

BACWA EXECUTIVE BOARD MEETING
Thursday, July 26, 2012, 9:00 a.m. – 12:00 p.m.

HANDOUTS

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

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Executive Board Meeting Agenda

Thursday, July 26, 2012, 9:00 a.m. – 12:00 p.m.
EBMUD 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.)

CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER (9:10 – 9:15)

CONSENT CALENDAR (9:15 a.m. – 9:20 a.m.)

1. June 28, 2012 BACWA Executive Board Meeting minutes
2. May 2012 Treasurer's Report
3. Amendment 1 to agreement with EPC for Recycled Water Committee assistance to extend termination date to December 30, 2012; File 12,381.
4. Agreement with Stephanie Hughes for BAPPG Copper and Mercury Outreach assistance, not to exceed \$16,000 in FY 2012-13; File 12,785.

REPORTS (9:20 a.m. – 10:15 a.m.)

5. Committee Reports
6. Executive Board Reports
7. Executive Director Report
8. Regulatory Program Manager Report
9. Chair & Executive Director Authorized Actions - None

OTHER BUSINESS (10:15 a.m. – 11:30 a.m.)

10. Authorization: Authorize execution of agreement with Whitley Burchett for Recycled Water Committee IRWMP Update support, not to exceed \$49,910, FY 2012-13; File 12,786.
11. Discussion: Nutrients
12. Discussion: State Water Resources Control Board proposed changes to Operator Certification Requirements.
http://www.waterboards.ca.gov/water_issues/programs/operator_certification/index.shtml
13. Discussion: Toxicity Testing (TST)
14. Discussion: PCB Permit Renewal Process and Data Analysis
15. Discussion: Pardee, September 4 – 6, 2012

CLOSED SESSION (11:30 a.m. – 11:55 a.m.)

The Board will meet in Closed Session to discuss personnel matters pursuant to California Government Code section 54957.

REPORT OUT FROM CLOSED SESSION (11:55 a.m. – 12:00 p.m.)

NEXT REGULAR MEETING

The next regular meeting of the Board is tentatively scheduled for August 30, 2012.
The Board will hold a special meeting on July 30th, 2012 at the EBMUD Orinda Watershed Meeting Facility.

ADJOURNMENT (12:00 p.m.)



Executive Board Meeting Minutes

Thursday, June 28, 2012, 8:30 a.m. – 12:00 p.m.

EBMUD Treatment Plant Lab Library
2020 Wake Avenue, Oakland, CA

ROLL CALL AND INTRODUCTIONS

Executive Board Representatives: Ben Horenstein, Chair (East Bay Municipal Utility District); Laura Pagano (San Francisco Public Utilities Commission); Mike Connor (East Bay Dischargers Authority); Ann Farrell (Central Contra Costa Sanitary District); James Ervin (City of San Jose).

Other Attendees: Dave Williams (East Bay Municipal Utility District); Karl Royer (East Bay Dischargers Authority); Amanda Roa (Delta Diablo Sanitation District); Tom Hall (Sunnyvale/EOA); Andy Eggleston (RMC Water and Environment); Lorien Fono (Patricia McGovern Engineers); Dave Reardon (HDR); Denise Conners (Larry Walker Associates); Naomi Feger (San Francisco Regional Water Quality Control Board); Meg Sedlak (San Francisco Estuary Institute); David Senn (San Francisco Estuary Institute); Josh Dickinson (ReNUWIt); Jim Kelly (BACWA); Alexandra Gunnell (BACWA).

PUBLIC COMMENT

There were no public comments.

CLOSED SESSION

The BACWA Executive Board (Board) met in Closed Session to discuss personnel matters pursuant to California Government Code section 54957.

REPORT OUT FROM CLOSED SESSION

The Board authorized the Chair to execute a contract with Koff & Associates for Executive Director recruitment assistance, in an amount not to exceed \$25,000.

PRESENTATIONS

Under **agenda item 1**, Meg Sedlak of the San Francisco Estuary Institute (SFEI), presented an Overview of the Regional Monitoring Program (RMP) for Water Quality in the San Francisco Estuary. Included in the presentation was an update on current BACWA participation in the Steering Committee, Technical Review Committee and workgroups, and a request for additional input and involvement from BACWA representatives. The RMP special studies budget for 2011-2015 was reviewed; Meg Sedlak noted the areas that were still "TBD" and requested that the Board weigh in on priority research areas. A discussion of BACWA RMP representation will be added as a discussion item on a future BACWA Board meeting agenda. Meg Sedlak will send a schedule of upcoming RMP meetings to the Executive Director to be circulated to the Board and shared with BACWA members through the BACWA website or e-newsletter.

CONSENT CALENDAR

*Consent calendar **agenda items 2 – 5** were approved in a motion made by Ann Farrell and seconded by Ben Horenstein. The motion carried unanimously.*

2. May 24, 2012 BACWA Executive Board Meeting minutes
3. April 2012 Treasurer's Report
4. No cost time extension amendments to Fiscal Year 2011-12 agreements

- a. Amendment 1 to Larry Walker Associates As Needed agreement to extend the termination date to December 30, 2012; File 12,448
- b. Amendment 1 to Circle Point As Needed agreement to extend the termination date to December 30, 2012; File 12,197
- 5. Agreements to implement BACWA and Special Programs Fiscal Year 2012-13 budgets and workplans
 - a. RMC Water and Environment for Collection Systems Committee and As Needed Technical Support, not to exceed \$45,000; File 12,733
 - b. Larry Walker Associates for As Needed Technical Support, not to exceed \$15,000; File 12,734
 - c. EOA for As Needed Technical Support, not to exceed \$15,000; File 12,735
 - d. Circlepoint for Annual Report, Website, and As Needed Communications Support, not to exceed \$25,000; File 12,736
 - e. Kennedy Jenks for Info Share Group Support, not to exceed \$25,000; File 12,737
 - f. CH2M Hill for AIR Committee Support, not to exceed \$79,556; File 12,738
 - g. Alexandra Gunnell for Assistant Executive Director Services, not to exceed \$70,200; File 12,739

REPORTS

Committee Reports, for **agenda item 6**, were included in the meeting handout packet and attendees were invited to discuss the reports.

Andy Eggleston reported out for the Collection Systems Committee and noted that at their last meeting the committee discussed State Water Resources Control Board (SWRCB) proposed changes to the Sanitary Sewer System Waste Discharge Requirements (SSS WDR). Draft revisions are expected to be released in July, at which time the committee will consider submitting comments.

Jim Ervin reviewed the Permit Committee report included in the handout packet. Jim noted that Lila Tang of the San Francisco Regional Water Quality Control Board (SFRWQCB) attended last committee meeting and Jim agreed to provide her with suggested language to clarify PCB Source Control reporting requirements in annual Pollution Prevention (P2) reports.

Jim Kelly reported out for the Operations Information Sharing Group and noted that the group has been discussing SWRCB proposed revisions to operator training requirements. Proposed regulations appear to be more stringent than current requirements and comments are due by July 30th, 2012. Specific items of concern include the qualifying experience requirement and reciprocity. The ED will contact representatives of Clean Water Summit Partners to discuss the matter further and determine next steps.

Jim Kelly also reported out for the Biosolids Committee, notifying the Board that the committee is working to produce a fact sheet which will be circulated for Board review before it is finalized.

BACWA Executive Board members were invited to share any items of interest under **agenda item 7, Executive Board Reports**.

Ann Farrell of Central Contra Costa Sanitary District (CCCSD) reported that West Valley Sanitation District is being sued by River Watch for Sewer System Overflows. She also noted that she attended the Stakeholders Advisory Group (SAG) meeting and a copepod study meeting with Karen Taberski (SFRWQCB) and Valerie Conner of the State and Federal Contractors Water Agency, during which

there was mention of plan to conduct a study similar to, but more robust than the Swee Teh work. Ann has asked Mary Lou Esparza (CCCSD) and Bhupinder Dhaliwal to analyze the new study and review the Swee Teh work.

Dave Williams, BACWA representative to the Aquatic Science Center (ASC), provided an update on Nutrients Strategy Development governance concerns. As discussed at the joint BACWA/SFRWQCB meeting on June 18th, he has approached Rainer Hoenicke about ASC/SFEI assistance with the development of a governance structure. Governance consultant Layna Bernstein is currently facilitating efforts to merge the ASC and SFEI governing boards, and Dave Williams will contact her to see if she or a colleague might be able to work with BACWA and SFRWQCB on development of a governance structure. Dave will continue to work with Ann Farrell and Mike Connor to move forward with this effort and will contact the Chair to authorize funding, as necessary.

Laura Pagano reported out for San Francisco Public Utilities Commission (SFPUC). SFRWQCB staff, Bill Johnson, Lila Tang and Derek Whitworth and representatives from the US Environmental Protection Agency Region 9 (EPA) visited SFPUC to discuss the north shore force main leak. SFPUC has already spent over \$1 million on divers, patching, but dye testing results indicate there may be additional leaks along the length of the pipe under the Embarcadero that may cost \$7 million to repair this summer. SFPUC and EPA representatives also met to discuss plans to clean up Yosemite Slough. SFPUC has been named along with many other Potentially Responsible Parties (PRPs), as the EPA believes that SFPUC SSOs containing hazardous discharge from the Bay Area Drum facility may have contributed to contamination of the site. Specific clean up responsibilities for individual PRPs have yet to be determined.

Ben Horenstein informed attendees that he and the ED were considering scheduling a workshop for Board members to increase their level of understanding of Nutrients Strategy Development issues. A full day at EBMUD Orinda Watershed meeting facility or CCCSD is preferred and the Assistant Executive Director (AED) will poll the Board to determine their availability.

For **agenda item 8**, the **Executive Director's Report** was included in the meeting handout packet and reviewed by the Executive Director. Meeting attendees were given the opportunity to discuss the contents of the report. The ED also highlighted the following issues/activities:

- Development of numeric endpoints for biological objectives in wading waters is impending.
- The ED plans to attend SWRCB meeting on July 18th and will circulate a draft testimony on the Sacramento Regional Sanitation District NPDES Permit for Board review. Ann Farrell suggested including comments on the Swee Teh work.
- Toxicity comments will be drafted before the end of the week and the ED will continue to coordinate efforts with California Association of Sanitation Agencies (CASA).
- The ED requested Board guidance regarding response to SWRCB proposed revisions to operator training requirements. Dave Williams will consult with Kurt Haunschild, Laura Pagano with discuss with Tommy Moala, and both will get back to the ED with input.
- An Isle Utilities Technology Approval Group (TAG) meeting is scheduled for September. The ED will contact Ann and Mike to discuss this opportunity.

The following **Chair & Executive Director Authorized Actions (agenda item 9)** were made since the May 24, 2012 BACWA Board Meeting.

- a. Chair Authorization to execute a contract with Patricia McGovern Engineers for Regulatory Program Manager services; not to exceed \$9,900; FY 2011-12; File 12,732
- b. Executive Director Authorization to utilize As Needed contract with EOA for assistance with Triennial Review; not to exceed \$3,000; FY 11-12; File 12,449

- c. Executive Director Authorization to utilize As Needed contract with Circlepoint for Biosolids Fact Sheet assistance; not to exceed \$3,800; FY 11-12; File 12,197
- d. Executive Director Authorization to amend Jen Jackson BAPPG Outreach agreement to extend the termination date to December 31, 2012; File 12,710
- e. Executive Director/Chair Authorization to execute agreements to implement BACWA and Special Programs Fiscal Year 2012-13 budgets and workplans
 - i. Downey Brand for As Needed Regulatory Legal Support, not to exceed \$2,000; File 12,740
 - ii. Day Carter Murphy for As Needed Executive Board Legal Support, not to exceed \$2,000; File 12,741
 - iii. Adammer for As Needed Website Support, not to exceed \$3,000; File 12,742
 - iv. Paul Causey for Sewer Rate Database Assistance, not to exceed \$6,000; File 12,743

OTHER BUSINESS

*For **agenda item 10**, the Board approved the **Amendment 2 to Day, Carter, Murphy agreement for Prop 84 legal assistance to increase the contract value to \$55,000 and extend the termination date to December 30, 2012**, in a motion made by Ben Horenstein and seconded by Laura Pagano. The motion passed unanimously.*

Under **agenda item 11 David Senn** provided an **update on Nutrients Strategy Development**. His presentation included an overview of current nutrient-related work in the Bay and it was noted that adding links to additional information about each study would be helpful. He also explained that the SAG is simultaneously serving as the RMP Nutrients workgroup. David provided a status update on his work and the schedule/outlook of current projects, during which he noted that the beta version of the nutrients website is now live at <http://bayareanutrients.aquaticscience.org/>. The link will be circulated to the BACWA Board and feedback should be directed to David. The Board expressed concern about whether the studies are being designed in a way that will ultimately provide regulators and POTWs with information that can guide decision-making. David requested that the BACWA Board and RWQCB staff provide feedback to him on structuring the deliverables of his work. In his quarterly project update, included in the meeting handout packet, David suggested that the BACWA Board consider taking funds originally intended to support “Task 3: Numeric models and budget: Suisun Bay and South Bay” and combining them with RMP money to support the RMP modeling plan (Biogeochemical modeling proposal outlined in his presentation and included in the handout packet). Ben Horenstein noted that he would like to see information about alternatives to the RMP modeling plan that includes pros and cons.

For **item 13** a longer discussion of **State Water Resources Control Board proposed changes to Operator Certification Requirements and potential comments** was postponed due to time constraints, though the ED provided a brief update to the Board in the ED Report and circulated the following website link, where more detailed information on the subject can be found.
http://www.waterboards.ca.gov/water_issues/programs/operator_certification/index.shtml

A discussion of the **Pardee Technical Seminar, agenda item 14**, scheduled for September 4 – 6, 2012 was postponed due to time constraints. The ED will circulate a revised list of potential discussion items to the Board for their feedback.

Under agenda **item 15**, the Board received a **ReNUWIt Update from Joshua Dickinson**. Josh explained that the Engineering Research Center (ERC) for Re-inventing the Nation's Urban Water Infrastructure (ReNUWIt) was established with federal grant funding to look at alternative approaches to urban water infrastructure. Their annual meeting, held on May 21-22, was attended by BACWA representatives, Ben Horenstein and Mike Connor. More information about current projects can be found on their website (<http://urbanwatererc.org/>) and Josh can be contacted using the e-mail address listed on their most recent newsletter, which was included in the meeting handout packet. Josh inquired about partnership opportunities between BACWA and ReNUWIt. Ben Horenstein suggested that new technology aimed at addressing nutrients issues might provide a partnership opportunity and recommended that the first step would be for ReNUWIt to bring a concept paper on sidestream treatment to the BACWA Board for review.

The ED noted that the following topics have been suggested for a potential BACWA member workshop that could be scheduled for the Fall of 2012: CCCSD cogeneration system explosion; SFPUC force main leak; EBMUD AC pipe failures; and ReNUWIt.

The next regular BACWA Board meeting will be held on July 26, 2012 at the EBMUD Treatment Plant Lab Library from 9 a.m. – 12 p.m.

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

July 13, 2012

MEMO TO: Bay Area Clean Water Agencies Executive Board
MEMO FROM: D. Scott Klein, Controller, East Bay Municipal Utility District
SUBJECT: Eleven Month Treasurer's Report

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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, 2011 through May 31, 2012** (eleven months of Fiscal Year 2011-2012). This report covers expenditures, cash receipts, and cash transfers for the following BACWA funds:

- Bay Area Clean Water Agencies (BACWA),
- BACWA Training Fund (Trng Fnd),
- Air Issues and Regulation Group (AIR),
- Bay Area Pollution Prevention Group (BAPPG),
- BACWA Legal Reserve Fund (Legal Rsrv),
- Water Quality Attainment Strategy (WQA CBC),
- BACWA Operating Reserve Fund (BACWAOpRes),
- Regional Water Recycling (RWR),
- BACWA Reserve (Reserve),
- Water/Wastewater Operator Training (WOT),
- Prop84 Bay Area Integrated Regional Water Mgmt (PRP84),
- WQA Emergency Reserve Fund (WQA Emerg),
- WQA Tech Action Fund (TechAction),
- CBC Operating Reserve Fund (CBC OpRsrv), and
- Prop50 Bay Area Integrated Regional Water Mgmt (PRP50)

Fund Balances as of month end 5/31/12

| DESCRIPTION | BEGINNING FUND BALANCE 7/1/11 | TOTAL RECEIPTS | TOTAL DISBURSEMENTS | ENDING FUND BALANCE 5/31/12 | OUTSTANDING ENCUMBRANCES | UNOBLIGATED FUND BALANCE 5/31/12 |
|-------------|-------------------------------------|----------------|------------------------|-----------------------------------|-----------------------------|--|
| BACWA | 493,687 | 592,773 | 395,409 | 691,050 | 167,032 | 524,019 |
| TRNG FND | 251,387 | 1,020 | 5,000 | 247,407 | - | 247,407 |
| AIR | 26,584 | 88,896 | 100,553 | 14,928 | 12,272 | 2,655 |
| BAPPG | 19,711 | 79,675 | 52,085 | 47,301 | 10,907 | 36,394 |
| LEGAL RSRV | 301,664 | 1,235 | - | 302,900 | - | 302,900 |
| WQA CBC | 141,691 | 448,480 | 310,003 | 280,168 | 182,459 | 97,710 |
| BACWAOPRES | 151,785 | 623 | - | 152,408 | - | 152,408 |
| RWR | 16,608 | 68 | - | 16,676 | - | 16,676 |
| RESERVE | 120,000 | - | - | 120,000 | - | 120,000 |
| WOT | 93,270 | 150,392 | 176,000 | 67,662 | - | 67,662 |
| PRP84 | - | 65,045 | 43,944 | 21,101 | 6,663 | 14,437 |
| WQA EMERG | 402,219 | 1,647 | - | 403,866 | - | 403,866 |
| TECHACTION | 251,387 | 1,029 | - | 252,416 | - | 252,416 |
| CBC OPRSRV | 162,899 | 667 | - | 163,566 | - | 163,566 |
| PRP50 | 549,577 | 694,705 | 1,067,984 | 176,298 | 48,197 | 128,100 |
| | 2,982,470 | 2,126,255 | 2,150,979 | 2,957,746 | 427,531 | 2,530,215 |

BACWA Revenue Report for May 2012

| DEPARTMENT | REVENUE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | YEAR TO DATE | | | UNOBLIGATED |
|--------------------------------|----------------------------|----------------|----------------|----------|-----|--------------|----------------|---------------|----------------|
| | | | DIRECT | INVOICED | JVS | DIRECT | INVOICED | JVS | |
| Bay Area Clean Water Agencies | BDO Member Contributions | 450,000 | - | - | - | - | 421,500 | (1,500) | 30,000 |
| Bay Area Clean Water Agencies | BDO Fund Transfers | 25,000 | - | - | - | - | - | 11,395 | 13,605 |
| Bay Area Clean Water Agencies | BDO Interest Income | 5,000 | - | - | - | - | - | 3,128 | 1,872 |
| Bay Area Clean Water Agencies | BDO Assoc.&Affiliate Contr | 162,000 | - | - | - | - | 156,750 | 1,500 | 3,750 |
| BACWA TOTAL | | 642,000 | - | - | - | - | 578,250 | 14,523 | 49,227 |
| BACWA Training Fund | BDO Interest Income | - | - | - | - | - | - | 1,020 | (1,020) |
| TRNG FND TOTAL | | - | - | - | - | - | - | 1,020 | (1,020) |
| AIR-Air Issues&Regulation Grp | BDO Member Contributions | 84,828 | - | - | - | - | 83,754 | 5,000 | (3,926) |
| AIR-Air Issues&Regulation Grp | BDO Interest Income | - | - | - | - | - | - | 142 | (142) |
| AIR TOTAL | | 84,828 | - | - | - | - | 83,754 | 5,142 | (4,068) |
| BAPPG-BayAreaPollutnPreventGrp | BDO Member Contributions | 80,505 | - | - | - | - | 28,759 | 50,746 | 1,000 |
| BAPPG-BayAreaPollutnPreventGrp | BDO Interest Income | 3,079 | - | - | - | - | - | 170 | 2,909 |
| BAPPG TOTAL | | 83,584 | - | - | - | - | 28,759 | 50,916 | 3,909 |
| BACWA Legal Reserve Fnd | BDO Interest Income | - | - | - | - | - | - | 1,235 | (1,235) |
| LEGAL RSRV TOTAL | | - | - | - | - | - | - | 1,235 | (1,235) |
| WQA-WtrQualityAtainmntStratgy | BDO Member Contributions | 450,000 | - | - | - | - | 447,497 | - | 2,503 |
| WQA-WtrQualityAtainmntStratgy | BDO Other Receipts | 114,751 | - | - | - | - | - | - | 114,751 |
| WQA-WtrQualityAtainmntStratgy | BDO Interest Income | 1,600 | - | - | - | - | - | 983 | 617 |
| WQA CBC TOTAL | | 566,351 | - | - | - | - | 447,497 | 983 | 117,871 |
| BACWA OperatingRsrv Fnd | BDO Interest Income | - | - | - | - | - | - | 623 | (623) |
| BACWAOPRES TOTAL | | - | - | - | - | - | - | 623 | (623) |

BACWA Revenue Report for May 2012

| DEPARTMENT | REVENUE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | YEAR TO DATE | | | UNOBLIGATED |
|--------------------------------|--------------------------------|----------------|----------------|----------|-----|--------------|----------|---------|-------------|
| | | | DIRECT | INVOICED | JVS | DIRECT | INVOICED | JVS | |
| Regional Water Recycling | BDO Interest Income | - | - | - | - | - | - | 68 | (68) |
| RWR TOTAL | | - | - | - | - | - | - | 68 | (68) |
| WOT - Wtr/Wwtr Operat Training | BDO Member Contributions | 150,000 | - | 6,000 | - | - | 156,746 | (6,746) | 150,000 |
| WOT - Wtr/Wwtr Operat Training | BDO Interest Income | - | - | - | - | - | - | 392 | (392) |
| WOT TOTAL | | 150,000 | - | 6,000 | - | - | 156,746 | (6,354) | 150,392 |
| Prop84BayAreaIntegRegnlWtrMgmt | BDO Interest Income | - | - | - | - | - | - | 45 | (45) |
| Prop84BayAreaIntegRegnlWtrMgmt | Agency Prefunding Admin Exp | - | - | 14,000 | - | - | 43,500 | 21,500 | (65,000) |
| PRP84 TOTAL | | - | - | 14,000 | - | - | 43,500 | 21,545 | (65,045) |
| WQA Emergency Reserve Fnd | BDO Interest Income | - | - | - | - | - | - | 1,647 | (1,647) |
| WQA EMERG TOTAL | | - | - | - | - | - | - | 1,647 | (1,647) |
| WQA Tech Action Fund | BDO Interest Income | - | - | - | - | - | - | 1,029 | (1,029) |
| TECHACTION TOTAL | | - | - | - | - | - | - | 1,029 | (1,029) |
| CBC Operating Reserve Fnd | BDO Interest Income | - | - | - | - | - | - | 667 | (667) |
| CBC OPRSRV TOTAL | | - | - | - | - | - | - | 667 | (667) |
| Prop50BayAreaIntegRegnlWtrMgmt | BDO Interest Income | - | - | - | - | - | - | 1,374 | (1,374) |
| Prop50BayAreaIntegRegnlWtrMgmt | Grant Administration | - | - | - | - | - | 19,661 | - | (19,661) |
| Prop50BayAreaIntegRegnlWtrMgmt | Contra Costa Regional Interlie | - | - | - | - | - | - | - | - |
| Prop50BayAreaIntegRegnlWtrMgmt | EBMUD Richmond RWP | - | - | - | - | - | - | - | - |
| Prop50BayAreaIntegRegnlWtrMgmt | Pacifica RWP | - | - | - | - | - | 669,960 | - | (669,960) |
| Prop50BayAreaIntegRegnlWtrMgmt | Montara Groundwater Project | - | - | - | - | - | 3,710 | - | (3,710) |
| Prop50BayAreaIntegRegnlWtrMgmt | Alameda Creek Phase 2 Fish | - | - | - | - | - | - | - | - |
| PRP50 TOTAL | | - | - | - | - | - | 693,331 | 1,374 | (694,705) |

BACWA Expense Report for May 2012

| DEPARTMENT | EXPENSE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | YEAR TO DATE | | | JV | OBLIGATED | UNOBLIGATED |
|--------------------------------|--------------------------------|----------------|----------------|---------------|----|----------------|----------------|---------------|---------------|----------------|-----------------|
| | | | ENC | PV | DA | ENC | PV | DA | | | |
| Bay Area Clean Water Agencies | BC-Collections System | 25,000 | - | - | - | 7,336 | 17,664 | - | - | 25,000 | - |
| Bay Area Clean Water Agencies | BC-Permit Committee | 25,000 | - | - | - | 6,867 | 18,133 | - | - | 25,000 | - |
| Bay Area Clean Water Agencies | BC-Water Recycling Committee | 18,000 | - | - | - | 4,026 | 13,744 | - | - | 17,770 | 231 |
| Bay Area Clean Water Agencies | BC-Biosolids Committee | 5,000 | - | - | - | - | - | - | - | - | 5,000 |
| Bay Area Clean Water Agencies | BC-InfoShare Groups | 25,000 | - | - | - | 14,435 | 10,566 | - | - | 25,000 | - |
| Bay Area Clean Water Agencies | BC-Laboratory Committee | 7,000 | - | - | - | - | - | 2,151 | - | 2,151 | 4,849 |
| Bay Area Clean Water Agencies | BC-Miscellaneous Committee Sup | 61,000 | - | - | - | 25,619 | 19,980 | 12,000 | - | 57,599 | 3,401 |
| Bay Area Clean Water Agencies | TS-Media Relations Support | - | - | - | - | - | - | - | - | - | - |
| Bay Area Clean Water Agencies | TS-Consultant Support | - | - | - | - | - | - | - | - | - | - |
| Bay Area Clean Water Agencies | LS-Regulatory Support | 4,000 | - | - | - | 1,520 | 2,480 | - | - | 4,000 | - |
| Bay Area Clean Water Agencies | LS-Executive Board Support | 2,000 | - | - | - | 2,000 | - | - | - | 2,000 | - |
| Bay Area Clean Water Agencies | CAS-CWAA | 10,000 | - | - | - | - | - | 1,000 | - | 1,000 | 9,000 |
| Bay Area Clean Water Agencies | CAS-CPSC | 5,000 | - | - | - | - | - | 5,000 | - | 5,000 | - |
| Bay Area Clean Water Agencies | CAS-PSI | 500 | - | - | - | - | - | - | - | 500 | - |
| Bay Area Clean Water Agencies | CAR-BACWA Annual Report | 15,000 | - | - | - | 433 | 15,467 | 1,052 | - | 16,952 | (1,952) |
| Bay Area Clean Water Agencies | CAR-BACWA Website Development/ | 10,750 | (512) | 512 | - | 4,780 | 4,721 | 1,220 | - | 10,720 | 30 |
| Bay Area Clean Water Agencies | AS-BACWA Admin Expense | 15,000 | - | - | - | - | - | 2,202 | - | 2,202 | 12,798 |
| Bay Area Clean Water Agencies | CAR-Other Communications | 5,000 | - | - | - | - | - | - | - | 5,000 | - |
| Bay Area Clean Water Agencies | SP-BAPPG Contribution | 50,000 | - | - | - | - | - | - | 50,000 | - | - |
| Bay Area Clean Water Agencies | GBS-Contingency | 88,950 | - | - | - | - | - | - | - | 88,950 | - |
| Bay Area Clean Water Agencies | GBS- Meeting Support | 17,000 | (97) | 97 | - | 430 | 570 | 25,000 | - | 25,000 | 63,950 |
| Bay Area Clean Water Agencies | AS-Executive Director | 139,000 | 31,833 | - | - | 69,891 | 101,082 | 8,846 | - | 9,846 | 7,154 |
| Bay Area Clean Water Agencies | AS-Assistant Executive Directo | 70,000 | (4,950) | 4,950 | - | 21,469 | 46,731 | - | - | 170,773 | (31,773) |
| Bay Area Clean Water Agencies | AS-EBMUD Administrative Serv | 40,000 | (13,648) | 13,648 | - | 8,427 | 31,573 | - | - | 68,200 | 1,800 |
| Bay Area Clean Water Agencies | AS-Insurance | 3,800 | - | - | - | - | - | 3,729 | - | 40,000 | - |
| BACWA TOTAL | | 642,000 | 12,826 | 19,207 | - | 167,032 | 282,710 | 62,699 | 50,000 | 562,441 | 79,559 |
| BACWA Training Fund | BDO Fund Transfers | - | - | - | - | - | - | - | - | 5,000 | (5,000) |
| TRNG FND TOTAL | | | | | | | | | 5,000 | 5,000 | |
| AIR-Air Issues&Regulation Grp | Grant Administration | 4,040 | - | - | - | - | - | - | - | 4,040 | - |
| AIR-Air Issues&Regulation Grp | BDO Contract Expenses | 80,790 | - | - | - | 12,272 | 96,013 | 500 | - | 108,785 | (27,995) |
| AIR TOTAL | | 84,830 | - | - | - | 12,272 | 96,013 | 500 | 4,040 | 112,825 | (27,995) |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Fog | 20,800 | - | - | - | 3 | 18,996 | 81 | - | 19,080 | 1,720 |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Mercury | 8,500 | (2,275) | 2,275 | - | 1,057 | 5,983 | - | - | 7,040 | 1,460 |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Pesticides | 10,000 | - | - | - | - | - | 10,000 | - | 10,000 | - |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Copper | 9,000 | (240) | 240 | - | 2,860 | 3,049 | - | - | 5,909 | 3,091 |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Pharmaceutical | 7,499 | - | - | - | - | - | - | - | - | 7,499 |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-General P2 | 1,500 | - | - | - | 80 | 1,420 | - | - | 1,500 | - |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Emerging Issues | 11,000 | - | - | - | 6,908 | 2,000 | 1,900 | - | 3,900 | 4,100 |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Other | 3,815 | - | - | - | - | 4,842 | - | - | 11,749 | (749) |
| BAPPG TOTAL | | 80,114 | (2,515) | 2,515 | - | 10,907 | 36,290 | 11,981 | 3,815 | 62,993 | 17,121 |

BACWA Expense Report for May 2012

| DEPARTMENT | EXPENSE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | YEAR TO DATE | | | OBLIGATED | UNOBLIGATED |
|--------------------------------|--------------------------------|----------------|-----------------|---------------|------------|----------------|----------------|------------------|----------------|--------------------|
| | | | ENC | PV | DA | ENC | PV | DA | | |
| WQA-WtrQualityAttainmntStratgy | WQA-CE- Technical Support | 344,934 | (24,138) | 34,038 | - | 164,417 | 139,296 | 9,999 | 313,713 | 31,221 |
| WQA-WtrQualityAttainmntStratgy | WQA-CE-Collaborations & Sponso | 90,000 | - | - | - | - | - | 98,750 | 98,750 | (8,750) |
| WQA-WtrQualityAttainmntStratgy | WQA-CE-Commun. & Reporting | 47,000 | - | - | - | 16,487 | 30,513 | - | 46,999 | 1 |
| WQA-WtrQualityAttainmntStratgy | WQA-CE-Other | 100,000 | - | - | - | 1,555 | 21,446 | 10,000 | 33,001 | 66,999 |
| WQA CBC TOTAL | | 581,934 | (24,138) | 34,038 | - | 182,459 | 191,254 | 118,749 | 492,462 | 89,472 |
| WOT - WtrWwtr Operat Training | Grant Administration | 2,500 | - | - | - | - | - | - | 2,500 | - |
| WOT - WtrWwtr Operat Training | BDO Contract Expenses | 140,000 | - | - | - | - | - | 173,500 | 173,500 | (33,500) |
| WOT TOTAL | | 142,500 | - | - | - | - | - | 173,500 | 176,000 | (33,500) |
| Prop84BayAreaIntegRegnIWtrMgmt | Grant Administration | - | (5,010) | 5,010 | 608 | 6,663 | 43,337 | 608 | 50,608 | (50,608) |
| PRP84 TOTAL | | - | (5,010) | 5,010 | 608 | 6,663 | 43,337 | 608 | 50,608 | (50,608) |
| Prop50BayAreaIntegRegnIWtrMgmt | BDO Fund Transfers | - | - | - | - | - | - | - | 21,500 | (21,500) |
| Prop50BayAreaIntegRegnIWtrMgmt | Grant Administration | - | (45) | 45 | 89 | 1,461 | 539 | 455 | 3,495 | (3,495) |
| Prop50BayAreaIntegRegnIWtrMgmt | BDO Contract Expenses | - | - | - | - | 46,736 | 18,576 | - | 65,312 | (65,312) |
| Prop50BayAreaIntegRegnIWtrMgmt | Contra Costa Regional Intertie | - | - | - | - | - | - | 50,000 | 50,000 | (50,000) |
| Prop50BayAreaIntegRegnIWtrMgmt | Regional Conservation | - | - | - | - | - | - | 18,500 | 18,500 | (18,500) |
| Prop50BayAreaIntegRegnIWtrMgmt | EBMUD Richmond RWP | - | - | - | - | - | - | 212,760 | 212,760 | (212,760) |
| Prop50BayAreaIntegRegnIWtrMgmt | South Bay Advanced Regional RW | - | - | - | - | - | - | 5,786 | 5,786 | (5,786) |
| Prop50BayAreaIntegRegnIWtrMgmt | Pacifica RWP | - | - | - | - | - | - | 673,117 | 673,117 | (673,117) |
| Prop50BayAreaIntegRegnIWtrMgmt | Montara Groundwater Project | - | - | - | - | - | - | 5,241 | 5,241 | (5,241) |
| Prop50BayAreaIntegRegnIWtrMgmt | Alameda Creek Phase 2 Fish | - | - | - | - | - | - | 60,469 | 60,469 | (60,469) |
| PRP50 TOTAL | | - | (45) | 45 | 89 | 48,197 | 19,115 | 1,026,329 | 22,540 | (1,116,182) |



EXECUTIVE BOARD AUTHORIZATION REQUEST

AGENDA NO.: 3

FILE NO.: 12,381

MEETING DATE: July 26, 2012

TITLE: BACWA Executive Board Approval to Amend Agreement with EPC

☒ MOTION _____ ☐ RESOLUTION _____

RECOMMENDED ACTION

Authorize Amendment 1 to the EPC Consultants, Inc. (EPC) agreement for Recycled Water Committee support to extend the termination date to December 30, 2012.

SUMMARY

This amendment will allow additional time for EPC to complete all work necessary to prepare the final report on BACWA agencies recycled water use and uses. The report is currently in draft form.

FISCAL IMPACT

There is no fiscal impact since this amendment is only authorizing a time extension to the current contract.

ALTERNATIVES

No other alternatives were considered as the terms of this contract are consistent with BACWA contracting policies.

Attachments:

None.



EXECUTIVE BOARD AUTHORIZATION REQUEST

AGENDA NO.: 4

FILE NO.: 12,785

MEETING DATE: July 26, 2012

TITLE: BACWA Executive Board Approval to Execute Agreement with Stephanie Hughes for BAPPG Copper, Mercury and Pharmaceuticals Outreach Support

☒ MOTION _____ ☐ RESOLUTION _____

RECOMMENDED ACTION

Authorize the execution of a contract with Stephanie Hughes for BAPPG Copper and Mercury Outreach support in an amount not to exceed \$16,000 for fiscal year 2012-13.

SUMMARY

This contract will provide support for the Bay Area Pollution Prevention Group to continue training and outreach efforts to reduce dental mercury and copper plumbing discharges to Bay Area POTWs. Last year, Stephanie Hughes provided similar support to BAPPG. New for this year is the addition of outreach on the proper disposal of unwanted pharmaceuticals to nursing schools, continuing adult education programs and hospice education programs.

This focus of this year's mercury efforts will be to continue providing presentations to Bay Area community college dental assistant/hygienist schools during the 2012/13 school year on mercury pollution prevention at dental facilities. Copper outreach work will include coordination of presentations to the Bay Area plumbing unions, community colleges, and/or local building inspector associations on practices to reduce copper discharges.

Dental mercury outreach efforts will be carried out under the supervision of Melody LaBella of CCCSD. Copper plumbing outreach will be under the supervision of Meg Gale of SF Public Utilities Commission and nursing outreach will be under the supervision of Karin North of the City of Palo Alto.

FISCAL IMPACT

Funds are available for this agreement and have been allocated for this project in the approved BAPPG FY 2012-13 budget.

ALTERNATIVES

No other alternatives were considered as the terms of this contract is consistent with BACWA contracting policies.

Attachments:

Exhibit A: Scope of Work & Cost Estimate for 2012-13 Agreement with Stephanie Hughes, File No. 12,785

EXHIBIT A - SCOPE OF WORK & RATE/REIMBURSABLE EXPENSES



STEPHANIE HUGHES, ChE P.E.
Consulting Engineer / University Lecturer

1445 Emory Street, San Jose, California 95126

CLIENT: BAPPG
PROJECT: Public Outreach
(Year 4 for Dental Hg and Cu plumbing; Year 1 of Pharma)

DATE: 13-Jul-2012
PROJECT # BACWA-09
FOR: FY12/13 Public Outreach

| SCOPE OF WORK DESCRIPTION | BUDGET | | TOTAL |
|--|--------------|-----------------|--------------------|
| General Scope: conduct public outreach to professionals - focus on dental mercury, pharmaceutical disposal, and copper plumbing. | Rate: | \$165.00 | |
| | ODC | Hour Est | |
| TASK 1. Medical/Dental Training Programs | | | |
| Task 1.1. Prepare Materials and Update Database. Work with Karin North to obtain pharma presentation materials. Reach out to local training programs to schedule presentations. Seek support from on-going dental contacts to provide contacts at companion nursing departments. Provide annual update to BAPPG Project Manager regarding date of presentation, and number of attendees. (In addition, monthly updates to be embedded in monthly invoices.) | | 24.0 | \$3,960.00 |
| Task 1.2. Outreach to Community College, Dentist Schools, and Continuing Adult Education Programs. This scope assumes up to a total of 12 presentations. ODC is mileage at \$0.555/mile. | \$ 494 | 30.0 | \$5,444.00 |
| Task 1.3. Outreach regarding EDCs and pharmaceutical disposal to Nursing Schools, and Continuing Adult Education, and Hospice Education Programs. This scope assumes up to a total of 8 presentations. ODC is mileage at \$0.555/mile. | \$ 201 | 20.0 | \$3,501.00 |
| TASK 2. Copper Outreach Programs | | | |
| Task 2.1. Outreach Strategy and Materials * Reach out to unions, building inspector groups and plumbing owner/contractor groups. * Mail complementary hardcopy of the brochure to current union/professional development group contacts. Offer to provide additional hard copies of the new brochure and ask that the websites include the PDF. | | 8.0 | \$1,320.00 |
| Task 2.2. Outreach to Bay Area Plumber Unions and Community College Plumbing / Green Building Programs. Coordinate trainings at up to 4 Bay Area plumbing unions or community colleges and/or with building inspector associations. One training could be at BAPPG meeting to train members, so they can reach out to their own service-area bldg inspectors. ODC is mileage at \$0.555/mile. | \$125 | 10.0 | \$1,775.00 |
| Totals | \$820 | 92.0 | \$16,000.00 |

NOTES:

This scope assumes that all handouts will be printed by a BAPPG member.

ODC for parking, bridge tolls and estimated mileage.

This work is expected to begin in July 2012 and completed by June 30, 2013.

As feasible, will seek to conduct dental and nursing programs at a single school in one day, reducing costs.



Report to BACWA Board from AIR Committee (July 2012)

| | |
|---|---|
| Document Control | Prepared by Divya Bhargava (Project Engineer) and Randy Schmidt (Committee Vice Chair) Reviewed by Nohemy Revilla (Committee Chair) and Jim Sandoval (Project Manager) |
| Committee Request for Board Action | None at this time. |
| Committee Agenda Items | None at this time. |

Recent Committee Actions:

| | |
|---------------------------------|--|
| Recent Committee Actions | <ul style="list-style-type: none"> BACWA AIR has begun the next phase of the AIR Committee (Phase 26). The FY 11/12 was very successful for AIR and we are looking forward to another good year. 14 member agencies have committed to Phase 26 of BACWA AIR. San Bruno/S. San Francisco dropped out this year, so our budget is \$5400 short of last year's. |
| AIR Website | http://bacwa.org/Committees/AirIssuesRegulations.aspx |

News and Updates:

| | |
|-----------------------------------|---|
| EPA's NAAQS Updated for PM | <ul style="list-style-type: none"> On June 14, 2012, the USEPA proposed to strengthen the National Ambient Air Quality Standards (NAAQS) for fine particle pollution, also known as fine particulate matter (PM_{2.5}). Details of the proposed new fine particle limits can be found at: http://www.epa.gov/pm/actions.html. The EPA rule sets a new NAAQS for PM_{2.5}, but not emission limits for individual sources. It is up to BAAQMD to develop the emission limits for individual sources so the region will meet the NAAQS. As a result on the pending NAAQS for PM_{2.5}, BAAQMD is now regulating PM_{2.5} as a criterion pollutant. When BAAQMD revises there NSR, PSD, and PM_{2.5} rules this summer, any new source with PM_{2.5} emissions over 10 lbs./day will have to install Best Available Control Technology (BACT) for PM_{2.5}. Regulations on existing sources will follow over the next 5 years or so. <ul style="list-style-type: none"> For example, the PM_{2.5} emissions from Central Contra Costa Sanitary District's (CCCSD) existing Multiple Hearth Furnace (MHF) is greater than the 10 lb./day BACT trigger. Because CCCSD's MHFs are an existing source, the BACT requirement does not currently apply to existing sources. As BAAQMD develops PM_{2.5} emission limits for existing sources of PM_{2.5}, any existing source with PM_{2.5} emissions above the new source BACT trigger of 10 lbs/day is likely to get a new PM_{2.5} emission limit. Please see the attached memo written by AIR Vice Chair Randy Schmidt that provides further background. |
| For more information | http://www.epa.gov/pm/actions.html |

Next AIR Committee Meeting: Wednesday, August 15, 2012
Venue: CH2M HILL Office, Oakland

**Report to BACWA Board from AIR Committee
(July 2012)**

**NATIONAL AMBIENT AIR QUALITY STANDARD (NAAQS)
PARTICULATE MATTER < 2.5 MICRONS IN DIAMETER (PM_{2.5})
JULY 16, 2012
BY RANDY SCHMIDT**

The existing State and National Ambient Air Quality Standards (NAAQS) for particulate matter < 10 microns in diameter (PM₁₀), for fine particulate matter < 2.5 microns in diameter (PM_{2.5}), and the Bay Area Air Quality Management District (BAAQMD) attainment status are summarized below:

| | 24-hour | National AAQS | Bay Area Status | State AAQS | Bay Area Status |
|-------------------|-------------|-----------------------|-----------------|----------------------|-----------------|
| PM ₁₀ | 24-hour avg | 150 µg/m ³ | Attainment | 50 µg/m ³ | Non-attainment |
| | Annual avg | No std | | 20 µg/m ³ | Non-attainment |
| PM _{2.5} | 24-hour avg | 35 µg/m ³ | Non-attainment | No std | |
| | Annual avg | 15 µg/m ³ | Attainment | 12 µg/m ³ | Non-attainment |

As shown in the above table, there are state and national standards for PM₁₀ and PM_{2.5}. If an air basin does not meet an Ambient Air Quality Standard (AAQS), the air basin is designated non-attainment for that particular standard. Though the California State AAQS tend to be stricter than the NAAQS, there is more flexibility in both time and methods for meeting the California State AAQS than there is for the NAAQS.

The Bay Area Air Quality Management District (BAAQMD) is responsible for meeting both the State AAQS and NAAQS. The Bay Area does not meet any of the State AAQS for PM_{2.5} or PM₁₀ and is designated as a non-attainment area. The BAAQMD is responsible for developing and implementing strategies to meet the State AAQS. As noted earlier, BAAQMD has flexibility in time and methods to meet the State AAQS.

The Bay Area meets the NAAQS for 24-hour PM₁₀ and annual PM_{2.5}, but not for 24-hour PM_{2.5}. In February of 2012, the BAAQMD held a public workshop to regulate 24-hour PM_{2.5} as a criterion pollutant because of the non-attainment status of the NAAQS. BAAQMD is actively working on revisions to their rules to meet the 24-hour PM_{2.5} NAAQS. These rule revisions are targeted for adoption in the summer of 2012.

The recent USEPA proposal to lower the Annual PM_{2.5} NAAQS from 15 to 12 µg/m³ would make the Bay Area non-attainment for the Annual PM_{2.5} NAAQS. Since BAAQMD is already in the rule making process for the 24-hour PM_{2.5} NAAQS, it is not difficult to include the Annual PM_{2.5} NAAQS in the rule making process. This change in the Annual PM_{2.5} NAAQS will have the most impact on existing sources of PM_{2.5}. New or Modified sources of PM_{2.5} will already be required to have the Best Available Control Technology (BACT) for PM_{2.5}. Many existing sources of PM_{2.5} would have to install additional air pollution control equipment for the Bay Area to be in attainment by the USEPA deadline of 2020. The current BACT for PM_{2.5} is a state-of-the-art wet scrubber (i.e. the multi-venturi condensing scrubber) combined with a wet electrostatic precipitator (WESP). Any new or modified source with PM_{2.5} emissions greater than 10 pounds per day, must install BACT.

Report to BACWA Board from AIR Committee (July 2012)

BAAQMD has approximately 8 years to come into attainment for the annual and 24-hour PM_{2.5} NAAQS. BAAQMD rulemaking for existing sources usually takes about 3 years with an additional 5 year compliance schedule for a total of 8 years. If BAAQMD follows their normal rule making schedule, existing sources with PM_{2.5} emissions < 10 lbs/day would need to install BACT for PM_{2.5} sometime around 2017. Bay Area Clean Water Agencies (BACWA) members should check their plants for sources of PM_{2.5} which could include baghouses, odor scrubbers, and diesel fueled engines. If the PM_{2.5} emissions are over 10 lbs/day, BACT for PM_{2.5} will have to be installed on those sources sometime in the next 5+ years.

Biosolids Committee

Report to BACWA Board

Committee Meeting Date: July 12, 2012
Executive Board Meeting Date: July 26, 2012

Prepared By : Matt Krupp, Committee Chair

Committee Request for Board Action:

Request comments on the draft BACWA Biosolids. The Factsheet is designed to provide a concise summary of the biosolids disposal/reuse practices in the Bay Area for consistent messaging throughout the region on the benefits of the different options and the challenges facing POTWs. The Factsheet is intended to be a quick reference guide for public information officers, management, and elected officials. The Factsheet may also be used by interested public, and it contains links to find more detailed information. We are not planning to distribute hard copies of the Factsheet. It will be made available by download through the BACWA website. Please provide comments directly to Matt Krupp, BACWA Biosolids Chair, at matthew.krupp@cityofpaloalto.org or 650-496-5958 by August 10.

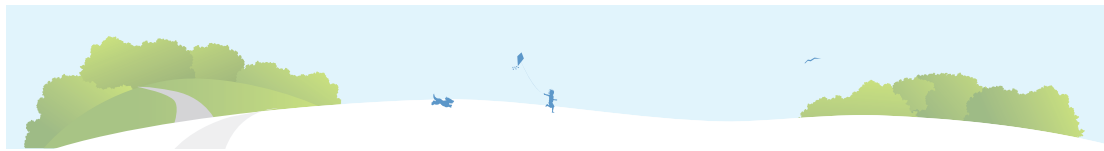
Business Discussed and Action Items from Committee Meeting:

| Business | Action Item | Due Date |
|---|--|------------------------|
| <u>Biosolids Factsheet</u> Biosolids use Factsheet redesigned by CirclePoint under contract. | New draft completed, under review by committee and executive board | <u>August 10, 2012</u> |

Other Issues of Note:

- Held a successful tour of the Santa Rosa Biosolids Composting facility on May 9, 2012, which was led by Zachary Kay, BACWA Biosolids Vice-Chair and Biosolids Manager for the City of Santa Rosa. Around 25 wastewater professionals attended from agencies around the region.
- The committee now meets quarterly with every other meeting combined with the Tri-TAC Land Committee meetings in the Bay Area. This has increased attendance and provided a single forum for statewide and regional updates.
- Committee discussed the approach to the Solano County Ordinance. Draft ordinance will be reviewed by the Board of Supervisors in August 7, and voted on August 28.
- BAB2E added two new agencies, City of Santa Rosa and City of San Jose, and is now reviewing the 10 SOQs received from the recent technology RFQ

Next Committee Meeting: Tentative: October 10, 2012. Location TBD.



BAY AREA BIOSOLIDS

A NATURAL RESOURCE

What Are Biosolids?

Biosolids are nutrient-rich organic materials that come from the community's sewage and are treated in wastewater treatment facilities. Biosolids are a valuable resource that can be used as a fertilizer, soil amendment, landfill cover, or in energy generation. Federal, state and local regulatory agencies tightly regulate their treatment and ensure proper application of their reuse and disposal. BACWA member agencies use management practices of biosolids that are cost efficient, environmentally sound and sustainable.

Types Of Biosolids

There are two classes of biosolids that are defined by levels of pathogens, such as certain bacteria, viruses and parasites (Clean Water Act, Title 40 of the Code of Federal Regulations, Part 503):

- **CLASS A** biosolids contain undetectable levels for essentially all pathogens and are used as fertilizers or soil amendments with buffer requirements. Biosolids that meet the most stringent EPA Exceptional Quality (EQ) requirements for 9 regulated pollutants (from arsenic to zinc), are safe for unregulated use. No site controls are needed when Class A EQ biosolids are used as fertilizers or soil amendments, and they can be distributed to farmers and the general public (e.g. for use in community gardens).
- **CLASS B** biosolids may have low levels of pathogens which rapidly die off when applied to soils, and are equally as safe as Class A biosolids when specified management practices are followed.



Processed biosolids can be used in a number of different and beneficial ways.

Ensuring Biosolids are Safe for the Community

Biosolids are tightly regulated by the Environmental Protection Agency, the California Department of Health Services, San Francisco Bay Regional Water Quality Control Boards, CalRecycle, and the Bay Area Air Quality Management District. For more information visit water.epa.gov/polwaste/wastewater/treatment/biosolids/index.cfm

Below are contaminants that are monitored by regulatory agencies:

PATHOGENS are not found in Class A biosolids. Class B biosolids may have low levels of pathogens that rapidly die off when applied to soils.

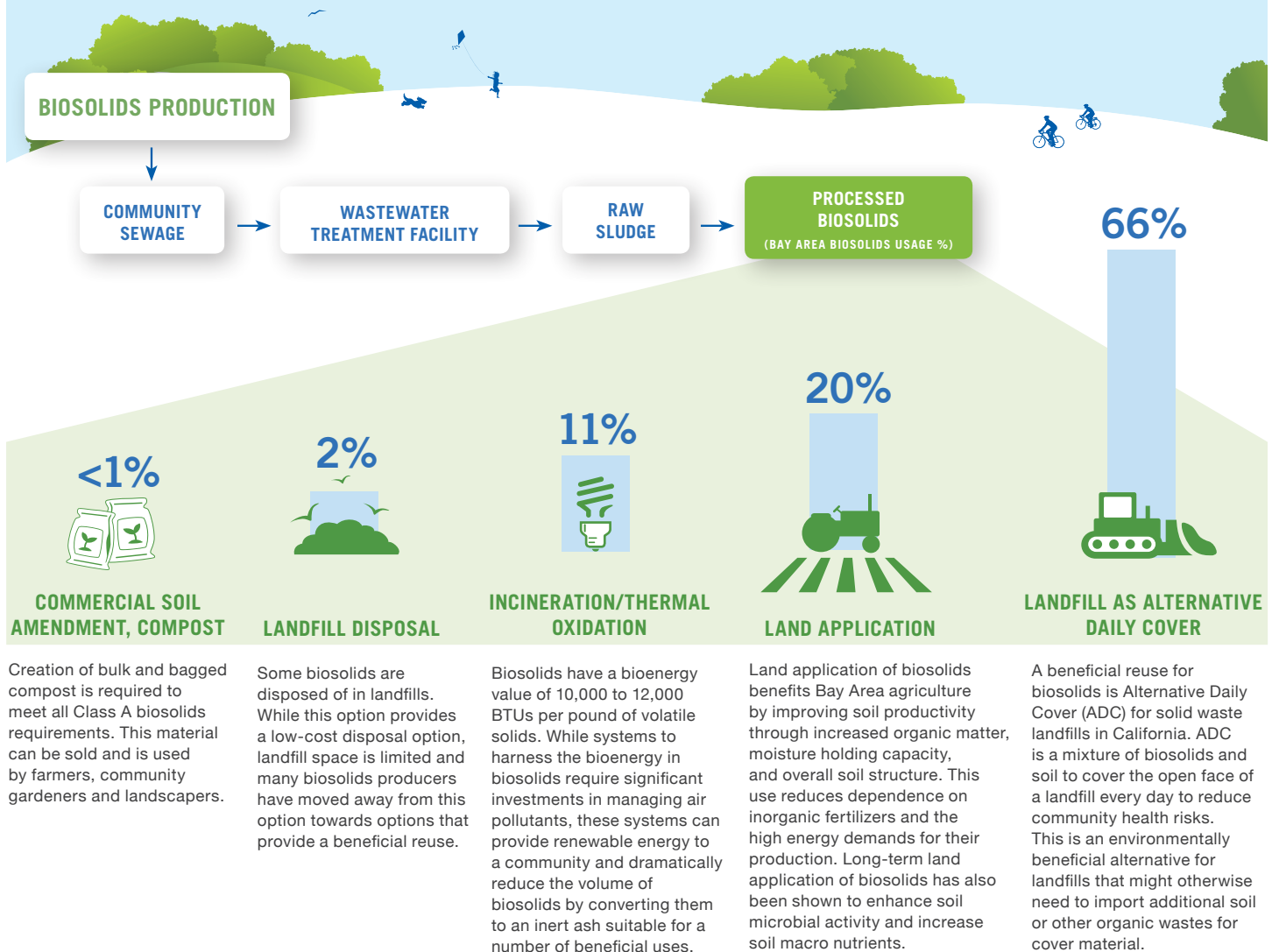
METALS such as nickel, zinc and copper can be found in biosolids. All wastewater treatment plants have extensive pretreatment and monitoring requirements for industrial and commercial facilities so that metals and other pollutants are reduced or removed before the wastewater is discharged to the treatment plant. Any metals remaining in the Class A and Class B biosolids are below the thresholds set by the EPA and not a risk to human health or the environment when properly used.

CONTAMINANTS OF EMERGING CONCERN (CECS) are chemicals found in biosolids from sources such as pharmaceuticals and personal care products. Many CECs rapidly oxidize in soil and breakdown into innocuous compounds. Wastewater treatment plants in collaboration with the US EPA and the Water Environment Research Foundation have been conducting research on CECs as they relate to biosolids to better understand what is in the biosolids and whether there is any risk to human health or the environment. More information can be found at www.kingcounty.gov/environment/wastewater/Biosolids/BiosolidsRecyclingProjects/Research.aspx

IMPACTS TO GROUNDWATER are minimized by proper management practices which are required by operating permits. These practices include ensuring proper application levels, maintaining buffer zones between application areas and surface water, and following soil conservation practices. In addition, the organic forms of nutrients in biosolids are less water soluble than chemical fertilizers and less likely to leach into groundwater or run off into surface water.

Reusing Biosolids to Benefit the Community

Because of the climate in Northern California and the desire to reduce greenhouse gas emissions, Bay Area biosolids producers recycle biosolids in a number of different and beneficial ways.



What are the future opportunities for using Biosolids?

BENEFICIAL REUSE Continuing to use biosolids as a soil amendment provides the opportunity to utilize valuable nutrients, including phosphorous of which supplies are becoming more and more limited.

RESOURCE RECOVERY - Bay Area Biosolids to Energy Eighteen San Francisco Bay Area agencies, representing 3.5 million residents, have come together to explore opportunities to diversify biosolids management options with the development of a regional facility that will use biosolids and other biofuels to generate renewable energy. For more information visit www.bayareabiosolids.com/



Land application operations improve soil productivity through increased organic matter, moisture holding capacity, and overall soil structure.

Report to BACWA Board

Committee Request for Board Action: None**Highlights of New Items Discussed and Action Items****Large Force Main Condition Assessment**

Derek Wurst, P.E., of V&A Consulting Engineers, gave a presentation on conducting condition assessment of large diameter force mains at the July 12 Collection Systems Committee meeting. Force mains often present unique challenges for condition assessment, due to the variety of designs and materials, operating conditions, and environmental exposure. For this reason, Derek suggested that it is important not to latch on to one technique or technology for the assessment of all force mains, but to address each case independently and allow for an iterative process, following up on initial findings as is most appropriate. Standard condition assessment tools (e.g., CCTV) may be used if it is possible to temporarily shut down the force main. Derek also presented a number of non-intrusive techniques that may be used if the force main cannot be shut down, accessed, or dewatered. These techniques include c-factor testing (a test of the internal pipe roughness based on flow rates and pump pressure information), acoustic testing (listening for leaks using Smart Ball-type technology), testing wastewater sulfide concentrations (to determine the potential for corrosion in the pipe), radiography and ultrasonic technologies (that measure pipe thickness), broadband electromagnetic technology (measuring variations in pipe wall thickness), and testing the corrosivity of surrounding soils. The presentation will be posted on the BACWA Collection Systems Committee webpage.

US EPA Review of Dichlobenil

Kelly Moran, of TDC Environmental, also attended the July 12 Committee meeting to discuss the proposed content of a BACWA/Tri-TAC letter to US EPA on the scope of the upcoming review of dichlobenil, a root control pesticide that is an ingredient in commonly-used products such as RootX and Sanafoam. Committee members agreed on two recommendations for the EPA: (1) include in the review a thorough investigation of potential risks to worker safety related to exposure (especially during application of the product); and (2) focus on mitigating any issues of concern if possible rather than banning the product, considering the importance of having multiple effective options for root control.

Changes to SSS WDR Monitoring and Reporting Program Update

The State Water Board's planned amendments to the Monitoring and Reporting Program (MRP) for the Sanitary Sewer System Waste Discharge Requirements (SSS WDR) are now targeted for a final approval date of November 2012. Draft revisions to the MRP are expected to be released within the next month for review.

PG&E Cross-Bore Program Customer Notification Update

Recent follow-up communications with Frontline Energy Services (FES) (the company that has been working with PG&E on a cross-bore elimination program), have revealed that customers in many collection system agency service areas included on an initial list of addresses with potential cross-bores have yet to be notified. This list was distributed to the Committee in January 2012. These agencies may want to investigate the option of coordinating a local outreach program as soon as possible to reduce potential liability. FES also requested copies of agency GIS files to assist them in expediting their work.

Upcoming Conferences and Meetings

There are several upcoming collection system-related events, including:

- July 20-21 – CWEA State Collection Systems Committee Mid-Summer Meeting in Morro Bay: http://www.cwea.org/sarbs/pdfs/2012_MidSummerMtg_Flyer.pdf
- August 1 – Abstracts are due for the June 2013 Water Environment Federation (WEF) Collection Systems Specialty Conference in Sacramento: <http://www.wef.org/collectionsystems/> (our backyard!)
- October 23 – The 2012 Be Sewer Smart Summit will be held in Oakland: <http://www.sewersmart.org/>

Next BACWA Collection Systems Committee Meeting

Our next meeting will be held on Thursday, September 13, 2012, from 1:30 – 3:00 PM at the Boy Scouts Facility in San Leandro. There will not be a meeting in August.

Permits Committee –
Report to BACWA Board

Reporting Date: 7/16/12
Executive Board Meeting Date: 7/26/12
Committee Chair: Jim Ervin

Committee Request for Board Action: None.

Adoption of Permits/Permit Amendments –

Aug – Pinole-Hercules WPCP, Sewer Authority Mid-Coastside (SAM)

SAM Permit: The SAM Tentative Order does not appear to follow dilution guidance in the Ocean Plan. Assuming zero current velocity, the SAM initial dilution is 79:1, however, if the lower 10th percentile current velocity of 11.5 cm/s is considered, the SAM calculated dilution jumps to 550:1. BACWA is concerned that Region 2 Water Board does not provide full dilution allowance and sets rules that seem to vary by permit. This draft permit directly affects 3 other ocean dischargers in Region 2: SFPUC, Daily City, and North San Mateo County. SFPUC is performing a dilution study in advance of CIP decisions. Agencies must know how dilution will be factored in future permits. The period for written comment on the SAM permit is closed, however, SFPUC, Laura Pagano, is considering providing oral comment at the Board Hearing in August.

Sac Regional Permit: Overall, the Sac Regional permit imposes permit limits and requirements to improve treatment infrastructure that appear to have been developed independent of accepted regulatory guidance, and based on preliminary data from an unpublished study. BACWA submitted written comment on 15 June. BACWA comment on rule making. The BACWA comment letter was sent to Permits Committee. Jim Kelly will attend the State Board hearing on 18 July to provide oral comment regarding: denial of a mixing zone based on far field toxicity, and use of non-peer reviewed or non finalized scientific studies regarding ammonia toxicity. CASA is also planning to comment on the determination of the REC 1 standard.

Residual Chlorine Meters: Permits Committee is considering two options to address compliance with the chlorine water quality objective of 0.0 while recognizing an on-line continuous meter detection limit.

Option 1: All dischargers could perform continuous meter MDL studies. This would be time consuming and somewhat fruitless. EBMUD performed a study in 2010 that determined an MDL of 0.2 mg/l. To perform the study, a known concentration of chlorine in effluent must be stabilized, pumped through the continuous meter, and multiple readings taken. Ultimately, we already know that meter readings can vary depending on day-by-day calibration, changes to effluent quality, and many other factors. Biological sensitivity to free chlorine starts at around 0.1 mg/l, therefore, a meter reading at or above 0.1 mg/l would be a concern and reportable, regardless of the actual MDL.

Option 2: BACWA could update the 2004 chlorine meter agreement letter to Water Board by arbitrarily establishing a continuous meter MDL of 0.05 mg/l. Per EPA guidance, a 0.05 result would round down to 0. Any reading above 0.05 rounds up to 0.1 mg/l and would be reportable and a potential violation in absence of other information indicating that the reading was false. This policy would be protective since 0.05 mg/l free chlorine is well below the toxic threshold. The current draft permit for Pinole has language that allows continuous readings of 0.05 to be considered “non detect.” A 2008 State Board study of on-line chlorine meters was never completed, but that study determined that no residual chlorine meter can reliably report at or below 0.03 mg/l. The draft study also indicated that a reporting frequency of 5 minutes was appropriate given the response time of these instruments.

Jim Ervin contacted State Board staff for copy of their chlorine meter study. Jim will draft a BACWA chlorine compliance strategy letter that proposes a blanket MDL of 0.05 mg/l and minimum reporting frequency of 5 minutes.

Nutrients 13267: Final approval of the BACWA Nutrient 13267 Sampling and Analysis Plan was emailed by Tong Yin on 3 July. This final approval allowed dischargers to measure Total Reactive Phosphorous in influent vice Dissolved Reactive Phosphorous in light of the difficulty in filtering raw sewage.

On 2 July Permits committee chair spoke with Water Board Staff and David Sen and Christina Grosso at SFEI regarding the Nutrient 13267 data template for reporting. Water Board and SFEI staff recommended some minor changes to the excel spreadsheets, but otherwise accepted the format for the time being.

The first monthly / bi-monthly sampling event for all dischargers occurred early in July. The first nutrient 13267 report is due to Water Board in October.

Toxicity Policy: Comments on the new draft State Wide Toxicity Policy are due 21 August. CASA held a phone conference on 9 July to organize development of comments. BACWA held a phone conference on 13 July. Amy Chastain was asked to coordinate a meeting of BACWA reps with new State Board member Steve Moore to discuss

BACWA concerns with the draft policy. The meeting will take place on July 31 at 2:30. Lorien Fono is coordinating a meeting between BACWA and Felicia Marcus.

Toxicity Workgroup: A fourth Toxicity Workshop is tentatively planned as a visit to PERL Labs in July. Jim Ervin will send out a Generic TRE Workplan template for group consideration.

PCBs Reporting and Watershed Permit: Robert Schlipf requested agencies submit Method 1668 PCBs data in Excel format by 2 July. Lorien, Narmella Arsem, and Jim Ervin will meet on 17 July to discuss PCBs data and reporting rules in anticipation of data questions or recommendations from Robert.

The combined Mercury and PCBs Watershed Permit is due for reissuance in December 2012. Both Lila Tang and Robert Schlipf have now invited BACWA representatives to provide suggested PCBs P2 language that could be incorporated in the Watershed Permit reissuance. Robert will issue an Admin Draft version of the permit in August.

Jim Ervin sent a red-line/strike-out suggested version of relevant permit language to several BACWA Permits Committee members for review on 16 July. The goal is to submit BACWA recommended Watershed Permit language to Robert by early August.

Next BACWA Permits Committee Meeting: Tuesday, August 14th, 2012, at EBMUD Plant Library.



Director's Report to the Board

June 22, 2012-July 20, 2012

Prepared for the July 26, 2012 Executive Board Meeting

STARTUP: Now have access BACWA's electronic files on Box.net cloud storage; working to learn system.

NUTRIENT 13267 LETTER: Worked out last details with Jim Ervin, Permit Committee Chair taking a lead role and RB2 forwarded their approval letter; all sampling plans resubmitted based on the agreement. Reporting template developed by Jim Ervin is the current proposed submittal process. SEFI has budget to analyze the first two submittals, although the scope of their analysis is not clear at this time. It would be appropriate to discuss BACWA's ongoing role in the upcoming nutrient workshop.

SUISUN BAY/SWAMP STUDY: Attended meeting and follow-up phone call. Initial results of the 2012 SWAMP Study were presented, and will be briefly discussed at this Board meeting. Discussed proposed studies for 2013 and SFEI studies that address CCCSD's permit requirements. Participated in a vigorous email string discussing results of 2012 study and need for follow-up studies.

NUTRIENT STRATEGY: Many conversations with D. Senn, RWQCB staff, and BACWA members about strategy, project management, governance, next steps and funding.

RWQCB/BACWA MEETING: Working to set up meeting a meeting in August.

ANNUAL PARDEE TECHNICAL SEMINAR: Date set as September 4th through 6th. Agenda is being prepared.

REGULATORY PROGRAM MANAGER (RPM): See RPM report that will be forwarded to the Board before the Board Meeting.

SACRAMENTO REGIONAL NEW DRAFT NPDES PERMIT: Attended July 18th SWRCB Workshop and gave oral testimony; thanks to all those who provided input and guidance. A summary of July 18th SWRCB Workshop will be forwarded to the Board before the Board Meeting.

DRAFT POLICY FOR TOXICITY ASSESSMENT AND CONTROL: See RPM's report for more information. Initiated collaboration with WSPA on TST; they identified increased cost of testing as one of their key concerns, along with the impacts of TST on flow through acute bioassay. Based on a preliminary analysis, it appears the TST might significantly increase RB2 Permittees cost; The ED engaged RMC to prepare an estimate of the cost of TST for chronic testing and to the extent possible acute toxicity.

MEETINGS ATTENDED: Permits Committee, Collection System Committee, Ops Committee (scheduled), RMP Modeling Strategy Group, BAPPG, Nutrient Strategy SAG, RWQCB/BACWA Meeting, RWQCB Meeting.

BIOSOLIDS FACT SHEET: Continued to work with the Biosolids Committee Chair to revise the draft biosolids fact sheet.

STATE BOARD PROPOSED REVISION TO OPERATOR TRAINING REQUIREMENTS: Working with the Operations Info Share Group, Mike Barnes, and Principal's representatives to determine whether to submit comments. The first drafts place a lot of emphasis on direct operation experience.

TECHNOLOGY RESEARCH & DEVELOPMENT: See attached email-Isle Utilities has reached an accord with WERF they are not duplicating efforts. Representatives from Isle will be in CA the week of September 24th, and have offered to either come to the Board meeting or meet with agency representatives individually. The next TAG meeting in California is tentatively scheduled for November 26th. Isle has offered to support BACWA representatives attending that meeting and allowing BAWCA representatives to have access to the Isle website to learn more processes that have been presented. Isle is also in the process establishing a California office recruiting staff.

MISCELLANEOUS:

- Reviewed proposal to SFEI by Dr. David Baldwin on Cu toxicity of Salmonoid Olfactory nerve.
- Answered miscellaneous questions of from the public.
- Answered info request regarding what percent of Suisun Bay water is filtered by clams each day.
- AED and TED met with EBMUD accounting to ensure smooth start of fiscal year.
- RPM and TED participated in developing presentation to Oregon AWCA.
- Reviewed Attached comment letter from Baykeeper regarding SBDA tentative order.
- Reviewed minutes for SAG for SF Bay Fish Project Quarterly Meeting.
- Reviewed Power Point of SAG for Sport Fish Bioassay meeting.

NEXT MONTH

FOLLOWUP ON SACRAMENTO REGIONAL PERMIT WORKSHOP: Discuss with fellow agencies regarding followup.

SUISUN BAY ISSUES: Follow-up on July 2, 2012 Meeting; support north Bay POTW's.

RWQCB/ BACWA JOINT MEETINGS: Set up RWQCB/BACWA Meeting Schedule for August.

BAPPG: Follow up on flushable flyer and PCB annual reporting.

NPDES PERMIT PETITION DISMISSAL: Consult co-petitioners and add dismissal to future agenda for BACWA Executive Board approval.

ANNUAL TECHNICAL SEMMINAR: Work with BACWA Executive Board to develop agenda.

TECHNOLOGY RESEARCH & DEVELOPMENT: Follow up with Isle Utilities and the Orange County Sanitary District representative to their Technology Approval Group (TAG). Secure a copy of the May 15, 2012 TAG meeting notes and distributed to the BACWA Board. Consult with Board Members Farrell and Connor for guidance on next steps.

From: "Piers Clark" <Piers.Clark@isleutilities.com>

Date: 15 July 2012 21:07:41 GMT+01:00

To: <jkelly@bacwa.com>, <jmkmkgk@aol.com>, <mconnor@ebda.org>

Cc: "Louise Elliott" <louise.elliott@isleutilities.com>, <piers.clark@isleutilities.com>

Subject: BACWA and Isle

Hi Jim, Mike

I trust all goes well. It has been a couple of months since we last spoke and I wanted to update you on how things are progressing with Isle Inc/TAG etc.

As you are possibly aware, we have been in discussions with WEF and WERF. There were some people in WERF who initially felt that the TAG programme was very similar to a programme they were hoping to launch (called LIFT, Leaders in Innovation for Technology). I am pleased to report that Glenn Reinhardt (CEO at WERF) and myself have agreed that our two programmes do different things and, far from competing, actually compliment each other. A collaboration proposal between WERF and Isle is due to be presented to the WERF board in August.

We are also talking with a number of other Associations (AWWA, NAWC, WRF etc) about potentially working in partnership. It is all very exciting!

Which brings me to a specific question... Do you know Jeff Mosher at NWRI? NWRI are based in Southern California and have 6 (I think) large agencies as their members. On the face of it they look a bit like a Southern California BACWA. NWRI have suggested that they could work with Isle to increase our TAG membership; the basic idea being that agencies would subscribe to TAG through NWRI. I can see how this might work in Southern California, but I wondered how far their reach might extend. If you have any views on this I would be very pleased to hear them.

Finally, just so you know, the Isle Inc business is now formally established in the US. Our operating base will be in California (and our accountants are actually San Fran based).

I trust everything progresses well for you,

Piers Clark

Chairman

M: 07976 344233

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May 29, 2012

John H. Madigan
California Regional Water Quality Control Board
San Francisco Bay Region
1515 Clay Street, Suite 1400
Oakland, CA 94612
jmadigan@waterboards.ca.gov
Submitted via electronic mail

Re: Comments on the Proposed NPDES Permit for South Bayside System Authority

Dear Mr. Madigan:

Thank you for the opportunity to comment on Tentative Order for the South Bayside System Authority's ("Permittee") Wastewater Treatment Plant and associated wastewater collection system, NPDES Permit No. CA0038369 ("Draft Permit"). San Francisco Baykeeper ("Baykeeper") submits these comments on behalf of our 2,300 members that live, work, and recreate in and around the San Francisco Bay. Baykeeper is a 501(c)(3) nonprofit organization with the mission of protecting the San Francisco Bay for the benefit of its ecosystems and surrounding communities. Please address the following concerns to ensure that the Draft Permit adequately protects water quality and public health in the Bay Area.

1. The Water Quality-Based Effluent Limitations for Ammonia Were Developed in the Absence of Readily Available Site-Specific Data.

The Draft Permit's water quality-based effluent limits ("WQBELs") for ammonia were reportedly based on data from the Regional Monitoring Program ("RMP"), collected near Yerba Buena Island, approximately 24 miles north of the Permittee's Treatment Plant.

The Draft Permit indicates that use of data from this distant monitoring station is appropriate because "San Francisco Bay is a very complex estuarine system with highly variable and seasonal upstream freshwater inflows and diurnal tidal saltwater inputs." Draft Permit, F-20. Use of unrepresentative sites for the purposes of a Reasonable Potential Analysis or for the development of effluent limits is inconsistent with state requirements. We request that site-specific data be utilized to develop effluent limitations for ammonia, and that effluent limits reflect the fact that the Lower South Bay is already nutrient enriched, prompting the Regional Board to require nearby treatment plants to achieve significant reductions in ammonia discharge.

Pursuant to the Policy for Implementation of Toxics Standards for Inland Surface Waters, Enclosed Bays, and Estuaries of California, referred to as the State Implementation Policy ("SIP"), background water quality data must be "representative" of the ambient receiving water that will mix with discharges. SIP, page 5. This means that "preference should be given to ambient water column concentrations measured immediately upstream or near the discharge, but not within an allowed mixing zone for the discharge." SIP, page 18. Regional Board Staff feels

that data collected from Yerba Buena Island is in fact representative, though data collected by the United States Geologic Service (“USGS”) indicates that the nutrient characteristics of these sites are quite different. *See* Table 1, below. Further, Staff did not consider that the nutrient status of the Lower San Francisco Bay likely warrants restrictions on ammonia discharges from the Permittee. Instead, staff called for an average monthly effluent limit (“AMEL”) of 170 mg/L, which is among the highest numeric effluent limits for ammonia of any publically owned treatment works (“POTW”) in the region.¹ This is inconsistent with the Water Quality Control Plan for the San Francisco Bay (“Basin Plan”), which states that any wastewater with “particular characteristics of concern to beneficial uses to the San Francisco Bay south of the Dumbarton Bridge” must be prohibited. Basin Plan, Table 4-1 (Discharge Prohibition 2).

Table 1 contains average concentrations of nitrogen species, chlorophyll, and dissolved oxygen at USGS Monitoring Stations 30 and 18, based on routine sampling data from 2000 to 2012. Values of chlorophyll and dissolved oxygen are read from multiple depths at each site, and the values provided in Table 1 are averages across all depths. Point Blunt is approximately 3.7 miles north-west of Yerba Buena Island and is referenced here since this station is monitored more heavily than the other sites located closer to Yerba Buena Island. Monitoring Station 30 at Redwood Creek is approximately 1.5 miles south-east of the Permittee’s discharge point.

Table 1. Results of USGS monitoring in vicinity of the South Bayside Wastewater Treatment Plant and Yerba Buena Island (2000-2012)²

| Station Number | Location | Season | Nitrate + Nitrite (mg/L) | Ammonium (mg/L) | Calculated Chlorophyll (mg/m3) | Calculated Oxygen (mg/L) |
|----------------|---------------|--------|--------------------------|-----------------|--------------------------------|--------------------------|
| 30 | Redwood Creek | wet | 3.67 (n=84) | 0.12 (n=84) | 9.22 (n=1,507) | 8.25 (n=1,459) |
| | | dry | 1.78 (n=90) | 0.05 (n=90) | 9.01 (n=1,421) | 7.27 (n=1,446) |
| 18 | Point Blunt | wet | 2.02 (n=63) | 0.09 (n=63) | 3.46 (n=3,312) | 7.85 (n=3,217) |
| | | dry | 1.86 (n=53) | 0.08 (n=53) | 5.45 (n=3,021) | 7.24 (n=3,032) |

Concentrations of nitrate plus nitrite are significantly higher during wet weather periods in the vicinity of the Treatment Plant, while chlorophyll is consistently higher year-round. Dissolved oxygen is inconsistent with the chlorophyll data, though this is likely a reflection of stratification and general uncertainty regarding nutrient dynamics in the San Francisco Bay Estuary. Recent analysis of water quality data collected by USGS from 1978 to 2009 showed a significant increase in water column chlorophyll-a per decade (30-50% per decade from Suisun to South Bay respectively) and a significant decline in dissolved oxygen concentrations (1.6 to 2.5% in

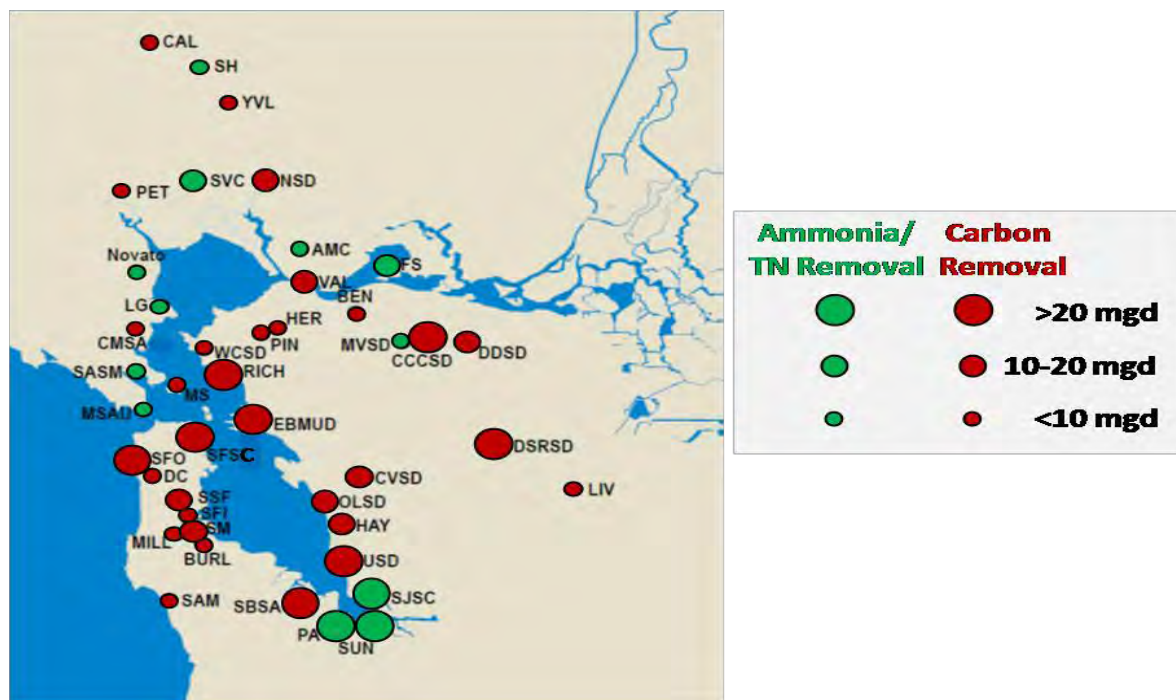
¹ Only the Sausalito-Marín Sanitation District has a higher AMEL of 180 mg/L.

² Based on data available at <http://sfbay.wr.usgs.gov/access/wqdata/>.

South Bay and Suisun Bay respectively).³ In addition, several peer reviewed studies from recent years have indicated that the historic resilience of the San Francisco Bay to the harmful effects of nutrient enrichment is weakening and that management actions are likely necessary.^{4,5,6}

For some time, the Regional Board has recognized the South Bay experiences nutrient enrichment and that poor circulation patterns, in comparison with the Central Bay, require ammonia removal efforts. These requirements have been applied in a seemingly arbitrary manner, especially since the Board requires only POTWs in the Lower South Bay to reduce ammonia loads, even though the entire South Bay has experienced elevated chlorophyll concentrations and depressed dissolved oxygen. See Figure 1, below, as well as the interactive map of Region 2 ammonia discharges, available at <http://baykeeper.org/content/ammonia-discharges-san-francisco-bay-municipal-wastewater-treatment-plants>.

Figure 1. Map depicting POTWs in Region 2 subject to ammonia/total nitrogen removal



³ L. McKee, L. A. Gilbreath, J. Beagle, D. Gluchowski, J. Hunt and M. Sutula. 2012. *Draft Numeric Nutrient Endpoint Development for San Francisco Bay Estuary: Literature Review and Data Gaps Analysis*. Available at www.waterboards.ca.gov/sanfranciscobay/water_issues/programs/planningtmdls/amendments/estuaryne.shtml.

⁴ Cloern, J.E., A.D. Jassby, J.K. Thompson and K.A. Hieb. 2007. *A cold phase of the East Pacific triggers new phytoplankton blooms in San Francisco Bay*. *Proceedings of the National Academy of Sciences* 104 (47):18561-18565.

⁵ Dugdale, R.C., F.P. Wilkerson, V.E. Hogue and A. Marchi. 2007. *The role of ammonium and nitrate in spring bloom development in San Francisco Bay*. *Estuarine, Coastal and Shelf Science* 73:17-29.

⁶ McKee, L.J., Sutula, Gilbreath, A.N., Beagle, J., Gluchowski, D., and Hunt, J. 2011. *Numeric nutrient endpoint development for San Francisco Bay- Literature review and Data Gaps Analysis*. Southern California Coastal Water Research Project Technical Report No. 644. Available at www.sccwrp.org.

The three POTWs south of the Dumbarton Bridge at Sunnyvale, Palo Alto, and San Jose are required to reduce ammonia levels below 18 mg/L, 2.7 mg/L, and 3 mg/L, respectively. Despite being located in the vicinity of these plants, in an area known to be exhibiting signs of over-enrichment, the Draft Permit includes extremely high effluent limits for ammonia. Under the current permit (Order No. R2-2007-0006), the Permittee has no numeric effluent limit for ammonia and no nutrient data is readily available from the Permittee to determine whether significant process modifications would be necessary to reduce nitrogen loading to the San Francisco Bay. Consistent with permit requirements of other POTWs in the area, the Regional Board should take this opportunity to lower effluent limits consistent with the three neighboring facilities to the south.

2. The Effluent Limitations for Conventional and Non-Conventional Pollutants Should Not Vary by Season.

The Draft Permit includes two sets of very different effluent limitations for conventional and non-conventional pollutants based on the time of year, without any justification. *Compare* Table 6 (limits for May 1 through September 30), *with* Table 7 (limits for October 1 through April 30). In its current state, the effluent limitations for CBOD, TSS, and turbidity are double what they are during the dry season. The shift to more lenient effluent limitations during the wet season has not been shown to protect beneficial uses, and is not explained in the Fact Sheet for the Draft Permit. Insofar as the CWA declares that “it is the national goal that the discharge of pollutants into the navigable waters [is] to be eliminated by 1985,” the permit should retain the lower of the two standards for conventional and non-conventional pollutants, year-round. 33 U.S.C. § 1251(a)(1).

Thank you for considering Baykeeper’s comments. If you have any questions, please feel free to contact Abigail Blodgett at (415) 856-0444, extension 109.

Sincerely,



Staff Scientist, San Francisco Baykeeper



Abigail Blodgett
Legal Fellow, San Francisco Baykeeper



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 10

FILE NO.: 12,786

MEETING DATE: July 26, 2012

TITLE: Whitley Burchett Support for Recycled Water Committee IRWMP Update

☒ MOTION

☐ RESOLUTION

ACTION UNDER CONSIDERATION

Authorize agreement with Whitley Burchett & Associates for Recycled Water Committee IRWMP Update support in an amount not to exceed \$49,910 to be completed by June 30, 2013.

SUMMARY

The attached proposal provides background, scope, and cost for Whitley Burchett to provide the Recycled Water Committee with assistance coordinating the update of the Integrated Regional Water Management Plan (IRWMP).

FISCAL IMPACT

Funding for this contract is available in the approved BACWA Budget FY 2012-13 Water Recycling Committee and Committee Miscellaneous Technical and Regulatory line items.

ALTERNATIVES

No other alternatives were considered as the terms of this contract are consistent with BACWA contracting policies.

ATTACHMENT

1. Scope of Work and Rate Sheet



1777 Oakland Blvd Suite 200 • Walnut Creek CA • 94596-7022
tel: 925 945 6850 • fax: 925 945 7415

Ms. Amy Chastain, Executive Director
Bay Area Clean Water Agencies
P.O. Box 24055, MS702
Oakland, CA 94623

March 14, 2012

Subject: Proposal for Professional Services for IRWM Plan Update Support to the BACWA Recycled Water Committee

Dear Ms. Chastain,

This proposal is submitted at the request of the BACWA Recycled Water Committee (Committee) Chair to present a scope of work and budget for providing the Committee with coordination support for the Integrated Regional Water Management Plan (IRWMP) Update during Fiscal Year 2012-13.

Background

The 2006 Bay Area Integrated Regional Water Management Plan is being updated with Proposition 84 (Prop 84) grant funds awarded by the Department of Water Resources. Kennedy/Jenks (KJ) Consultants has been selected to prepare the IRWM Plan (IRWMP or Plan) Update. The Plan is comprised of four Functional Area Documents - Wastewater and Recycled Water, Water Supply and Water Quality, Flood Protection and Stormwater Management, and Watershed Management-Habitat Protection and Restoration. All Prop 84 implementation funding requires that projects applying for funds be included in an IRWM Plan approved by the Department of Water Resources. The BACWA Recycled Water Committee Chair is responsible for collecting project information for recycled water projects and reviewing the information to ensure that it clearly provides the required information.

The 2006 IRWMP includes a total of forty-four recycled water projects. It is unknown how many new recycled water projects the IRWMP Update will include. It is anticipated that all of the existing forty-four projects will need to complete a project update and that there will be new projects to be added to the IRWMP.

Kennedy/Jenks has prepared a series of templates that participants must complete to be included in the Plan. These templates are very detailed and require the following information:

- Project Concept - Requires a general project description, contact information and includes a checklist of items and questions to describe the project goals and its integration within the region as well as with other functional areas of the IRWMP.
- Detailed Project Information - Detailed project description, detailed project costs, schedule and status broken down by project element (including but not limited to: conceptual plans, CEQA/NEPA, construction drawings, funding, readiness to proceed); identification of project documents, location, need, benefits, climate change (adaptation to climate change and mitigation by reducing Greenhouse Gas Emissions and/or Energy

Consumption) and other checklist items related to California Water Plan Resource Management Strategies, multiple benefits for Prop 84 grants, and IRWM goals and objectives.

- Benefit-Cost Analysis - to include but not limited to: detailed information on Project Budget, project benefits (e.g., water supply, water quality, avoided cost of future projects, flood damage reduction), benefit detail, and operation and maintenance costs

Proposed Scope of Work

WBA proposes the following scope to provide IRWM Plan Update support to the BACWA Recycled Water Committee.

WBA will be the point person for the Recycled Water Committee, receiving and reviewing project information from Plan participants, and will provide coordination with Kennedy/Jenks and the Committee Chairs as needed.

Task 1 – Coordination

Throughout the project WBA will coordinate with Kennedy/Jenks and the BACWA Committee chair and interface between Plan participants, BACWA and KJ for clarifications or other questions.

Task 2 – Review of Project Submittals

WBA will request, follow-up and receive information from participants and review submittals for completeness and spot check for consistency and accuracy. Review revised information and submit to KJ. (Budget assumes 50 projects.)

Task 3 – Prioritize Projects and Review of IRWMP Update

Assist BACWA chairs with prioritization of projects. Review and comment on draft IRWMP update.

Task 4 –Project Management

This task will include WBA internal project management.

Proposed Personnel

Anita Jain



BS, MS Civil/Environmental Engineering
12 years of experience

Anita has experience in grant funding, program management, planning and design for water, wastewater and recycled water projects, with emphasis on recycled water regulations. She has provided program management services for the South Bayside System Authority's Stage 2 wastewater treatment plant expansion and the City of Redwood City's award-winning Recycled Water Project. She has prepared Engineering Reports, Operations Plans and Customer Guidelines for recycled water projects in the Bay Area. Her experience in funding includes securing nearly \$4 million in State grant funding for Redwood City and preparing Title XVI feasibility studies for federal funding on behalf of Redwood City and CCCSD.

Roanne Ross

BS, MS, Civil/Environmental Engineering
25 years of experience



Roanne has over 25 years of experience in the consulting environmental engineering field with emphasis on project management, the planning and predesign of wastewater treatment and disposal facilities, water recycling projects, watershed management and regulatory conformance. Roanne is currently assisting SBSA with their conveyance system rehabilitation projects and secondary process evaluation which are part of a 10-year \$339 million CIP program. She is well versed in State regulations and is actively working to obtain federal grants through the Bureau of Reclamation Title XVI program for Redwood City, DSRSD and CCCSD.

Whitley Burchett & Associates, Inc. (WBA) is an engineering firm established in 1985 specializing in providing responsive, quality engineering services to our clients in the water, wastewater, recycled water and alternative energy industries. Our professional staff includes engineers with training and background in civil, mechanical and chemical engineers, environmental engineers, construction management professionals, cost estimators, and funding experts. Our collective professional experience and capabilities allow us to manage complex programs from planning through design and construction, as well as renewable energy, permitting and regulatory compliance.

Our Experience

WBA has participated at the monthly BACWA RW committee meetings over the last several years on behalf of its client the City of Redwood City. We are familiar with the regular meeting attendees, the format of the meeting, and the discussion topics. WBA is involved with various recycled water projects throughout the Bay Area and is knowledgeable on the topic of recycled water and regional issues. Our active involvement with professional organizations such as CASA, CWEA and WaterReuse Association also keep us current on issues affecting the recycled water industry.

In addition, we are experienced with the IRWM process and have participated in the drafting of the 2006 IRWM Plan and in the Prop 50 and Prop 84 grant processes. With this regional effort, there is a significant amount of coordination and follow-up involved which lends to our project management strengths. This combination of our knowledge and experience with the IRWM process and our project management skills makes WBA a good fit for this project.

Schedule

Work will commence following receipt of Notice to Proceed. All work will occur during the 2012-13 fiscal year (July 1, 2012 through June 30, 2013)

Budget

The estimated cost is \$49,906. This estimate is based on the assumptions described in the scope and is broken down by task in the table below.



| TASK | Roanne Ross | Costs (\$218/hr) |
|---|----------------|---------------------|
| Task 1 – Coordination and Administration | 72 | \$15,696 |
| Task 2 – Review of Project Submittals | 133 | \$28,994 |
| Task 3 – Prioritize Projects and Review of IRWMP Update | 16 | \$3,488 |
| Task 4 – Meetings and Project Management | 6 | \$1,308 |
| Total Project Hours | 227 | |
| Expenses | | \$420 |
| Total Costs | | \$49,906 |

Thank you for inviting Whitley Burchett & Associates to propose on this work effort. Please let me know if you have any questions regarding this proposal or if there is any additional information that I may provide you.

Sincerely,
Whitley Burchett & Associates

Roanne Ross, P.E.
Vice President

**BACWA Recycled Water Committee
IRWMP Update Support
Fee Estimate
Whitley Burchett & Associates**

| TASK | | | | Roanne Ross | Costs \$ 218 |
|---|----------------------------|-------------------------------|--------------|----------------|------------------|
| Task 1 – Coordination and Administration | | | | | |
| | <i>hrs per month</i> | <i>months</i> | <i>Total</i> | | |
| On going coordination with committee chair | 3 | 12 | 36 | | |
| On going coordination with K/J | 3 | 12 | 36 | | |
| subtotal | | | | 72 | \$ 15,696 |
| Task 2 – Review of Project Submittals | | | | | |
| | <i>hrs per project</i> | <i>number of projects</i> | <i>Total</i> | | |
| Remind agencies to complete information and follow-up | | | 8 | | |
| Review submittals for completeness and spot check for consistency and correct calculations, return to participants with questions | 1.5 | 50 | 75 | | |
| Review any revised information, submit to KJ | 1 | 50 | 50 | | |
| subtotal | | | | 133 | \$ 28,994 |
| Task 3 – Prioritize Projects and Review of IRWMP Update | | | | | |
| Assist chair with prioritizing projects | | | 8 | | |
| Review and comment on draft Update | | | 8 | | |
| subtotal | | | | 16 | \$ 3,488 |
| Task 4 – Meetings and Project Management | | | | | |
| | <i>hrs per month</i> | <i>months</i> | <i>Total</i> | | |
| WBA internal project management | 0.5 | 12 | 6 | | |
| subtotal | | | | 6 | \$ 1,308 |
| | | | | | |
| Total Project Hours | | | | 227 | |
| expenses | \$35 | 12 | | | \$420 |
| Total Costs | | | | | \$ 49,906 |

Summary of BACWA PCBs Data Analysis as of 7/19/12

Where we are now

Agencies have submitted data to the Regional Board in preparation for the watershed permit reissuance. The Regional Board has shared these data with us. BACWA will perform QA/QC on the data as follows:

- Francois Rodigari will review raw data from a few agencies using different contract labs for acceptability; evaluate if they followed method 1668C and the BACWA protocol for PCBs
- RPM will perform data analysis for all reporting agencies to show sum of 209 PCB congeners, SFEI 40 PCB congeners, with and without DNQ quantification, and compare these to TMDL goals. She will also look at variability with which congeners show up where, differences between different types of plants, and any systematic differences between labs.

Potential Next Steps

The PCB TMDL was based on Method 608 data, supplemented by method 1668C data, which is an unadopted method. The EPA had a opportunity to adopt method 1668C this spring, and did not; the EPA did not comment on why it was not adopted and if or when it might be, but some industrial groups have indicated there is a problem with the reproducibility of the method, and it should not be adopted or used because of this problem.

Depending upon the results of the data analysis described above, it might be in BACWA's interest conduct a study to assess the reproducibility of method 1668C. Hopefully this could lead to a reduction in monitoring, or the elimination of method 1668C in the new watershed PCB permit. Before this effort would be initiated, it would be prudent to meet with RB2 to ensure their concerns are addressed, and if they would consider the results. Further, it could be beneficial to have a respected third party oversee the testing and review the results. Accordingly, the TED and RPM have initiated a contact with SFEI to determine their capability and interest to oversee such an effort.

As the Board is aware, Bay Area agencies are spending considerable money and effort to quantify PCBs using Method 1668C; if the data is of questionable quality (due the limitations of method 1668C) the expenditures would not be anticipated to lead to demonstrable water quality improvements. This, when combined with the other sampling and testing requirements required of permit holders is a large cost that should be considered by RB2 when repermitting occurs. At this time BACWA has not compiled the total cost of these efforts.

Potential Next Steps:

- Put together total cost of watershed permit compliance
- Continue to scope method 1668C interlaboratory study with SFEI
- Meet with RB2 staff and discuss potential interlaboratory study for method 1668C.
- Do round-robin interlaboratory study to show whether data are subject to large random or systematic error. If interlaboratory reproducibility is poor, use this as evidence to request that the Regional Board decrease monitoring requirements.

The TED and RPM request Board input and guidance on this matter.

Pardee Technical Seminar Planning

In preparation for the meeting, the Executive Director requests feedback on the items below.

Date: September 4 – 6, 2012 Time: To be determined

Attendees:

EBMUD – Ben Horenstein; Dave Williams

SFPUC – Laura Pagano

San Jose – Jim Ervin

CCCSD – Ann Farrell

EBDA – Mike Connor

DDSD – Gary Darling

BACWA – Jim Kelly; Alexandra Gunnell

SFRWQCB – Bruce Wolfe; Tom Mumley; Lila Tang; Bill Johnson

Others?

Discussion Topics:

- Revenue/Funding/BACWA Fee Structure for 2013-14 and beyond
- Nutrient Strategy Development – governance; funding; BACWA member participation/support
- Regulatory Program Manager – how best to utilize support
- Increasing BACWA member support, participation and engagement
- PCB/Mercury permit renewal

REVENUE AND EXPENSE ACCOUNT SUMMARY

| BACWA | 2013 Budget | Notes |
|--|--------------------|--|
| REVENUES | 597,000 | No change from 2012 proj |
| Principals' Contributions | 420,000 | |
| Assoc. & Aff. Contributions | 162,000 | |
| Other | 10,000 | Carryforwards to be added later |
| Interest Income | 5,000 | |
| EXPENSES | 653,220 | |
| BACWA Committees | 212,000 | |
| Collections System | 25,000 | |
| Permit Committee | 0 | Moved to RPM |
| Water Recycling Committee | 10,000 | |
| Biosolids Committee | 5,000 | |
| InfoShare Groups | 25,000 | |
| Laboratory Committee | 7,000 | |
| Misc. Tech. & Reg | 140,000 | |
| <i>IRWMP Update assistance</i> | <i>40,000</i> | |
| <i>Regulatory Program Manager</i> | <i>100,000</i> | |
| Legal Support | 4,000 | |
| Regulatory Support | 2,000 | |
| Executive Board Support | 2,000 | |
| Collaboratives and Sponsorships | 36,500 | |
| CWAA | 1,000 | |
| State of the Estuary | 20,000 | |
| CPSC | 5,000 | |
| PSI | 500 | |
| Stanford ERC | 10,000 | |
| Communications and Reporting | 30,720 | |
| Annual Report | 15,000 | |
| Website Development/Maintenance | 10,720 | |
| <i>Power DNN</i> | <i>500</i> | |
| <i>Box.net</i> | <i>720</i> | |
| <i>Circlepoint (web)</i> | <i>8,000</i> | |
| <i>Adammer as-needed</i> | <i>1,500</i> | |
| Other Communications | 5,000 | |
| <i>I-contact</i> | <i>2,000</i> | |
| <i>Media relations support</i> | <i>3,000</i> | |
| Special Programs | 50,000 | |
| Contribution to BAPPG | 50,000 | |
| General BACWA Support | 43,000 | |
| Contingency | 30,000 | 5% of revenues |
| Meeting Support | 13,000 | |
| <i>EB Meetings</i> | <i>1,000</i> | |
| <i>Annual Meeting</i> | <i>7,000</i> | |
| <i>Pardee</i> | <i>5,000</i> | |

| | | |
|---------------------------------|-----------------|--|
| Administrative Support | 277,000 | |
| Executive Director | 160,000 | Assumes new ED @ 175k |
| Assistant Executive Director | 70,000 | |
| EBMUD Financial Service & Audit | 40,000 | |
| Administrative Expenses | 3,000 | |
| Insurance | 4,000 | |
| TOTAL | (56,220) | Will be funded through reserves or the projected 2012 surplus |

| CBC | 2013 Budget | Notes |
|--|--------------------|--|
| REVENUES | 451,600 | No change |
| Principals' Contributions | 300,000 | |
| Assoc. & Aff. Contributions | 150,000 | |
| Interest | 1,600 | |
| EXPENSES | 521,000 | |
| Technical Support | 385,000 | |
| Nutrients | 325,000 | |
| <i>SFEI 2012/2013</i> | <i>175,000</i> | |
| <i>Annual workshop</i> | <i>10,000</i> | |
| <i>To be determined</i> | <i>140,000</i> | |
| PCBs/Hg | 15,000 | Permit Rewrite |
| Whole Effluent Toxicity | 30,000 | |
| <i>Comments on draft policy</i> | <i>20,000</i> | |
| <i>Implementation Assistance</i> | <i>10,000</i> | |
| Risk Reduction | 15,000 | |
| Collaborations & Sponsorships | 65,000 | |
| CWCCG | 50,000 | |
| CECs | 15,000 | |
| Commun. & Reporting | 26,000 | |
| Hg Emissions Report | 20,000 | |
| Rate database | 6,000 | |
| Contingency | 45,000 | 10% of revenues |
| TOTAL | (69,400) | Deficit funded through reserves |

| BAPPG | 2013 Budget | Notes |
|----------------------|--------------------|------------------|
| REVENUES | 80,000 | No change |
| Member Contributions | 80,000 | |
| | | |
| EXPENSES | 79,799 | |
| Mercury | 0 | |
| FOG | 14,000 | |
| Pharmaceuticals | 7,499 | |
| Copper | 5,000 | |
| Dioxin | 2,000 | |
| Pesticides | 10,000 | |
| SSOs | 3,000 | |
| Unplanned Issues | 8,000 | |
| Multi-Pollutant | 19,000 | |
| Misc. | 7,500 | |
| BACWA Indirect Costs | 3,800 | Per BACWA Policy |
| TOTAL | 201 | |

| AIR | 2013 Budget | Notes |
|-----------------------------|--------------------|----------------------------------|
| REVENUES | 85,000 | |
| Participant's Contributions | 85,000 | Est. depends on member interest. |
| | | |
| EXPENSES | 85,000 | |
| Contract expenses | 81,000 | Est. depends on member interest. |
| BACWA Indirect Expenses | 4,000 | Per BACWA Policy |
| TOTAL | 0 | |

| WOT | 2013 Budget | Notes |
|-----------------------------|--------------------|----------------------------------|
| REVENUES | 160,500 | |
| Participant's Contributions | 160,500 | Est. depends on member interest. |
| | | |
| EXPENSES | 160,500 | |
| Contract expenses | 158,000 | Est. depends on member interest. |
| BACWA Indirect Expenses | 2,500 | Per BACWA Policy |
| TOTAL | 0 | |

| Prop 50 Admin | 2012-2015 (est) Budget | Notes |
|------------------------|-----------------------------------|--|
| <u>REVENUES</u> | 265,245 | |
| Grant Funds | 250,000 | Includes pre-funding |
| Interest | 15,245 | |
| | | |
| <u>EXPENSES</u> | 265,245 | |
| Consultant | 109,000 | |
| BACWA Legal | 50,000 | |
| BACWA Staff - Direct | 40,000 | |
| BACWA Accounting | 15,000 | |
| Other Direct Costs | 12,000 | |
| EBMUD Grant Manager | 15,000 | New for 2013. In-kind contribution prior |
| EBMUD Admin Support | 0 | |
| Indirect Costs | 8,025 | Per BACWA policy |
| Contingency | 16,220 | |
| TOTAL | 0 | |

| Prop 84 Admin | 2012-2017 (est) Budget | Notes |
|------------------------|-----------------------------------|--|
| <u>REVENUES</u> | 640,000 | |
| Agencies' Pre-funding | 100,000 | |
| Grant Funds | 540,000 | Reimbursement of admin costs; or invoice agencies again if necessary |
| | | |
| <u>EXPENSES</u> | 640,000 | |
| Consultant | 157,000 | Assist with DWR reporting and coord. |
| BACWA Legal | 51,000 | |
| BACWA Staff - Direct | 57,000 | |
| BACWA Accounting | 51,000 | |
| Other Direct Costs | 35,000 | Mailing, shipping , telecom, etc. |
| EBMUD Grant Manager | 180,000 | Includes allowable overhead |
| EBMUD Admin Support | 60,000 | |
| Indirect Costs | 18,000 | Per BACWA policy |
| Contingency | 31,000 | |
| TOTAL | 0 | |