

BACWA EXECUTIVE BOARD MEETING
Thursday, February 23 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, February 23, 2012, 9:00 a.m. – 12:00 p.m.
EBMUD Operations Center, 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.)

PRESENTATION (9:10 a.m. – 9:40 a.m.)

1. *Two and Three Dimensional Effluent Dilution Modeling*, Ed Gross, Bay Modeling

CONSENT CALENDAR (9:40 a.m. – 9:45 a.m.)

2. December 19, 2011 BACWA Executive Board Meeting minutes
3. November & December 2011 Treasurer's Reports

REPORTS (9:45 a.m. – 10:15 a.m.)

4. Committee Reports
5. Executive Board Reports
6. Executive Director Report
7. Chair & Executive Director Authorized Actions
 - a. Chair Authorization for agreement with O'Rourke support of BAPPG Asian FOG Outreach campaign; \$6,100; File 12,623.
 - b. Executive Director Authorization for agreement with Lilli Keinanen for graphic design support of BAPPG Outreach campaign; \$1,700; File 12,661.
 - c. Chair Authorization to fund travel expenses for Biosolids Chair to attend WEF 2012 Biosolids Conference; \$1,996.50.

OTHER BUSINESS (10:15 a.m. – 12:00 p.m.)

8. Authorization: Fund travel expenses for Biosolids Vice-Chair to attend WEF 2012, Biosolids Conference, \$2,000 (10 min)
9. Authorization: Dismiss BACWA Permit Petitions; Authorize ED to retain assistance with dismissals (10 min)
10. Authorization: Authorize the ED to proceed funding Electronic Reporting System Database Maintenance (10 min)
11. Discussion: 2012-2013 Budget & Financial Issues (30 min)
12. Discussion: Nutrients (45 min)
 - a. February 8, 2012 Regional Water Board hearing update
 - b. Short-term next steps

NEXT REGULAR MEETING

The next meeting of the Board is tentatively scheduled for March 22, 2012.

ADJOURNMENT (12:00 p.m.)



Executive Board Meeting Minutes

Thursday, December 19, 2011, 9:00 a.m. – 12:00 p.m.
Central Contra Costa Sanitary District
5019 Imhoff Place, Martinez, CA

ROLL CALL AND INTRODUCTIONS

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

Other Attendees: Ann Farrell (Central Contra Costa Sanitary District); Dave Williams (East Bay Municipal Utility District); Kirsten Struve (City of San Jose); Jim Ervin (City of San Jose); Sarah Scheidt (City of San Jose); Gary Darling (Delta Diablo Sanitary District); Amanda Roa (Delta Diablo Sanitary District); Greg Baatrup (Fairfield-Suisun Sewer District); Tom Hall (Sunnyvale/Eisenberg Olivieri Associates, Inc.); Holly Kennedy (HDR Engineering); Denise Conners (Larry Walker Associates); Patricia McGovern (Patricia McGovern Engineers); Lorien Fono (Patricia McGovern Engineers); Amy Chastain (BACWA); Alexandra Gunnell (BACWA).

PUBLIC COMMENT

There were no public comments.

PRESENTATION

Under **agenda item 1, support for the Engineering Research Center for Re-Inventing that Nation's Urban Water Infrastructure** was discussed. *A motion was made by Mike Connor for BACWA to become an Industrial/Practitioner Member. The motion was seconded by Laura Pagano and passed unanimously.* The Executive Director (ED) will work with the Chair and Vice Chair of the BACWA Executive Board (Board) to designate a representative from BACWA.

Support for the Water Environment Research Foundation for evaluating models for deriving site-specific water quality criteria for nutrients was discussed under **agenda item 2**. *In a motion made by Mike Connor and seconded by Ben Horenstein the BACWA Executive Board unanimously approved contributing \$10,000.*

BACWA Permit Petition information was included in the meeting handout packet and discussed under **agenda item 3**. The ED will circulate a detailed spreadsheet to the Board, contact agencies may be impacted, field requests for additional information and return to the Board in February with recommendations for next steps.

Materials for **agenda item 4, 2012 BACWA Nutrient Support** were distributed via e-mail and made available to meeting attendees. *A motion was made by Kirsten Struve to approve the scope of work and allow the BACWA Finance Committee to determine the funding specifics. The motion was second by Margaret Orr and passed unanimously.* The Board requested that David Senn of the San Francisco Estuary Institute (SFEI) provide regular updates for joint BACWA/San Francisco Regional Water Quality Control Board (RWQCB) meetings and monthly BACWA board meetings. Mike Connor and the ED will work with the Finance Committee to finalize contracting details.

Suisun Bay Ammonia Issues were also discussed under **agenda item 4**. Gary Darling led a discussion regarding a letter from State Water Contractors concerning Central Contra Costa Sanitary District's (CCCSD) NPDES permit renewal, which was distributed to meeting attendees. Delta Diablo Sanitary District (DDSD) and CCCSD will represent BACWA when they meet with the State and Federal Contractors Water Agency (SFCWA) Executive Director, Byron Buck, on January 4, 2012. Gary Darling and Ann Farrell will circulate draft materials in preparation for the meeting to the BACWA

Board for review, and feedback should be submitted to them prior to January 4th. Gary and Ann will report back to the Board following the meeting, prior to January 10th, with recommendations for next steps. In preparation for the February Board meeting Gary, Ann and the ED will work together on a proposal for developing a workgroup to continue to address these issues.

CONSENT CALENDAR

*Consent calendar **agenda items 5 - 7** were approved in a motion made by Laura Pagano and seconded by Kirsten Struve. The motion carried unanimously.*

5. November 17, 2011 BACWA Executive Board Meeting minutes
6. October 2011 Treasurer's Reports
7. Year-End Financial Reports

Item 8, the Clean Water American Alliance Membership Renewal, was removed from the consent calendar. The FY2011-12 contribution will be less than \$5,000 and can be authorized by the ED in accordance with BACWA contracting policies. The ED will notify the Board of how to electronic information from CWAA and will consider including program updates in the monthly BACWA newsletter.

REPORTS

Committee Reports for **agenda item 9** were included in the meeting handout packet and attendees were invited to elaborate on their reports or field questions.

It was mentioned that the Recycled Water Committee may have input on WET policy issues, and the ED will contact the Committee Chair, Cheryl Munoz, to discuss this matter. It was also noted that Cheryl, Linda Hu and the ED are all continuing to work together to provide BACWA representation to IRWMP revision efforts.

The Permits Committee is planning to hold their first toxicity workshop on January 18th, 19th or 20th in the south bay to provide guidance on conducting toxicity tests.

The Collection Systems Committee is planning to provide members with additional information for addressing concerns surrounding Sewer System Management Plan (SSMP) self audits.

The **Proposition 50 Grant Disbursement Status Report, agenda item 10**, was included in the meeting handout packet.

For **agenda item 11**, the **Executive Director's Report**, was included in the meeting handout packet and reviewed by the Executive Director (ED). A draft Regulatory Issue Tracking summary developed by the ED with assistance from Patricia McGovern Engineers (PME) was distributed. The Board suggested that climate change and emerging contaminants could be added to the list of issues and that the document could be updated with specific progress and efforts made by BACWA. CCCSD provided a copy of their issue matrix, and the ED requested that the Board direct feedback to her so that she can revise the BACWA version and circulate it for Board review.

BACWA Executive Board members were invited to share any items of interest under **agenda item 12, Executive Board Reports**.

- Kirsten Struve will be Co-Chair of the Regional Monitoring Program (RMP) Steering

Committee with Tom Mumley. San Jose also mentioned that they have received a letter from Northern California Riverwatch regarding toxicity.

- San Francisco Public Utilities Commission will be meeting with the RWQCB to discuss inconsistent results in their toxicity tests.
- The East Bay Dischargers Authority permit is due for public hearing on Jan 18th.

The following **Chair & Executive Director Authorized Actions** were made since the November 15, 2011 BACWA Board Meeting (**Agenda item 13**).

- a. ED Authorization for BAPPG Regional FOG Outreach: Turkey Fryer Stickers, \$3,000, FY 2011-2012, File 12,609.
- b. ED Authorization for BAPPG Dioxin Ad Campaign, \$2,000, FY 2011-2012, File 12,610.
- c. ED Authorization for BAPPG Copper Outreach: Plumbing Apprenticeship Fact Sheet, \$2,000.00, FY 2011-2012, File 12,608.
- d. ED Task Authorization for permit petition assistance from RMC, \$1,500, FY 2011-2012, File 12,431.

The next regular BACWA Board meeting will be held on February 23, 2012 at the EBMUD Treatment Plant Operations Center from 9 a.m. – 12 p.m. The BACWA Annual Member Meeting is scheduled for January 26, 2012 from 8:30 a.m. – 2 p.m. at the Boy Scouts of America facility, 1001 Davis Street, San Leandro, CA.

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

January 11, 2012

MEMO TO: Bay Area Clean Water Agencies Executive Board *W. Hendrix*
MEMO FROM: Wanda B. Hendrix, Treasury Manager, East Bay Municipal Utility District
SUBJECT: Five Month Treasurer's Report

As required by section eight of the Joint Powers Agreement establishing the Bay Area Clean Water Agencies (BACWA) and California Government Code Sections 6500 et seq., attached is the BACWA Treasurer's Report for the period covering **July 1, 2011 through November 30, 2011** (five 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),
- 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 11/30/11

| DESCRIPTION | BEGINNING FUND BALANCE 7/1/11 | TOTAL RECEIPTS | TOTAL DISBURSEMENTS | ENDING FUND BALANCE 11/30/11 | OUTSTANDING ENCUMBRANCES | UNOBLIGATED FUND BALANCE 11/30/11 |
|-------------|-------------------------------------|------------------|------------------------|------------------------------------|-----------------------------|---|
| BACWA | 495,026 | 427,079 | 138,264 | 783,841 | 251,274 | 532,567 |
| TRNG FND | 251,705 | 333 | 5,000 | 247,038 | - | 247,038 |
| AIR | 26,619 | 76,766 | 49,405 | 53,980 | 59,380 | (5,400) |
| BAPPG | 19,770 | 29,048 | 14,999 | 33,820 | 29,399 | 4,420 |
| LEGAL RSRV | 302,046 | 399 | - | 302,445 | - | 302,445 |
| WQA CBC | 141,949 | 324,203 | 146,939 | 319,213 | 148,568 | 170,646 |
| BACWAOPRES | 151,978 | 202 | - | 152,180 | - | 152,180 |
| RWR | 16,629 | 22 | - | 16,651 | - | 16,651 |
| RESERVE | 120,000 | - | - | 120,000 | - | 120,000 |
| WOT | 93,370 | 67,607 | 87,000 | 73,977 | - | 73,977 |
| PRP84 | - | 21,500 | - | 21,500 | 30,000 | (8,500) |
| WQA EMERG | 402,728 | 532 | - | 403,260 | - | 403,260 |
| TECHACTION | 251,705 | 333 | - | 252,038 | - | 252,038 |
| CBC OPRSRV | 163,105 | 216 | - | 163,321 | - | 163,321 |
| PRP50 | 550,190 | 693,965 | 1,057,259 | 186,896 | 58,468 | 128,428 |
| | <u>2,986,820</u> | <u>1,642,204</u> | <u>1,498,865</u> | <u>3,130,159</u> | <u>577,089</u> | <u>2,553,070</u> |

BACWA Revenue Report for November 2011

| DEPARTMENT | REVENUE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | YEAR TO DATE | | | | UNOBLIGATED |
|------------------------------------|------------------------------|-------------------|----------------|----------|--------------|--------------|----------------|--------------|----------------|----------------|
| | | | DIRECT | INVOICED | JVS | DIRECT | INVOICED | JVS | ACTUAL | |
| Bay Area Clean Water Agencies | BDO Member Contributions | 450,000 | - | - | - | - | 271,500 | (1,500) | 270,000 | 180,000 |
| Bay Area Clean Water Agencies | BDO Fund Transfers | 10,000 | - | - | 1,040 | - | - | 1,040 | 1,040 | 8,960 |
| Bay Area Clean Water Agencies | BDO Interest Income | 5,000 | - | - | - | - | - | 788 | 788 | 4,212 |
| Bay Area Clean Water Agencies | BDO Assoc.&Affiliate Contr | 159,000 | - | - | - | - | 153,750 | 1,500 | 155,250 | 3,750 |
| BACWA TOTAL | | 624,000 | - | - | 1,040 | - | 425,250 | 1,829 | 427,079 | 196,921 |
| BACWA Training Fund | BDO Interest Income | - | - | - | - | - | - | 333 | 333 | (333) |
| TRNG FND TOTAL | | | | | | | | 333 | 333 | (333) |
| AIR-Air Issues&Regulation Grp | BDO Member Contributions | 84,828 | - | - | - | - | 71,754 | 5,000 | 76,754 | 8,074 |
| AIR-Air Issues&Regulation Grp | BDO Interest Income | - | - | - | - | - | - | 12 | 12 | (12) |
| AIR TOTAL | | 84,828 | - | - | - | - | 71,754 | 5,012 | 76,766 | 8,062 |
| BAPPG-BayAreaPollutnPreventGrp | BDO Member Contributions | 80,505 | - | - | 746 | - | 28,259 | 746 | 29,005 | 51,500 |
| BAPPG-BayAreaPollutnPreventGrp | BDO Interest Income | 3,079 | - | - | - | - | - | 43 | 43 | 3,036 |
| BAPPG TOTAL | | 83,584 | - | - | 746 | - | 28,259 | 789 | 29,048 | 54,536 |
| BACWA Legal Reserve Fnd | BDO Interest Income | - | - | - | - | - | - | 399 | 399 | (399) |
| LEGAL RSRV TOTAL | | | | | | | | 399 | 399 | (399) |
| WQA-WtrQualityAttainmntStratgy | BDO Member Contributions | 450,000 | - | - | - | - | 324,030 | - | 324,030 | 125,970 |
| WQA-WtrQualityAttainmntStratgy | BDO Interest Income | 1,600 | - | - | - | - | - | 173 | 173 | 1,427 |
| WQA CBC TOTAL | | 451,600 | - | - | - | - | 324,030 | 173 | 324,203 | 127,397 |
| BACWA OperatingRsrv Fnd | BDO Interest Income | - | - | - | - | - | - | 202 | 202 | (202) |
| BACWAOPRES TOTAL | | | | | | | | 202 | 202 | (202) |

BACWA Revenue Report for November 2011

| DEPARTMENT | REVENUE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | YEAR TO DATE | | | | UNOBLIGATED |
|--------------------------------|--------------------------------|-------------------|----------------|----------|---------------|--------------|----------------|---------------|----------------|------------------|
| | | | DIRECT | INVOICED | JVS | DIRECT | INVOICED | JVS | ACTUAL | |
| Regional Water Recycling | BDO Interest Income | - | - | - | - | - | - | 22 | 22 | (22) |
| RWR TOTAL | | - | - | - | - | - | - | 22 | 22 | (22) |
| WOT - Wtr/Wwtr Operat Training | BDO Member Contributions | 150,000 | - | - | (746) | - | 68,246 | (746) | 67,500 | 82,500 |
| WOT - Wtr/Wwtr Operat Training | BDO Interest Income | - | - | - | - | - | - | 107 | 107 | (107) |
| WOT TOTAL | | 150,000 | - | - | (746) | - | 68,246 | (639) | 67,607 | 82,393 |
| Prop84BayAreaIntegRegnlWtrMgmt | Agency Prefunding Admin Exp | - | - | - | 21,500 | - | - | 21,500 | 21,500 | (21,500) |
| PRP84 TOTAL | | - | - | - | 21,500 | - | - | 21,500 | 21,500 | (21,500) |
| WQA Emergency Resrve Fnd | BDO Interest Income | - | - | - | - | - | - | 532 | 532 | (532) |
| WQA EMERG TOTAL | | - | - | - | - | - | - | 532 | 532 | (532) |
| WQA Tech Action Fund | BDO Interest Income | - | - | - | - | - | - | 333 | 333 | (333) |
| TECHACTION TOTAL | | - | - | - | - | - | - | 333 | 333 | (333) |
| CBC Operating Resrve Fnd | BDO Interest Income | - | - | - | - | - | - | 216 | 216 | (216) |
| CBC OPRSRV TOTAL | | - | - | - | - | - | - | 216 | 216 | (216) |
| Prop50BayAreaIntegRegnlWtrMgmt | BDO Interest Income | - | - | - | - | - | - | 634 | 634 | (634) |
| Prop50BayAreaIntegRegnlWtrMgmt | BDO Administrative Expense | - | - | - | - | - | 19,661 | - | 19,661 | (19,661) |
| Prop50BayAreaIntegRegnlWtrMgmt | Contra Costa Regional Intertie | - | - | - | - | - | - | - | - | - |
| Prop50BayAreaIntegRegnlWtrMgmt | EBMUD Richmond RWP | - | - | - | - | - | - | - | - | - |
| Prop50BayAreaIntegRegnlWtrMgmt | Pacifica RWP | - | - | - | - | - | 669,960 | - | 669,960 | (669,960) |
| Prop50BayAreaIntegRegnlWtrMgmt | Montara Groundwater Project | - | - | - | - | - | 3,710 | - | 3,710 | (3,710) |
| Prop50BayAreaIntegRegnlWtrMgmt | Alameda Creek Phase 2 Fish | - | - | - | - | - | - | - | - | - |
| PRP50 TOTAL | | - | - | - | - | - | 693,331 | 634 | 693,965 | (693,965) |

BACWA Expense Report for November 2011

| DEPARTMENT | EXPENSE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | | YEAR TO DATE | | | | OBLIGATED | UNOBLIGATED |
|--------------------------------|--------------------------------|-------------------|----------------|---------------|--------------|----------|----------------|----------------|---------------|--------------|----------------|-----------------|
| | | | ENC | PV | DA | JV | ENC | PV | DA | JV | | |
| Bay Area Clean Water Agencies | BC-Collections System | 25,000 | (1,537) | 1,537 | - | - | 16,927 | 8,073 | - | - | 25,000 | - |
| Bay Area Clean Water Agencies | BC-Permit Committee | 25,000 | (1,108) | 1,108 | - | - | 16,096 | 8,904 | - | - | 25,000 | - |
| Bay Area Clean Water Agencies | BC-Water Recycling Committee | 19,000 | (3,115) | 3,115 | - | - | 4,026 | 13,744 | - | - | 17,770 | 1,231 |
| Bay Area Clean Water Agencies | BC-Biosolids Committee | 5,000 | - | - | - | - | - | - | - | - | - | 5,000 |
| Bay Area Clean Water Agencies | BC-InfoShare Groups | 25,000 | 20,375 | 4,626 | - | - | 20,375 | 4,626 | - | - | 25,000 | - |
| Bay Area Clean Water Agencies | BC-Laboratory Committee | 7,000 | - | - | - | - | - | - | - | - | - | 7,000 |
| Bay Area Clean Water Agencies | BC-Miscellaneous Committee Sup | 61,000 | (4,725) | 825 | - | - | 33,396 | 2,454 | - | - | 35,850 | 25,150 |
| 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 | 6,000 | (65) | 5,227 | - | - | 3,804 | 5,358 | - | - | 9,162 | (3,162) |
| Bay Area Clean Water Agencies | LS-Executive Board Support | 2,000 | - | - | - | - | 2,000 | - | - | - | 2,000 | - |
| Bay Area Clean Water Agencies | CAS-CWAA | 10,000 | - | - | - | - | - | - | - | - | - | 10,000 |
| 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 | (1,907) | 5,807 | 1,052 | - | 1,903 | 13,997 | 1,052 | - | 16,952 | (1,952) |
| Bay Area Clean Water Agencies | CAR-BACWA Website Development/ | 35,000 | (810) | 810 | - | - | 8,107 | 1,393 | 500 | - | 10,000 | 25,000 |
| Bay Area Clean Water Agencies | AS-BACWA Admin Expense | 15,000 | - | - | 108 | - | - | - | 1,295 | - | 1,295 | 13,705 |
| 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 | 46,000 | - | - | - | - | - | - | - | - | - | 46,000 |
| Bay Area Clean Water Agencies | GBS- Meeting Support | 17,000 | (92) | 92 | 2,791 | - | 819 | 181 | 4,641 | - | 5,641 | 11,359 |
| Bay Area Clean Water Agencies | AS-Executive Director | 135,500 | - | - | - | - | 93,172 | 45,768 | - | - | 138,940 | (3,440) |
| Bay Area Clean Water Agencies | AS-Assistant Executive Directo | 70,000 | (4,387) | 4,387 | - | - | 50,650 | 17,550 | - | - | 68,200 | 1,800 |
| Bay Area Clean Water Agencies | AS-EBMUD Administrative Servic | 40,000 | - | - | - | - | - | - | - | - | - | 40,000 |
| Bay Area Clean Water Agencies | AS-Insurance | 5,000 | - | - | - | - | - | - | 3,729 | - | 3,729 | 1,271 |
| BACWA TOTAL | | 624,000 | 2,628 | 27,534 | 3,950 | - | 251,274 | 122,047 | 16,216 | - | 389,538 | 234,462 |
| BACWA Training Fund | BDO Fund Transfers | - | - | - | - | - | - | - | - | 5,000 | 5,000 | (5,000) |
| TRNG FND TOTAL | | - | - | - | - | - | - | - | - | 5,000 | 5,000 | (5,000) |
| AIR-Air Issues&Regulation Grp | BDO Administrative Expense | 4,040 | - | - | - | - | - | - | - | - | - | 4,040 |
| AIR-Air Issues&Regulation Grp | BDO Contract Expenses | 80,790 | - | - | - | - | 59,380 | 48,905 | 500 | - | 108,785 | (27,995) |
| AIR TOTAL | | 84,830 | - | - | - | - | 59,380 | 48,905 | 500 | - | 108,785 | (23,955) |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Fog | 20,800 | 975 | 1,925 | - | - | 10,974 | 1,925 | - | - | 12,899 | 7,901 |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Mercury | 8,500 | - | - | - | - | 6,434 | 606 | - | - | 7,040 | 1,460 |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Pesticides | 10,000 | - | - | - | - | - | - | 10,000 | - | 10,000 | - |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Copper | 9,000 | - | - | - | - | 7,911 | 1,048 | - | - | 8,959 | 41 |
| 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 | 8,000 | 2,000 | - | - | - | 2,000 | - | - | - | 2,000 | 6,000 |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Other | 11,000 | 2,000 | - | - | - | 2,000 | - | - | - | 2,000 | 9,000 |
| BAPPG-BayAreaPollutnPreventGrp | BDO Administrative Expense | 3,815 | - | - | - | - | - | - | - | - | - | 3,815 |
| BAPPG TOTAL | | 80,114 | 4,975 | 1,925 | - | - | 29,399 | 4,999 | 10,000 | - | 44,398 | 35,716 |

BACWA Expense Report for November 2011

| DEPARTMENT | EXPENSE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | | YEAR TO DATE | | | | OBLIGATED | UNOBLIGATED |
|--------------------------------|--------------------------------|-------------------|-----------------|---------------|----------------|---------------|----------------|---------------|------------------|---------------|------------------|--------------------|
| | | | ENC | PV | DA | JV | ENC | PV | DA | JV | | |
| WQA-WtrQualityAttainmntStratgy | WQA-CE-Technical Support | 214,600 | - | - | 9,999 | - | 111,734 | 61,936 | 9,999 | - | 183,669 | 30,931 |
| WQA-WtrQualityAttainmntStratgy | WQA-CE-Collaborations & Sponso | 77,000 | - | - | 15,000 | - | - | - | 55,000 | - | 55,000 | 22,000 |
| WQA-WtrQualityAttainmntStratgy | WQA-CE-Commun. & Reporting | 70,000 | (1,640) | 1,640 | - | - | 33,040 | 3,960 | - | - | 37,000 | 33,000 |
| WQA-WtrQualityAttainmntStratgy | WQA-CE-Other | 90,000 | (15,420) | 10,258 | - | - | 3,793 | 16,045 | - | - | 19,838 | 70,162 |
| WQA CBC TOTAL | | 451,600 | (17,060) | 11,898 | 24,999 | - | 148,568 | 81,940 | 64,999 | - | 295,507 | 156,093 |
| WOT - Wtr/Wwtr Operat Training | BDO Administrative Expense | 2,500 | - | - | - | - | - | - | - | - | - | 2,500 |
| WOT - Wtr/Wwtr Operat Training | BDO Contract Expenses | 140,000 | - | - | 87,000 | - | - | - | 87,000 | - | 87,000 | 53,000 |
| WOT TOTAL | | 142,500 | - | - | 87,000 | - | - | - | 87,000 | - | 87,000 | 55,500 |
| Prop84BayAreaIntegRegnlWtrMgmt | BDO Administrative Expense | - | - | - | - | - | 30,000 | - | - | - | 30,000 | (30,000) |
| PRP84 TOTAL | | - | - | - | - | - | 30,000 | - | - | - | 30,000 | (30,000) |
| Prop50BayAreaIntegRegnlWtrMgmt | BDO Fund Transfers | - | - | - | - | 21,500 | - | - | - | 21,500 | 21,500 | (21,500) |
| Prop50BayAreaIntegRegnlWtrMgmt | BDO Administrative Expense | - | (135) | 135 | - | 1,040 | 1,641 | 359 | - | 1,040 | 3,040 | (3,040) |
| Prop50BayAreaIntegRegnlWtrMgmt | BDO Contract Expenses | - | - | - | - | - | 56,827 | 8,486 | - | - | 65,312 | (65,312) |
| Prop50BayAreaIntegRegnlWtrMgmt | Contra Costa Regional Intertie | - | - | - | - | - | - | - | 50,000 | - | 50,000 | (50,000) |
| Prop50BayAreaIntegRegnlWtrMgmt | Regional Conservation | - | - | - | - | - | - | - | 18,500 | - | 18,500 | (18,500) |
| Prop50BayAreaIntegRegnlWtrMgmt | EBMUD Richmond RWP | - | - | - | - | - | - | - | 212,760 | - | 212,760 | (212,760) |
| Prop50BayAreaIntegRegnlWtrMgmt | South Bay Advanced Regional RW | - | - | - | - | - | - | - | 5,786 | - | 5,786 | (5,786) |
| Prop50BayAreaIntegRegnlWtrMgmt | Pacifica RWP | - | - | - | 673,117 | - | - | - | 673,117 | - | 673,117 | (673,117) |
| Prop50BayAreaIntegRegnlWtrMgmt | Montara Groundwater Project | - | - | - | 5,241 | - | - | - | 5,241 | - | 5,241 | (5,241) |
| Prop50BayAreaIntegRegnlWtrMgmt | Alameda Creek Phase 2 Fish | - | - | - | - | - | - | - | 60,469 | - | 60,469 | (60,469) |
| PRP50 TOTAL | | - | (135) | 135 | 678,359 | 22,540 | 58,468 | 8,845 | 1,025,874 | 22,540 | 1,115,727 | (1,115,727) |



Bay Area Clean Water Agencies

A Joint Powers Public Agency

Leading the Way to Protect our Bay

February 14, 2012

MEMO TO: Bay Area Clean Water Agencies Executive Board
MEMO FROM: Wanda B. Hendrix, Treasury Manager, East Bay Municipal Utility District
SUBJECT: Six Month Treasurer's Report

As required by section eight of the Joint Powers Agreement establishing the Bay Area Clean Water Agencies (BACWA) and California Government Code Sections 6500 et seq., attached is the BACWA Treasurer's Report for the period covering **July 1, 2011 through December 31, 2011** (six 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 12/31/11

| DESCRIPTION | BEGINNING FUND BALANCE 7/1/11 | TOTAL RECEIPTS | TOTAL DISBURSEMENTS | ENDING FUND BALANCE 12/31/11 | OUTSTANDING ENCUMBRANCES | UNOBLIGATED FUND BALANCE 12/31/11 |
|-------------|-------------------------------------|----------------|------------------------|------------------------------------|-----------------------------|---|
| BACWA | 495,026 | 438,180 | 245,169 | 688,037 | 251,882 | 436,155 |
| TRNG FND | 251,705 | 563 | 5,000 | 247,268 | - | 247,268 |
| AIR | 26,619 | 76,800 | 53,445 | 49,974 | 59,380 | (9,406) |
| BAPPG | 19,770 | 79,077 | 24,561 | 74,285 | 29,832 | 44,453 |
| LEGAL RSRV | 302,046 | 675 | - | 302,721 | - | 302,721 |
| WQA CBC | 141,949 | 324,442 | 196,848 | 269,543 | 137,409 | 132,134 |
| BACWAOPRES | 151,978 | 341 | - | 152,319 | - | 152,319 |
| RWR | 16,629 | 37 | - | 16,666 | - | 16,666 |
| RESERVE | 120,000 | - | - | 120,000 | - | 120,000 |
| WOT | 93,370 | 61,722 | 89,500 | 65,592 | - | 65,592 |
| PRP84 | - | 51,000 | 6,545 | 44,455 | 23,455 | 21,000 |
| WQA EMERG | 402,728 | 900 | - | 403,628 | - | 403,628 |
| TECHACTION | 251,705 | 563 | - | 252,268 | - | 252,268 |
| CBC OPRSRV | 163,105 | 365 | - | 163,470 | - | 163,470 |
| PRP50 | 550,190 | 694,153 | 1,057,670 | 186,673 | 58,423 | 128,250 |
| | 2,986,820 | 1,728,817 | 1,678,738 | 3,036,899 | 560,381 | 2,476,518 |

BACWA Revenue Report for December 2011

| DEPARTMENT | REVENUE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | YEAR TO DATE | | | | UNOBLIGATED |
|------------------------------------|------------------------------|-------------------|----------------|----------|---------------|--------------|----------------|---------------|----------------|----------------|
| | | | DIRECT | INVOICED | JVS | DIRECT | INVOICED | JVS | ACTUAL | |
| Bay Area Clean Water Agencies | BDO Member Contributions | 450,000 | - | - | - | - | 271,500 | (1,500) | 270,000 | 180,000 |
| Bay Area Clean Water Agencies | BDO Fund Transfers | 10,000 | - | - | 10,355 | - | - | 11,395 | 11,395 | (1,395) |
| Bay Area Clean Water Agencies | BDO Interest Income | 5,000 | - | - | 747 | - | - | 1,535 | 1,535 | 3,465 |
| Bay Area Clean Water Agencies | BDO Assoc.&Affiliate Contr | 159,000 | - | - | - | - | 153,750 | 1,500 | 155,250 | 3,750 |
| BACWA TOTAL | | 624,000 | - | - | 11,102 | - | 425,250 | 12,930 | 438,180 | 185,820 |
| BACWA Training Fund | BDO Interest Income | - | - | - | 230 | - | - | 563 | 563 | (563) |
| TRNG FND TOTAL | | - | - | - | 230 | - | - | 563 | 563 | (563) |
| AIR-Air Issues&Regulation Grp | BDO Member Contributions | 84,828 | - | - | - | - | 71,754 | 5,000 | 76,754 | 8,074 |
| AIR-Air Issues&Regulation Grp | BDO Interest Income | - | - | - | 34 | - | - | 46 | 46 | (46) |
| AIR TOTAL | | 84,828 | - | - | 34 | - | 71,754 | 5,046 | 76,800 | 8,028 |
| BAPPG-BayAreaPollutnPreventGrp | BDO Member Contributions | 80,505 | - | - | 50,000 | - | 28,259 | 50,746 | 79,005 | 1,500 |
| BAPPG-BayAreaPollutnPreventGrp | BDO Interest Income | 3,079 | - | - | 29 | - | - | 72 | 72 | 3,007 |
| BAPPG TOTAL | | 83,584 | - | - | 50,029 | - | 28,259 | 50,818 | 79,077 | 4,507 |
| BACWA Legal Reserve Fnd | BDO Interest Income | - | - | - | 276 | - | - | 675 | 675 | (675) |
| LEGAL RSRV TOTAL | | - | - | - | 276 | - | - | 675 | 675 | (675) |
| WQA-WtrQualityAttainmntStratgy | BDO Member Contributions | 450,000 | - | - | - | - | 324,030 | - | 324,030 | 125,970 |
| WQA-WtrQualityAttainmntStratgy | BDO Interest Income | 1,600 | - | - | 238 | - | - | 412 | 412 | 1,188 |
| WQA CBC TOTAL | | 451,600 | - | - | 238 | - | 324,030 | 412 | 324,442 | 127,158 |
| BACWA OperatingRsrve Fnd | BDO Interest Income | - | - | - | 139 | - | - | 341 | 341 | (341) |
| BACWAOPRES TOTAL | | - | - | - | 139 | - | - | 341 | 341 | (341) |

BACWA Revenue Report for December 2011

| DEPARTMENT | REVENUE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | YEAR TO DATE | | | | UNOBLIGATED |
|--------------------------------|--------------------------------|-------------------|----------------|---------------|------------|--------------|----------------|----------------|----------------|------------------|
| | | | DIRECT | INVOICED | JVS | DIRECT | INVOICED | JVS | ACTUAL | |
| Regional Water Recycling | BDO Interest Income | - | - | - | 15 | - | - | 37 | 37 | (37) |
| RWR TOTAL | | - | - | - | 15 | - | - | 37 | 37 | (37) |
| WOT - Wtr/Wwtr Operat Training | BDO Member Contributions | 150,000 | - | - | - | - | 68,246 | (6,746) | 61,500 | 88,500 |
| WOT - Wtr/Wwtr Operat Training | BDO Interest Income | - | - | - | 116 | - | - | 222 | 222 | (222) |
| WOT TOTAL | | 150,000 | - | - | 116 | - | 68,246 | (6,524) | 61,722 | 88,278 |
| Prop84BayAreaIntegRegnlWtrMgmt | Agency Prefunding Admin Exp | - | - | 29,500 | - | - | 29,500 | 21,500 | 51,000 | (51,000) |
| PRP84 TOTAL | | - | - | 29,500 | - | - | 29,500 | 21,500 | 51,000 | (51,000) |
| WQA Emergency Resrve Fnd | BDO Interest Income | - | - | - | 368 | - | - | 900 | 900 | (900) |
| WQA EMERG TOTAL | | - | - | - | 368 | - | - | 900 | 900 | (900) |
| WQA Tech Action Fund | BDO Interest Income | - | - | - | 230 | - | - | 563 | 563 | (563) |
| TECHACTION TOTAL | | - | - | - | 230 | - | - | 563 | 563 | (563) |
| CBC Operating Resrve Fnd | BDO Interest Income | - | - | - | 149 | - | - | 365 | 365 | (365) |
| CBC OPRSRV TOTAL | | - | - | - | 149 | - | - | 365 | 365 | (365) |
| Prop50BayAreaIntegRegnlWtrMgmt | BDO Interest Income | - | - | - | 188 | - | - | 821 | 821 | (821) |
| Prop50BayAreaIntegRegnlWtrMgmt | BDO Administrative Expense | - | - | - | - | - | 19,661 | - | 19,661 | (19,661) |
| Prop50BayAreaIntegRegnlWtrMgmt | Contra Costa Regional Intertie | - | - | - | - | - | - | - | - | - |
| Prop50BayAreaIntegRegnlWtrMgmt | EBMUD Richmond RWP | - | - | - | - | - | - | - | - | - |
| Prop50BayAreaIntegRegnlWtrMgmt | Pacifica RWP | - | - | - | - | - | 669,960 | - | 669,960 | (669,960) |
| Prop50BayAreaIntegRegnlWtrMgmt | Montara Groundwater Project | - | - | - | - | - | 3,710 | - | 3,710 | (3,710) |
| Prop50BayAreaIntegRegnlWtrMgmt | Alameda Creek Phase 2 Fish | - | - | - | - | - | - | - | - | - |
| PRP50 TOTAL | | - | - | - | 188 | - | 693,331 | 821 | 694,153 | (694,153) |

BACWA Expense Report for December 2011

| DEPARTMENT | EXPENSE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | | YEAR TO DATE | | | | OBLIGATED | UNOBLIGATED |
|--------------------------------|--------------------------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------|---------------|----------------|-----------------|
| | | | ENC | PV | DA | JV | ENC | PV | DA | JV | | |
| Bay Area Clean Water Agencies | BC-Collections System | 25,000 | - | - | - | - | 16,927 | 8,073 | - | - | 25,000 | - |
| Bay Area Clean Water Agencies | BC-Permit Committee | 25,000 | - | - | - | - | 16,096 | 8,904 | - | - | 25,000 | - |
| Bay Area Clean Water Agencies | BC-Water Recycling Committee | 19,000 | - | - | - | - | 4,026 | 13,744 | - | - | 17,770 | 1,231 |
| Bay Area Clean Water Agencies | BC-Biosolids Committee | 5,000 | - | - | - | - | - | - | - | - | - | 5,000 |
| Bay Area Clean Water Agencies | BC-InfoShare Groups | 25,000 | - | - | - | - | 20,375 | 4,626 | - | - | 25,000 | - |
| Bay Area Clean Water Agencies | BC-Laboratory Committee | 7,000 | - | - | - | - | - | - | - | - | - | 7,000 |
| Bay Area Clean Water Agencies | BC-Miscellaneous Committee Sup | 61,000 | 422 | 4,578 | - | - | 33,818 | 7,032 | - | - | 40,850 | 20,150 |
| 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 | 6,000 | (550) | 550 | - | - | 3,254 | 5,908 | - | - | 9,162 | (3,162) |
| 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 | - | 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 | - | - | - | 500 | - | 500 | - |
| Bay Area Clean Water Agencies | CAR-BACWA Annual Report | 15,000 | - | - | - | - | 1,903 | 13,997 | 1,052 | - | 16,952 | (1,952) |
| Bay Area Clean Water Agencies | CAR-BACWA Website Development/ | 35,000 | (312) | 312 | 720 | - | 7,795 | 1,705 | 1,220 | - | 10,720 | 24,280 |
| Bay Area Clean Water Agencies | AS-BACWA Admin Expense | 15,000 | - | - | 293 | - | - | - | 1,588 | - | 1,588 | 13,412 |
| Bay Area Clean Water Agencies | CAR-Other Communications | 5,000 | - | - | - | - | - | - | - | - | - | 5,000 |
| Bay Area Clean Water Agencies | SP-BAPPG Contribution | 50,000 | - | - | - | 50,000 | - | - | - | 50,000 | 50,000 | - |
| Bay Area Clean Water Agencies | GBS-Contingency | 46,000 | - | - | 10,000 | - | - | - | 10,000 | - | 10,000 | 36,000 |
| Bay Area Clean Water Agencies | GBS- Meeting Support | 17,000 | - | - | - | - | 819 | 181 | 4,641 | - | 5,641 | 11,359 |
| Bay Area Clean Water Agencies | AS-Executive Director | 135,500 | (11,645) | 11,645 | - | - | 81,527 | 57,413 | - | - | 138,940 | (3,440) |
| Bay Area Clean Water Agencies | AS-Assistant Executive Directo | 70,000 | (9,382) | 9,382 | - | - | 41,268 | 26,932 | - | - | 68,200 | 1,800 |
| Bay Area Clean Water Agencies | AS-EBMUD Administrative Servic | 40,000 | 22,075 | 17,925 | - | - | 22,075 | 17,925 | - | - | 40,000 | - |
| Bay Area Clean Water Agencies | AS-Insurance | 5,000 | - | - | - | - | - | - | 3,729 | - | 3,729 | 1,271 |
| BACWA TOTAL | | 624,000 | 608 | 44,392 | 12,513 | 50,000 | 251,882 | 166,439 | 28,729 | 50,000 | 497,051 | 126,949 |
| BACWA Training Fund | BDO Fund Transfers | - | - | - | - | - | - | - | - | 5,000 | 5,000 | (5,000) |
| TRNG FND TOTAL | | - | - | - | - | - | - | - | - | 5,000 | 5,000 | (5,000) |
| AIR-Air Issues&Regulation Grp | BDO Administrative Expense | 4,040 | - | - | - | 4,040 | - | - | - | 4,040 | 4,040 | - |
| AIR-Air Issues&Regulation Grp | BDO Contract Expenses | 80,790 | - | - | - | - | 59,380 | 48,905 | 500 | - | 108,785 | (27,995) |
| AIR TOTAL | | 84,830 | - | - | - | 4,040 | 59,380 | 48,905 | 500 | 4,040 | 112,825 | (27,995) |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Fog | 20,800 | 6,100 | - | 81 | - | 17,074 | 1,925 | 81 | - | 19,080 | 1,720 |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Mercury | 8,500 | (1,510) | 1,510 | - | - | 4,924 | 2,116 | - | - | 7,040 | 1,460 |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Pesticides | 10,000 | - | - | - | - | - | - | 10,000 | - | 10,000 | - |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Copper | 9,000 | (3,730) | 680 | - | - | 4,181 | 1,728 | - | - | 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 | 8,000 | - | - | - | - | 2,000 | - | - | - | 2,000 | 6,000 |
| BAPPG-BayAreaPollutnPreventGrp | BAPPG-CE-Other | 11,000 | (427) | 3,477 | - | - | 1,573 | 3,477 | - | - | 5,050 | 5,950 |
| BAPPG-BayAreaPollutnPreventGrp | BDO Administrative Expense | 3,815 | - | - | - | 3,815 | - | - | - | 3,815 | 3,815 | - |
| BAPPG TOTAL | | 80,114 | 433 | 5,667 | 81 | 3,815 | 29,832 | 10,666 | 10,081 | 3,815 | 54,394 | 25,720 |

BACWA Expense Report for December 2011

| DEPARTMENT | EXPENSE TYPE | AMENDED BUDGET | CURRENT PERIOD | | | | YEAR TO DATE | | | | OBLIGATED | UNOBLIGATED |
|--------------------------------|--------------------------------|-------------------|-----------------|--------------|---------------|--------------|----------------|---------------|------------------|---------------|------------------|--------------------|
| | | | ENC | PV | DA | JV | ENC | PV | DA | JV | | |
| WQA-WtrQualityAttainmntStratgy | WQA-CE-Technical Support | 214,600 | (5,000) | - | - | - | 106,734 | 61,936 | 9,999 | - | 178,669 | 35,931 |
| WQA-WtrQualityAttainmntStratgy | WQA-CE-Collaborations & Sponso | 77,000 | - | - | 43,750 | - | - | - | 98,750 | - | 98,750 | (21,750) |
| WQA-WtrQualityAttainmntStratgy | WQA-CE-Commun. & Reporting | 70,000 | (5,920) | 5,920 | - | - | 27,120 | 9,880 | - | - | 37,000 | 33,000 |
| WQA-WtrQualityAttainmntStratgy | WQA-CE-Other | 90,000 | (239) | 239 | - | - | 3,554 | 16,284 | - | - | 19,838 | 70,162 |
| WQA CBC TOTAL | | 451,600 | (11,159) | 6,159 | 43,750 | - | 137,409 | 88,099 | 108,749 | - | 334,257 | 117,343 |
| | | | | | | | | | | | | |
| WOT - Wtr/Wwtr Operat Training | BDO Administrative Expense | 2,500 | - | - | - | 2,500 | - | - | - | 2,500 | 2,500 | - |
| WOT - Wtr/Wwtr Operat Training | BDO Contract Expenses | 140,000 | - | - | - | - | - | - | 87,000 | - | 87,000 | 53,000 |
| WOT TOTAL | | 142,500 | - | - | - | 2,500 | - | - | 87,000 | 2,500 | 89,500 | 53,000 |
| | | | | | | | | | | | | |
| Prop84BayAreaIntegRegnlWtrMgmt | BDO Administrative Expense | - | (6,545) | 6,545 | - | - | 23,455 | 6,545 | - | - | 30,000 | (30,000) |
| PRP84 TOTAL | | - | (6,545) | 6,545 | - | - | 23,455 | 6,545 | - | - | 30,000 | (30,000) |
| | | | | | | | | | | | | |
| Prop50BayAreaIntegRegnlWtrMgmt | BDO Fund Transfers | - | - | - | - | - | - | - | - | 21,500 | 21,500 | (21,500) |
| Prop50BayAreaIntegRegnlWtrMgmt | BDO Administrative Expense | - | (45) | 45 | 366 | - | 1,596 | 404 | 366 | 1,040 | 3,406 | (3,406) |
| Prop50BayAreaIntegRegnlWtrMgmt | BDO Contract Expenses | - | - | - | - | - | 56,827 | 8,486 | - | - | 65,312 | (65,312) |
| Prop50BayAreaIntegRegnlWtrMgmt | Contra Costa Regional Intertie | - | - | - | - | - | - | - | 50,000 | - | 50,000 | (50,000) |
| Prop50BayAreaIntegRegnlWtrMgmt | Regional Conservation | - | - | - | - | - | - | - | 18,500 | - | 18,500 | (18,500) |
| Prop50BayAreaIntegRegnlWtrMgmt | EBMUD Richmond RWP | - | - | - | - | - | - | - | 212,760 | - | 212,760 | (212,760) |
| Prop50BayAreaIntegRegnlWtrMgmt | South Bay Advanced Regional RW | - | - | - | - | - | - | - | 5,786 | - | 5,786 | (5,786) |
| Prop50BayAreaIntegRegnlWtrMgmt | Pacifica RWP | - | - | - | - | - | - | - | 673,117 | - | 673,117 | (673,117) |
| Prop50BayAreaIntegRegnlWtrMgmt | Montara Groundwater Project | - | - | - | - | - | - | - | 5,241 | - | 5,241 | (5,241) |
| Prop50BayAreaIntegRegnlWtrMgmt | Alameda Creek Phase 2 Fish | - | - | - | - | - | - | - | 60,469 | - | 60,469 | (60,469) |
| PRP50 TOTAL | | - | (45) | 45 | 366 | - | 58,423 | 8,890 | 1,026,240 | 22,540 | 1,116,093 | (1,116,093) |

Report to BACWA Board from AIR Committee (February 2012)

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

Recent Committee Actions:

| | |
|---------------------------------|--|
| Recent Committee Actions | Last Committee Meeting was held on January 25, 2012, at the CH2M HILL Office in Oakland, and included an in-person discussion with the Bay Area Air Quality Management District (BAAQMD) Director of Compliance & Enforcement, Brian Bateman. He presented on local, state and federal air issues and regulatory updates, which included a very useful group discussion with him during the first half of our meeting. This session was followed by our standard air and climate change regulatory updates by CH2M HILL. |
| AIR Website | http://bacwa.org/Committees/AirIssuesRegulations.aspx |

News and Updates:

| | |
|----------------------------------|--|
| BAAQMD Upcoming Workshops | <p><u>Rules Workshop:</u></p> <ul style="list-style-type: none"> BAAQMD is conducting a public workshop to review and discuss draft amendments to District permitting rules to incorporate US EPA mandated requirements for nitrogen dioxide (NO₂), particulate matter less than 2.5 micrometers (PM_{2.5}), and greenhouse gases (GHG) Prevention of Significant Deterioration (PSD) and Title V permitting The objective of these amendments is for the BAAQMD to obtain an approved State Implementation Plan (SIP) for its PSD and nonattainment New Source Review (NSR) programs, which protect public health and welfare from criteria pollutant and GHG emissions Details of Workshop: Date: Wednesday, February 22, 2012 Time: 9:30 am to 12:00 noon Venue: BAAQMD headquarters in the 7th floor Board room 939 Ellis Street, San Francisco <p><u>2012 Fees Workshop:</u></p> <ul style="list-style-type: none"> BAAQMD is conducting a public workshop to review and discuss draft amendments to District Regulation 3: Fees The amendments to the District's fee regulation would be effective on July 1, 2012, and would increase fee revenue in order to help the District recover a greater share of the costs the District incurs in implementing and enforcing regulatory programs for stationary sources of air pollution Details of Workshop: Date: Tuesday, February 28, 2012 Time: 10:00 am to 12:00 noon Venue: BAAQMD headquarters in the 7th floor Board room 939 Ellis Street, San Francisco |
| For more information | http://www.baaqmd.gov/pln/ruledev/workshops.htm |

Report to BACWA Board from AIR Committee (February 2012)

| | |
|--|--|
| CARB GHG Mandatory Reporting Update | <ul style="list-style-type: none"> • Reporting Dates: <ul style="list-style-type: none"> - April 10, 2012: Reports are due for facilities and suppliers of fuels and carbon dioxide, except when subject to Abbreviated Reporting - June 1, 2012: Reports are due for Electric Power Entities, and current reporters subject to Abbreviated Reporting. Facilities that have not previously reported to ARB do not have to file reports until June 1, 2013 (per Title 17, CCR 95103(a)(7)) • Requirements for cogeneration reporters that emitted less than 10,000 metric tons CO_{2e} from general stationary combustion in 2011: <ul style="list-style-type: none"> - Facilities within this category do not need to report or contact CARB at this time, and it is unlikely in the future - However, the issue of cessation for facilities in this category is under review within CARB - If CARB staff determine that further reporting is required for these facilities, CARB staff will notify the facility's designated manager - When the new reporting webtool rolls out on February 22nd, facilities with cogeneration emissions greater than 8,000 in prior years may get notices indicating that they may be subject to reporting to confirm the facility emissions do not exceed the new GSC threshold |
| For more information | http://www.arb.ca.gov/cc/reporting/ghg-rep/ghg-rep-dates.htm . |
| CARB Cap & Trade Update | <ul style="list-style-type: none"> • Regulation approved during CARB Board meeting in December 2011; Regulation became effective as of January 1, 2012 • Biomass emissions, including those from combustion of digester and landfill gas, are excluded • Enforcement of CARB's Cap & Trade rule has been deferred from 2012 to 2013 |
| For more information | http://arb.ca.gov/cc/capandtrade/capandtrade.htm |

Next AIR
Committee
Meeting:

Wednesday, April 18, 2012
Venue: TBD

BAPPG Committee Report to BACWA Board

Meeting Date: February 23, 2012

Prepared By: Sarah Scheidt, City of Sunnyvale, BAPPG Committee Chair

BAPPG 2011 Summary Report

Asian FOG Campaign – BAPPG promoted proper disposal of kitchen fats, oils, and grease (FOG) on Bay Area Asian radio station KVTO that were aired during Lunar New Year and the Super Bowl in 2011. The campaign featured a total of 41 radio spots, 60 seconds each and one PSA aired on KGO-AM 810. In addition, there were 9 online Public Service Announcements placed on various radio stations' websites and an FOG interview that ran in the Vallejo Times-Herald.

Project Champion, Cynthia Royer (Daly City)

BAPPG's Spring Cleaning Campaign - BAPPG contracted with O'Rourke and Associates & Addamer for a makeover and re-launch of the Baywise.org website, featuring an eco-home for visitors to tour. A media campaign, comprised of online banner ads with three Bay Area News Group sites (contracostatimes.com, insidebayarea.com and mercurynews.com), on sfgate.com, on Facebook and precisely geo-targeted ads on several websites via Placecast, achieved almost 6 million impressions and drove four-times the usual visitors to Baywise.org. The website redesign launched on March 14 and continues to be promoted with BAPPG's campaigns.

Project Champions, Jen Jackson (formally EBMUD), Karin North (Palo Alto)

Copper Plumbing Outreach - BAPPG funded Stephanie Hughes to conduct outreach to plumbing unions (UAL 467), the Greater Bay Area Association of Plumbing, Heating and Mechanical Contractors and Laney College Plumbing for Contractors Class. The outreach campaign describes the potential impact of copper pipe corrosion to drinking water quality and the Bay environment, and then presents the key steps that prevent/minimize pipe corrosion, from system design through pipe installation and building operation. In 2011, a total of 69 participants received presentations.

Project Champion, Meg Gale (SFPUC)

Dental School Outreach - BAPPG funded Stephanie Hughes to conduct outreach to colleges and dental affiliated societies. The presentation includes information about disposal of hazardous waste (primarily amalgam and silver fixer waste) as well as information about antibacterial soaps and the link between pharmaceutical disposal and endocrine disruption. In 2011, Ms. Hughes updated the PowerPoint presentation to reflect a demand for more insights regarding medical waste and sharps disposal. Ms. Hughes provided the 60 or 90 minute presentation to a total of 537 participants at 11 separate schools/events.

Project Champion, Melody LaBella (CCCSD)

Educating Hospice Nurses on Proper Medicine Disposal –

BAPPG partnered with Teleosis Institute staff to create and deliver a 1-hour comprehensive educational presentation to provide nurses with necessary education about proper pharmaceutical waste disposal and hospice facilities with up-to-date patient information about take-back programs in their area. Dr. Joel Kreisberg gave the presentation to five local hospices and two community health clinics in the Bay Area. More than 79 nurses and clinical staff attended. In addition, Teleosis created nine county handouts, including both a 3-panel brochure and 1-page flyer, listing medicine take-back sites in each Bay Area County. Updated lists of take-back sites for each county were provided to local agencies and online directories.

For the complete Final Report, reference the BAPPG Yahoo Groups File list.

<http://xa.yimg.com/kg/groups/11088666/988078274/name/2011%20Teleosis%20Hospice%20Education%20Program%20Final%20Report.pdf>

Project Champion, Karin North (Palo Alto)

Our Water Our World - BAPPG continued its joint sponsorship of the Our Water Our World Program in partnership with BASMAA. Accomplishments for 2011 include:

- Coordinated master print run of the following: fact sheets, shelf talkers, literature rack signage, beneficial bug brochure, magnet, Pest or Pal activity guide for kids, pocket guide and Pests Bugging You? booklet
- Updated less-toxic Product Lists: Master – by brand name version; by pest version, and OSH and Home Depot-specific lists/labels.
- Coordinated program implementation with major chains Home Depot, Orchard Supply Hardware, and Ace Hardware National. OSH reported, “natural insecticides” sales down 13.7% compared to the previous year, but sales of all pesticides were also down compared to the previous year.
- Maintained Our Water, Our World website
- Provided Ask-the-Expert service
- Provided and staffed exhibitor booths
 - ✓ NorCal trade show (February 2011)
 - ✓ Excel Gardens Dealer Show, Las Vegas (August 2011)
 - ✓ CASQA Conference (presentation only) (September 2011)
 - ✓ L&L Dealer Show, Reno (October 2011)
- Provided on-call assistance (e.g., display set-up, training, IPM materials review) to specific stores (e.g., OSH, Walgreens)
- Provided print advertising and articles – Chinook Book
- Provided print advertising – Bay Nature magazine; Bringing Back the Natives Garden Tour’s garden guide
- Received newspaper article mention – San Jose Mercury News (March 2011)
- Conducted annual strategy meeting with OSH (October 2011)
- Sponsored Save the Bay 50th Anniversary Gala (<http://bay.chinookbook.net/articles/2011/11/3/save-the-bay-50thanniversarygala-co-sponsored-by-our-water-o.html>) (November 2011)

Project Champion, Jennifer Kaiser, VSFCD

Turkey Fryer Stickers –targeting the Thanksgiving holiday season, BAPPG conducted outreach encouraging proper disposal of turkey fryer oil. Various BAPPG agencies distributed 240 posters and over 1,300 stickers (placed on turkey fryers) to retail stores.

Project Champion, Cassie Prudhel (City of South San Francisco)

BAPPG Spanish Radio FOG Advertisements – BAPPG promoted proper disposal of kitchen fats, oils, and grease on Bay Area Univision Spanish radio stations and websites between Thanksgiving and New Year's Day. The campaign featured a total of 194 radio spots making 2.1 million gross impressions.

Project Champion, Sandra Freitas and Sharon Newton (City of San Jose)

Wood Burning Campaign - BAPPG coordinated with Bay Area Air Quality Management District's (BAAQMD) Spare the Air campaign by placing online Facebook ads encouraging residents not to burn wood (dioxin), especially on "Spare the Air" days. In coordination with this campaign, a press release was issued by BAAQMD, BAPPG and BASMAA, encouraging residents not to burn wrapping paper.

Project Champion, Melody LaBella (CCCSD)

Green Chemistry Initiative Tracking and Advocacy - BAPPG continued to track the state's Green Chemistry Initiative. In December, BAPPG members drafted and submitted a comment letter to DTSC, on behalf of BACWA, on the informal Draft Regulation for Safer Consumer Products currently in development. The detailed comments aim to ensure that the regulations are sufficiently robust to address products that threaten harm to the water environment and our public infrastructure.

Project Champion, Melody LaBella (CCCSD)

For questions or more information about the BAPPG, contact current BAPPG leadership:

Chair Sarah Scheidt (City of Sunnyvale)

sscheidt@ci.sunnyvale.ca.gov

Vice Chair Catherine Allin (City of Millbrae)

callin@ci.millbrae.ca.us

Get Connected!

Listserv: Member agency staff may request access to BAPPG's yahoo group list serve by clicking on "Join This Group!" at <http://groups.yahoo.com/group/BAPPG>

Meetings: Held in Oakland at the State Building, our meetings are open to member agency staff. Our calendar is available at www.bacwa.org

Membership: BAPPG welcomes agencies outside the nine Bay Area Counties to become members. We all benefit from sharing information, as do the waterways we work to protect! Contact this year's leaders for more information.

Many of BAPPG's presentations, documents and graphics are available at www.bappg.org

Biosolids Committee

Report to BACWA Board

Committee Meeting Date: Feb 9, 2012
Executive Board Meeting Date: Feb 23, 2012

Prepared By : Matt Krupp, Committee Chair

Committee Request for Board Action:

Authorized use of funds in an amount not to exceed \$2,000 to allow a representative, Zachary Kay, co-chair from the Biosolids committee to attend the WEF 2012 Biosolids conference.

Business Discussed and Action Items from Committee Meeting:

| Business | Action Item | Due Date |
|---|--|----------|
| <u>Biosolids Factsheet</u> Biosolids use Factsheet will be designed by San Jose in-house staff. | | |
| <u>Solano County</u> Bonnie Jones, SFPUC, Rich Currie, USD, Matt Krupp, San Jose, and Lorrie Loder, Synagro met with two County supervisors to discuss renewal and modification to the land application ordinance. | Annual Report, prepared by Rich Currie, will be presented to Solano County Board at a Feb 28 supervisors meeting. The ordinance is planned for discussion and renewal in June prior to the ordinance expiring in October. | |
| <u>Bay Area Biosolids to Energy</u> Regional Facility Selection Process: In the intervening period between the 2010 short-listing and today, the BAB2E group has become aware of further technology advancements and new market entrants and has therefore decided to provide existing short-listed firms an opportunity to update their SOQs and invite SOQs from other groups to be considered. The RFQ is to be issued within the next 6-8 weeks. This has been discussed with the existing shortlisted teams. The RFP is planned to be issues within the next 12 months. The Intellergy Demonstration Project is still postponed due to delay in financing; the hope is that the match funding is in place within the next 4-5 weeks to enable the project to proceed. | | |

| | | |
|---|--|--|
| <u>Issues</u> Working with CASA and Tri-TAC on proposed food waste and FOG regulations | | |
|---|--|--|

Other Issues of Note:

- None

Next Committee Meeting: May 9, 2012, 1:30 to 3:30 pm, at the Santa Rosa Biosolids Composting Facility.

Collection Systems Committee Report to BACWA Board

February 16, 2012
From: Andy Morrison, Committee Chair
Prepared By: Andy Eggleston

Committee Request for Board Action:

None

Highlights of New Items Discussed and Action Items

Cross Bore Inspections

Jun Chen of Pacific Gas and Electric (PG&E) attended the January committee meeting to talk about coordinating efforts to identify cross bores of gas pipelines through sewer laterals through closed-circuit television (CCTV) inspections. Jun provided Committee members with a list of addresses that PG&E is interested in (locations where PG&E has installed gas lines by trenchless methods prior to 2010), and offered to reimburse agencies for CCTV inspections of those lines. He suggested that PG&E would be willing to purchase existing video or to cover costs of new inspections. In addition to the inspection program, starting in February 2012 PG&E will be distributing outreach material to hardware, plumbing and construction supply stores to educate plumbers about cross bores. Additional information about cross bores is available at <http://www.crossboresafety.org> and <http://www.pge.com/myhome/edusafety/gaselectricsafety/sewercleaningsafety/>.

SSS WDR Revisions Update

The State Water Board held a workshop on Tuesday, January 24, 2012 to present information about the status of the proposed revisions to the Statewide Sanitary Sewer System Waste Discharge Requirements. State Water Board staff shared proposed solutions to many of controversial issues that were raised in the numerous public comment letters received last year. Many of the ideas were consistent with BACWA's position. However, resolution on two issues of significance has yet to be reached:

- NPDES Permit - Although State Water Board staff still holds their original position that a combination WDR/NPDES permit is inappropriate at this time, additional stakeholder discussion is expected to occur on this issue at the request of State Water Board member Tam Doduc.
- Private Lateral SSO Reporting - While Water Board staff has reversed their proposal for mandatory reporting of sanitary sewer overflows from private sewer laterals that agency staff become aware of, they would like to work with stakeholders to develop an alternative approach to minimizing private lateral overflows.

Tech Topic: Siphon Cleaning

The Tech Topic series continued with a round-robin discussion of techniques in use around the Bay Area for cleaning siphons. Committee members have developed many creative solutions to the unique challenges associated with siphon sewer cleaning. A summary of cleaning practices and maintenance considerations presented during the discussion is attached to this Report and will be posted to the BACWA website.

Next BACWA Collection Systems Committee Meeting

Our next meeting will be held on Thursday, March 1, 2012, from 1:30 – 3:00 PM at the Union Sanitary District (weather permitting), for a demonstration of their unique sanitary sewer overflow (SSO) flow estimation training facilities. Union Sanitary District is located at 5072 Benson Road, Union City, CA 94587.

Bay Area Clean Water Agencies
Collection System Committee

Siphon Cleaning Practices

Notes from a Round-Robin Committee Discussion on January 26, 2012

Cleaning Schedules, Methods and Equipment:

- Siphons are cleaned once every quarter with a hydro jetter.
- Siphons are cleaned once every two weeks with a hydro jetter.
- Siphons are cleaned with a hydro jetter and vactor.
- Some siphons are cleaned once a month. Cleaning techniques for these are the same as for other lines. Pipes directly downstream are included on the same cleaning schedule as the siphon.
- Cleaning of bigger siphons is contracted out.
- Siphons are dewatered and inspected once a year.
- Siphons are cleaned biannually using a Bulldog nozzle on the hydro jetter.
- Some siphons are cleaned once a month.
- Siphons are cleaned once every 90 days.
- One agency has a double-barrel siphon that is cleaned once every two months.
- One agency is experimenting with Super Slam (a 12-jet high volume nozzle), for cleaning siphons.
- Several agencies reported that Smart Covers had been installed upstream of the siphons, so that flow levels could be monitored and cleaning needs anticipated.
- Siphons are cleaned early in the morning (around 4:00 am). The siphon is blocked and then vacuumed out quickly enough so as to minimize backup. This tactic does not work as well with high flow lines, so the agency is looking into contracting out cleaning of these lines.
- Single-barrel siphons are pumped out before cleaning.
- For double barrel siphons, one barrel is shut off at a time, allowing the other to be cleaned.
- When both barrels of a double-barrel siphon were left open, flow tended to favor one side, while grit built up faster in the other. In order to avoid this problem, now only one barrel of each double-barrel siphon is left open at a time.
- It was suggested that a trash pump with suction hose inserted into the siphon might be a viable cleaning method.

Grease:

- Grease is combated through an aggressive cleaning schedule (the siphon is cleaned once every two weeks with a hydro jetter), and through Fats, Oils and Grease (FOG) Program enforcement.

- Two different types of lift station degreaser (products by Windsor and Omega), are used for siphons. The degreaser is applied during the second week of the month and then followed-up with hydroflushing during the forth week.
- CalFOG.org should include a side-by-side comparison on degreasers (surfactants, enzymes, etc.).
- One agency has used Bioamp from Chemsearch on pump stations, which keeps grease softer and easier to handle.

Other Notes:

- Some of the original siphon installations included upstream grit boxes. These boxes proved to be helpful, so some additional upstream catch basins were also added. Once a month the boxes are checked and vacuumed out as needed.
- One large siphon located under an estuary is particularly challenging to maintain. Approximately a foot of grease had accumulated in the siphon. A Sewer Hog worked well to clean grease and silt above the water line, but it has been difficult to determine conditions below the water line.
- One agency reported that siphons were being removed from the system wherever possible, usually by digging deeper lines. Although expensive, this is the preferable solution. In addition, plans for any new development that include siphons are not approved as such.
- A triple-barrel siphon configuration with elevation changes has been developed, which may also prove useful for odor control.

Permits Committee –
Report to BACWA Board

Reporting Date: 2/17/12
Executive Board Meeting Date: 2/23/2012
Committee Chair: Jim Ervin

Committee Request for Board Action: None.

Adoption of Permits/Permit Amendments –

Jan – East Bay Dischargers Authority, Dublin San Ramon Services District, City of Livermore, and City of Pacifica permits were adopted as expected.

Feb – North San Mateo County Sanitation District permit was adopted as expected. Central Contra Costa Sanitary District was adopted with a supplemental calling for a series of special studies for Suisun Bay. Vallejo Sanitation and Flood Control District was pulled from the uncontested calendar and adopted as presented in the Board packet.

Apr – Rodeo Sanitation District is on schedule.

Mercury/PCBs Watershed Permit: The deadlines for (1) indicating the intention of participating in the mercury group report, (2) mercury forms and (3) PCBs P2 activities reported on in P2 annual report were all reviewed at the January 10 BACWA Permits Committee meeting. Committee members were informed that the P2 requirements for PCBs only apply to an agency that is doing a stormwater diversion pilot project under the Municipal Regional Permit (MRP) for stormwater, in which case the service area tributary to that pump station should have P2 for PCBs conducted. The San Francisco Estuary Project (SFEP) has prepared a significant amount of information related to P2 for PCBs, which can be found at <http://www.sfestuary.org/projects/detail.php?projectID=29>. BAPPG is also doing a fact sheet on pollution prevention for PCBs.

As of February 15, the deadline for submitting mercury forms, 100% of Bay Area municipal wastewater treatment agencies submitted mercury forms, although more agencies submitted their forms at a later date than in previous years. The group mass load for 2011 is currently being calculated. It was also reiterated at the January committee meeting that there is no group reporting for PCBs.

Regional Water Board Staff News: Dylan Garner was recently hired by the Regional Water Board to write permits and also manage the Pollution Prevention Program, as Heather Ottaway used to do (she left in June 2011). Dylan is a UC Davis graduate.

Triennial Review: It was noted at the February committee meeting that Regional Water Board staff intend to have a workshop to discuss the next triennial Basin Plan review process in March. A date has not yet been set.

BACWA Group Reporting: In mid-January 2012 Amy Chastain finalized two letters, one called the BACWA NPDES Reporting Letter which covered mercury, PCBs copper, cyanide, RMP participation and SSO and TMDL activities generally; and one called the Risk Reduction Report, covering mercury and PCBs risk reduction. These letters are intended to provide compliance for region-wide activities that are also required in individual NPDES permits. Also, for copper, it was noted at the January committee meeting that BAPPG trains plumbers and is also doing an update of related materials. BAPPG is also working on a pool/spa fact sheet.

eSMR: Contents of the annual report for 2011, due February 1, were discussed at the January committee meeting, especially noting that if electronic reporting was conducted continuously during the year, there are fewer items to report. It was noted that there are changes to the annual and semi-annual pretreatment reports as a result of the Attachment H (pretreatment) permit amendment adopted in March 2011. February 28 is the new due date for the annual pretreatment report.

Toxicity Policy / Toxicity Workgroup: A workshop was held on January 18 at San Jose to discuss toxicity testing and the statewide policy under development. Roughly 30 people attended. The next Toxicity Workgroup meeting will be at SF PUC in early March.

Nutrients 13267 letter: Water Board staff has discussed likelihood of issuing a 13267 letter requiring all San Francisco Bay municipal dischargers to submit nutrient data over the next two years. Large dischargers would monitor effluent twice per month. Small dischargers would monitor effluent monthly. The definition of Large versus Small discharger needs to be worked out. The rough estimate of cost for this monitoring is \$300 to \$500 per event.

Next BACWA Permits Committee Meeting: Tuesday, March 13th, 2012, at EBMUD Plant Library.

Recycled Water Committee

Report to BACWA Board

February 16, 2012

Prepared By: Cheryl Muñoz
Committee Chair

Committee Requests for Board Action:

None.

Business Discussed and Action Items:

| Business | Discussion |
|---------------------------------------|---|
| BAIRWMP and Prop 84 Updates | <u>BAIRWMP Updates</u> <ul style="list-style-type: none">• Planning Grant<ul style="list-style-type: none">○ The Plan Update Team is preparing the forms to update and add project description for prioritization and inclusion in the IRWMP.○ Project review process is being developed.• Prop. 84 Implementation Grant<ul style="list-style-type: none">○ DWR agreement language is still being discussed. Schedule for completing DWR agreements is dependent on DWR's feedback, followed by review of complete agreement by participants.○ Local Project Sponsor agreement language discussions are also continuing and have not been finalized. |
| Legislative/Regulatory Updates | <u>WaterReuse Association CA Section's Proposed Recycled Water Statutory Re-write (Water Recycling Act of 2012)</u> <ul style="list-style-type: none">• A workshop was held at the Committee's 2/1/12 meeting. Mary Grace Pawson, Chair of the WaterReuse CA Section's Legislative/Regulatory Committee led the discussion on the text of the Draft Water Recycling Act of 2012.• The purpose of re-write is to revise the regulations rather than implementing a series of smaller "fixes" in numerous sections that would distinguish recycled water from the legislative framework for the discharge of waste. It would also advance a structure for maximizing the use of recycled water while protecting public health.• Committee decided to draft, and submit a comment letter to WaterReuse based on concerns raised during the workshop discussions. |
| Next RW Committee Meeting | Wednesday, 3/7/12 from 10:00 am to 12:00 pm EBMUD Headquarters, 6 th Floor Conference Room. |

Director's Report to the Board

December 15, 2011 – February 17, 2012

Prepared for the February 23, 2012 Executive Board Meeting

A. ORGANIZATIONAL DEVELOPMENTS

1. **Financial.** The Executive Director (ED) and Assistant Executive Director (AED) processed invoices, reviewed and approved Treasurer's Reports, and continued discussions with EBMUD accounting regarding fund balance reconciliation and Proposition 84 accounting. The ED and AED also prepared mid-year projections for the Fiscal Year 2012 and a draft budget for the Fiscal Year 2013. The projections and proposed budget were reviewed by the Finance Committee in February; materials related to the outcomes of this discussion are included in the February Board meeting materials.
2. **Communications.** The ED prepared and distributed the December and January e-newsletters. The ED and AED prepared for and hosted the Annual Member's meeting, which included development of summaries of regulatory issues and committee accomplishments in 2012. All presentations from the meeting are available on the BACWA website. All feedback on the meeting was very positive.
3. **Other.** During this period, the ED and AED prepared for and held two regular Executive Board meetings, two joint meetings of BACWA and the Regional Water Board, and four special meetings.

B. REGULATORY AFFAIRS

1. **Mercury/PCBs Watershed Permit.** The ED prepared, and submitted on behalf of BACWA and BASMAA, a report demonstrating compliance with the risk reduction requirements of the Watershed Permit. Discussions are currently underway between BACWA, BASMAA, WSPA, SFEI/ASC, CDPH and the Regional Water Board regarding future risk reduction requirements. CDPH may be applying for an EPA grant to continue the efforts – in partnership with SFEI/ASC – initiated during this last permit term and may be requesting support for BACWA and other stakeholders. The level of effort expected from Permittees needs to be clarified prior to the permit reissuance in January 2013.
2. **Nutrients.**
 - All Topic Papers are completed and on the BACWA website. The ED and AED will create a central location on the BACWA website for nutrient-related materials in the next few months.
 - A contract with SFEI to effectuate the scope of work approved by BACWA on February 10 is expected to be finalized within a week.
 - The ED coordinated with members to provide testimony at the CCCSD and VSFCDD permit adoption hearings.
 - The ED requested, and obtained, technical review of the draft section 13267 request for information about nutrients in effluent from consultants and the Permits and Laboratory Committees.

3. ***Whole Effluent Toxicity.*** The ED continued discussions with State and Regional Water Board staff regarding the draft Whole Effluent Toxicity Policy, and participated in the January toxicity workshop in San Jose organized by the Permits Committee chair.
4. ***e-SMR Transition.*** See the materials prepared for February 23, 2012 Executive Board meeting.
5. ***Sanitary Sewer Overflow Waste Discharge Requirements.*** The ED, along with several BACWA members, attended a January State Board workshop on the SSS WDR, at which the Board members expressed interest in not making substantial changes to the existing order.
6. ***Petition list.*** See the materials prepared for February 23, 2012 Executive Board meeting.

C. COLLABORATIONS

1. ***IRWMP/Prop 84/Prop 50.*** BACWA and DWR met in Sacramento in January to discuss outstanding issues related to the Proposition 84 agreement, most of which appear to be resolved. BACWA also continued discussions with Local Project Sponsors regarding their agreements and continues to make progress towards finalizing them.

The IRWM Plan update team met several times during this period to discuss, among other things, the process for soliciting input on plan elements and changes. It was agreed that the functional area representatives would assume responsibility for soliciting their members' input and transmitting it to the Plan update consultant. The ED will coordinate with the Recycled Water Committee Chairs to ensure that resources are available to assist with this process. .



BACWA CHAIR / EXECUTIVE DIRECTOR AUTHORIZATION REQUEST

FILE NO.: 12,623

DATE: December 20, 2011

TITLE: Agreement with O'Rorke for Asian FOG Outreach, FY 2010 - 2011

RECOMMENDED ACTION

Executive Board Chair authorization for an agreement with O'Rorke in an amount not to exceed \$6,100 for media relations support for the Bay Area Pollution Prevention Committee's Fats, Oils, and Grease outreach and education efforts to Asian language communities to be completed by June 30, 2012.

SUMMARY

This contract will provide media relations support for the Bay Area Pollution Prevention Committee's Fats, Oils, and Grease outreach and education work. O'Rorke's work will increase the visibility of BAPPG's FOG campaign by developing and pitching press releases for print media and sending public service announcements for radio.

This project is in the BAPPG fiscal year 2010-2011 work plan and budget approved by the BACWA Executive Board. This work will be carried out under the supervision of Cynthia Royer, North San Mateo County Sanitation District, *a subsidiary of the City of Daly City*.

FISCAL IMPACT

This project is included in the approved Fiscal Year 2011-2012 BAPPG budget and workplan, and sufficient funds are available for this work.

ALTERNATIVES

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

Attachments:

1. Scope of Work
2. Purchase Order

| | |
|------------------------------------|-------------------------|
| Approved By: <u>Ben Horenstein</u> | Date: <u>12/21/2011</u> |
| | |



BACWA CHAIR / EXECUTIVE DIRECTOR AUTHORIZATION REQUEST

FILE NO.: 12,661

DATE: 2/2/2012

TITLE: Agreement with Lilli Keinanen for BAPPG Outreach to Long Term Care Facilities, Hospice, and Day Cares (emphasis on Trash and Sanitary Sewer Overflows)FY 2011 - 2012.

RECOMMENDED ACTION

Chair authorization for an agreement with Lilli Keinanen a graphic designer in an amount not to exceed \$1,700.00, based on a rate of \$80.00/hr, to provide graphic design services for the BAPPG Outreach to Long Term Care Facilities, Hospice and Day Cares campaign to be completed by June 30, 2012.

SUMMARY

This contract will provide support for the Bay Area Pollution Prevention Group's Outreach to Long Term Care Facilities, Hospice, and Day Care with an emphasis on reducing Trash and Sanitary Sewer Overflows. The project entails development of handout(s) to provide information about "Trash in the Toilet" to employees of Long Term Care (LTC) facilities, Hospice, and Day Cares. The consultant will also provide print production quote(s) and produce an electronic file that can be used for print production.

This project is in the BAPPG fiscal year 2011-2012 workplan and budget approved by the BACWA Executive Board. This work will be carried out under the supervision of Robert Wilson, City of Petaluma.

FISCAL IMPACT

This project is included in the approved Fiscal Year 2011-2012 BAPPG budget and workplan, and sufficient funds are available for this work.

ALTERNATIVES

This action is consistent with the BACWA contracting policy and does not require consideration of alternatives.

Attachments:

1. Scope of Work
2. Purchase Order

Approved By: Amy Chastain, BACWA Executive Director

Date: 2/6/2012



AUTHORIZATION TO INCUR TRAVEL EXPENSES

SECTION A – TRAVELER INFORMATION

| | |
|---------------------------|--|
| <u>Name</u> | Matt Krupp |
| <u>Organization:</u> | San Jose/Santa Clara Water Pollution Control Plant |
| <u>BACWA Affiliation:</u> | Biosolids Committee |
| <u>Telephone No.:</u> | 408-429-5236 |
| <u>Email Address:</u> | Matt.krupp@sanjoseca.gov |

SECTION B – REASON FOR TRAVEL

Attend the 2012 WEF Residuals and Biosolids Conference in Raleigh, North Carolina. This conference is the premier biosolids conference in the US. The conference offers educational and technical programs that will enable Matt Krupp, BACWA Biosolids chair, to provide the latest updates on regulatory, legal, and technology trends to address biosolids treatment, reuse, and disposal, to the BACWA Biosolids committee.

SECTION C – TRAVEL DESCRIPTION

| | |
|--------------------------|-------------------------------|
| <u>Number of Days:</u> | 3 (March 26 – March 28, 2012) |
| <u>Location:</u> | Raleigh, NC |
| <u>Travel Method(s):</u> | Air |

SECTION D – BUDGET

| | <u>Amount</u> | <u>Description</u> |
|---------------------|------------------------------|------------------------------------|
| <u>Travel:</u> | \$500 | Airline Ticket |
| <u>Meals:</u> | \$181.50 | \$66 per diem x2, \$49.50 last day |
| <u>Lodging</u> | \$420 | \$140 night for five nights |
| <u>Registration</u> | \$795 | Not a WEF member |
| <u>Other</u> | \$100 | Airport shuttle |
| <u>TOTAL</u> | \$1996.50 (estimated) | |

Submitted By: Matt Krupp, Biosolids Committee Chair, 2/1/2012

Approved By: Amy Chastain, BACWA Executive Director, 2/2/2012 *Amy Chastain*



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 8

FILE NO.: 12,666

MEETING DATE: February 23, 2012

TITLE: WEF Biosolids Conference Attendance

☒ **MOTION**_____ ☐ **RESOLUTION**_____

RECOMMENDED ACTION

Authorize use of funds in an amount not to exceed \$2,000 to allow a representative, Zachary Kay, co-chair from the Biosolids committee to attend the WEF 2012 Biosolids conference.

SUMMARY

The 2011-12 BACWA budget and workplan includes \$5,000 for the Biosolids Committee. The city of San Jose has agreed to provide pro bono graphic design services to support the creation of a Biosolids fact sheet. The Biosolids committee is would like to use the money originally allotted to this Biosolids fact sheet project to allow the co-chair to attend the WEF Biosolids conference, providing an opportunity for professional development that would not be possible otherwise.

FISCAL IMPACT

Of the \$5,000 in the 2011-12 BACWA Biosolids line item, \$2,000 has been obligated to fund Chair attendance of the WEF Biosolids Conference. After approval of this request, \$1,000 will remain unobligated for the remainder of the fiscal year.

ALTERNATIVES

This action does not require consideration of alternatives.

Attachments:

Travel Authorization Form



AUTHORIZATION TO INCUR TRAVEL EXPENSES

SECTION A – TRAVELER INFORMATION

| | |
|---------------------------|---------------------|
| <u>Name</u> | Zachary Kay |
| <u>Organization:</u> | City of Santa Rosa |
| <u>BACWA Affiliation:</u> | Biosolids Committee |
| <u>Telephone No.:</u> | (707) 543-3374 |
| <u>Email Address:</u> | zkay@srcity.org |

SECTION B – REASON FOR TRAVEL

Attend the 2012 WEF Residuals and Biosolids Conference in Raleigh, North Carolina. This conference is the premier biosolids conference in the US. The conference offers educational and technical programs that will enable Zachary Kay, BACWA Biosolids co-chair, to provide the latest updates on regulatory, legal, and technology trends to address biosolids treatment, reuse, and disposal, to the BACWA Biosolids committee.

SECTION C – TRAVEL DESCRIPTION

| | |
|--------------------------|-------------------------------|
| <u>Number of Days:</u> | 4 (March 25 – March 28, 2012) |
| <u>Location:</u> | Raleigh, NC |
| <u>Travel Method(s):</u> | Air |

SECTION D – BUDGET

| | <u>Amount</u> | <u>Description</u> |
|---------------------|------------------------------|------------------------------------|
| <u>Travel:</u> | \$500 | Airline Ticket |
| <u>Meals:</u> | \$247.50 | \$66 per diem x3, \$49.50 last day |
| <u>Lodging</u> | \$560 | \$140 night for five nights |
| <u>Registration</u> | \$575 | WEF member |
| <u>Other</u> | \$100 | Airport shuttle |
| <u>TOTAL</u> | \$1582.50 (estimated) | (Less \$400 NBP reimbursement) |

Submitted By: Matt Krupp, Biosolids Committee Chair, 2/13/2012

Approved By: _____



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 9

FILE NO.: NA

MEETING DATE: February 23, 2012

TITLE: Permit Petition Dismissal

RECOMMENDED ACTION

Authorize the Executive Director to dismiss the National Pollutant Discharge Elimination System (NPDES) petitions listed below, and to a consultant to assist with the dismissals; not to exceed \$4,000 for FY 2011-2012.

SUMMARY

Between 2001 and 2009, BACWA petitioned the State Water Board for review of twenty-five NPDES permits and, concurrently, asked that the State Water Board hold those petitions in abeyance (meaning not act on them until BACWA requested). After a discussion at the Pardee Technical Retreat, the BACWA Board requested that the ED review these petitions and recommend whether some or all of them should be dismissed.

Per the Executive Director's request, the Permits Committee lead consultant, Monica Oakley from RMC, reviewed the issues raised in the petition and has prepared a preliminary summary of outstanding issues and recommended actions. This summary is attached.

The Executive Board was briefed on these petitions in December and expressed general support for dismissing all petitions – with the consent of the permitted agency – except for the following.

| Agency | Date | Issue | Recommendation |
|--|---------|-------------------|---|
| Central Contra Costa Sanitary District | 2/22/07 | Copper | Wait to discard petition until after current permit is renewed (February 2012). |
| Central Marin Sanitation Agency | 2/22/07 | Copper | Wait to discard petition until after current permit is renewed (June 2012). |
| Pinole | 4/13/07 | Copper | Wait to discard petition until after current permit is renewed (August 2012). |
| San Francisco International Airport | 9/9/07 | Pesticides | Decide whether BACWA wants to continue a petition for pesticides issue. |

The Executive Director recommends that the Executive Board authorizes dismissal of these petitions, that it also authorize the Executive Director to retain a consultant, in a not-to-exceed amount of \$4,000, to assist with communicating with the permittees to obtain their consent.

Petition BAR
February 23, 2012

FISCAL IMPACT

Approval of this request will results in BACWA legal costs of approximately \$1,000 and technical support costs of \$4,000. Sufficient funds are available the respective budget lines for this action.

ALTERNATIVES

This action does not require consideration of any alternatives.

Attachments:

1. Full petition summary.

Evaluation of NPDES Permit Appeal Petitions Being Held in Abeyance

DRAFT -- Information is current as of December 15, 2011.

Formatted to print on 11 X 17 paper.

| Agency Name | Date Petition Filed | Issues Appealed ³ | Summary of Issues Resolved ⁴ | Issues Remaining | Recommended Action | Notes |
|---|---------------------|---|--|------------------|--|---|
| Benicia, City of | 9/17/01 | dioxin, mass limits, dilution, mercury, CEQA | Dioxin - R2-2010-0054 Mass Limits - R2-2007-0077 Dilution - No harm is expected from 10:1 dilution instead of actual dilution (ammonia is not addressed in this permit). CEQA - This issue is moot with resolution of the other issues. | None | Dismiss with consent of permittee. | -- Petition A-1473 (SFIA) was used to evaluate CEQA issue. -- CEQA issue was used as leverage for dioxin issue. |
| Burlingame, City of | 2/29/08 | dioxin TEQ, blending | Dioxin - R2-2010-0054 Blending - No harm is expected for this issue alone. | None | Dismiss with consent of permittee. | -- Petition A-1906 (West County Agency) was used to evaluate blending issue. -- Blending issue was appealed because used proposed regulations to require actions, but RWB has been very |
| Central Contra Costa Sanitary District | 7/20/01 | dioxin, mass limits, toxicity, dilution credits | Dioxin - R2-2010-0054 Mass Limits - R2-2007-0077 Toxicity - Numeric limit was converted to narrative triggers in 2007 permit. Dilution - No harm is expected from 10:1 dilution instead of actual dilution (ammonia is not addressed in this permit). | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this petition. |
| Central Contra Costa Sanitary District | 2/22/07 | dioxin TEQ, copper, mercury | Dioxin - R2-2010-0054 Mercury - R2-2007-0077 | Copper | Wait to dismiss until permit is renewed (tent. Feb. 2012.) | -- Other petitions were used to evaluate issues in this petition. -- The SSO was not used for copper limits in this permit. This issue is expected to be resolved with next permit renewal in February 2012) because current Central San TO contains copper limits based on SSO. Leverage should be retained until |

| Agency Name | Date Petition Filed | Issues Appealed ³ | Summary of Issues Resolved ⁴ | Issues Remaining | Recommended Action | Notes |
|---|---------------------|--|---|------------------|--|---|
| Central Marin Sanitation Agency | 2/22/07 | dioxin TEQ, copper, mercury | Dioxin - R2-2010-0054 Mercury - R2-2007-0077 | Copper | Wait to dismiss until permit is renewed (tent. June 2012.) | -- Other petitions were used to evaluate issues in this petition. -- The SSO was not used for copper limits in this permit. This issue is expected to be resolved with next permit renewal (June 2012) because Central San has same issue and current TO contains copper limits based on SSO. Leverage should be |
| Contra Costa County S.D. No. 5, Port Costa (now Crockett Community Services District) | 2/29/08 | mercury, daily limits, compliance schedules | Mercury - R2-2007-0077 Daily Limits - This issue does not warrant an appeal because no harm is expected. Compliance Schedules - R2-2010-0054 | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this petition. -- Compliance schedule issue was for dioxin. |
| Delta Diablo Sanitation District | 4/9/09 | dioxin TEQ, daily limits, compliance schedules | Dioxin - R2-2010-0054 Daily Limits - This issue does not warrant an appeal because no harm is expected. Compliance Schedules - R2-2010-0054 | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this petition. -- Compliance schedule issue was for dioxin. |
| Fairfield-Suisun Sewer District | 5/7/09 | dioxin TEQ, daily limits | Dioxin - R2-2010-0054 Daily Limits - This issue does not warrant an appeal because no harm is expected. | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this petition. |
| Marin County (Tiburon), Sanitary District No. 5 of | 8/6/08 | dioxin, daily limits, compliance schedules, blending | Dioxin - R2-2010-0054 Daily Limits - This issue does not warrant an appeal because no harm is expected. Compliance Schedules - R2-2010-0054 Blending - No harm is expected for this issue alone. | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this petition. -- Blending issue was appealed because used proposed regulations to require actions, but RWB has been very reasonable with these actions. |

| Agency Name | Date Petition Filed | Issues Appealed ³ | Summary of Issues Resolved ⁴ | Issues Remaining | Recommended Action | Notes |
|-------------------------|---------------------|---|--|------------------|--|--|
| Millbrae, City of | 9/9/08 | dioxin, daily limits, compliance schedules | Dioxin - R2-2010-0054 Daily Limits - This issue does not warrant an appeal because no harm is expected. Compliance Schedules - R2-2010-0054 | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this petition. -- Compliance schedule issue was for dioxin. |
| Palo Alto, City of | 5/7/09 | dioxin TEQ, daily limits, compliance schedules | Dioxin - R2-2010-0054 Daily Limits - This issue does not warrant an appeal because no harm is expected. Compliance Schedules - R2-2010-0054 | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this petition. -- Compliance schedule issue was for dioxin. |
| Pinole, City of | 4/13/07 | dioxin, copper, mercury, daily limits, dilution, blending | Dioxin - R2-2010-0054 Mercury - R2-2007-0077 Daily Limits - This issue does not warrant an appeal because no harm is expected. Dilution - No harm is expected from 10:1 dilution instead of actual dilution. (Ammonia is not addressed in this permit.) Blending - No harm is expected for this issue alone. | Copper | Wait to dismiss until permit is renewed (tent. August 2012.) | -- Other petitions were used to evaluate issues in this petition. -- The SSO was not used for copper limits in this permit. This issue is expected to be resolved with next permit renewal August 2012) because Central San has same issue and current TO contains copper limits based on SSO. Leverage should be retained, however. -- Blending issue was appealed because RWB used proposed regulations to |
| Rodeo Sanitary District | 10/18/01 | dilution, improper limits, CEQA | Dilution - No harm is expected from 10:1 dilution instead of actual dilution. (Ammonia is not addressed in this permit.) Improper Limits - It's expected that this issue refers to dioxin and/or mercury limits, which have been resolved through R2-2010-0054 and R2-2007-0077. CEQA - This issue is moot with resolution of the other issues. | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this petition. -- The "improper limits" issue was appealed in conjunction with other issues, so some issues may be missing from the list for this POTW. -- There has been turnover at this District since 2001 and it's very possible that the current staff are not even aware of this petition. |

| Agency Name | Date Petition Filed | Issues Appealed ³ | Summary of Issues Resolved ⁴ | Issues Remaining | Recommended Action | Notes |
|---|---------------------|--|--|-----------------------------|--|---|
| San Francisco (City & County/ S.F.I.A.) | 4/19/02 | dioxin, mass, daily, Cu, 44-DDE, dieldrin, PPP, CEQA | <p>Dioxin - R2-2010-0054</p> <p>Mass Limits - R2-2007-0077</p> <p>Daily Limits - This issue does not warrant an appeal because no harm is expected.</p> <p>Copper - Resolved with SSO; current permit Cu limits are fine and based on SSO.</p> <p>4,4-DDE and Dieldrin - Resolved with 2005 SIP changes (no effluent limits if above WQO in receiving water and all effluent non-detect).</p> <p>PPP - Pollution Prevention Plans are no longer required per se (only the annual reports), which are not causing harm, and PMPs are only now required consistent with SIP requirements.</p> <p>CEQA - This issue is moot with resolution of the other issues.</p> | None | Dismiss with consent of permittee. | |
| San Francisco (City & County/ S.F.I.A.) | 9/9/07 | dioxin, mercury, pesticides, compliance schedules | <p>Dioxin - R2-2010-0054</p> <p>Mercury - R2-2007-0077</p> <p>Pesticides - May be local issue; or may have been added as lower priority issue.</p> <p>Compliance Schedules - R2-2010-0054</p> | None, or pesticides (maybe) | Decide whether BACWA wants to continue a petition for pesticides issue. If pesticides in this context not a BACWA issue, notify State Water Board (SWB) to discard petition, and notify Regional Water Board and POTW of this action | -- Pesticides in the permit all had reasonable potential (RP), and therefore effluent limits are required by SIP. The RP may have been due to the stormwater runoff influence since the sanitary plant and the industrial plant (which accepts first flush stormwater) are sometimes used interchangeably. This is not really a regional issue. -- It's also possible that, since the pesticide values reported are so high, that |

| Agency Name | Date Petition Filed | Issues Appealed ³ | Summary of Issues Resolved ⁴ | Issues Remaining | Recommended Action | Notes |
|----------------------------------|---------------------|---|---|------------------|------------------------------------|---|
| San Francisco (Southeast Plant) | 7/19/02 | dioxin, mass, daily, mercury, 44-DDE, dieldrin, PPP, CEQA | <p>Dioxin - R2-2010-0054</p> <p>Mass Limits - R2-2007-0077</p> <p>Daily Limits - This issue does not warrant an appeal because no harm is expected.</p> <p>Mercury - R2-2007-0077</p> <p>Copper - Resolved with SSO; current permit Cu limits are fine and based on SSO.</p> <p>4,4-DDE and Dieldrin - Resolved with 2005 SIP changes (no effluent limits if above WQO in receiving water and all effluent non-detect).</p> <p>PPP - Pollution Prevention Plans are no longer required per se (only the annual reports), which are not causing harm, and PMPs are only now required consistent with SIP requirements.</p> <p>CEQA - This issue is moot with resolution of the other issues.</p> | None | Dismiss with consent of permittee. | |
| San Jose/ Santa Clara, Cities of | 5/7/09 | dioxin TEQ, daily limits, compliance schedules | <p>Dioxin - R2-2010-0054</p> <p>Daily Limits - This issue does not warrant an appeal because no harm is expected.</p> <p>Compliance Schedules - R2-2010-0054</p> | None | Dismiss with consent of permittee. | |
| San Mateo, City of | 11/30/07 | dioxin, mercury, daily limits, compliance schedules, blending | <p>Dioxin - R2-2010-0054</p> <p>Mercury - R2-2007-0077</p> <p>Daily Limits - This issue does not warrant an appeal because no harm is expected.</p> <p>Compliance Schedules - R2-2010-0054</p> <p>Blending - No harm is expected for this issue alone.</p> | None | Dismiss with consent of permittee. | <p>-- Other petitions were used to evaluate issues in this petition.</p> <p>-- Blending issue was appealed because used proposed regulations to require actions, but RWB has been very reasonable with these actions.</p> |

| Agency Name | Date Petition Filed | Issues Appealed ³ | Summary of Issues Resolved ⁴ | Issues Remaining | Recommended Action | Notes |
|---|---------------------|---|---|------------------|------------------------------------|--|
| Sausalito - Marin City Sanitary District | 9/9/07 | dioxin, blending, other limits, compliance schedules, PMP | Dioxin - R2-2010-0054 Blending - No harm is expected for this issue alone. Other Limits - Not significant outstanding BACWA issues; see notes column. Compliance Schedules - R2-2010-0054 PMP - Pollution Prevention Plans are no longer required per se (only the annual reports), which are not causing harm, and PMPs are only now required consistent with SIP requirements. | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this (BACWA) petition. -- POTW petition was consulted for "other limits" issue, as follows: -- chlordane - RP was found based on one data point. No harm is expected, and local issue. -- mercury - resolved by R2-2007-0077 -- selenium - resolved by changing analytical method so there is no salinity interference. |
| Sewer Agency of Southern Marin | 9/9/07 | dioxin, mercury, cyanide, PMP | Dioxin - R2-2010-0054 Mercury - R2-2007-0077 Cyanide - Resolved with letter from Regional Water Board dated August 8, 2008 activating alternative limits based on SSO. PMP - Pollution Prevention Plans are no longer required per se (only the annual reports), which are not causing harm, and PMPs are only now required consistent with SIP requirements. | None | Dismiss with consent of permittee. | |
| South Bayside System Authority | 2/22/07 | dioxin TEQ, copper, mercury | Dioxin - R2-2010-0054 Copper - It appears copper should not be on the list for this POTW because current permit has good copper limits based on SSO. Mercury - R2-2007-0077 | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this petition. -- Copper limits in current permit are: Avg. Monthly Effluent Limit of 67 µg/L Max. Daily Effluent Limit of 109 µg/L |
| South San Francisco/ San Bruno, Cities of | 2/29/08 | dioxin, compliance schedules, blending | Dioxin - R2-2010-0054 Compliance Schedules - R2-2010-0054 Blending - No harm is expected for this issue alone. | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this petition. -- Blending issue was appealed because used proposed regulations to require actions, but RWB has been very |

| Agency Name | Date Petition Filed | Issues Appealed ³ | Summary of Issues Resolved ⁴ | Issues Remaining | Recommended Action | Notes |
|--------------------|---------------------|---|--|------------------|------------------------------------|---|
| Sunnyvale, City of | 9/8/09 | dioxin, daily limits, compliance schedules | Dioxin - R2-2010-0054 Daily Limits - This issue does not warrant an appeal because no harm is expected. Compliance Schedules - R2-2010-0054 | None | Dismiss with consent of permittee. | -- Other petitions were used to evaluate issues in this petition. |
| West County Agency | 2/29/08 | dioxin, mercury, daily limits, compliance schedules, blending | Dioxin - R2-2010-0054 Mercury - R2-2007-0077 Daily Limits - This issue does not warrant an appeal because no harm is expected. Compliance Schedules - R2-2010-0054 Blending - No harm is expected for this issue alone. | None | Dismiss with consent of permittee. | -- Blending issue was appealed because used proposed regulations to require actions, but RWB has been very reasonable with these actions. |

¹ This evaluation was prepared using 7 out of the 25 petitions, which was generally viable since many issues are recurring. "Unknown" is used in this column for the petitions which were not used in this evaluation.

² The list of petitions in this table was retained from the Downey Brand Table in file "WEST-1070832-v1-BACWA Appeal short spreadsheet.DOC". Some of the petitions are for two permits ago and

the permit since the one listed is not shown in the table (although it may have been appealed -- example is Rodeo Sanitary District).

³ The issues in this column were retained from the Downey Brand Table in file named "WEST-1070832-v1-BACWA Appeal short spreadsheet.DOC". (The petitions were not checked for accuracy.)

⁴ R2-2010-0054 is the blanket permit amendment for new Regional Standard Provisions, AKA Attachment G, which now contains compliance provisions for dioxin. R2-2007-0077 is the mercury watershed permit.



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 10

FILE NO.: 12,673

MEETING DATE: February 23, 2012

TITLE: Electronic Reporting System Database Management Proposal

☒ MOTION _____ ☐ RESOLUTION _____

RECOMMENDED ACTION

Consider whether to provide funds to preserve and ensure access to the Regional Water Board's historic Electronic Reporting System (ERS) database.

SUMMARY

For more than a decade, the Regional Water Board has required POTWs to electronically submit their effluent monitoring data to a regional database, ERS, maintained by staff member Johnson Lam. In early 2011 the Regional and State Water Board required POTWs to also begin reporting to the State's electronic Self-Monitoring Reporting system (e-SMR). The first POTWs began submitting data to e-SMR in April 2011 and the last began submitting data in December 2011. Johnson Lam retired in May and, concurrently, the ERS database ceased to be used for uploading discharger data.

In order to ensure that the historic ERS data is preserved and accessible and to investigate options for ensuring ease of access to regional effluent data, BACWA worked with the San Francisco Estuary Institute to develop the attached potential scope of work. The tasks ranged from merely preserving historic ERS data to creating an integrated and web-accessible database:

- Task 1. Create a centralized, queryable database using historic ERS data (est. \$10,000).
- Task 2. Provide web-based access to the database (est. \$35,000).
- Task 3. Add 2011 data to database (est. \$10,000).
- Task 4. Establish mechanism to regularly combine CIWQS discharger data (May 2011 onwards) with historical ERS data (est. \$13,000).

In November 2011 the BACWA Board considered this proposal and generally supported proceeding with Task 1. At a January 2012 joint meeting of the BACWA and Regional Water Board, the Regional Water Board expressed support. The decision before BACWA is whether to proceed funding Task 1 or to identify other sources of funding (such as the Regional Monitoring Program) for this effort.

FISCAL IMPACT

The estimated cost of proceeding with Task 1 is \$12,000. The fiscal impact of this action will be determined by the Board. Currently, expenditures for WQAS/CBC are expected to equal or slightly exceed revenues. Approximately \$70,000 is available in the WQAS/CBC contingency budget line, and \$78,000 in the BACWA budget (contingency and miscellaneous technical and regulatory support).

ALTERNATIVES

This action does not require consideration of alternatives unless the Board authorizes a scope of work with any consultant that is equal to or greater than \$50,000.

MEMORANDUM

SUBJECT: 2012 Projections & 2013 Budget
PREPARED BY: Amy Chastain, Executive Director
FOR: BACWA Executive Board
DATE: February 17, 2012

Below is a summary of the BACWA and Clean Bay Collaborative (CBC) projected revenues and expenditures for the 2011-2012 Fiscal Year (2012 FY), a proposed budget for the 2012-2013 Fiscal Year (2013 FY), and information to facilitate future discussions on BACWA's reserve funds, consultant rates, and member dues. The detailed financial information is provided in tables at the end of this memorandum.

A. 2012 Budget to Projections

A synopsis of the 2012 budget as compared to year-end projections is below. For BACWA, projected revenues and expenditures are expected to be less than budgeted, with an excess of \$78,675. For CBC, projected revenues are expected to match budgeted, and projected expenses are expected to be over budget.

| | | 2012 Budget | 2012 Proj. | Notes |
|--------------|-----------------|----------------|---------------|---|
| BACWA | Revenue | 642,000 | 612,000 | \$78,675 does not include program director and assumes no unanticipated expenditures. |
| | Expenses | 642,000 | 533,325 | |
| | Total | 0 | 78,675 | |
| CBC | Revenue | 566,351 | 566,351 | Overage attributable to nutrient and toxicity related expenses |
| | Expenses | 581,934 | 579,369 | |
| | Total | -15,583 | -13,018 | |

B. 2013 Proposed Budget

The draft 2013 budget is premised on not raising BACWA or CBC member dues for the 2013 FY. The BACWA budget is substantially similar to the budget for the previous four years.

| | | 2012 Budget | 2013 Budget | Notes |
|-------|----------|----------------|----------------|--|
| BACWA | Revenue | 642,000 | 597,000 | Differences mainly due to 2012 carryforward (Reg. Outreach Campaign) not expected in 2012. |
| | Expenses | 642,000 | 597,000 | |
| | Total | 0 | 0 | |
| CBC | Revenue | 566,351 | 451,600 | Differences in revenues mainly due to 2012 carryforwards (Irrigation Guide, Nutrients) not expected in 2012. Significant expenditures projected for nutrients in 2013. |
| | Expenses | 581,934 | 536,000 | |
| | Total | -15,583 | -84,400 | |

C. Reserves

For the 2012 and 2013 FYs it is expected that CBC expenditures will exceed revenues, primarily because of nutrient-related technical work. This will require BACWA to either assess special member fees or draw on its reserves.

In 2008, the BACWA Board approved a policy to fund reserve accounts using any BACWA or CBC funds that are unspent at the end of each year, but did not specify how funds from these reserve accounts would be spent. The Finance Committee met on February 2, 2012 and agreed to the following:

- At the end of each year in which expenditures exceed revenues, transfers will be made from the appropriate reserve fund to either CBC or BACWA;
- The BACWA Board will strive to keep a minimum of \$500,000 in reserves at all times,
- Transfers from reserves to operating budgets will only be made after the Executive Director has advised the Executive Board that expenses are projected to exceed revenues and the Executive Board has voted to approve those expenses.

D. Consultant Rates

Many BACWA member agencies have experienced financial challenges that have resulted in capping, and even reducing, consultant rates. On multiple occasions, member agencies have expressed an interest in ensuring that BACWA's approach reflects its member agencies. The Executive Director,

therefore, requests that member agencies share their agencies' policies with respect to consultant rates on an annual basis. The ED and AED will review member agency policies and schedule further discussion of this subject with the BACWA Finance Committee and Board.

E. Funding Plan

The Executive Director recommends that we develop a multi-year funding plan that, at a minimum, accounts for projected increases in the costs of doing business so that advance notice can be given to agencies. The BACWA Joint Powers Authority requires that BACWA notify its members of dues for the coming year no later than March 1. The timing of this requirements means that the Executive Board must decide whether to increase rates before a draft budget for the year is prepared (typically this occurs in late March or April). Deciding on a multi-year funding plan will make planning easier for BACWA and allow agencies time to adjust their budgets accordingly.

The consumer price index for the San Francisco Bay Area has increased an average of 2.5% annually since 2006. To ensure that, at a minimum, BACWA's revenues track increases in expenses, the Board could consider adopting a policy of increasing dues by 5% every two years, or 10% every four years. For example, dues for 2012-2013 could remain the same for 2013 FY and increase 5% for 2014 FY.

BACWA

| | <u>2012 Budget</u> | <u>2012 Proj.</u> | <u>2013 Budget</u> |
|--|--------------------|-------------------|--------------------|
| REVENUES | 642,000 | 612,000 | 597,000 |
| Principals' Contributions | 450,000 | 420,000 | 420,000 |
| Assoc. & Aff. Contributions | 162,000 | 162,000 | 162,000 |
| Fund Transfer | 25,000 | 25,000 | 10,000 |
| <i>Carryforwards/Accruals</i> | <i>(15,000)</i> | <i>(15,000)</i> | 0 |
| Interest Income | 5,000 | 5,000 | 5,000 |
| EXPENSES | 642,000 | 533,325 | 597,000 |
| BACWA Committees | 166,000 | 145,570 | 176,000 |
| Collections System | 25,000 | 25,000 | 12,000 |
| Permit Committee | 25,000 | 25,000 | 12,000 |
| Water Recycling Committee | 18,000 | 17,770 | 25,000 |
| Biosolids Committee | 5,000 | 5,000 | 5,000 |
| InfoShare Groups | 25,000 | 25,000 | 25,000 |
| Laboratory Committee | 7,000 | 7,000 | 7,000 |
| As-needed Tech. & Reg | 61,000 | 40,800 | 90,000 |
| Legal Support | 6,000 | 3,500 | 4,000 |
| Regulatory Support | 4,000 | 1,500 | 2,000 |
| Executive Board Support | 2,000 | 2,000 | 2,000 |
| Collaboratives and Sponsorships | 15,500 | 16,500 | 36,500 |
| CWAA | 10,000 | 1,000 | 1,000 |
| State of the Estuary | 0 | 0 | 20,000 |
| CPSC | 5,000 | 5,000 | 5,000 |
| PSI | 500 | 500 | 500 |
| Stanford ERC | 0 | 10,000 | 10,000 |
| Communications and Reporting | 30,750 | 31,826 | 30,720 |
| Annual Report | 15,000 | 16,106 | 15,000 |
| Website Development/Maintenance | 10,750 | 10,720 | 10,720 |
| Other Communications | 5,000 | 5,000 | 5,000 |
| Special Programs | 50,000 | 50,000 | 50,000 |
| Contribution to BAPPG | 50,000 | 50,000 | 50,000 |
| General BACWA Support | 105,950 | 30,200 | 43,780 |
| Contingency | 88,950 | 16,200 | 30,780 |
| Meeting Support | 17,000 | 14,000 | 13,000 |
| Administrative Support | 267,800 | 255,729 | 256,000 |
| Executive Director | 139,000 | 139,000 | 139,000 |
| Assistant Executive Director | 70,000 | 70,000 | 70,000 |
| EBMUD Financial Service & Audit | 40,000 | 40,000 | 40,000 |
| Administrative Expenses | 15,000 | 3,000 | 3,000 |
| Insurance | 3,800 | 3,729 | 4,000 |
| TOTAL | 0 | 78,675 | 0 |

CBC

| | <u>2012 Budget</u> | <u>2012 Proj.</u> | <u>2013 Budget</u> |
|--|--------------------|-------------------|--------------------|
| <u>REVENUES</u> | 566,351 | 566,351 | 451,600 |
| CBC contributions | 450,000 | 450,000 | 450,000 |
| CBC Other Receipts | 114,751 | 114,751 | 0 |
| <i>Carryforwards/Accruals</i> | <i>114,751</i> | <i>114,751</i> | <i>0</i> |
| CBC Interest/ Misc | 1,600 | 1,600 | 1,600 |
| <u>EXPENSES</u> | 581,934 | 579,369 | 536,000 |
| Technical Support | 344,934 | 408,543 | 415,000 |
| Nutrients | 229,207 | 311,416 | 325,000 |
| WW as a Resource | 30,000 | 0 | 0 |
| Selenium | 52,127 | 22,127 | 10,000 |
| Infrastructure | 3,600 | 0 | 0 |
| PCBs | 15,000 | 0 | 20,000 |
| Whole Effluent Toxicity | 0 | 60,000 | 30,000 |
| Chemicals of Concern | 15,000 | 15,000 | 15,000 |
| Risk Reduction | 0 | 0 | 15,000 |
| Collaborations & Sponsorships | 90,000 | 83,750 | 50,000 |
| CWCCG | 50,000 | 43,750 | 50,000 |
| WW as a Resource (Irrig. Guide) | 40,000 | 40,000 | 0 |
| Commun. & Reporting | 47,000 | 42,076 | 26,000 |
| Hg Emissions Report | 20,000 | 20,000 | 20,000 |
| Hg Dental Amalgam Report | 17,000 | 17,000 | 0 |
| Chemicals of Concern (Fact Sheet) | 0 | 0 | 0 |
| Rate database | 10,000 | 5,076 | 6,000 |
| Contingency | 100,000 | 45,000 | 45,000 |
| Whole Effluent Toxicity | 0 | 30,000 | |
| Other | 100,000 | 15,000 | 45,000 |
| TOTAL | (15,583) | (13,018) | (84,400) |



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 12

FILE NO.: N/A

MEETING DATE: February 23, 2012

TITLE: Nutrients Discussion & Next Steps

☐ MOTION _____ ☐ RESOLUTION _____

RECOMMENDED ACTION

None; this is a discussion item to provide direction to the Executive Director.

SUMMARY

This summary of nutrient-related developments during the months of December and January is intended to update the BACWA Executive Board and facilitate a discussion of next steps.

NPDES Permits.

On February 8, 2012 the Regional Water Board adopted the permits for the Central Contra Costa Sanitary District (CCCSD) and the Vallejo Sanitation & Flood Control District (VSFCD). Water supply agencies submitted comments on both of these comments urging the Regional Water Board to require these agencies to nitrify their effluent or to require studies to evaluate the impacts of ammonium discharges from the agencies on Suisun Bay beneficial uses.

The Regional Water Board staff did not make changes to the VSFCD permit in response to this request, but did make changes to the CCCSD order. Specifically, the CCCSD order includes limits of on total ammonia (AMEL = 65 mg/L, MDEL = 84 mg/L, mass daily limit = 5,500 kg/day), a requirement that CCCSD support and undertake studies to determine the impact of ammonium in their discharge on beneficial uses, and completion of a facility plan and site characterization to evaluate ammonium removal technologies. (see attached).

Effluent Characterization Study.

The Regional Water Board intends to issue a requirement, using their authority under section 13267 of the Water Code, for POTWs to conduct a two year study to characterize nutrients in their effluent. BACWA, with assistance from HDR and the Permits and Laboratory Committees, has provided technical feedback on a draft letter. We also have requested an opportunity to review another version prior to its issuance. The most recent draft would require major POTWs to collect 52 samples over the two year period, and minor POTWs to collect 28. Issues of remaining of concern to BACWA include data collection and reporting, urea analyses, and the frequency of monitoring required for POTWs discharging less than five MGD.

Suisun Bay Studies.

The ED is exploring holding a meeting of Suisun Bay POTWs to apprise them of recent developments with Region 2 permitting and options for coordinating on future studies.

SFEI 2012 Scope of Work.

The ED expects to execute a contract with SFEI the week of February 20 to effectuate the scope of work approved by the BACWA Board on February 10. The ED has been coordinating with SFEI and the Regional Board to investigate retaining the Bay-Area based firm, CONCUR (www.concurinc.com), to assist in developing a stakeholder engagement and facilitation framework. CONCUR specializes in establishing joint fact-finding frameworks and substantial experience working on analyzing and resolving California water issues. A scope of work has been requested for their assistance on the nutrient strategy generally, and Suisun Bay issues specifically.

Joint fact-finding involves face-to-face dialogue between technical experts, decision-makers, and other key stakeholders. Usually, a nonpartisan facilitator or mediator assists in orchestrating this dialogue. Third, this process places considerable emphasis on "translating" technical information--text, graphics, videos, web-based information and oral presentations--into a form that is accessible to all participants in the dialogue. Another significant aspect of the process is that while joint fact-finding is geared to building consensus, it tries to clearly "map" areas of scientific agreement and to narrow areas of disagreement and uncertainty. Finally, there is a clear effort to generate work products that directly link to policy deliberations. The other building blocks of the process are flexible, and can be designed to match the context.

FISCAL IMPACT

None.

ALTERNATIVES

None.

STATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN FRANCISCO BAY REGION

STAFF SUMMARY REPORT (Bill Johnson)
MEETING DATE: February 8, 2012

ITEM: 7 – SUPPLEMENTAL

SUBJECT: **Central Contra Costa Sanitary District, Central Contra Costa Sanitary District Wastewater Treatment Plant and Associated Wastewater Collection System, Martinez, Contra Costa County – Reissuance of NPDES Permit**

DISCUSSION: This supplemental contains three recommended changes to the Revised Tentative Order. Additions are shown in underline; deletions are shown with ~~strikeout~~. The District and Water Agencies developed the original substance of change numbers 2 and 3, below, and proposed them to Board staff. We then shared our changes with them, and they have indicated their general agreement with the proposed language.

Change No. 1

This change revises the permit effective date and expiration date and the date the application for permit re-issuance is due.

Revise Table 3 as follows:

Table 3. Administrative Information

| | |
|--|---|
| This Order was adopted by the Regional Water Quality Control Board on: | <Adoption date> |
| This Order shall become effective on: | <u>April 1, 2012</u> February 1, 2012 |
| This Order shall expire on: | <u>March 31, 2017</u> January 31, 2017 |
| The Discharger shall file a Report of Waste Discharge in accordance with Title 23, California Code of Regulations, as application for re-issuance of waste discharge requirements no later than: | <u>September 30, 2016</u> July 31, 2016 |

Change No. 2

This change revises the reopener provisions of the Revised Tentative Order and the explanation for them in the Fact Sheet to be more specific regarding the circumstances under which the Board could reopen the permit with respect to ammonia related issues.

Revise Provision VI.C.1 of the Revised Tentative Order as follows:

1. Reopener Provisions

The Regional Water Board may modify or reopen this Order prior to its expiration date in any of the following circumstances as allowed by law:

- a. If present or future investigations demonstrate that the discharges governed by this Order have or will have a reasonable potential to cause or contribute to, or will cease to have, adverse impacts on water quality or beneficial uses of the receiving waters.

:

- c. If data, results, or other information developed in connection with translator, dilution, or other water quality studies (such as, but not limited to, studies related to Suisun Bay ammonium effects, including, but not limited to, studies conducted pursuant to Provision VI.C.5.c) provide a basis for determining that a permit condition, such as but not limited to ammonia effluent limitations, should be modified.

:

The Discharger may request permit modification based on any of the circumstances described above. With any such request, the Discharger shall include an antidegradation and antibacksliding analysis.

Revise Fact Sheet (Attachment F) section VII.C.1 as follows:

1. Reopener Provisions

These provisions are based on 40 CFR 122.63 and allow modification of this Order and its effluent limitations as necessary in response to updated WQOs, regulations, or other new relevant information that may be established in the future and other circumstances allowed by law. Regional Water Board staff intends to reassess the appropriateness of the total ammonia effluent limitations in Table 7 of the Order by April 1, 2015. The permit may be reopened at any time under the circumstances set forth in Provision VI.C.1 of the Order.

Change No. 3

This change adds new provisions to the Revised Tentative Order and explanations for them to the Fact Sheet. The new provisions require the District to conduct studies related to its ammonia-related effects on Suisun Bay and its ability to reduce ammonia discharges.

Add Provisions VI.C.5.c and VI.C.5.d to the Revised Tentative Order as follows (for legibility, this completely new text is not underlined):

c. Nutrient Discharge Work Plan, Studies, and Reports

- i. **Draft Work Plan.** By June 1, 2012, the Discharger shall submit to the Regional Water Board a draft work plan to conduct the studies listed in item c.iii, below, to evaluate further the effects on Suisun Bay of ammonia, ammonium, and other nutrients in its discharge. The Discharger may complete these studies itself or in conjunction with others, including but not limited to the State and Federal Contractors Water Agency, the State Water Contractors, and the San Luis & Delta-Mendota Water Authority (collectively, "Water Contractors"); the Bay Area Clean Water Agencies; and the Regional Water Board. The draft

work plan shall call for the studies to be completed no later than September 1, 2014.

The draft work plan shall delineate a process to disseminate study results for stakeholder review. The Discharger shall distribute the draft work plan to stakeholders, including but not limited to the Water Contractors.

- ii. **Final Work Plan.** By August 1, 2012, the Discharger shall submit a final work plan that incorporates Executive Officer feedback on the draft work plan.
- iii. **Work Plan Elements.** The work plan shall include schedules and commitments to fund the following:
 - (a) Surface Water Ambient Monitoring Program sampling and associated studies set forth in *San Francisco Bay Region Work Plan, Monitoring Spring Phytoplankton Bloom Progression in Suisun Bay* (Taberski, Dugdale, et al., SWAMP Monitoring Plan 2011-2012, December 2010). The Discharger shall commit technical expertise, laboratory support, and funding for the studies. Specifically, the Discharger shall fund an additional sample site to characterize the San Joaquin River delta input, analyze samples for nutrients and metals, and fund analysis for pesticides.
 - (b) Collection of representative effluent samples sufficient to characterize nutrient forms, concentrations, and loads. The data to be obtained shall include the form and ratios of nitrogen and phosphorus, including organic and inorganic nitrogen and phosphorus. (Regional Water Board staff intends to obtain such information soon from most wastewater dischargers in the Region.)
 - (c) Collaborative study of the Discharger's contribution to ammonium concentrations in Suisun Bay and related toxicity to copepods in the context of Suisun Bay. These studies shall include, to the extent possible, an evaluation of acute toxicity to copepod larvae (nauplii) and full life cycle toxicity. The study shall use a methodology acceptable to the Executive Officer.
 - (d) Collaborative studies evaluating the role of ammonia and ammonium in primary productivity and zooplankton abundance, the significance of nutrient ratios, nutrient fate and transport, and the role of sediment biogeochemistry in nutrient fluxes. Such studies would include, for example, a determination whether sampling locations adequately characterize the potential impact of the Discharger's discharge and those studies committed to by the Bay Area Clean Water Agencies to be conducted by the Aquatic Science Center and the San Francisco Estuary Institute (Chastain, Bay Area Clean Water Agencies, "Nutrient Strategy Development and

Handwritten notes:
to be completed by
September 1, 2014
Suisun Bay
begin sampling & analysis
soon on impact &
study plan
for future
work

Implementation: A proposal to BACWA and the San Francisco Bay Regional Water Quality Control Board," January 18, 2012).

- iv. **Final Report.** The Discharger shall implement the final work plan described in item c.ii, above, and, by November 1, 2014, submit a final report acceptable to the Executive Officer regarding the results of the studies completed pursuant to the final work plan.

d. Facility Plan and Site Characterization

- i. **Work Plan.** By July 1, 2012, the Discharger shall submit a work plan to evaluate alternative treatment technologies to remove ammonia from its discharge, including nitrification technologies. The evaluation shall include facility planning for a range of potential ammonia effluent limits and pilot scale systems analyses. The Discharger shall evaluate the suitability of the Facility and property owned or controlled by the Discharger to provide land necessary for ammonia treatment and removal. As part of this evaluation, the Discharger shall conduct sampling to characterize sufficiently the portion of its property where materials previously placed for disposal would have to be managed to develop a nitrification treatment train.
- ii. **Report.** By February 28, 2014, the Discharger shall provide a report acceptable to the Executive Officer containing the conclusions of the studies completed pursuant to item d.i, above.

Add Fact Sheet (Attachment F) sections VII.C.5.c and VII.C.5.d as follows (again, for legibility, this completely new text is not underlined):

c. Nutrient Discharge Work Plan, Studies, and Reports

This provision is intended to ensure that sufficient information is available in a timely manner to conduct reasonable potential analyses for ammonia and ammonium, and if necessary to revise the water quality-based effluent limits in this Order. This provision is authorized by CWC section 13267.

d. Facility Plan and Site Characterization

This provision is intended to obtain information regarding the Discharger's ability to remove ammonia from the discharge and is authorized by CWC section 13267.