several pesticide registration and re-evaluation processes happening at the state and federal levels. Kelly Moran, of TDC Environmental, brings specific pesticide and regulatory expertise to this project.

This work will be carried out under the supervision of BAPPG's Emerging Contaminants Committee, including Karin North (City of Palo Alto), Jen Jackson (EBMUD) and Melody LaBella (CCCSD).

This work benefits not only BACWA member agencies, but their counterparts across the state by ensuring that state regulatory actions related to pesticides consider impacts to publicly-owned treatment works. Representatives from BAPPG and BACWA will work with TDC Environmental in the coming year to develop a scope of work and funding stream for the Fiscal Year 2011 – 2012 that is similarly statewide in nature.

FISCAL IMPACT

This item is included in, and consistent with, the approved Fiscal Year 2010-2011 BAPPG budget and workplan and sufficient funds are available for this work.

ALTERNATIVES

No other alternatives were considered as the BACWA contracting policies authorize a sole source selection process for contracts under \$50,000.

Attachments:

1. Scope of Work

Approved By: /s/ Ben Horenstein, Acting Chair _____	Date: October 20, 2010 _____
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BAPPG Scope of Work
Pyrethroids Reevaluation and Other State & Federal Pesticide Regulatory Activities

Provide scientific & regulatory support to BAPPG and wastewater representatives participating in the pyrethroid reevaluation and other state and Federal pesticide regulatory activities. Wastewater representation in pesticide regulatory processes is being organized through Tri-TAC's pesticides team: Tri-TAC Water Committee co-chair Gail Chesler (Central Contra Costa Sanitary District), Preeti Ghuman (Sanitation Districts of Los Angeles County), Linda Dorn (Sacramento Regional County Sanitation District), and Greg Kester (CASA).

- Prepare an updated BAPPG/Tri-TAC pesticide regulatory participation action plan to facilitate planning and prioritization of for pesticide regulatory participation (see the January 2010 Tri-TAC Pesticides Regulatory Action Plan). Update the action plan at least once during the project period.
- Track, flag, and notify the BAPPG emerging contaminants team (EBMUD – Jen Jackson, Palo Alto – Karin North and CCCSD – Melody LaBella), the Tri-TAC pesticide team, and other individual or groups designated by BAPPG about important pesticide-related wastewater opportunities for action (comment periods, etc.).
- At the direction of the BAPPG emerging contaminants team and to the extent possible within the budget, develop talking points for BAPPG/wastewater representatives on specific pyrethroid reevaluation and other pesticide regulatory topics to use for participation in public meetings/comment periods, and provide technical support in meetings and assist with assembly of scientific information and regulatory information to support BAPPG/Tri-TAC effective participation in priority pesticide regulatory processes.

Budget: \$6,000 / September 2010-June 2011

Project staff: Work to be performed by Kelly Moran, Ph.D., billed on an hourly basis (\$160/hour) for time actually spent.

Contracting entity

TDC Environmental, LLC
4020 Bayview Ave.
San Mateo CA 94403
FEIN 94-3371548

650-627-8690
kmoran@tdcenvironmental.com

MINUTES

Executive Board Meeting

Thursday, September 23, 2010
9:00 a.m. – 12:00 p.m.

EBMUD Plant Lab Library
2020 Wake Ave., Oakland, CA

ROLL CALL AND INTRODUCTIONS

Executive Board Representatives: Ben Horenstein, Acting Chair (East Bay Municipal Utility District); Jim Kelly (Central Contra Costa Sanitary District); Mike Connor (East Bay Dischargers Association); Rod Miller (San Francisco Public Utilities Commission); Kirsten Struve (City of San Jose).

Other Attendees: Margaret Orr (Central Contra Costa Sanitary District); Gail Chesler (Central Contra Costa Sanitary District); Karl Royer (East Bay Dischargers Association); Dave Williams (East Bay Municipal Utility District); Jen Jackson (East Bay Municipal Utility District); Jim Ervin (City of San Jose); Amanda Roa (Delta Diablo Sanitation District); Tom Hall (Eisenberg Olivieri Associates, Inc.); Monica Oakley (Oakley Water Strategies); Tom Grovhoug (Larry Walker Associates); Denise Connors (Larry Walker Associates); Jackie Kepke (CH2M Hill); Amy Chastain (BACWA); Alexandra Gunnell (BACWA); Tom Boer (Barg Coffin), Kathryn Oehlschlager (Barg Coffin)

PUBLIC COMMENT

There were no public comments.

REPORTS

Committee reports, agenda item 1, were included in the meeting handout packet and Committee Chairs were given the opportunity to provide further clarification, as requested by meeting attendees.

- The BAPPG committee report was included in the handout packet and Jen Jackson provided an update on the following items:
 - H.R. 5809, the Safe Drug Disposal Act 2010 passed in U.S. House of Representatives to amend the Controlled Substances Act and allow for some instances of pharmaceutical take-back.
 - Concern has been raised about a WERF sponsored study on classifying products as dispersible and disposable. It was noted that BACWA may want to comment on the scientific validity of this research.
 - In a recent pretreatment update provided by EPA Assistant Administrator for Water Programs, Pete Silva, it was noted that Tetra Tech audits will look be looking at and encouraging the establishment of agencies' pharmaceutical collection programs. It was also mentioned that national dental pretreatment requirements may be forthcoming.
- Lab Committee representative, Nirmela Arsem briefed the Board on the National Environmental Monitoring Conference (NEMC) that she attended in August. Conference topics included technological challenges associated with beach monitoring requirements, cost accounting for environmental labs, and alternate test procedures.

EPA representatives were among the featured speakers and presentations are available on the NEMC website. It was noted that the National Environmental Laboratory Accreditation Conference (NELAC) Institute is promoting certification of utility labs and the sample collection process, both of which can be costly and labor intensive to obtain and maintain.

- The Permit committee report was included in the packet and reviewed by Committee Chair, Jim Ervin. To date, sixty-two people had registered for the RPA/Dilution workshop to be held on September 24, and it is likely that the attendance will reach full capacity for the facility. It was noted that in the future if a larger venue is needed Gail Chesler could assist with reservations at Central Contra Costa Sanitation District (CCCSD).

For **agenda item 2**, the **Proposition 50 Grant Disbursements Status Report** prepared by Brian Campbell (EBMUD) was included in the packet.

Under **agenda item 3**, The Executive Director (ED) referred to the **Executive Director Report** included in the meeting handout packet and fielded questions from meeting attendees.

Executive Board members were invited to share any items of interest under **agenda item 4**, **Executive Board Reports**.

- A summary of Central Contra Costa Sanitation District's educational program was distributed by Jim Kelly and reviewed. This topic will be added to a future board meeting agenda for discussion. Jim Kelly will send an electronic version of the summary to the ED.
- Dave Williams and Kirsten Struve attended a preliminary meeting for Aquatic Science Center (ASC) strategic plan development. This meeting was held to frame the process and prepare for the full day session that is planned for the spring of 2011. Opportunities for merging ASC and San Francisco Estuary Institute (SFEI) efforts were also discussed.
- As a follow up to discussions at the Pardee Technical Seminar held earlier this month, Ben Horenstein informed the Board that Maura Bonnarens (EBMUD) has agreed to assist with the development of an emergency response workshop or workgroup. The ED will contact her to initiate the planning process.
- The BACWA Executive Board (Board) was informed of Union Sanitary District's recent Regional Water Quality Control Board inspection, and concern was raised that agencies not attending the Collection Systems committee meetings may not be receiving valuable information to prepare them for upcoming inspections. This issue will be added to the October Board meeting agenda for further discussion with the Collections Systems Committee Chair.
- It was noted that Kirsten Struve will serve as a representative to the Regional Monitoring Program (RMP) Steering Committee, and they are still seeking a representative from a smaller agency.

The following **Chair and Executive Director Authorized Actions**, were listed under agenda **item 5**.

- a) Contract with Adammer for As Needed BACWA Website Technical Support, \$1,250; File 12,240.
- b) Purchase Order for Big Apple Catering to provide General BACWA Meeting Services;

\$1,000; File 12,241.

- c) Contract with CH2M Hill for Energy Issues Support, \$9,997; File 12,235.
- d) Contract with Patricia McGovern Engineers for SHELL Issue Paper, \$5,000; File 12,237.
- e) Authorization to utilize Oakley Water Strategies As Needed Contract for NPDES Permit Workshop support; \$6,950; File 12,162.
- f) Membership contribution to the Federal Water Quality Coalition (FWQC), \$5,000; File 12,259.

For **agenda item 5.f**, the Chair approval form was included in packet and reviewed. *A motion to endorse actions taken by the Chair and ED was made by Jim Kelly, and seconded by Rod Miller. The motion carried unanimously.*

For **agenda item 6**, the **July 2010 and August 2010 Treasurer's Reports** were included in the packet for information purposes only. It is expected that the Treasurer's Report for July – September 2010 will be generated in a new automated format for adoption at the October Board meeting. The Finance Committee requested that a meeting should be scheduled to review the new report.

CONSENT CALENDAR

*Consent calendar **agenda items 7 and 8** were approved in a motion made by Jim Kelly and seconded by Ben Horenstein. The motion carried unanimously.*

- 7. Approval of Minutes from July 29, 2010 BACWA Executive Board Meeting.
- 8. Resolution authorizing BACWA to apply to the California Department of Water Resources for Proposition 84 funding on behalf of Bay Area Integrated Water Management Plan participants; File 12,262.

Agenda item 9, a resolution adopting a vision statement for the use of wastewater as a resource for the San Francisco Bay Area, was removed from consent and may be brought back to the Board for approval after further review and revisions have been made.

BOARD DISCUSSION ITEMS

Under **agenda item 10, nutrients and ammonium** issues were discussed. As indicated in the Executive Director's Report to the Board, the ED and Mike Connor will be attending the meeting of the San Francisco Bay numeric nutrient endpoint (NNE) stakeholder advisory group, scheduled for October 4, 2010. Gail Chesler of CCCSD and Tom Hall of EOA will also be attending. Gail Chesler and Tom Grovhoug briefed the board on their attendance of the National Association of Clean Water Agencies (NACWA) Nutrient Summit held earlier this month, and recommended that BACWA continue to work with NACWA to address concerns regarding the development of nutrient discharge regulations for San Francisco Bay Area POTWs. The comment letter from Regional Water Quality Control Board Region 2 (RWQCB) to Region 5, included in the board packet, was also discussed. The ED will work with Jim Kelly, Ben Horenstein and Mike Connor to develop a comment letter from BACWA on the Tentative Order issued by the Central Valley Regional Water Quality Control Board to Sacramento Regional County Sanitation District. Monica Oakley and Tom Hall may

also be assisting. The ED will consider including on the October Board agenda, approval for BACWA to fund assistance provided by Limo Tech for this effort. It was also suggested that BACWA may want to work with SFEI to develop a biological model.

For **agenda item 11**, Jackie Kepke and the ED continue to work together to plan the **Energy Workshop** that will likely take place in early 2011. Information about the Strass Plant in Austria will be presented and suggested venues, that could accommodate at least 200 attendees, included the California Public Utilities Commission (CPUC), RWQCB, and the Woods Institute. The ED will provide updates to Margaret Orr Kirsten Struve and Ben Horenstein as the planning process continues.

The Board met in Closed Session with legal counsel to discuss potential litigation pursuant to Government Code Section 54956.9(b).

The Board reported out from closed session that no direct action related to litigation is to be taken at this time.

The next regular meeting is scheduled for **October 28, 2010**, 9:00 to 12:00 at the EBMUD Plant Lab Library in Oakland.

The meeting adjourned at 12:00 p.m.



Bay Area Clean Water Agencies

A Joint Powers Public Agency

Leading the Way to Protect our Bay

October 25, 2010

MEMO TO: Bay Area Clean Water Agencies Executive Board
MEMO FROM: Gary Breau, Director of Finance, East Bay Municipal Utilities District
SUBJECT: First Quarter Treasurer's Report

As required by section eight of the Joint Powers Agreement establishing the Bay Area Clean Water Agencies (BACWA) and California Government Code Sections 6500 et seq., attached is the BACWA Treasurer's Report for the period covering **July 1, 2010 through September 30, 2010** (first quarter of the Fiscal Year 2010-2011). This report covers expenditures, cash receipts, and cash transfers for the following BACWA funds:

- BACWA (BACWA),
- BACWA Training Reserve (BCTWRNG),
- BACWA Legal Reserve (BCLWGLR),
- BACWA Operating Reserve (BCWOPR),
- Proposition 50 (Prop50),
- Air Issues and Regulation Group (AIR),
- Bay Area Pollution Prevention Committee (BAPPG),
- Clean Bay Collaborative (CBC/WQAS),
- CBC/WQAS Emergency Reserve (WQEMGR),
- CBC/WQAS Operating Reserve (CBCOPR),
- CBC/WQAS Technical Action Fund (WQTACT),
- Regional Water Recycling Program (RWR)
- Bay Area Pollution Prevention Committee (BAPPG),
- Water Operator Training (WOT), and
- Reserve (RESERVE).

Program Fund Balance
As Of September 30, 2010

	BACWA	BCTWRNG	BCLWGLR	BCWOPR	Prop50	AIR	BAPPG	WQEMGR	WQTACT	CBCOPR	WQA	RWR	WOT	RESERVE	Total
BEGINNING FUND BALANCE 7/1/10	334,476.06	250,000.00	300,000.00	153,500.00	18,147.96	2,592.18	49,131.29	400,000.00	250,000.00	162,000.00	64,897.39	16,516.27	55,287.83	120,000.00	2,176,548.98
<i>Total Receipts</i>	517,500.00	-	-	-	505,508.30	78,828.00	28,855.00	-	-	-	389,500.00	-	71,000.00	-	1,591,191.30
<i>Total Disbursements</i>	71,459.48	-	-	-	302,234.40	5,964.83	12,418.20				36,492.16		-		428,569.07
ENDING FUND BALANCE 9/30/10	780,516.58	250,000.00	300,000.00	153,500.00	221,421.86	75,455.35	65,568.09	400,000.00	250,000.00	162,000.00	417,905.23	16,516.27	126,287.83	120,000.00	3,339,171.21
<i>Outstanding Encumbrances</i>	437,350.94	-	-	-	79,160.92	80,790.00	10,002.00	-	-	-	47,701.08	-	-	-	655,004.94
UNOBLIGATED FUND BALANCE 9/30/10	343,165.64	250,000.00	300,000.00	153,500.00	142,260.94	(5,334.65)	55,566.09	400,000.00	250,000.00	162,000.00	370,204.15	16,516.27	126,287.83	120,000.00	2,684,166.27

BACWA: Bay Area Clean Water Agencies
 BCTWRNG: BACWA Training Fund
 BCLWGLR: BACWA Legal Reserve
 BCWOPR: BACWA Operating Reserve
 Prop50: Proposition 50 Grant
 AIR: Air Issue and Regulation Group
 BAPPG: Bay Area Pollution Prevention Group
 WQEMGR: WQAS Emergency Reserve
 WQTACT: WQAS Technical Action Fund
 CBCOPR: CBC Operating Reserve
 WQA: Clean Bay Collaborative/Water Quality Attainment Strategies
 RWR: Regional Water Recycling
 WOT: Water/Wastewater Operator Training
 RESERVE: Reserve

BACWA Revenue Report for July-Sept 2010

DEPT_DESCR	PROG_DESCR	AMENDED	CP_DIRECT	CP_INVCED	YTD_DIRECT	YTD_INVCED	YTD_ACTUAL	UNRECON_BUD
Bay Area Clean Water Agencies	BDO Member Contributions	450000	0	360000	0	360000	360000	90000
Bay Area Clean Water Agencies	BDO Other Receipts	73158	0	0	0	0	0	0
Bay Area Clean Water Agencies	BDO Interest Income	15000	0	0	0	0	0	15000
Bay Area Clean Water Agencies	BDO Assoc.&Affiliate Contr	160500	0	157500	0	157500	157500	1500
Bay Area Clean Water Agencies	BDO Fund Transfers	37842						
BACWA TOTAL		736,500.00	0.00	517,500.00	0.00	517,500.00	517,500.00	106,500.00
AIR-Air Issues&Regulation Grp	BDO Member Contributions	84828	0	78828	0	78828	78828	4572
AIR-Air Issues&Regulation Grp	BDO Other Receipts							
AIR-Air Issues&Regulation Grp	BDO Interest Income							
AIR TOTAL		84,828.00	0.00	78,828.00	0.00	78,828.00	78,828.00	4,572.00
BAPPG-BayAreaPollutnPreventGrp	BDO Member Contributions	80005	0	28855	0	28855	28855	51650
BAPPG-BayAreaPollutnPreventGrp	BDO Other Receipts	50000	0	0	0	0	0	50000
BAPPG-BayAreaPollutnPreventGrp	BDO Interest Income	3079	0	0	0	0	0	3079
BAPPG TOTAL		133,084.00	0.00	28,855.00	0.00	28,855.00	28,855.00	104,729.00
WQA-WtrQualityAttainmntStratgy	BDO Member Contributions	450500	0	389500	0	389500	389500	60500
WQA-WtrQualityAttainmntStratgy	BDO Other Receipts							
WQA-WtrQualityAttainmntStratgy	BDO Interest Income	8000	0	0	0	0	0	8000
CBC/WQAS TOTAL		458,500.00	0.00	389,500.00	0.00	389,500.00	389,500.00	68,500.00
WOT - Wtr/Wwtr Operat Training	BDO Member Contributions	118360	0	71000	0	71000	71000	-71000
WOT - Wtr/Wwtr Operat Training	BDO Other Receipts							
WOT - Wtr/Wwtr Operat Training	BDO Interest Income	350						
WOT TOTAL		118,710.00	0.00	71,000.00	0.00	71,000.00	71,000.00	-71,000.00
Prop50BayAreaIntegRegnlWtrMgmt	BDO Member Contributions	0	505508.3	0	505508.3	0	505508.3	-505508.3
Prop50BayAreaIntegRegnlWtrMgmt	BDO Other Receipts							
Prop50BayAreaIntegRegnlWtrMgmt	BDO Interest Income	2000						
PROP 50 TOTAL		2,000.00	505,508.30	0.00	505,508.30	0.00	505,508.30	-505,508.30

BACWA Expense Report for July-Sept 2010

DEPT_DESCR	PROG_DESCR	AMENDED	CP_ENC	CP_PV	CP_DA	YTD_ENC	YTD_PV	YTD_DA	OBLIGATED	UNOBLIGATED
Bay Area Clean Water Agencies	BC-Collections System	25000	22225	2775	0	22225	2775	0	25000	0
Bay Area Clean Water Agencies	BC-Permit Committee	25000	23335	1665	0	23335	1665	0	25000	0
Bay Area Clean Water Agencies	BC-Water Recycling Committee	11000	0	0	0	0	0	0	0	11000
Bay Area Clean Water Agencies	BC-Biosolids Committee	10000	0	0	0	0	0	0	0	10000
Bay Area Clean Water Agencies	BC-InfoShare Groups	25000	25000	0	0	25000	0	0	25000	0
Bay Area Clean Water Agencies	BC-Laboratory Committee	7000	0	0	2982.25	0	0	2982.25	2982.25	4017.75
Bay Area Clean Water Agencies	BC-Miscellaneous Committee Sup	10000	0	0	2930.8	0	0	2930.8	2930.8	7069.2
BACWA Committees Subtotal		113,000.00	70,560.00	4,440.00	5,913.05	70,560.00	4,440.00	5,913.05	80,913.05	32,086.95
Bay Area Clean Water Agencies	TS-Media Relations Support	25000	25000	0	0	25000	0	0	25000	0
Bay Area Clean Water Agencies	TS-Consultant Support	100000	70000	0	0	70000	0	0	70000	30000
BACWA Technical Support Subtotal		125,000.00	95,000.00	0.00	0.00	95,000.00	0.00	0.00	95,000.00	30,000.00
Bay Area Clean Water Agencies	LS-Regulatory Support	20000	9901.9	98.1	0	9901.9	98.1	0	10000	10000
Bay Area Clean Water Agencies	LS-Executive Board Support	10000	5000	0	0	5000	0	0	5000	5000
BACWA Legal Support Subtotal		30,000.00	14,901.90	98.10	0.00	14,901.90	98.10	0.00	15,000.00	15,000.00
Bay Area Clean Water Agencies	CAS-CWAA	10000	0	0	10000	0	0	10000	10000	0
Bay Area Clean Water Agencies	CAS-PSSEP	20000	0	0	0	0	0	0	0	20000
Bay Area Clean Water Agencies	CAS-CPSC	5000	0	0	5000	0	0	5000	5000	0
Bay Area Clean Water Agencies	CAS-PSI	500	0	0	0	0	0	0	0	500
BACWA Collab & Sponsor Subtotal		35,500.00	0.00	0.00	15,000.00	0.00	0.00	15,000.00	15,000.00	20,500.00
Bay Area Clean Water Agencies	CAR-BACWA Annual Report	20000	8000	0	0	8000	0	0	8000	12000
Bay Area Clean Water Agencies	CAR-BACWA Website Development/	70000	25750	0	604.97	25750	0	604.97	26354.97	43645.03
Bay Area Clean Water Agencies	CAR-Other Communications	15000	18000	0	0	18000	0	0	18000	-3000
BACWA Comm & Report Subtotal		105,000.00	51,750.00	0.00	604.97	51,750.00	0.00	604.97	52,354.97	52,645.03
Bay Area Clean Water Agencies	SP-BAPPG Contribution	50000	0	0	0	0	0	0	0	50000
Bay Area Clean Water Agencies	GBS-Contingency	15000	0	0	0	0	0	0	0	15000
Bay Area Clean Water Agencies	GBS- Meeting Support	10000	848.96	151.04	3199.02	848.96	151.04	3199.02	4199.02	5800.98
BACWA General Subtotal		25,000.00	848.96	151.04	3,199.02	848.96	151.04	3,199.02	4,199.02	20,800.98
Bay Area Clean Water Agencies	AS-BACWA Admin Expense	8000	0	0	626.77	0	0	626.77	626.77	7373.23
Bay Area Clean Water Agencies	AS-Executive Director	130000	108333.34	21666.66	0	108333.34	21666.66	0	130000	0
Bay Area Clean Water Agencies	AS-Assistant Executive Directo	70000	52180	16020	0	52180	16020	0	68200	1800
Bay Area Clean Water Agencies	AS-EBMUD Administrative Servic	44000	43776.74	0	0	43776.74	0	0	43776.74	223.26
Bay Area Clean Water Agencies	AS-Insurance	5000	0	0	3739.87	0	0	3739.87	3739.87	1260.13
BACWA Administration Subtotal		257,000.00	204,290.08	37,686.66	4,366.64	204,290.08	37,686.66	4,366.64	246,343.38	10,656.62
BACWA TOTAL		690,500.00	437,350.94	42,375.80	29,083.68	437,350.94	42,375.80	29,083.68	508,810.42	181,689.58

DEPT_DESCR	PROG_DESCR	AMENDED	CP_ENC	CP_PV	CP_DA	YTD_ENC	YTD_PV	YTD_DA	OBLIGATED	UNOBLIGATED
AIR-Air Issues&Regulation Grp	BDO Administrative Expense	4038	0	0	0	0	0	0	0	4038
AIR-Air Issues&Regulation Grp	BDO Contract Expenses	86755	80790	5964.83	0	80790	5964.83	0	86754.83	0.17
AIR TOTAL		90,793.00	80,790.00	5,964.83	0.00	80,790.00	5,964.83	0.00	86,754.83	4,038.17
BAPPG-BayAreaPollutnPreventGr	BAPPG-CE-Fog	21800	0	0	0	0	0	0	0	21800
BAPPG-BayAreaPollutnPreventGr	BAPPG-CE-Mercury	9500	6527	413	0	6527	413	0	6940	2560
BAPPG-BayAreaPollutnPreventGr	BAPPG-CE-Pesticides	16000	0	0	10000	0	0	10000	10000	6000
BAPPG-BayAreaPollutnPreventGr	BAPPG-CE-Copper	4000	3475	585	0	3475	585	0	4060	-60
BAPPG-BayAreaPollutnPreventGr	BAPPG-CE-Pharmaceutical	4999	0	0	0	0	0	0	0	4999
BAPPG-BayAreaPollutnPreventGr	BAPPG-CE-General P2	46500	0	0	1420.2	0	0	1420.2	1420.2	45079.8
BAPPG-BayAreaPollutnPreventGr	BAPPG-CE-Emerging Issues	5000	0	0	0	0	0	0	0	5000
BAPPG-BayAreaPollutnPreventGr	BAPPG-CE-Other	8396	0	0	0	0	0	0	0	8396
BAPPG-BayAreaPollutnPreventGr	BDO Administrative Expense	5810	0	0	0	0	0	0	0	5810
BAPPG TOTAL		122,005.00	10,002.00	998.00	11,420.20	10,002.00	998.00	11,420.20	22,420.20	99,584.80
WQA-WtrQualityAttainmntStratgy	WQA-CE-Technical Support	191728	31396.33	30329.25	0	31396.33	30329.25	0	61725.58	130002.42
WQA-WtrQualityAttainmntStratgy	WQA-CE-Collaborations & Sponso	50000	0	0	0	0	0	0	0	50000
WQA-WtrQualityAttainmntStratgy	WQA-CE-Trainings	7190	0	0	0	0	0	0	0	7190
WQA-WtrQualityAttainmntStratgy	WQA-CE-Commun. & Reporting	65000	0	0	0	0	0	0	0	65000
WQA-WtrQualityAttainmntStratgy	WQA-CE-Program Mgmt	39000	0	0	0	0	0	0	0	39000
WQA-WtrQualityAttainmntStratgy	WQA-CE-Other	103430	16304.75	2625	3537.91	16304.75	2625	3537.91	22467.66	80962.34
WQA-WtrQualityAttainmntStratgy	BDO Administrative Expense	21810	0	0	0	0	0	0	0	21810
CBC/WQAS TOTAL		478,158.00	47,701.08	32,954.25	3,537.91	47,701.08	32,954.25	3,537.91	84,193.24	393,964.76
WOT - Wtr/Wwtr Operat Training	BDO Administrative Expense	2500	0	0	0	0	0	0	0	2500
WOT - Wtr/Wwtr Operat Training	BDO Contract Expenses	81000	0	0	0	0	0	0	0	81000
WOT TOTAL		83,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	83,500.00
Prop50BayAreaIntegRegnlWtrMgnr	BDO Administrative Expense	8000	1144	856	167.4	1144	856	167.4	2167.4	5832.6
Prop50BayAreaIntegRegnlWtrMgnr	BDO Contract Expenses	78017	78016.92	0	0	78016.92	0	0	78016.92	0.08
Prop50BayAreaIntegRegnlWtrMgnr	LPS Disbursement	0	0	0	301211	0	0	301211	0	0
PROP 50 TOTAL		86,017.00	79,160.92	856.00	301,378.40	79,160.92	856.00	301,378.40	80,184.32	5,832.68



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 9

FILE NO.: 12,263

MEETING DATE: October 28, 2010

TITLE: Resolution regarding wastewater as a resource in the San Francisco Bay Area

☐ MOTION _____ ☒ RESOLUTION _____

RECOMMENDED ACTION

Approval of a resolution expressing BACWA's support for a vision of the San Francisco Bay Area wherein wastewater is recognized and used as a resource.

SUMMARY

BACWA and its member agencies seek out and engage in activities that do not merely lessen the impacts of wastewater discharges on the San Francisco Bay estuary, but that provide a net environmental and economic benefit. Examples of these activities include maximizing water recycling, utilizing biogas to reduce fossil fuel demands, and developing food waste recovery programs. BACWA principals and member agencies are also exploring innovative partnerships with universities and other agencies to develop a vision to guide the Bay Area wastewater community in expanding these and other programs that recognize municipal wastewater as a valuable resource that can reduce demands on already-scarce resources.

In adopting this resolution the BACWA Board is expressing its support for these activities and its desire to facilitate them. This resolution was discussed at the September 23, 2010 meeting at which time questions arose about how this relates to BACWA's adopted mission and a decision was made to continue the discussion at the October 28, 2010 Executive Board meeting. .

FISCAL IMPACT

This action has no immediate fiscal impact that needs to be considered.

ALTERNATIVES

This action does not require consideration of alternatives.

Attachments:

1. Resolution

Submitted: _____

Executive Director Approval: /s/ Amy Chastain

BAY AREA CLEAN WATER AGENCIES

RESOLUTION EXPRESSING BACWA'S SUPPORT FOR A VISION OF WASTEWATER AS A RESOURCE IN THE SAN FRANCISCO BAY AREA

WHEREAS, San Francisco Bay Area publicly owned treatment works (POTWs) discharge several hundred billions of gallons of treated wastewater annually; *and*

WHEREAS, technological advances together with the pressing challenges of climate change, water scarcity, and escalating energy costs have created opportunities for recovery of valuable products from wastewater, including clean water, renewable energy, fertilizer and other useful materials; *and*

WHEREAS, BACWA wishes to see Bay Area agencies emerge as leaders in innovation and implementation of recovering the valuable resources contained in sewage.

NOW, THEREFORE, BE IT RESOLVED that the Executive Board of BACWA hereby expresses its support for a vision for the Bay Area in which systems for resource recovery from wastewater will be developed and deployed to maximize the value of recovered water, energy, and materials, thereby contributing to the development of vibrant, self-sufficient economies and healthy ecosystems around the Bay.

CERTIFICATION

The undersigned Chair and Executive Director of the Bay Area Clean Water Agencies hereby certify that the foregoing Resolution was duly adopted at a noticed meeting of the Executive Board of Bay Area Clean Water Agencies held on October 28, 2010.

Ben Horenstein, Acting Chair

Amy Chastain, Executive Director



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 10

FILE NO.: File 12,255

MEETING DATE: October 28, 2010

TITLE: Agreement with Univision for BAPPG FOG Outreach, Hispanic Radio Public Service Announcements

☒ MOTION _____ ☐ RESOLUTION _____

RECOMMENDED ACTION

Authorize an agreement with Univision, in an amount not to exceed \$10,000, to air radio ads and public service announcements about proper FOG disposal during the period of October 28, 2010 – June 30, 2011.

SUMMARY

This BAPPG project will air 63 paid radio station ads, 60 free public service announcements (PSAs), and 15 online spots in Spanish informing Bay Area residents about proper FOG disposal, through December 31, 2010. The stations may be able to air additional PSAs as the broadcast schedule permits. Last year we received an additional 24 PSAs.

This project is in the BAPPG fiscal year 2010-2011 workplan and budget approved by the BACWA Executive Board.

This project will be managed by Andrea Case of San José and Maya Slocum of SBSA.

FISCAL IMPACT

This project is included in the approved Fiscal Year 2010-2011 BAPPG budget and workplan, and sufficient funds are available for this work.

ALTERNATIVES

This action does not require consideration of alternatives.

Attachments:

1. Univision BAPPG FOG 2010-11, 12,255 Scope of Work

Submitted: Sharon Newton, BAPPG Chair

Executive Director Approval: /s/ Amy Chastain

Project Scope for FY 2010/11

Title	HISPANIC RADIO OUTREACH (emphasis on Fats, Oils, & Grease)
Purpose	Presentation of behavior and awareness messages about FOG disposal to Bay Area Hispanic audiences.
Background	<ul style="list-style-type: none"> • Bay Area Hispanic audiences constitute 22% of the Bay Area population. • Outreach to Hispanic audiences requires specialized language and cultural skills. • Products developed and services implemented through BAPPG's Hispanic Radio Outreach project provides these specialized services at significant savings for BAPPG members.
Scope	<ul style="list-style-type: none"> • 63 paid spots and 15 online spots with a guarantee of 60 free PSAs throughout the broadcast schedule of Thanksgiving week and the 2 weeks around the end-of-year holidays. • Possible – additional free PSAs worked into the broadcast schedule. Last year we received 24 additional free PSAs. • Possible – distribute P2 educational materials at radio station sponsored events. BAPPG would provide materials and premium items when the radio station has events.
Products	1.) Final report produced by Univision.
Budget	\$10,000
Project Champion	Andrea Case, San José Maya Slocum, SBSA



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 11

FILE NO.: 12,281

MEETING DATE: October 28, 2010

TITLE: Approval of RMC/Oakley Water Mercury Annual Report Assistance Contract

☒ MOTION _____ ☐ RESOLUTION _____

RECOMMENDED ACTION

Authorize the preparation of the 2010 Mercury Watershed Permit Group Report by RMC Water and Environment in an amount not to exceed \$20,000 for services during the period October 29, 2010 to June 30, 2011.

SUMMARY

The Mercury Watershed Permit Group Report is a requirement of the Mercury Watershed Permit, which was made effective on March 1, 2008. Based on experience gained from the 2008 and 2009 reports, RMC will conduct the following tasks: coordinate the distribution of revised forms for the new reporting period, compile mercury concentration and load data, prepare draft and final reports, and field participant questions as needed during the report preparation process.

This work will be carried out under the supervision of Monica Oakley who similarly supervised production of this report in 2008 and 2009.

FISCAL IMPACT

This project is included in, and consistent with, the approved Fiscal Year 2010-2011 CBC/WQAS budget and workplan. \$20,000 is budgeted for this project and no other work is underway, planned, or anticipated for this budget line.

ALTERNATIVES

No other alternatives were considered as the BACWA contracting policies authorize a sole source selection process for contracts under \$50,000.

Attachments:

1. Scope and Cost Estimate

Preparation of 2010 Mercury Watershed Permit Group Report

Scope of Services

Introduction

This scope includes services provided by RMC Water and Environment (RMC) to prepare the BACWA Mercury Watershed Permit Group Report, for reporting of 2010 data and information. Expected steps in the report preparation process are shown below.

Task 1. Modify Reporting Forms and Materials for 2010

Based on experience gained from the 2008 and 2009 reports, modify the following materials for use by BACWA member agencies in submitting mercury data and information:

- 3-Part Reporting Form
- Instructions for filling out mercury forms
- Question and Answer document for filling out mercury forms

This task includes distribution of revised forms and materials by email to municipal wastewater treatment plants discharging to San Francisco Bay and its tributaries, and following up if email addresses do not appear to be reaching the proper individuals. This task also includes answering questions from municipal dischargers as they arise during form completion.

Task 2. Compile Mercury Data for Municipal Dischargers

Data submitted by Bay Area municipal wastewater treatment plants will be compiled in a systematic way to assure data completeness and integrity and easy access for various steps of the report development process. Data will be entered into spreadsheets if necessary to check computations, if only hard copy forms are submitted (such as by fax). Mercury concentration and flow data will also be obtained from Regional Water Board staff for non-reporting municipal agencies and included in the compilation and analysis.

Task 3. Data Checking

Data and computations for each reporting agency will be checked for each reporting agency to make sure that the computations are consistent with the mercury watershed permit, and consistent among all agencies. Agencies will be contacted if data or computation anomalies are discovered. If necessary, Oakley Water will correct data computations that were performed incorrectly.

Task 4. Compile Mercury Data and Information into Summary Tables

Mercury concentration and mass load data, as well as pollution prevention information, will be compiled into summary spreadsheets for use in the group report.

Task 5. Data Evaluation and Preparation of Draft Report

The weighted annual mercury mass emission for each agency will be evaluated, as well as the pollution prevention information. The mercury mass emission for 2008 and 2009 will be compared to the 2010 mass emission for each discharger, as required in the mercury watershed permit. A draft report will be prepared that describes the compilation of data and information for the report, and any findings that become apparent from the evaluation.

Task 6. Preparation of Final Report

Comments from BACWA member agencies will be incorporated into the final draft report. The final report will be produced in two formats, both hard copy and electronic. One format will be the narrative report with summary tables, which will stand alone as a complete summary document for the group report. This document is estimated to be approximately ten pages. Twenty hard copy documents will be produced for BACWA leaders' use. The other format will be the narrative report together with the completed 3-part reporting forms for each discharger. This document is expected to be approximately 220 pages. One hard copy of this report will be produced for submittal by BACWA to the Regional Water Board. All documents will contain a CD which will have both the short narrative report and the full report as electronic files in PDF format. A cover letter for transmittal of the full document to the Regional Water Board will be provided to the BACWA Executive Director.

Schedule

The estimated schedule is shown in Table 1 below.

Table 1. Schedule for Preparation of 2009 BACWA Mercury Watershed Group Report

Estimated Date	Activity
12/15/10	Distribute revised forms and materials to Bay Area municipal wastewater treatment plant representatives, by email.
2/15/11	Deadline for submittal of completed mercury forms
2/22/11	Preliminary computation of group mass load will be provided to BACWA leaders and other interested parties.
2/25/11	Draft BACWA Mercury Watershed Group Report will be provided for review.
3/4/11	Deadline for comments on draft report
3/11/11	Final report to BACWA Executive Director for Board packet
3/24/11	BACWA Board meeting (anticipated date) – Review and approve submittal of final report to Regional Water Board
4/1/11	Deadline for submittal to Regional Water Board

Bay Area Clean Water Agencies
Professional Services by RMC Water and Environment

Estimated Cost for Preparation of 2010 Mercury Watershed Permit Group Report

October 7, 2010

Task Activity Description	Labor Hours (1)				Total Labor Cost	Other Direct Cost (2)	Total Cost
	Principal	Project Engineer	Project Assistant	Total Labor Hours			
	\$ 180	\$ 140	\$ 95				
Modify forms and materials for 2010, distribute forms and materials, field questions from agencies on form completion.	12	4		16	\$ 2,720	\$ -	\$ 2,720
Compile mercury data for municipal dischargers, obtain data for non-reporting agencies from Regional Water Board staff.	6	40	4	50	\$ 7,060	\$ -	\$ 7,060
Data checking, correction of computations as necessary.	4	8		12	\$ 1,840	\$ -	\$ 1,840
Compile mercury data and information into summary tables		4		4	\$ 560	\$ -	\$ 560
Data evaluation, including comparison of 2010 data with 2008 and 2009 data, and preparation of draft report.	4	32		36	\$ 5,200	\$ -	\$ 5,200
Preparation of final report and CDs	2	8	8	18	\$ 2,240	\$ 380	\$ 2,620
Total	28	96	12	136	\$ 19,620	\$ 380	\$ 20,000
Notes: (1) RMC rates shown are effective through June, 2011. Rates are subject to increase for increased costs and salary adjustments. (2) Other direct costs include such reimbursable expenses as printing and mileage.							



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 12

FILE NO.: 12,282

MEETING DATE: October 28, 2010

TITLE: Nomination and Election of BACWA Executive Board Chair and Vice Chair

☒ MOTION _____ ☐ RESOLUTION _____

RECOMMENDED ACTION

Nomination and election of the BACWA Executive Board Chair and Vice Chair.

SUMMARY

Section 7 of the Joint Powers Agreement establishing BACWA states that the agency shall designate a Chair and Vice Chair, chosen by the Executive Board, from the members of the Executive Board. These positions each have a one year term that coincides with BACWA's fiscal year. Responsibilities of the Chair include signing contracts, approving payments, convening and presiding over Executive Board meetings, and serving on the BACWA Finance Committee. Responsibilities of the Vice Chair include serving as the Chair in the absence of the regularly elected Chair and serving on the BACWA Finance Committee.

On May 27, 2010 the Executive Board designated Arleen Navarret, of SFPUC, to serve as Chair and Ben Horenstein, of EBMUD, to serve as Vice Chair. Ms. Navarret is retiring from SFPUC and has relinquished her position on the BACWA Board.

BACWA Leadership History

Timeframe	Chair	Vice-Chair
2000 – 2002	Chuck Weir	Jim Kelly
2002 – 2004	Jim Kelly	Michael Carlin
2004 – Feb. 2005	Michael Carlin	Dave Williams
Mar. 2005 – July 2005	Dave Williams	Bill Keaney
July 2005 – June 2006	Bill Keaney	Chuck Weir
July 2006 – May 2007	Bill Keaney	Dave Williams
June 2007 – June 2008	Dave Williams	Dave Tucker
July 2008 – March 2010	Dave Tucker	Doug Craig
April 2010 – June 2010	Dave Tucker	Arleen Navarret
July 2010 – present	Arleen Navarret	Ben Horenstein

FISCAL IMPACT

This action has no fiscal impact.

ALTERNATIVES

This action does not require consideration of alternatives.

Submitted: Amy Chastain, Executive Director 42 Executive Director Approval: /s/ Amy Chastain

SHELLFISH HARVESTING BENEFICIAL USE

WHITE PAPER

DRAFT

September 13, 2010

For



Bay Area Clean Water Agencies

A Joint Powers Public Agency

Leading the Way to Protect our Bay

By



Patricia McGovern Engineers

SHELLFISH HARVESTING BENEFICIAL USE DRAFT WHITE PAPER

September 13, 2010

INTRODUCTION

The San Francisco Bay Regional Water Quality Control Board (RWQCB) recently began issuing NPDES permits containing fecal coliform limits to address the shellfishing beneficial use designation, which applies to San Francisco Bay. The fecal coliform limits (without accounting for dilution) are very stringent. Concern exists about the ability of POTWs to meet these requirements with existing disinfection facilities and practices, and the potential impact of having to operate existing disinfection processes with increased chlorination doses.

Additionally, the State Water Resources Control Board (State Board) is moving forward with changes to the shellfish beneficial use designation in the Ocean Plan and Basin Plans, which could impact how the Regional Boards implement the shellfish beneficial use in the future. Ultimately, these changes will have implications for Bay Area dischargers.

Therefore, this White Paper does the following:

- Describes how coliform limits are currently being implemented to protect shellfishing beneficial use in Region 2 NPDES permits,
- Summarizes the State Board conceptual approach and considered alternatives,
- Identifies additional information needs and outstanding questions to be addressed,
- Describes the impact of current and future shellfish-related regulatory requirements on BACWA member agencies, and
- Provides preliminary recommendations for next steps.

HISTORY OF BACTERIOLOGICAL STANDARDS AND CURRENT APPROACH IN SAN FRANCISCO BAY

EPA has expressed concern in the past regarding the RWQCB approach to protecting the water contact recreation and shellfish harvesting beneficial uses through bacteriological standards. The RWQCB agreed to develop a Basin Plan Amendment (BPA) to address bacteriological standards for the protection of contact recreational beneficial uses. The *Bacteria Objectives for Marine and Estuarine Waters Designated for Contact Recreation in the San Francisco Bay Region BPA (Recreation Bacteria BPA)* was adopted on April 14, 2010 (Resolution No. R2-2010-0066). This amendment introduced enterococcus effluent limits based on the federal BEACH Act that are protective of water contact recreation.

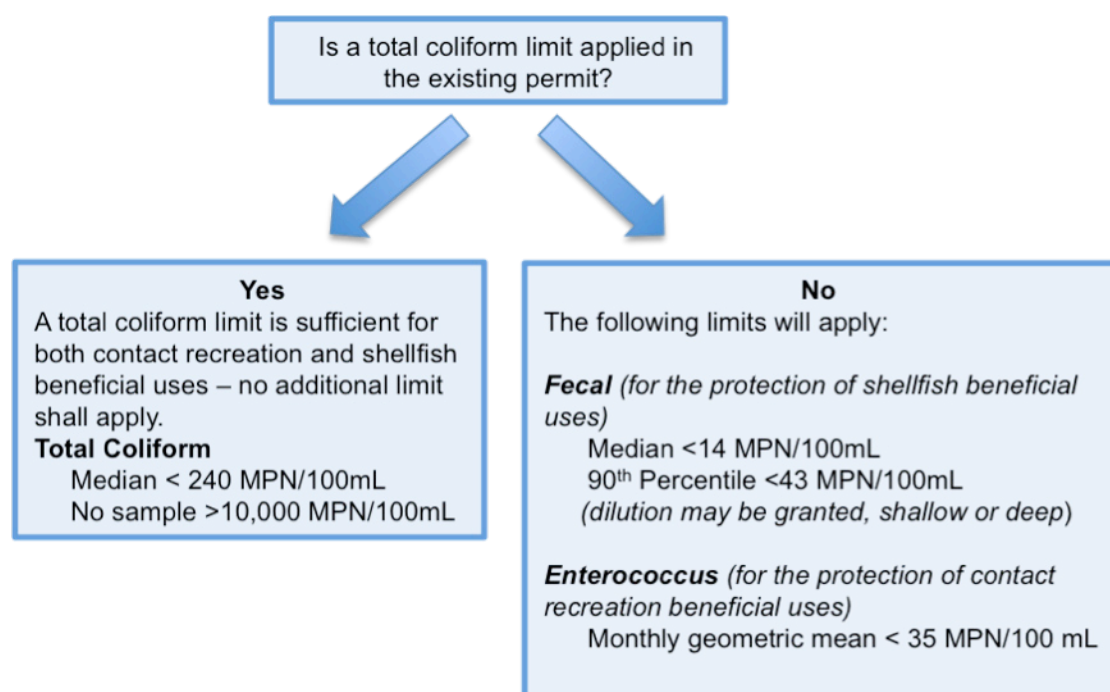
The RWQCB still plans to revise the approach taken for the protection of the shellfish beneficial use. The 2009 Basin Plan Triennial Review identifies this as a priority issue (Prioritized Rank 6). This effort strongly hinges on the State Board's current effort to develop a methodology for applying criteria for the protection of the shellfish beneficial use.

For now, the RWQCB is following their permitting approach outlined in the *Recreation Bacteria BPA* for dischargers into waters designated both water contact recreation and shellfish

harvesting (Figure 1). Generally, this approach allows dischargers using total coliform to continue using total coliform for the protection of both contact recreation and shellfish harvesting. If total coliform is not used, then the discharger will receive both a fecal coliform limit for the protection of shellfish beneficial uses and an enterococcus limit for the protection of contact recreational beneficial uses. The fecal coliform limit is based on the water quality objectives listed in Table 3-1 of the Basin Plan (median < 14 MPN/100mL, 90th percentile < 43 MPN/100mL).

This fecal coliform water quality objective is very low and Bay Area dischargers are concerned that if these limits are imposed, a number of undesired outcomes could result, including increased levels of chlorine use with increased production of disinfection by-products and associated impacts. Additionally, bacterial exceedances may still occur due to the inherent variability at low levels of coliform and the challenge of chemical delivery systems to manage that variability. The RWQCB has stated that if a dilution study is provided, dilution may be given to provide some relief.

Figure 1. What Bacterial Standards Apply



A recent example of this approach can be observed in the bacteriological limits for Novato Sanitary District, a shallow water discharger that had an enterococcus limit included in its previous 2004 permit (Order No. R2-2004-0093), yet did not have either a total coliform or a fecal coliform limit. The lack of either a total coliform or a fecal coliform limit in the 2004 permit is considered an oversight by Regional Water Board staff (correspondence with Bill Johnson, RWQCB, 8/13/10). Believing that enterococcus may not be fully protective of shellfish beneficial uses, the RWQCB added a new fecal coliform limit to Novato's latest permit (Order No. R2-2010-0074). Novato provided a study, which showed a 10:1 dilution was applicable in the mixing

zone and that no shellfish harvesting occurred in this area. Therefore, dilution was granted when calculating the final fecal effluent limits (median < 140 MPN/100mL, and 90th percentile < 430 MPN/100mL).

It is important to note that Novato was able to show that there were no shellfish within the area of the discharge. If shellfish were present, the RWQCB would not so easily allow dilution (correspondence with Lila Tang, RWQCB, 9/9/10). Essentially, a discharger that may have difficulty with the RWQCB's current approach on the protection of shellfish beneficial uses would be a shallow water discharger that discharges into an area where shellfish are present. Dilution would be difficult to grant, possibly resulting in a fecal limit of median < 14 MPN/100mL, 90th percentile < 43 MPN/100mL. A thorough inspection of all permits would need to be conducted to identify any dischargers that fall into this category.

Use of Fecal Coliform Limits in Lieu of Total Coliform

Several dischargers have requested that fecal coliform be used instead of total coliform. Dischargers developed and submitted studies to support their claims that fecal coliform limits were sufficiently protective of beneficial uses. In general, the RWQCB granted these dischargers a fecal coliform effluent limitation of 500 MPN/100mL (30-day moving median) and 1,100 MPN/100mL (not more than 10% of the samples in any 30-day period to equal or exceed). In more recent permits, enterococcus has also been added to address water contact beneficial uses.

There is growing concern at the RWQCB with the approach taken in these studies. In some of the studies the monitoring points for shellfish harvesting locations were a great distance from the discharge location, essentially creating a dilution effect significantly larger than the actual 'mixing zone'. In the future, the RWQCB plans to take the approach of basing the limit on the objective with the use of an actual mixing zone (Lila Tang, RWQCB, 9/9/10). This is a typical approach EPA is comfortable with. Consequently, it can be expected that the RWQCB will be taking the same approach that was taken in Novato's permit (i.e. use the 14/43 MPN/100mL water quality objectives with dilution), rather than apply the limits concluded from the fecal coliform studies (i.e. 500/1,100 MPN/100mL).

The next permit to be impacted by these changes is East Bay Discharger Authority (EBDA, scheduled for January 2012). EBDA's current bacterial limits (Order No. R2-2006-0053) are a fecal coliform of 500 MPN/100mL (30-day moving median) and 1,100 MPN/100mL (not more than 10% of the samples in any 30-day period to equal or exceed). It is anticipated that these requirements will change. A dilution study will need to be conducted. New fecal coliform limits will be included in the new permit that are based on a median < 14 MPN/100 mL and 90th percentile < 43 MPN/100mL, with adjustments made based on actual dilution. At a minimum, the resulting fecal coliform limits would be a median < 140 MPN/100mL and 90th percentile 430 MPN/100mL using the minimum dilution for a deep water discharger.

Another example of how these changes may impact dischargers with fecal limits may be seen by taking a look at what might be expected during San Francisco's Southeast Plant next permit iteration (scheduled for March 2013). The current fecal coliform limits at the Southeast Plant are 500 MPN/100mL (30-day moving median) and 1,100 MPN/100mL (not more than 10% of the samples in any 30-day period to equal or exceed) (Order No. R2-2008-0007). The dilution at the Southeast Plant has been calculated to be 36:1. Assuming the same dilution were to be used for the determination of fecal coliform limits, then the resulting effluent limits would calculate to be a median < 504 MPN/100mL and a 90th percentile < 1,548 MPN/100 mL. These

limits are slightly less restrictive than the current permits limits. Therefore, in order not to violate antibacksliding, the current 500/1100 MPN/100mL limits will likely still apply. The San Francisco's Southeast Plant is a good example because their dilution is at the cusp of what will result in a more stringent fecal coliform limit - a dilution less than 36:1 will likely result in more stringent fecal coliform limits than the current 500/1,100 MPN/100 mL.

Future Permits

Marin Sanitary District # 5 WWTP (Paradise Cove) is the next discharger to the San Francisco Bay with a shellfish beneficial use whose permit is up for renewal (February 2011). The current bacteriological permit limits are for Total Coliform (median < 240 MPN/100mL, max <10,000 MPN/100mL). Therefore, as these limits are considered protective of both shellfish harvesting and contact recreation beneficial uses, it is anticipated that the bacteriological limits will not change. The schedule of impacted permits in San Francisco Bay through the first half of 2012 is presented in Table 1.

Table 1. Potential Future Bacteria Permit Limits for Bay Dischargers

WWTP	Scheduled Permit Renewal	Dilution	Bacterial Indicator in Current Permit (MPN/100mL)	Potential Future Permit (MPN/100mL)
East Bay Discharge Authority (EBDA)	Jan-12	10:1	Fecal Coliform Median < 500; 90th perc. <1100	Fecal Coliform ¹ Median < 140; 90th perc. <430 Enterococcus Monthly geometric mean <35
Dublin San Ramon Livermore-Amador Valley	Jan-12	10:1	Fecal Coliform Median < 500; 90th perc. <1100	Fecal Coliform ¹ Median < 140; 90th perc. <430 Enterococcus Monthly geometric mean <35
Livermore-Amador Valley WMA	Jan-12	10:1	Fecal Coliform Median < 500; 90th perc. <1100	Fecal Coliform ¹ Median < 140; 90th perc. <430 Enterococcus Monthly geometric mean <35
South Bayside System Authority WWTF	Mar-12	10:1	Fecal Coliform Median < 500; 90th perc. <1100 Enterococcus Monthly geometric mean <35	Fecal Coliform ¹ Median < 140; 90th perc. <430 Enterococcus Monthly geometric mean <35

Notes:

1. Current dilution for toxics is 10:1. A greater dilution is anticipated for bacterial limits (a dilution study will need to be conducted), resulting in more relaxed fecal coliform limits.

STATE BOARD APPROACH TO THE SHELLFISH HARVESTING BENEFICIAL USE

The State Board is currently working on developing a state-wide consistent application of shellfish beneficial uses. The need for this is identified in the 2005-2008 Ocean Plan Triennial Review as a high priority. Although this effort originates under the Ocean Plan, the State Board's intent is to have consistency amongst all Regional Boards, and the Ocean Plan and the Basin Plans. Therefore, this work will directly impact California bays and estuaries, including San Francisco Bay.

There are three main goals in which the State Board wishes to clarify through this effort.

1. The first is to have a consistent definition of what is meant by shellfish.
2. The second is to apply a consistent standard, potentially adding in a reference system.
3. The third is to refine the shellfish geographic designation to include only the nearshore zones.

On May 3, 2010, the State Board conducted a webinar listening session to present their preliminary approach to addressing the shellfish harvesting beneficial use goals. These are explained in greater detail in the following sections.

The State Board intends to distribute a document within a month that addresses the questions that were asked in the May 3, 2010 listening session. Additionally, the document will include results from the latest monitoring and assessment efforts as they relate to the reference system. Another public listening session/workshop is expected within the next quarter, as progress continues. The process to amend the Ocean Plan to incorporate these proposed changes may begin as soon as next year. Corresponding Regional Board efforts would then follow.

Consistent Definition of What is Meant by Shellfish

The Ocean Plan and each RWQCB's Basin Plan define shellfish differently (Table 2). In order to have consistency statewide, a resolution under consideration as part of this effort is to have shellfish defined as filter feeding bivalves (mussels, clams, oysters) as is defined in the Ocean Plan. Other invertebrates (e.g. lobsters, abalone, etc.) will still be protected under other beneficial uses.

Table 2. Definition of "Shellfish" Among Regional Water Boards

	Ocean Plan	Regions 1,3,4,9	Region 2	Region 8
Bivalves (mussels, clams, oysters)	Yes	Yes	Yes	Yes
Other mollusks (limpets, abalone)				Yes
Crustaceans (lobster, crab, shrimp)			Yes	Yes
Sea urchins				Yes

Source: Dominic Gregorio, State Water Resources Control Board

Applying a Consistent Standard

A second goal is to have a consistent standard applied to shellfish harvesting. In the Ocean Plan, shellfish harvesting is protected under the following three beneficial uses:

Shellfish Harvesting Beneficial Use (SHELL)

Uses of water that support habitats suitable for the collection of filter-feeding shellfish (e.g. clams, oysters, and mussels) for human consumption, commercial, or sport purposes.

Commercial and Sport Fishing (COMM)

Uses of water for commercial, recreational (sport) collection of fish, shellfish, or other aquatic organisms including, but not limited to, uses involving organisms intended for human consumption or bait purposes.

Aquaculture (AQUA)

Uses of water for aquaculture or mariculture operations including, but not limited to, propagation, cultivation, maintenance, or harvesting of aquatic plants and animals for human consumption or bait purposes.

A resolution under consideration is to allocate shellfish harvesting into two different existing beneficial uses. SHELL would focus on recreational harvesting, while AQUA would focus on commercial shellfish harvesting. The proposal would also establish the same fecal coliform standard of 14 MPN per 100mL for both SHELL and AQUA, yet would implement the standards differently. For recreational harvesting (SHELL), a reference system approach would be developed to address the fact that natural sources of bacteria may lead to water quality exceedances. For commercial harvesting (AQUA) there would not be a reference source exclusion and would therefore be more stringent. San Francisco Bay does not have commercial shellfish harvesting as a beneficial use, so the Bay would be subject to the reference system.

The reference system approach would provide some relief to dischargers. With the reference system approach, bacteria concentrations in waters sourced by an undeveloped watershed (minimally impacted by anthropogenic sources) would define 'background'. Likely, background levels will be greater than the current 14 MPN/100mL fecal coliform standard. Bacterial concentrations from a discharge would need to be equal to or below background levels. Therefore, this approach essentially establishes an allowable exceedance frequency for bacteria standards. [Data from California beach monitoring data (2000-2009) show a 40% frequency of exceeding fecal coliform limits at a potential background reference. Note that this is preliminary data and the State Board is still further considering whether this value would be acceptable, how best to define the reference system, alternative methodologies, etc.]

Refine the Shellfish Geographic Regions

As it is currently delineated in the Ocean Plan, the SHELL beneficial use applies in 'ocean waters', which may lead to chlorination all the way to three miles offshore (State boundaries). These waters are likely to be deeper than recreational diver depths. Therefore, the resolution proposed is to refine the SHELL (recreational only) geographic designation to include only the nearshore zone. More specifically, the recreational shellfish harvesting standard would only apply in wadeable areas in the state up to the diver depths. This approach would provide relief for offshore dischargers.

Originally, a goal of this effort was to identify shellfish harvesting areas where the standard would be implemented and monitored, and to differentiate areas used for commercial and recreation shellfish harvesting. The State Board approach has since been modified to focus on developing a reference system instead. It is not the State Board's intent to refine geographic areas further.

Consequently, the standard will still apply where shellfish do not exist (e.g. areas dominated by freshwater input, with seasonal closures, or habitat that does not support shellfish). The State Board has specifically stated that in order to remove the shellfish harvesting beneficial use designation a Use Attainability Analysis (UAA) must be conducted.

PRELIMINARY RECOMMENDATIONS FOR NEXT STEPS

For dischargers that will have a new fecal limit, it will be important to understand if the discharger is unable to comply with the new limits without increasing chlorine doses. Next steps may include identifying all Bay Area permits discharging into SHELL waters with fecal limits, and assessing the environmental and financial impacts of the anticipated new permit limits. For example, if increased levels of chlorine are required, will there be corresponding exceedences in disinfection by-products limits that necessitate changing disinfection technologies?

Additionally, it will be important to stay involved in the State Board process to make sure that the new implementation plan will take Bay Area Dischargers' concerns into account. The reference system could be a promising approach if it helps Bay Dischargers avoid "overdisinfecting" when discharging to waters with naturally high levels of bacteria. BACWA has the opportunity to provide input into the development of this process, and how it is implemented locally. For instance, it would be much more advantageous to have the reference system apply when calculating effluent limits rather than applying the reference system after the fact, i.e. when determining compliance.

SUMMARY

Changes in the way shellfish harvesting beneficial uses are protected are being made at both the local and state level. Fecal coliform water quality objectives for the protection of shellfish harvesting are extremely low (median < 14 MPN/100mL, 90th percentile < 43 MPN/100mL). Bay Area dischargers are concerned that if these limits are imposed, a number of undesired outcomes could result, including increased levels of chlorine use resulting in increased safety hazards, increased costs, and increased production of disinfection by-products. Exceedences may still occur due to the inherent variability at low levels of coliform, and the challenge of chemical delivery systems to manage that variability.

Bay Area dischargers that discharge into areas designated SHELL (e.g. San Francisco Bay) with a total coliform limit will not see changes to their bacterial limits. Dischargers with only one fecal coliform or enterococcus limit, will be given limits for both indicator organisms - enterococcus limit for the protection of contract recreation and fecal coliform limit for the protection of shellfish harvesting beneficial uses. A significant change is that in future permits the fecal coliform limit will now be based on a median < 14 MPN/100mL and a 90th percentile < 43 MPN/100mL, calculated using site-specific dilution studies. Novato was the first discharger where this new approach was applied. EBDA (scheduled for January 2012) will be the next permit where this change will be made. In general, dischargers that currently have total coliform limits, or that have fecal coliform limits and large dilution credits, are not expected to be impacted by this change.

In the future, some relief may be provided through the State Board's proposed reference system approach. Although only in the concept stage at this point, this reference could possibly provide

an allowable exceedance frequency for bacteria standards based on natural background levels. The time frame for this is uncertain, although the Ocean Plan may be amended as soon as next year. Corresponding Regional Board efforts would follow.

BACWA Energy and Resource Workshop

Scope of Work

Background

Based on the outcome of the BACWA Energy Project Assessment and discussion at the Pardee Technical Seminar, CH2M HILL has been asked to collaborate with BACWA to develop and present a workshop focusing on energy management as well as resource recovery and organizational efficiency. The workshop will feature discussion of the Strass Strass in Zillertal Wastewater Treatment Plant (WWTP) in Austria case study, developed by CH2M HILL on behalf of the Water Environment Research Foundation (WERF), as well as other examples of WWTPs with high energy-efficiency and sustainability performance.

Objectives of the workshop are as follows:

- Learn key strategies and critical success factors from Strass and other high performing facilities
- Initiate a broader dialogue with BACWA members on how BACWA can support energy management efforts
- Build relationships with energy regulators and other potential partners

Task 1 – Workshop Planning and Preparation (est. \$12,242)

Under this task, CH2M HILL staff will conduct the following activities:

- Work with BACWA Subcommittee to finalize the workshop agenda (assume 2 conference calls)
- Work with BACWA Executive Director to identify workshop partners and/or presenters. Potential partners include USEPA Region IX, the Regional Water Quality Control Board, the California Energy Commission, the California Public Utilities Commission, Pacific Gas & Electric, and WERF.
- Work with BACWA Executive Director to identify a workshop venue and date. Venues belonging to the potential partners identified above will be explored, as well as BACWA member agency venues.
- Develop presentation materials for the workshop
- Work with BACWA Executive Director to develop workshop invite.

It is assumed that workshop invite distribution and workshop logistics including food will be handled by BACWA.

Task 2 – Workshop Presentation (est. \$12,697)

Under this task, CH2M HILL will deliver the workshop. It is assumed that the workshop will be a one-day event held in the Bay Area and will engage one local and two out of state CH2M HILL staff.

A preliminary workshop agenda is presented below. As described above, CH2M HILL will work with BACWA to refine this agenda in Task 1.

Preliminary Agenda

- Overview of WERF Optimization Challenge
- Strass case study + selected North American examples
- What can the Bay Area learn from Strass and other high performing facilities
 - Focusing on the right metrics
 - Organizational issues – hiring practices, organizational structure
 - Technical issues – examples: annamox sidestream nutrient treatment technologies, N₂O emissions
- Facilitated discussion on Bay Area challenges and opportunities
- Funding mechanisms – presented by CPUC/CEC/PG&E
- Path forward for the Bay Area – discussion on potential areas for collaboration (with regulators and among BACWA members)

Total (\$24,939)

Note that task budgets are estimates only. The project will be managed and invoiced to meet the overall project budget.

The period of performance for this project is through February 2011.

STRATEGY DEVELOPMENT PROPOSAL
Power Pricing and Generation
October 28, 2010

GOAL

Develop a coordinated approach for power pricing and generation strategies that maximize the benefits to PG&E and Bay Area Clean Water Agencies.

BACKGROUND

BACWA, a consortium representing the 40 agencies providing wastewater treatment for the ~7 million residents in the Bay Area, has two major areas of overlap with PG&E:

1. *Client Interaction.* Because of our pumping and treatment needs, BACWA agencies represent many of PG&E's largest customers. Together, BACWA agencies spend approximately \$10-20 million on annual power usage. Because the BACWA agencies have very different governmental structures (ranging from sanitary districts to city government departments to water utilities), the structure of BACWA interaction with PG&E's rate structure can be quite different. How can this process be more transparent, more efficient, and more incentivized to long-term policy issues facing both sectors—for instance energy conservation or minimization of peak power needs.
2. *Power Generation and Conservation.* Every BACWA agency generates significant quantities of methane that must be processed. Different agencies use a variety of techniques for methane handling ranging from flaring to combustion-generation to fuel cells. In addition, agencies often have significant land resources that are increasingly used to generate solar power. PG&E has a need to generate increasing proportions of its energy from "green" energy sources, which these sources represent. Is there a way to more cost-effectively produce this energy in a way that benefits both sectors? Similarly, each BACWA agency is exploring how it can lower its energy usage. While some of this work has been conducted with PG&E assistance, in general the BACWA agency needs are fairly industry-specific, and BACWA agencies are exploring joint ways of assessing potential improvements in energy efficiency.

PROPOSED APPROACH

BACWA and PG&E propose to conduct a joint workshop to meet to explore whether there are approaches beneficial to both sectors. Representatives from each group would present an overview of opportunities and constraints and identify two or three key areas warranting further attention.

BACWA Annual Meeting Proposal
January 27, 2010
9:00 – 1:00

NUTRIENTS

8:00 a.m. – 9:00 a.m.

Managers/Leaders Breakfast (in lieu of Executive Board meeting)

9:00 a.m. – 12:00 p.m.

1. ED/Chair Introduction & Welcome
2. Regulatory Issues (Panel Introduction & Discussion)
 - a. National Developments
 - b. State/Regional (Numeric Nutrient Endpoints)
 - c. Permitting (SRCSD)
3. Feasibility Issues
 - a. Limitations of current N/dN removal technologies
 - b. Costs of N/dN removal
 - c. Air quality/GHG emission implications

12:00 p.m. – 12:30 p.m.

Lunch/Committee Introductions & Poster Session

12:30 p.m. – 2:00 p.m. (Collection Systems Committee to meet/break out at 1:00)

4. State of the Science
 - a. Ambient Bay Concentrations & Trends
 - b. Known and Uncertain Impacts (toxicity, diatom inhibition, ??)
5. Planning Efforts: What are Bay Area agencies planning for in terms of nutrient removal? How are they accounting for regulatory and scientific uncertainty?

BACWA BOARD MEETING IN CALENDAR YEAR 2011

MONTH	DATE	TIME
January	27	8:00 – 1:30 (Annual Member Meeting)
February	24	9:00 – 12:00
March	24	9:00 – 12:00
April	21	9:00 – 12:00
May	26	9:00 – 12:00
June	23	9:00 – 12:00
July	28	9:00 – 12:00
August	25	9:00 – 12:00
September	22	9:00 – 12:00
October – Pardee TS	11 - 14	EBMUD - Pardee
November	17	9:00 – 12:00
December	15	9:00 – 2:00 (Holiday Lunch)

CASA 2011 Conferences

MID-YEAR CONFERENCE

January 12-45 [JW Marriot-Desert Springs Palm Desert, CA](#) (888) 538-9459

D.C. CONFERENCE

March 14 - 16 [Hotel Monaco Washington, D.C.](#) (800) 649-1202

SPRING CONFERENCE

April 27 - 30 [Hyatt Regency Sacramento, CA](#) (800) 633-7313

56th ANNUAL CONFERENCE

August 10 - 13 [Mission Bay Hilton in San Diego, CA](#) (800) 445-8667

WEF 2011 Conferences

[Impaired Waters Symposium 2011: Spanning the Water Quality Continuum – From Standards to TMDLs](#)

Hilton Miami Downtown

Miami, Florida

January 12 — 13, 2011

[Nutrient Recovery and Management 2011](#)

Hilton Miami Downtown

Miami, Florida

January 9 – 12, 2011

[The Utility Management Conference™ 2011](#)

Downtown Denver

Denver, Colorado

February 8 — 11, 2011

[Disinfection 2011](#)

Hyatt Regency Cincinnati

Cincinnati, Ohio

April 10 – 13, 2011

[Residuals and Biosolids 2011 - Adapting Residuals Management to a Changing Climate](#)

Sacramento Convention Center

Sacramento, California

May 22 – 25, 2011

[Collection Systems 2011 — Rehab or Roulette: Is our Environment at Risk?](#)

Raleigh Convention Center

Raleigh, North Carolina

June 12 – 15, 2011

[EWA-WEF-JSWA Specialty Conference on Cutting-Edge Technologies and Best Practices on Sewerage](#)

TBD

Tokyo, Japan

July 28-29, 2011

[Energy & Water 2011 - Efficiency, Generation, Management, and Climate Impacts](#)

Hyatt Regency McCormick Place

Chicago, Illinois

July 31 – August 2, 2011

NACWA 2011 Conferences

2011 Winter Conference

February 1-4, 2011

[Hyatt Regency Pier Sixty-Six](#)

Ft. Lauderdale, FL

2011 National Environmental Policy Forum

May 8-11, 2011

[Westin Washington DC City Center](#)

Washington, D.C.

2011 National Pretreatment & Pollution Prevention Workshop

May 18-20, 2011

St. Louis, MO

2011 Summer Conference & 41st Annual Meeting

July 19-22, 2011

[Westin Chicago River North](#)

Chicago, IL