

BACWA EXECUTIVE BOARD MEETING
Thursday, November 29, 2012, 9:00 a.m. – 12:00 p.m.

HANDOUTS

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

<u>Pages</u>	<u>Handout Title</u>	<u>Agenda Item #</u>
1 – 2	Agenda	
3 – 6	Meeting Minutes from BACWA Executive Board Meeting of October 25, 2012, File 15,010	1
7 – 12	September 2012 Treasurer's Report	2
13 – 34	AIR Committee Report	3
35 – 40	Collection Systems Committee Report	3
41	Permits Committee Report	3
42 – 51	Executive Director Report - SFEI October Progress Report and Invoice - FWQC Information	5
52	Regulatory Program Manager Report	6
53 – 56	Chair & Executive Director Authorized Actions a. Chair authorization of agreement with Univision for BAPPG FOG Outreach support, not to exceed \$8,000 in FY 2012-13; File 12,576; b. Executive Director authorization to utilize existing agreement with RMC for as needed assistance with NPDES Permit Petitions, not to exceed \$1,500 in FY 2012-13; File 12,733.	7
57	Board Action Request – Appointment of BACWA Representatives to Aquatic Science Center Board	8
58 – 62	Board Action Request – Approve agreement with LWA for Nutrient Framework Development support, not to exceed \$15,000 in FY 2012-13; File 12,854	9
63 – 65	Board Action Request – Approve revised scope of work for existing SFEI Nutrients Strategy Development agreement; File 12,680.	10
66 – 72	Board Action Request – Discussion of BACWA Sewer Service Charge Survey	11
73 – 74	Board Action Request – Discussion of BACWA Opportunities Subcommittee	13d
75 – 87	Board Action Request – Discussion of BACWA NPDES Permit Petition Dismissal	14
88 – 91	Board Action Request – Discussion of Planning for BACWA Annual Meeting	15



Executive Board Meeting Agenda

Thursday, November 29, 2012, 9:00 a.m. – 12:00 p.m.
EBMUD Lab Library, 2020 Wake Ave., Oakland, CA

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

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

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

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

1. October 25, 2012 BACWA Executive Board Meeting Minutes
2. September 2012 Treasurer's Report

REPORTS (9:20 a.m. – 10:20 a.m.)

3. Committee Reports
4. Executive Board Reports
5. Executive Director Report
6. Regulatory Program Manager Report
7. Chair & Executive Director Authorized Actions
 - a. Chair authorization of agreement with Univision for BAPPG FOG Outreach support, not to exceed \$8,000 in FY 2012-13; File 12,576;
 - b. Executive Director authorization to utilize existing agreement with RMC for as needed assistance with NPDES Permit Petitions, not to exceed \$1,500 in FY 2012-13; File 12,733.

OTHER BUSINESS (10:20 a.m. – 12:00 p.m.)

8. Authorization: Appointment of BACWA Representatives to Aquatic Science Center Board.
9. Authorization: Approve agreement with LWA for Nutrient Framework Development support, not to exceed \$15,000 in FY 2012-13; File 12,854.
10. Authorization: Approve revised scope of work for existing SFEI Nutrients Strategy Development agreement; File 12,680.
11. Discussion: Sewer Rate Survey (Paul Causey) - current approach and opportunities for additional information.
12. Discussion: TAG November 8th Meeting - update from member agency whose staff attended and future opportunities.
13. Discussion: Pardee Follow-up
 - a. Nutrient Permit Concept Framework (Jim Kelly/Denise Conners)
 - b. Nutrient Governance Development (Ben)

- c. CEC's and Pulse Article (Lorien)
 - d. BACWA Opportunities Subcommittee - Gary Darling presentation follow-up.
 - e. Joint RWQCB/BACWA Meeting, January 2013 - focus on Nutrients and Toxicity.
 - f. Other
14. Discussion: NPDES Permit Petition Dismissal (Jim Kelly) - confirm approach.
 15. Discussion: BACWA Annual Member Meeting, January 24th, 2013 at California Endowment Conference Center, 1111 Broadway, Oakland

NEXT MEETING

The next meeting of the Board is tentatively scheduled for Thursday, January 3, 2013 at the EBMUD Treatment Plant Lab Library, 9:00 a.m. – 2 p.m. (includes Holiday Lunch).

ADJOURNMENT (12:00 p.m.)



Executive Board Meeting Minutes

Thursday, October 25, 2012, 9:00 a.m. – 12:00 p.m.
EBMUD Treatment Plant Lab Library
2020 Wake Avenue, Oakland, CA

ROLL CALL AND INTRODUCTIONS

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

Other Attendees: Scott Klein, Treasurer (East Bay Municipal Utility District); Dave Williams (East Bay Municipal Utility District); Gary Tominaga (East Bay Municipal Utility District); David Stoops (East Bay Dischargers Authority); Melody LaBella (Central Contra Costa Sanitary District); Tim Potter (Central Contra Costa Sanitary District); Greg Baatrup (Fairfield-Suisun Sewer District); Gary Darling (Delta Diablo Sanitation District); Amanda Roa (Delta Diablo Sanitation District); Bhavani Yerrapotu (Sunnyvale) Tom Hall (Sunnyvale/EOA); Karin North (Palo Alto); Monica Oakley (RMC); Denise Connors (Larry Walker Associates); Holly Kennedy (HDR); Kayla Kirsch (Leapfrog Consulting); Lorien Fono (Patricia McGovern Engineers); Jim Kelly (BACWA); Alexandra Gunnell (BACWA).

PUBLIC COMMENT

There were no public comments.

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

Agenda item 7 was taken out of order. **Fiscal Year 2011-12 Financial Reports** were distributed and reviewed by the BACWA Treasurer, Scott Klein, and Gary Tominaga of EBMUD. *The reports were approved in a motion made by Karl Royer and seconded by Ben Horenstein. The motion passed unanimously.*

CONSENT CALENDAR

Agenda items 1 – 3 were approved in a motion made by Ben Horenstein and seconded by Ann Farrell. *The motion carried unanimously.*

1. September 27, 2012 BACWA Executive Board Meeting Minutes
2. October 5, 2012 BACWA Executive Board Special Meeting Minutes
3. August 2012 Treasurer's Report

It was noted that the spelling of Rosey Jencks name should be corrected on the October 5th, 2012 Special Meeting minutes.

PRESENTATIONS:

For **agenda item 4, Governance Facilitation Development Synthesis**, Kayla Kirsch of Leapfrog Consulting distributed and reviewed "Board Interviews: Summary of Findings". She explained that two straw models, Greenfield Approach and Evolve Current Structure, were distributed in preparation for the interviews and that making changes to the current structure appeared to be the preferred option. Kayla suggested that the Board may need further discussion of the "Existing and Alternative NNE & Ongoing Nutrient Management and Oversight Approaches" to make sure that there is a shared pool of meaning around the concepts listed on the handout. In preparation for

Pardee, the Board requested that Kayla draw out the current process and compare it to what the Board thinks is needed and the Board will review the concepts and prioritize them. The goal of the next meeting with Kayla at Pardee will be to have a clear understanding of the current process, its opportunities and deficiencies, and preparation of a draft proposal for the meeting with the Regional Water Quality Control Board staff (RWQCB). The Assistant Executive Director (AED) will circulate the graphic representation of the current process that was developed by Naomi Feger.

For **agenda item 5**, Tom Grovhoug and Denise Conners distributed handouts and led a discussion about **Nutrient Permit Framework Alternatives**. In preparation for Pardee, the Board authorized Larry Walker Associates to proceed with Task 2 outlined in the scope of their current agreement, and requested that they develop straw proposals for each alternative.

Gary Darling provided a presentation on **BACWA Opportunities** under **agenda item 6**. He provided information about regional collaborations and partnerships and proposed the idea of BACWA investigating ways to expand its role. The Board agreed to continue discussions on this matter at Pardee and consider the development of a subcommittee to further explore the idea.

OTHER BUSINESS

For **agenda item 8**, Lorien Fono, the BACWA Regulatory Program Manager, led a discussion about **CEC State-Wide Monitoring**. She agreed to continue to keep the BACWA Board updated on the issue.

Karin North provided the Board with an update on **RMP Steering Committee** activities under **agenda item 9**. Karin serves as the RMP Steering Committee Vice Chair; Tom Mumley is the Chair. She distributed the RMP Summary of 2013 Programs, which included the annual budget and explained that by the time projects are brought before the Steering Committee for funding approval they have already been vetted by the Technical Committees. A 2% increase in RMP dues for 2013 and 2014 will be implemented. She also circulated a copy of the Pulse and will forward a link for the RMP survey to be distributed included in the next BACWA e-newsletter. She also suggested that BACWA may want to contact Keith Maruya of Southern California Coastal Water Resources Project (SCCWRP) to speak at an upcoming Board meeting.

Under **agenda item 10**, Laura Pagano reviewed a handout included in the meeting packet that provided background on the **New Appointments to San Francisco Regional Water Quality Control Board**.

Revised meeting dates for **November and December BACWA Board Meeting Schedule for 2012 and 2013** were listed in the handout packet for **agenda item 11**.

For **agenda item 12**, the handout packet contained a **Baywork Program Summary** in response to a request made by the Board at the September 25th, 2012 BACWA meeting. Agencies considering participation in the Baywork program should contact them directly; information is listed on their website at baywork.org.

SFPUC and CCCSD Board representatives will see if anyone at their agency is interested in attending the **TAG Meeting, in Orange County on November 8, 2012 (agenda item 13)**. The ED noted that the National Water Research Institute (NWRI) has decided they will not participate in the program.

The **BACWA Annual Member Meeting scheduled for January 24th, 2013 at California Endowment Conference Center, 1111 Broadway, Oakland** was discussed under **agenda item 14**. Suggestions from attendees included: Bruce Wolfe and Alexis Strauss or Nancy Wu as guest speakers; mercury watershed permit as success story; nutrients as focus; nutrients update/introduction with a subsequent follow up meeting at a later date. CCCSD also noted a possible schedule conflict; the ED and AED will investigate alternate dates and locations.

For **agenda item 15**, the **Pardee Draft Agenda** was discussed. The Chair and ED will continue to revise and then circulate to attendees. Revisions may include an earlier start time on November 5th and later ending times for each day. It was noted that November 6th is Election Day and attendees may need to make alternative arrangements to vote.

REPORTS

Committee Reports were included in the handout packet under **agenda item 16**.

No items were discussed under **agenda item 17, Executive Board Reports**.

The ED noted the following items in the **Executive Director Report**, which was included in the handout packet for **agenda item 18**.

- The next SWAMP meeting is scheduled for November 9th from 1-4pm.
- The next NNE Stakeholder Advisory Group (SAG) meeting is scheduled for November 19th.
- Freshwater Cyanotoxin Workshop scheduled November 28th.
- Upcoming RMP Meetings:
 - The Steering committee meets on October 29th; Karin North, one of the POTW representatives on the committee is expected to attend BACWA's meeting on the October 25th.
 - The Technical Advisory Committee Meeting is scheduled to meet on December 4th from 1 to 3pm.
 - A Webinar entitled: "The RMP: A Collaborative Effort Providing Water Quality Regulators in the San Francisco Bay Area with Information they Need" will take place on November 8th, 11:30am –12:30pm.
 - There is a Risk Reduction Project Review and Next Steps meeting scheduled for October 30th at 1pm.
 - Rainer Hoenicke called me about approaching the California Water Quality Council to fund the ongoing risk reduction effort.

Under **agenda item 19**, the **Regulatory Program Manager Report** was included in the handout packet. Comments on the Mercury/PCB Watershed Permit are due Monday October 29th. Feedback should be sent to Lorien Fono by Friday October 26th.

Chair & Executive Director Authorized Actions implemented since the September 27th BACWA Board meeting were listed under **agenda item 20**.

- a. Executive Director authorization of agreement with Zentraal for Prop 84 Tracking/Reporting Software development, not to exceed \$3,600 in FY 2012-13; File 12,819.

The next regular BACWA Board meeting is tentatively scheduled for, November 29, 2012 at the EBMUD Treatment Plant Lab Library from 9 a.m. – 12 p.m.

The meeting adjourned at 12:00 p.m.



Bay Area Clean Water Agencies

A Joint Powers Public Agency

Leading the Way to Protect our Bay

November 20, 2012

MEMO TO: Bay Area Clean Water Agencies Executive Board
MEMO FROM: D. Scott Klein, Controller, East Bay Municipal Utility District
SUBJECT: Three 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 **September 1, 2012 through September 30, 2012** (three months of Fiscal Year 2012-2013). 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 9/30/12

DESCRIPTION	BEGINNING FUND BALANCE 7/1/12	TOTAL RECEIPTS	TOTAL DISBURSEMENTS	ENDING FUND BALANCE 9/30/12	OUTSTANDING ENCUMBRANCES	UNOBLIGATED FUND BALANCE 9/30/12
BACWA	597,182	485,492	81,924	1,000,750	344,750	656,001
TRNG FND	247,407	223	-	247,630	-	247,630
AIR	3,372	66,364	-	69,736	79,556	(9,820)
BAPPG	41,498	25,650	11,295	55,853	20,077	35,777
LEGAL RSRV	302,900	273	-	303,173	-	303,173
WQA CBC	214,406	306,170	59,489	461,087	109,005	352,082
BACWAOPRES	152,408	137	-	152,545	-	152,545
RWR	16,676	15	-	16,691	-	16,691
RESERVE	120,000	-	-	120,000	-	120,000
WOT	67,662	134,559	-	202,221	-	202,221
PRP84	39,116	872,336	782,920	128,532	8,492	120,041
WQA EMERG	403,866	364	-	404,230	-	404,230
TECHACTION	252,416	228	-	252,644	-	252,644
CBC OPRSRV	163,566	147	-	163,713	-	163,713
PRP50	167,638	156	113	167,681	38,184	129,498
	2,790,112	1,892,116	935,740	3,746,488	600,062	3,146,426

BACWA Revenue Report for September 2012

DEPARTMENT	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE			UNOBLIGATED
			DIRECT	INVOICED	JVS	DIRECT	INVOICED	JVS	
Bay Area Clean Water Agencies	Administrative & General	-	7,341	-	-	7,341	-	-	(7,341)
Bay Area Clean Water Agencies	BDO Member Contributions	420,000	-	150,000	-	-	330,000	-	90,000
Bay Area Clean Water Agencies	BDO Fund Transfers	10,277	-	-	-	-	-	1,942	8,335
Bay Area Clean Water Agencies	BDO Interest Income	5,000	-	-	-	-	-	709	4,291
Bay Area Clean Water Agencies	BDO Assoc.&Affiliate Contr	159,000	-	70,500	-	-	145,500	-	13,500
BACWA TOTAL		594,277	7,341	220,500	-	7,341	475,500	2,651	108,785
BACWA Training Fund	BDO Interest Income	-	-	-	-	-	-	223	(223)
TRNG FND TOTAL		-	-	-	-	-	-	223	(223)
AIR-Air Issues&Regulation Grp	BDO Member Contributions	78,354	-	37,554	-	-	66,354	-	12,000
AIR-Air Issues&Regulation Grp	BDO Interest Income	-	-	-	-	-	-	10	(10)
AIR TOTAL		78,354	-	37,554	-	-	66,354	10	11,990
BAPPG-BayAreaPollutnPreventGrp	BDO Member Contributions	79,505	-	12,894	-	-	25,608	-	53,897
BAPPG-BayAreaPollutnPreventGrp	BDO Interest Income	3,079	-	-	-	-	-	42	3,037
BAPPG TOTAL		82,584	-	12,894	-	-	25,608	42	56,934
BACWA Legal Reserve Fnd	BDO Interest Income	-	-	-	-	-	-	273	(273)
LEGAL RSRV TOTAL		-	-	-	-	-	-	273	(273)
WQA-WtrQualityAttainmntStragy	BDO Member Contributions	450,000	-	123,372	-	-	305,927	-	144,073
WQA-WtrQualityAttainmntStragy	BDO Other Receipts	-	-	-	-	-	-	-	-
WQA-WtrQualityAttainmntStragy	BDO Interest Income	1,600	-	-	-	-	-	243	1,357
WQA CBC TOTAL		451,600	-	123,372	-	-	305,927	243	145,430
BACWA OperatingRsrvce Fnd	BDO Interest Income	-	-	-	-	-	-	137	(137)
BACWAOPRES TOTAL		-	-	-	-	-	-	137	(137)

BACWA Revenue Report for September 2012

DEPARTMENT	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE			UNOBLIGATED
			DIRECT	INVOICED	JVS	DIRECT	INVOICED	JVS	
Regional Water Recycling	BDO Interest Income	-	-	-	-	-	-	15	15
RWR TOTAL		-	-	-	-	-	-	15	(15)
WOT - Wtr/Wwtr Operat Training	BDO Member Contributions	150,000	-	28,000	-	-	134,500	-	15,500
WOT - Wtr/Wwtr Operat Training	BDO Interest Income	-	-	-	-	-	-	59	(59)
WOT TOTAL		150,000	-	28,000	-	-	134,500	59	15,441
Prop84BayAreaIntegRegnlWtrMgmt	BDO Interest Income	-	-	-	-	-	-	22	(22)
Prop84BayAreaIntegRegnlWtrMgmt	Administrative Support	-	-	71,569	-	-	71,569	-	(71,569)
Prop84BayAreaIntegRegnlWtrMgmt	Novato North Area Proj.	-	-	593,750	-	-	593,750	-	(593,750)
Prop84BayAreaIntegRegnlWtrMgmt	Sears Point Wtnd & Wtrshd Res	-	-	-	-	-	6,667	-	(6,667)
Prop84BayAreaIntegRegnlWtrMgmt	Bair Island Restoration	-	-	-	-	-	6,667	-	(6,667)
Prop84BayAreaIntegRegnlWtrMgmt	South Bay Salt Pond Habitat Re	-	-	-	-	-	6,667	-	(6,667)
Prop84BayAreaIntegRegnlWtrMgmt	Regional Green Infrastructure	-	-	24,041	-	-	24,041	-	(24,041)
Prop84BayAreaIntegRegnlWtrMgmt	Watershed Partnership Technica	-	-	11,417	-	-	11,417	-	(11,417)
Prop84BayAreaIntegRegnlWtrMgmt	Stream Restoration w/Schools i	-	-	149,491	-	-	149,491	-	(149,491)
Prop84BayAreaIntegRegnlWtrMgmt	Flood Infrastructure Mapping	-	-	2,047	-	-	2,047	-	(2,047)
PRP84 TOTAL		-	-	352,315	-	-	872,315	22	(872,336)
WQA Emergency Reserve Fnd	BDO Interest Income	-	-	-	-	-	-	364	(364)
WQA EMERG TOTAL		-	-	-	-	-	-	364	(364)
WQA Tech Action Fund	BDO Interest Income	-	-	-	-	-	-	228	(228)
TECHACTION TOTAL		-	-	-	-	-	-	228	(228)
CBC Operating Reserve Fnd	BDO Interest Income	-	-	-	-	-	-	147	(147)
CBC OPRSRV TOTAL		-	-	-	-	-	-	147	(147)
Prop50BayAreaIntegRegnlWtrMgmt	BDO Interest Income	-	-	-	-	-	-	156	(156)
PRP50 TOTAL		-	-	-	-	-	-	156	(156)

BACWA Expense Report for September 2012

DEPARTMENT	EXPENSE TYPE	ATTENDED 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	(3,240)	-	-	21,760	3,240	-	-	25,000
Bay Area Clean Water Agencies	BC-Permit Committee	-	-	-	-	-	-	-	-	-
Bay Area Clean Water Agencies	BC-Water Recycling Committee	13,359	-	-	-	13,269	-	-	-	90
Bay Area Clean Water Agencies	BC-Biosolids Committee	6,515	(385)	-	-	570	945	-	-	5,000
Bay Area Clean Water Agencies	BC-InfoShare Groups	25,000	(2,035)	-	-	22,965	2,035	-	-	25,000
Bay Area Clean Water Agencies	BC-Laboratory Committee	7,000	-	-	-	-	-	-	-	7,000
Bay Area Clean Water Agencies	BC-Miscellaneous Committee Sup	140,000	(10,257)	-	-	122,358	22,293	-	(349)	(4,302)
Bay Area Clean Water Agencies	LS-Regulatory Support	2,000	(205)	-	-	1,693	307	-	-	2,000
Bay Area Clean Water Agencies	LS-Executive Board Support	2,000	-	-	-	2,000	-	-	-	2,000
Bay Area Clean Water Agencies	CAS-CWAA	1,000	-	-	-	-	-	-	-	1,000
Bay Area Clean Water Agencies	CAS-PSSEP	20,000	-	-	-	-	-	-	-	20,000
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	-	-	-	15,433	-	-	-	(433)
Bay Area Clean Water Agencies	CAR-BACWA Website Development/	10,720	(320)	-	-	11,694	815	600	(2,285)	(104)
Bay Area Clean Water Agencies	AS-BACWA Admin Expense	3,000	-	984	-	-	-	984	-	2,016
Bay Area Clean Water Agencies	CAR-Other Communications	5,000	-	-	-	2,000	-	-	-	3,000
Bay Area Clean Water Agencies	SP-BAPPG Contribution	50,000	-	-	-	-	-	-	-	50,000
Bay Area Clean Water Agencies	GBS-Contingency	30,000	(3,000)	6,000	-	21,000	4,000	10,478	(4,478)	(1,000)
Bay Area Clean Water Agencies	GBS- Meeting Support	13,000	(132)	-	-	800	200	347	-	11,653
Bay Area Clean Water Agencies	AS-Executive Director	160,000	(23,290)	-	-	11,649	23,290	-	-	34,939
Bay Area Clean Water Agencies	AS-Assistant Executive Directo	70,000	(4,860)	-	-	57,558	10,642	-	-	68,200
Bay Area Clean Water Agencies	AS-EBMUD Administrative Serv	40,000	-	-	-	40,000	-	-	-	40,000
Bay Area Clean Water Agencies	AS-Insurance	4,000	-	3,860	-	-	-	3,860	-	140
Bay Area Clean Water Agencies	BDO-CAS-Stanford ERC	10,000	-	-	-	-	-	-	-	10,000
BACWA TOTAL		658,094	(47,724)	15,844	-	344,750	67,767	21,269	(7,112)	426,673
AIR-Air Issues&Regulation Grp	Administrative Support	3,977	-	-	-	-	-	-	-	3,977
AIR-Air Issues&Regulation Grp	BDO Contract Expenses	79,556	-	-	-	79,556	-	-	-	-
AIR TOTAL		83,533	-	-	-	79,556	-	-	-	3,977
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Fog	14,000	-	-	-	-	-	-	-	14,000
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Mercury	-	-	-	-	-	-	-	-	-
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Pesticides	10,000	-	-	-	-	-	-	-	10,000
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Copper	5,000	-	4,833	-	-	-	4,833	-	167
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Pharmaceutical	7,499	(405)	-	-	6,094	405	-	-	1,000
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-General P2	-	-	-	-	-	-	-	-	-
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Emerging Issues	8,000	-	-	-	-	-	-	-	8,000
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Other	16,539	(3,060)	-	-	279	3,760	-	-	12,500
BAPPG-BayAreaPollutnPreventGrp	Administrative Support	3,800	-	-	-	-	-	-	-	3,800
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Multi-Pollutant	19,000	13,704	-	-	13,704	2,297	-	-	3,000
BAPPG TOTAL		83,838	10,239	5,762	-	20,077	6,462	4,833	-	52,467

BACWA Expense Report for September 2012

DEPARTMENT	EXPENSE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE			J.V.	OBLIGATED	UNOBLIGATED
			ENC	P.V.	DA	J.V.	ENC	P.V.	DA		
WQA-WtrQualityAttainmntStragy	WQA-CE-Technical Support	525,838	(29,835)	29,835	-	-	66,450	49,132	-	110,938	414,900
WQA-WtrQualityAttainmntStragy	WQA-CE-Collaborations & Sponso	65,000	-	-	15,000	-	-	-	15,000	15,000	50,000
WQA-WtrQualityAttainmntStragy	WQA-CE-Commun. & Reporting	26,000	-	-	-	-	6,000	-	-	6,000	20,000
WQA-WtrQualityAttainmntStragy	WQA-CE-Other	45,000	-	-	-	-	36,555	-	-	36,555	8,445
WQA CBC TOTAL		661,838	(29,835)	29,835	15,000	-	109,005	49,132	15,000	168,493	493,345
WOT - Wtr/Wwtr Operat Training	Administrative Support	2,500	-	-	-	-	-	-	-	-	2,500
WOT - Wtr/Wwtr Operat Training	BDO Contract Expenses	158,000	-	-	-	-	-	-	-	-	158,000
WOT TOTAL		160,500	-	-	-	-	-	-	-	-	160,500
Prop84BayAreaIntegRegnlWtrMgmt	Administrative Support	-	(165)	165	-	1,942	8,492	232	-	10,666	(10,666)
Prop84BayAreaIntegRegnlWtrMgmt	Novato North Area Proj.	-	-	-	593,750	-	-	-	593,750	593,750	(593,750)
Prop84BayAreaIntegRegnlWtrMgmt	Regional Green Infrastructure	-	-	-	24,041	-	-	-	24,041	24,041	(24,041)
Prop84BayAreaIntegRegnlWtrMgmt	Weather Based Irrigation Contr	-	-	-	162,955	-	-	-	162,955	162,955	(162,955)
PRP84 TOTAL		-	(165)	165	780,746	1,942	8,492	232	780,746	791,411	(791,411)
Prop50BayAreaIntegRegnlWtrMgmt	Administrative Support	-	(45)	45	-	(1,942)	887	113	-	1,000	(1,000)
Prop50BayAreaIntegRegnlWtrMgmt	BDO Contract Expenses	-	-	-	-	-	37,297	1,608	-	37,297	(37,297)
PRP50 TOTAL		-	(45)	45	-	(1,942)	38,184	1,721	-	38,297	(38,297)

Report to BACWA Board from AIR Committee (November 2012)

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

Recent Committee Actions:

Recent Committee Actions	<ul style="list-style-type: none"> AIR Committee Meeting was held on October 25, 2012 at SFPUC's Southeast Wastewater Treatment Plant Site The meeting included a tour of their Cambi® process, digester pilot program and GreaseCycle program, followed by our standard regulatory presentation. Presentation slides on the pilot studies tour at the Southeast Plant are attached. Food Waste Digestion and Thermal Hydrolysis Pilot Study: The objective of this pilot study is to evaluate the performance of various digestion process configurations. The pilot facility includes two sets of 30 and 60-gallon digesters that can operate individually or in series. Digestion scenarios to be evaluated include mono and co-digestion, and various temperature schemes. The pilot facility also includes a Thermal Hydrolysis unit (Cambi® process), which utilizes high pressure steam to cause microbial cell rupture as a pretreatment to digestion. Key advantages of this process are reduced digestion volume requirements, very well-dewatered product, and increased gas production. The pilot study began in 2011 and is expected to be completed in 2013. The study findings will facilitate the development of San Francisco's food waste digestion program and planning of the new biosolids facility at the Southeast Plant. SFGreasecycle is a citywide effort that diverts fats, oils, and grease (FOG) away from the sewers and turns it into biofuel to run San Francisco fleets. Under the Greasecycle Program, the yellow grease is sent to processors which convert it into usable bio-diesel - more than 800 restaurants are signed up with the program. Following are the action items from the meeting: <ol style="list-style-type: none"> Since BACWA Executive Director Jim Kelly has had recent dialogue with BAAQMD Executive Director Jack Broadbent, he will invite the AQMD's Director of Engineering to our January meeting for the annual BAAQMD/BACWA AIR dialogue. The purpose of this meeting is to get an overview from BAAQMD staff of current and future regulations that may have an impact on Bay Area POTWs, including a Q&A discussion. We also plan to brainstorm possibilities on how to improve the BAAQMD's level of service and responsiveness to POTWs. Mark your calendars: the San Jose/Santa Clara WPCP will be hosting classes offered by CARB staff on internal combustion engines on November 28-29 and on boilers January 15-17. Please see the attached flyers for more information. Since the January class hosted by San Jose conflicts with our next BACWA AIR meeting planned for January 16th, we will reschedule the AIR meeting to another day in January or early February that we'll coordinate with the BACWA & BAAQMD calendars.
AIR Website	http://bacwa.org/Committees/AirIssuesRegulations.aspx

Report to BACWA Board from AIR Committee (November 2012)

News and Updates:

CARB's Update on California's first cap-and-trade auction	<ul style="list-style-type: none">As part of the cap-and-trade program, the California Air Resources Board (CARB) will hold allowance auctions and reserve sales to allow market participants to acquire allowances directly from ARB.The first quarterly auction was conducted by CARB on November 14, 2012.The auction included a Current Auction of 2013 vintage allowances and an Advance Auction of 2015 vintage allowances.Provided below are the results of the auction:<table><tr><th>Auction</th><th>Allowances Offered</th><th>Allowances Sold</th><th>Settlement Price</th></tr><tr><td>Current Auction (2013 Vintage)</td><td>23,126,110</td><td>23,126,110</td><td>\$10.09</td></tr><tr><td>Advance Auction (2015 Vintage)</td><td>39,450,000</td><td>5,576,000</td><td>\$10.00</td></tr></table>	Auction	Allowances Offered	Allowances Sold	Settlement Price	Current Auction (2013 Vintage)	23,126,110	23,126,110	\$10.09	Advance Auction (2015 Vintage)	39,450,000	5,576,000	\$10.00
Auction	Allowances Offered	Allowances Sold	Settlement Price										
Current Auction (2013 Vintage)	23,126,110	23,126,110	\$10.09										
Advance Auction (2015 Vintage)	39,450,000	5,576,000	\$10.00										
For more information	<ul style="list-style-type: none">There are no BACWA POTWs with compliance obligations for this. <p>http://www.arb.ca.gov/cc/capandtrade/auction/auction.htm</p>												

Next AIR
Committee
Meeting:

Date: TBD
Venue: TBD

Pilot Facilities Tour at Southeast Plant (SEP)

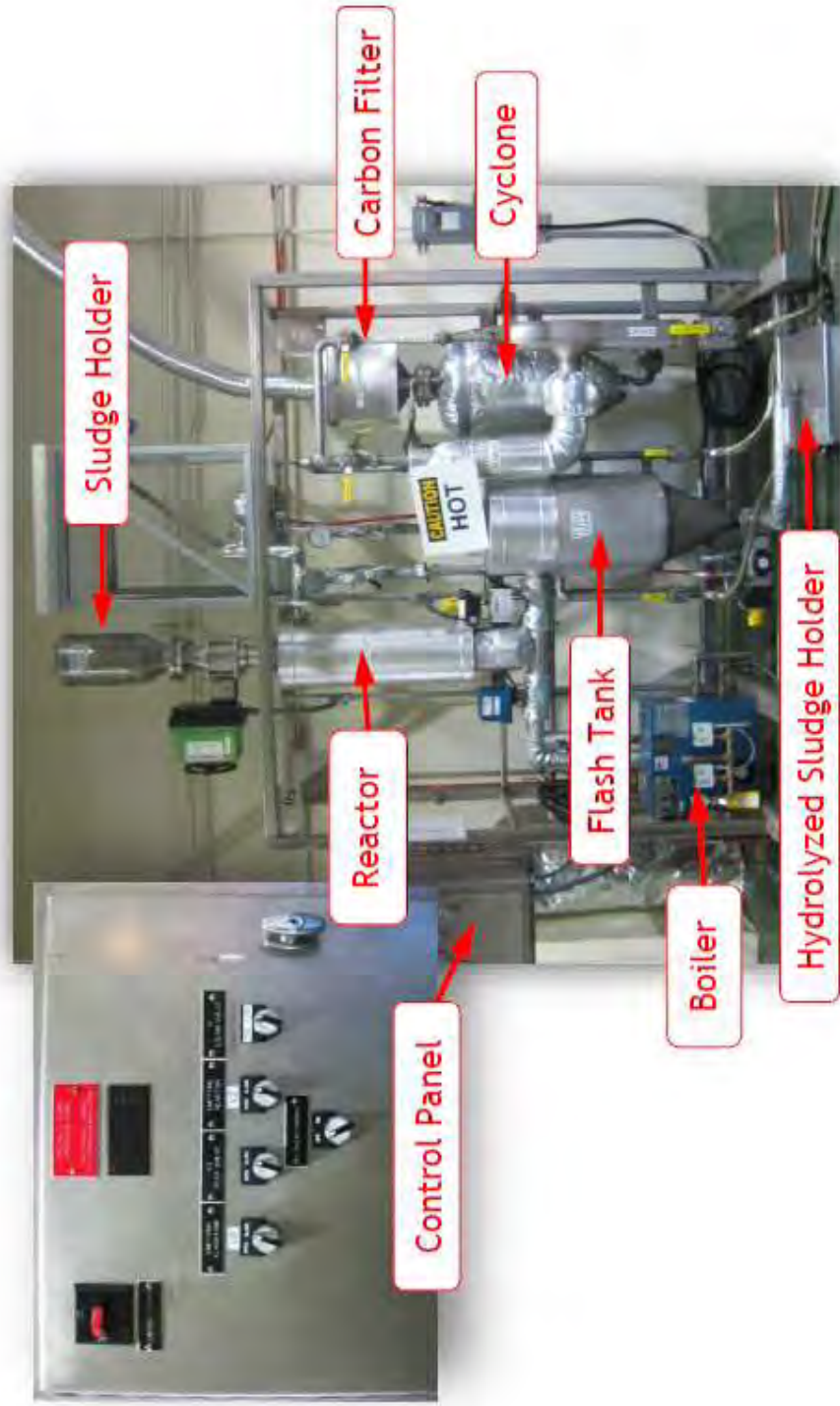
BACWA Air Committee

November 2012

Thermal Hydrolysis Information (CAMBI)

Contact Info:
Humphrey Ho - Tel. (415) 920-4993

CAMBI Pilot Unit



WHAT IS CAMBI THERMAL HYDROLYSIS?

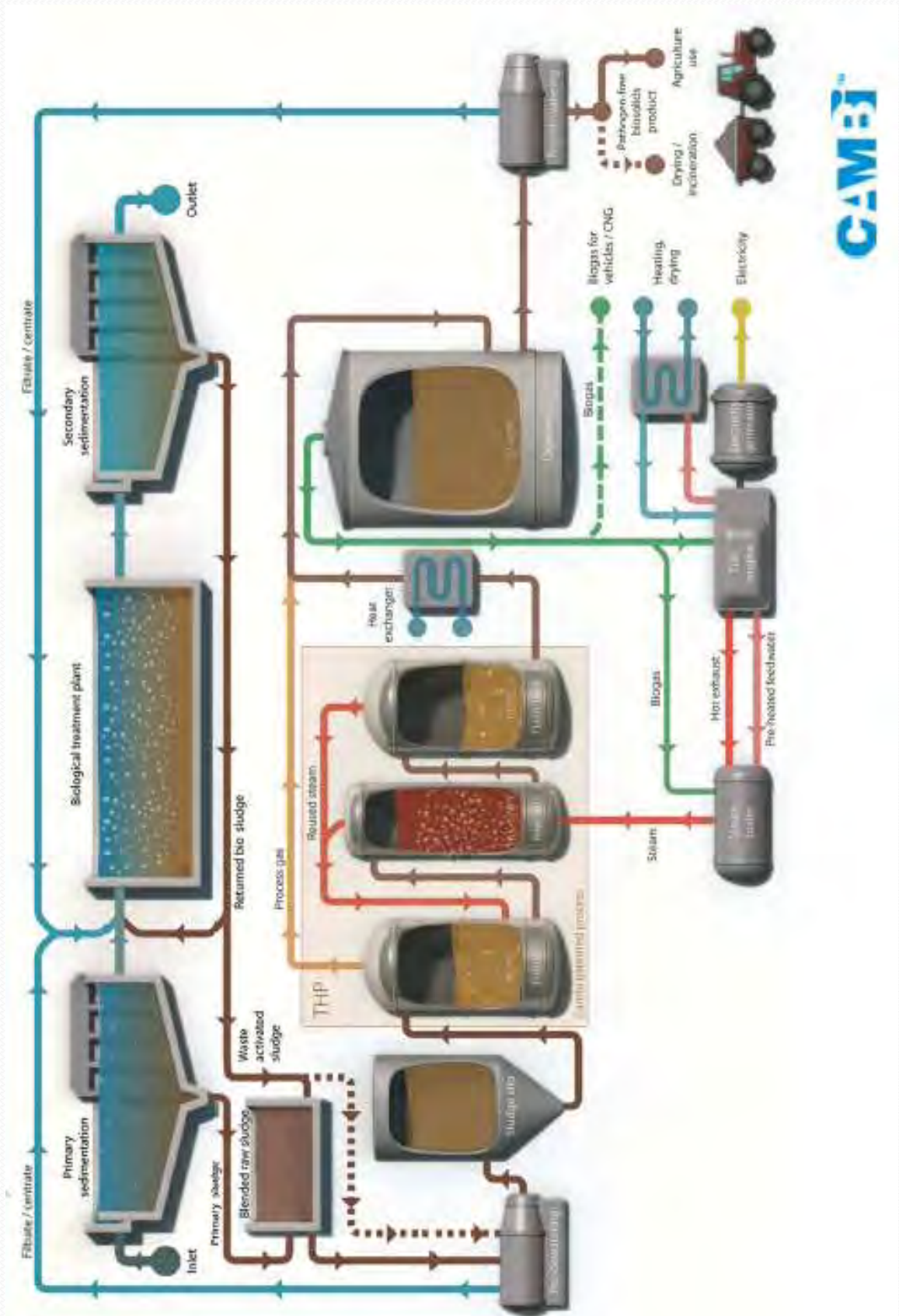
PRETREATMENT OF ORGANIC MATERIAL WITH HEAT AND PRESSURE TO DISSOLVE IT TO IMPROVE ANAEROBIC DIGESTION (BIOGAS PRODUCTION), REDUCE VISCOSITY AND INCREASE DEWATERABILITY.



CAMBI



CAMBI Schematic



WHY USE CAMBI THERMAL HYDROLYSIS?

INCREASED DIGESTER YIELD	ENERGY EFFICIENT AND CLOSED PASTEURIZATION	INCREASED BIOGAS PRODUCTION	HIGH CLASS BIOSOLIDS/ FERTILIZER
 Conventional	 Conventional	 Conventional	 Conventional
 CAMBI THP	 CAMBI THP	 CAMBI THP	 CAMBI THP

CAMBI

EFFECT OF HYDROLYSIS ON VISCOSITY



CAMBI TECHNOLOGY- EFFECT ON SLUDGE

Thermal Hydrolysis break up polymers in small molecules

TH reduces the sludge viscosity and allows sludge liquefaction

⇒ High loads of digestion and decomposition & increased biogas production

- Steam Explosion open cells, breaks fibers and reduces viscosity
- TH denatures proteins & ECP (Extra Cellular Polymers)
- TH + SE breaks the hydrophilic character of the sludge
- Improved dewaterability
- 100% sterilization of the treated sludge



Cell colony rupture due to stress
– 200 x enlargement

CAMBI

Digester Pilot Program

The pilot facility includes two sets of 30 and 60-gallon digesters that can operate individually or in series. Digestion scenarios to be evaluated include mono and co-digestion, and various temperature schemes.

Contact Info:

Manisha Berde – Tel. (415) 920-4803



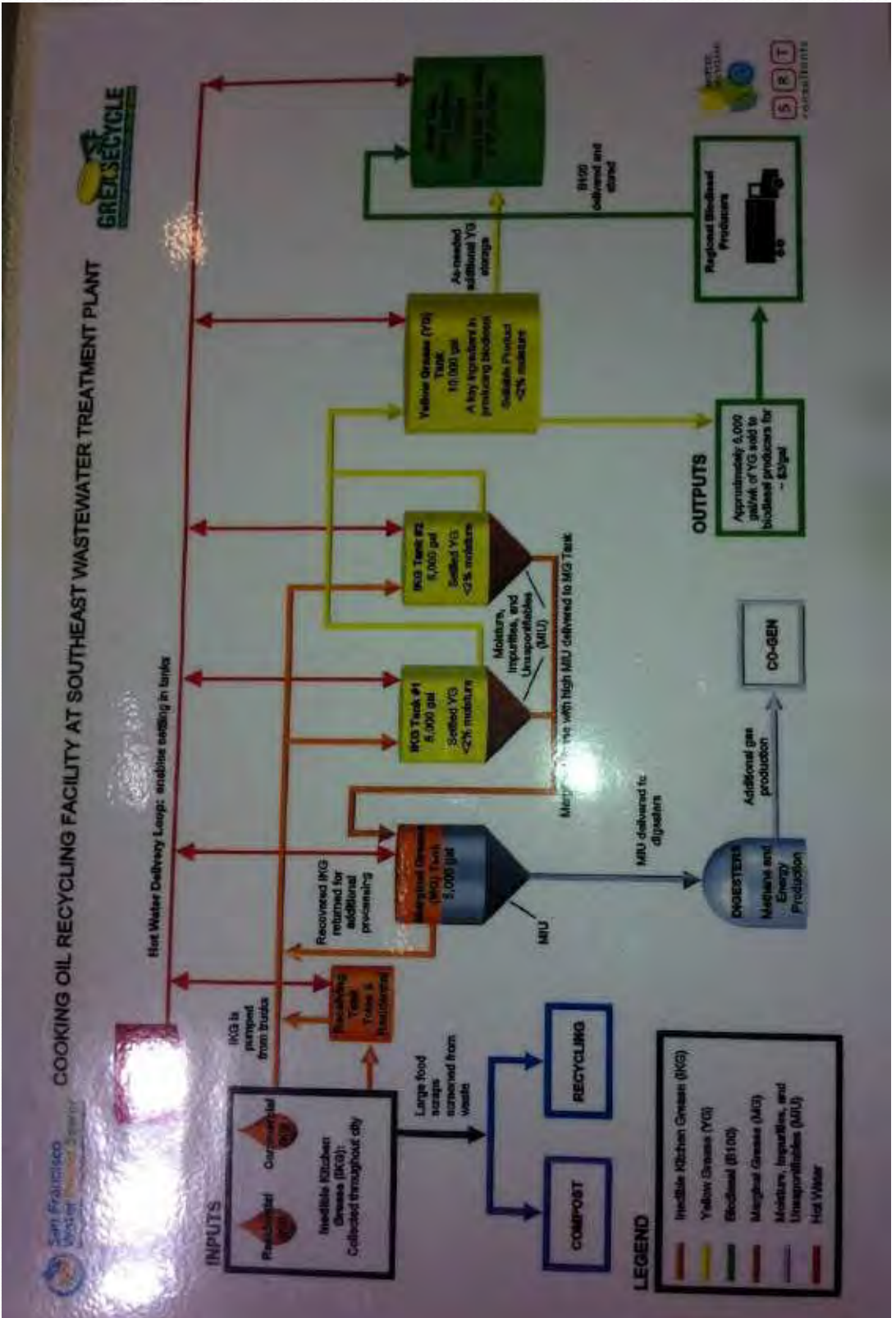
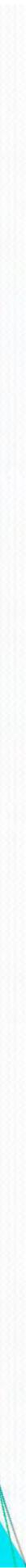
Pilot Digester Facility

Food Waste grinding



Cooking Oil Recycling Facility at SEP

Contact Info:
Karri Ving – Tel. (415) 695-7366



Cooking Oil Recycling Facility



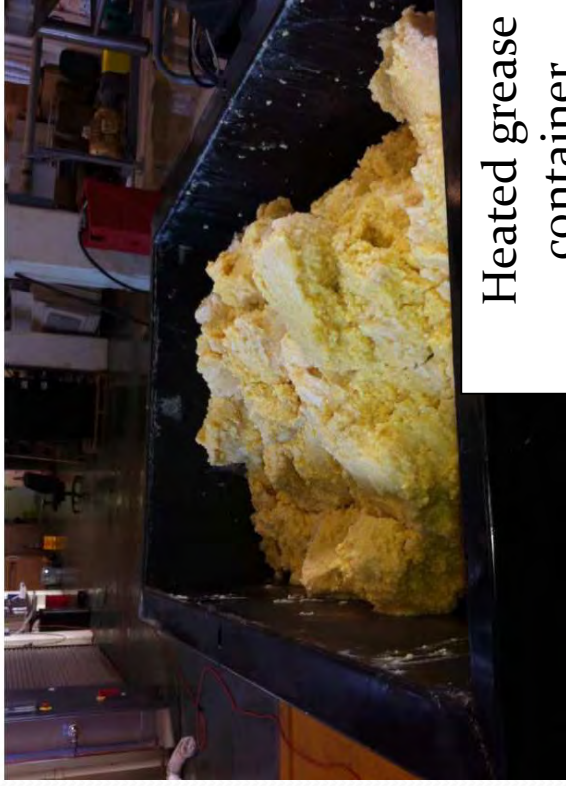
Grease/Oil Types



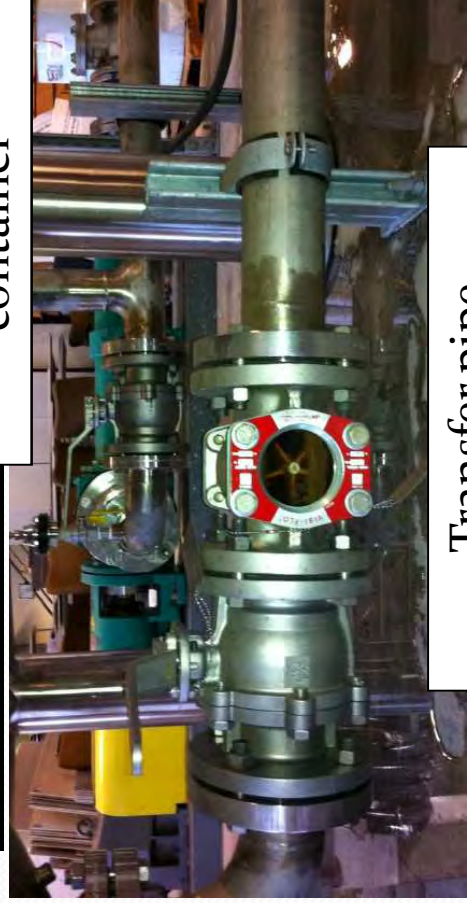
Cooking Oil Recycling Facility



Marginal Grease Tank



Heated grease container



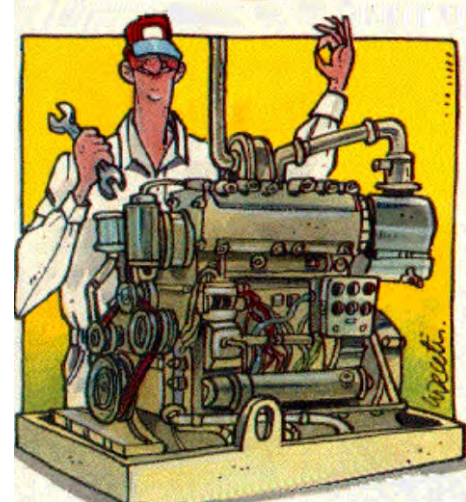
Transfer pipe

presents

COMPRESSION IGNITED (CI) RECIPROCATING INTERNAL COMBUSTION ENGINES (RICE)

Course #275

Reciprocating Internal Combustion Engines that run on diesel fuel or use diesel fuel for ignition purposes are used widely for emergency back-up power generation, pumping to power portable equipment and many other purposes. They are also a significant source of air contaminants. This course covers compression ignited reciprocating engine operating theory, emission control methods and technologies including after-treatment devices (DPF/Catalysts), regulations, and inspection techniques. Air quality inspectors, engine operators, and environmental professionals will find this information valuable in conducting inspections, minimizing emissions, and staying in compliance with air pollution regulations.



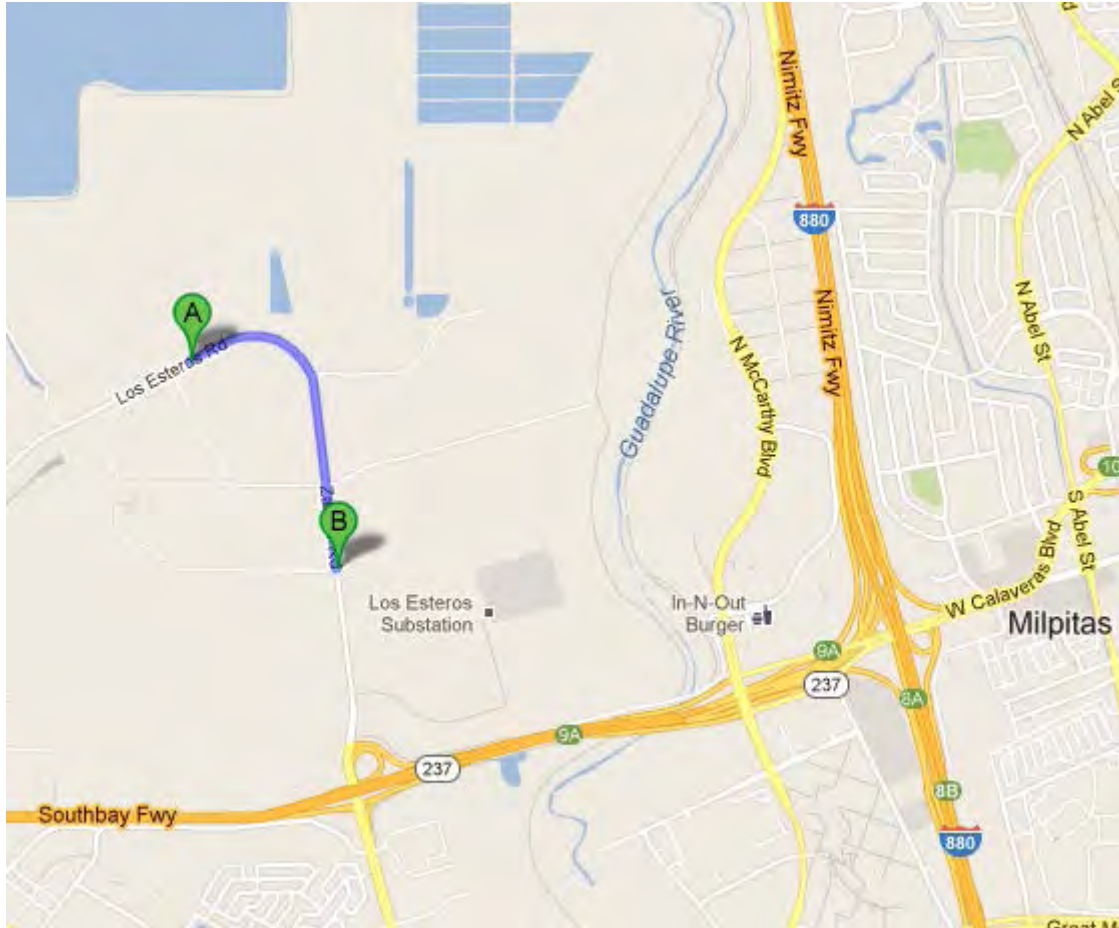
November 28, 2012

8:30 am - 5:00 p.m.

**City of San Jose Environmental Services Department
San Jose/Santa Clara Water Pollution Control Plant
4245 Zanker Road
San Jose, CA 95134***

* Students need to sign in at 700 Los Esteros Road, San Jose, CA 95134 (the admin building), and then come back to ESB (Environmental Services Building) at 4245 Zanker Road to attend.

Registration Information: <http://www.arb.ca.gov/training/courses.php?course=330>
MyARB Training Log in: <http://www.arb.ca.gov/training/myarb/login.php>
Registrar Information: arbtrain@arb.ca.gov or (916) 322-3937



Destination “A” = 700 Los Esteros Rd., San Jose, CA 95134
* Student Check-in

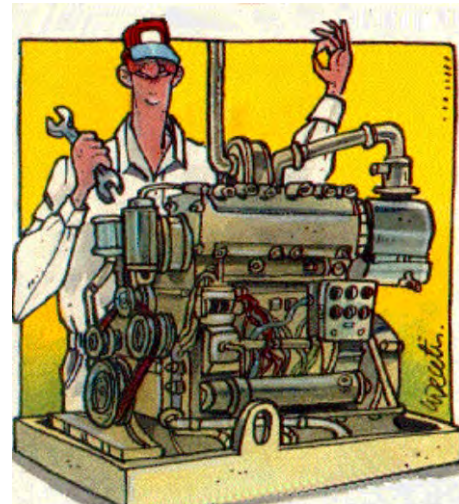
Destination “B” = 4245 Zanker Rd., San Jose, CA 95134
* Class location

presents

SPARK IGNITED (SI) RECIPROCATING INTERNAL COMBUSTION ENGINES (RICE)

Course #276

Reciprocating Internal Combustion Engines that run on diesel fuel or use diesel fuel for ignition purposes are used widely for emergency back-up power generation, pumping to power portable equipment and many other purposes. They are also a significant source of air contaminants. This course covers compression ignited reciprocating engine operating theory, emission control methods and technologies including after-treatment devices (Oxidation & 3-way Catalysts), regulations, and inspection techniques. Air quality inspectors, engine operators, and environmental professionals will find this information valuable in conducting inspections, minimizing emissions, and staying in compliance with air pollution regulations.



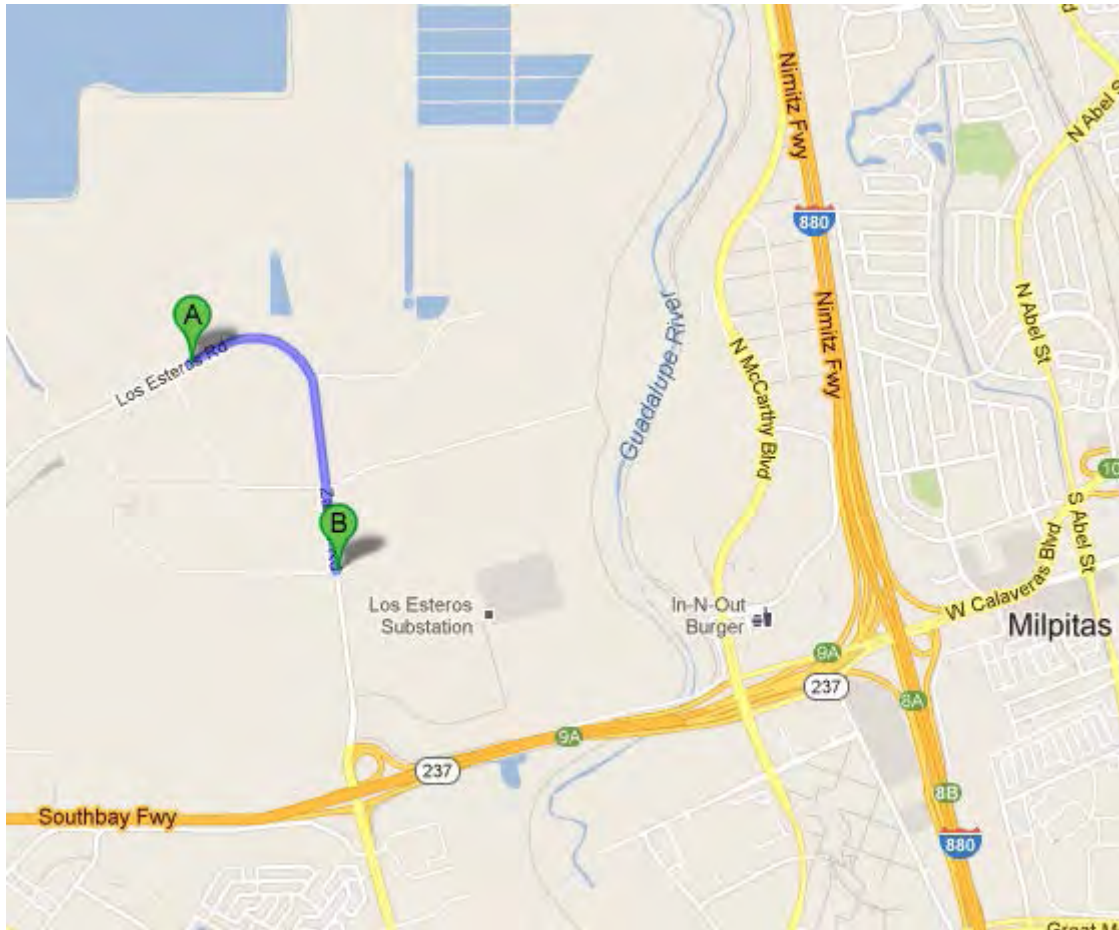
November 29, 2012

8:30 am - 5:00 p.m.

**City of San Jose Environmental Services Department
San Jose/Santa Clara Water Pollution Control Plant
4245 Zanker Road
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Registrar Information: arbtrain@arb.ca.gov or (916) 322-3937



Destination “A” = 700 Los Esteros Rd., San Jose, CA 95134

* Student Check-in

Destination “B” = 4245 Zanker Rd., San Jose, CA 95134

* Class location

Collection Systems Committee

Report to BACWA Board

November 15, 2012

From: Dan Stevenson, Committee Chair

Prepared By: Monica Oakley

Committee Request for Board Action: None

Highlights of New Items Discussed and Action Items

Status of Regional Water Board SSO Activities

Claudia Villacorta of the Regional Water Board provided information to the BACWA Collection Systems Committee at its November 1 committee meeting. She indicated that Regional Water Board staff is shifting their activity from enforcement, to audits and inspections. Some of the inspections are expected to result in a checklist of items to remedy, and some will result in a Notice of Violation (NOV) with a directive on activities (no penalty). During the audits/inspections, Regional Water Board staff will most likely look at: sanitary sewer overflow (SSO) trends; annual capital expenditures; California Water Environment Association (CWEA) certifications; previous enforcement actions; whether a complaint has been received from a member of the public or other anonymous entity; whether the median SSO rate has increased over the last three years as well as the overall mean; total volume of SSOs; and dollars/mile/year spent on the system in comparison to the median for the county.

A common deficiency that Regional Water Board staff has encountered so far in their inspections is a lack of support for SSO volume estimates. Claudia recommended that agencies retain documentation to show exactly how the volume for each SSO was computed. Also, any wash water used for SSO cleanup should be subtracted from the volume reported. Other recent deficiencies noted have included an incomplete Sewer System Management Plan (SSMP) and the fact that some agency staff have not been aware of the SSMP or what information is in the SSMP. Regional Water Board staff prefers to use a 4-page questionnaire for audits, instead of the much longer questionnaire used by the State Water Board. The current regional questionnaire is attached to this report for reference.

Claudia also reminded agencies about a letter that was recently sent out for discontinuing the SSO Annual Reports starting with the 2012 reporting year. She indicated that she received a lot of return mail which means that there are a lot of outdated Legally Responsible Officials (LROs) indicated in the California Integrated Water Quality System (CIWQS), and all agencies should check to make sure that their LROs, as well as the mailing address, are up to date. She clarified that it is not necessary to do an annual report once per year. Rather, the only requirement is to conduct an audit once every two years, as indicated in the State Water Board's Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR), and to keep it on-site.

Tech-Topic: Corrosion Control

At the November 1 committee meeting, Darby Howard of JDH Corrosion gave a presentation on corrosion issues for sanitary sewers and related environments. The PowerPoint presentation is available on request.

Changes to SSS WDR Monitoring and Reporting Program Update

Collection Systems Committee leadership have confirmed that State Water Board staff are working on a "surgical" markup of the Monitoring and Reporting Program (MRP) of the Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR), as discussed with senior State Water Board staff on October 4. As of October 30, SSO Reduction Program staff had provided a draft markup to the Office Of Enforcement for review. The next step is for SSO Reduction Program staff to provide a draft document to agencies for review.

Next BACWA Collection Systems Committee Meeting

Our next meeting will be held on Thursday, December 13, 2012, from 1:30 – 3:00 PM at the Boy Scouts Facility in San Leandro. Plans are underway to investigate an alternate location for future committee meetings.

WASTEWATER COLLECTION SYSTEM INSPECTION CHECKLIST

Agency:	
Inspection Team:	
Facility Representatives:	
Date of Inspection:	

A. SEWER SYSTEM OVERVIEW

Please provide responses to the information requested in the right column below or in a separate attachment as appropriate.

Item	Response
1. Population served by your agency's sewer system	
2. Service Area (sq. mi.)	
3. Are other agencies/communities discharging into this sewer system? If so, please provide a list of these agencies/communities. Does an interagency agreement exist and who is responsible for maintaining the other system(s)?	
4. Map showing major interceptors, trunk lines and pump stations	
5. Flow monitoring program in place? If so, please briefly describe the program and provide actual sewer system flows in #6 below.	
6. Provide design and actual sewer system flows: a. Average daily dry weather flow (MGD): b. Peak dry weather flow (MGD): c. Peak wet weather flow (MGD): d. Seasonal dry weather flow (MGD):	
7. Basis of peak flow (storm frequency):	1 in ____ year occurrence
8. Average annual precipitation (in):	
9. Miles of sewer (total)	
10. Miles of gravity sewers	
11. Miles of forced mains and other pressure systems	
12. What percentage of your sewer system was constructed between the years of: a. 2000-Present b. 1980-1999 c. 1960-1979 d. 1940-1949	

Item	Response
e. 1920-1939 f. Before 1919	
13. Responsibility for laterals? (e.g., at main line connection or from main line to property line (or easement or cleanout) or beyond property line)	
14. # of Pump stations	
15. % Pump stations with remote status monitoring	
16. % Pump stations with backup power sources	

Please present a general overview of the information requested in Sections B-E below. Please provide one hard copy and if available an electronic-copy of the documents indicated. Please note that some documents should only be made available for viewing purposes during the site inspection and will be indicated as such. When appropriate, please provide responses in the right column or in a separate attachment (provide one hard copy and if available an electronic copy). In some cases, the Agency may be requested to provide a demonstration and/or present an overview of the information requested during the site visit.

B. SEWER SYSTEM MANAGEMENT AND SPILL RESPONSE:

Item	Response
1. Sewer maps (viewing only) and/or demonstration of GIS	
2. Presentation and a copy of the 11 Elements of the District's Sewer System Management Plan (SSMP) <ul style="list-style-type: none"> a. Goals b. Organization c. Overflow Emergency Response Plan d. Fats, Oils and Grease (FOG) Control Program e. Legal Authority f. Measures and Activities (map; resources and budget; prioritized preventive maintenance; scheduled inspections and condition assessment; sewer cleaning and maintenance inventory, spare parts inventory; training; and outreach to plumbers and building contractors) g. Design and Construction Standards h. Capacity Management (assessment, system evaluation and capacity assurance plan) i. Monitoring, Measurement and Program Modifications j. SSMP Audit k. Communication Program 	
3. Number of current vacancies to operate and maintain sewer system in your organization	
4. Annual Budget for current and past three fiscal years	
5. Most recent Sewer Master Plan. Is the City on schedule with the implementation of projects recommended in its most recent Sewer	

Item	Response
Master Plan?	
6. List of capital improvement projects completed in the past three years; List of current and future capital improvement projects.	
7. Sources of funding for sewer O&M and capital improvement projects (i.e. sewer fees, general fund, bonds)	
8. Average current residential sewer fee, basis of sewer rate fee, and allocations of sewer fees. Sewer rates for the past five fiscal years. Provide copy of the most recent sewer rate study and discuss any plans if any to increase your Agency's sewer rates.	
9. Average time from spill report to on-site response for each calendar year for the past three years and current year.	
10. Demonstration of spill response tracking system (manual or computerized information management system). Make available for viewing customer complaint records, field spill reports, and office spill reports.	
11. Contingency equipment and replacement inventories. If not already included in the SSMP, provide an up-to-date list of critical spare parts, major equipment for O&M and for effective response to emergency conditions.	
12. Pump Station Inventory. Provide a list of pump stations including type and configuration, flow, percent of service area served by pump station, number of pumps and capacity, backup power, and alarms listing.	
13. Overflow Emergency Response Plan. If the plan is only referenced and not summarized in the SSMP, please provide a copy of the plan.	

C. SEWER SYSTEM MAINTENANCE:

Item	Response
1. Demonstration of maintenance management system (manual, computerized management information system or computer-based maintenance management system (CCMS)). Make available for viewing service request reports, work orders, system inventory, sewer inspection and condition assessment records, maintenance and cleaning records, and pump station O&M records/log books.	
2. Demonstration of telemetered monitoring and supervisory control systems (i.e. Supervisory Control And Data Acquisition (SCADA) system or system to gather data, supervise and control operations of the sewer collection system)	
3. Sewer cleaning statistics for last three full calendar years per year <ul style="list-style-type: none"> a. System cleaning production (miles per year) b. System cleaning frequency (years) c. Pipes cleaned at least once per year (% of system) 	

Item	Response
d. Number of manholes inspected annually e. Force mains inspected annually (miles or feet)	
4. Hot spot cleaning/inspection schedule (a-e above) and workload	
5. Average frequency of Food Service Establishments inspection over the past five full calendar years	
6. Summary of CCTV condition assessment rating	
7. Written explanation of pipe condition rating system	

D. SEWER SYSTEM CAPACITY

Item	Response
Has the system undergone a capacity and an Inflow/Infiltration (I/I) assessment? If so, please provide date and a summary of the findings.	
Is the District currently implementing an I/I reduction program? If so, please discuss any capital improvement projects or measures your Agency has implemented in the past 3 years and plans to implement in the future to reduce I/I into the system.	
Copy of Capacity assessment reports and Inflow/Infiltration (I/I) studies	

E. FINANCIAL INFORMATION

Complete Table 1 below utilizing previously audited budgets. Please estimate net assets for current fiscal year.

Table 1: Agency's Financial Summary

	FY 2009/2010 Actual	FY 2010/2011 Actual	FY 2011/2012 Actual	FY 2012/2013 Budgeted
Operating Revenue				
Operating Expenses				
Net Non-Operating Revenues				
Change in Net Assets				
Net Assets, Beginning of Year				
Net Assets, End of Year				

Please provide a list of your Agency's primary sources of revenue for collection system operation and maintenance, and for collection system capital improvement projects (i.e. sewer

service charges, inspection fees, connection fees, bonds, etc). For a municipality, please also provide a financial summary of the operating revenue and expenses associated with the operation and maintenance of the sewer collection system and implementation of related CIPs.

F. Sanitary Sewer Overflow (SSO) Event(s) and Unauthorized Discharge(s) Information:

Please provide additional information regarding the SSO Event(s) and unauthorized discharge event(s) that occurred on the following date(s). Please provide a response in the right column or in a separate attachment as appropriate. Please provide copies (one hard copy and if available one electronic copy of documents indicated below).

Item	Response
When applicable, specific questions or documentation needed regarding a specific SSO event(s) will be listed in this section.	

Permits Committee –
Report to BACWA Board

Reporting Date: 11/12/12
Executive Board Meeting Date: 11/29/12
Committee Chair: Jim Ervin

Committee Request for Board Action: None.

Adoption of Permits/Permit Amendments –

Nov – SASM: There was a blending issue regarding the SASM permit, and it was resolved.
Dec – Mercury and PCBs Watershed Permit.

Mercury & PCBs Watershed Permit: This permit will be adopted on 12 December:

- EPA Permits office opposed the BACWA is proposed interlaboratory comparison and Method 1668 in exchange for sampling frequency reduction for some dischargers.
- Palo Alto and Delta Diablo will be performing their own interlaboratory comparisons of PCBs analyses. The two agencies will coordinate their efforts.

Nutrients 13267: The first nutrient 13267 reports were submitted to Water Board in October. Jim Ervin summarized nutrient data from 21 agencies. Nirmela Arsem will discuss the summary with Lab committee to help agencies determine if everyone is measuring nutrients correctly. Tong Yin is working with SFEI to further improve the Nutrient 13267 data input spreadsheet. Permits Committee will identify 13267 parameters that should be recommended for dropping from the study soon, or after collection of the second Nutrient 13267 report in February.

- On a somewhat related note: Lilia Corona reported that Mount View Sanitation District has been trying to manage a 25 acre algae bloom in McNabney Marsh in the late-Summer and Fall involving cyanobacteria bloom and low DO. Jim Kelly will connect Lilia with David Senn to see if the McNabney Marsh bloom is connected with other nutrient events in or near Suisun Bay.

Sac Regional Permit Revisions: Jim Kelly summarized the final provisions in the Sacramento Regional Permit regarding coliform and nitrate limits and the rationale justifying them.

State Board Resource Alignment Initiative: State Board is looking for input on streamlining ideas to save money. Lorien circulated a sign-up sheet amongst Permits committee members.

Toxicity Policy: The State Board was planning to adopt this policy in December. Adoption has now been delayed until February. CASA continues to advocate a phased approach under which the policy would be adopted but numeric objectives and numeric limits and enforcement would be delayed for up to 3 years. Agencies in Southern California and some other regions support this approach because their Water Boards will quickly reopen permits to implement the new toxicity rules. The Region 2 Board indicated that they will not reopen permits, therefore, most agencies in Region 2 do not support the phased approach because the new rules will not be imposed on them until next permit renewal – UNLESS, current monitoring frequency remains the same through the first phase of implementation.

- Jim Kelly communicated BACWA concerns and desires about the phased approach to Bobbie Larson.
- Region 2 staff indicated that they will work with BACWA to resolve toxicity policy regarding Reasonable Potential for Acute testing (possibly using language from the Ocean Plan as a model) and application of instream waste concentration. Lorien is scheduling a meeting with Water Board staff and BACWA reps.

Residual Chlorine Meters: The 2008 Chlorine Meter Study was provided to Water Board staff. Robert Schlipf is the designated Water Board point person. There will be no further action until we hear back from Robert.

Next BACWA Permits Committee Meeting: Tuesday, December 11th, 2012, at EBMUD Plant Library.

Director's Report to the Board

October 20-November 21, 2012

Prepared for the November 29, 2012 Executive Board Meeting

NUTRIENTS:

13267 LETTER: First Quarter of data has been submitted.

REGULATORY FRAMEWORK/PERMITTING STRATEGY: Reviewed Task 2 Memorandum, summarized BACWA/Regional Board's comments on the strategy. Developed follow-up Scope of work with LWA to develop a comparison "pro/con" document for a follow up discussion between BACWA and the RWQCB. Work is underway on the comparison document.

SUISUN BAY/SWAMP STUDY: Attended the SWAMP meeting on November 9, 2012. CCCSD presented results of their "living lab" that found a large diatom bloom in Pacheco Creek downstream of their discharge point.

SAG MEETING: Attended SAG meeting; Martha Sutra stated that the EPA headquarters don't favor a NNE approach that does not yield a numeric effluent limit. Follow-up conversation via telephone with Naomi Fager regarding reallocating SEFI Modeling Funds.

NUTRIENT STRATEGY: Discussed status of SFEI effort, potential next steps, and focus of the Pardee presentation with Dave Senn. Worked with Dave Senn to follow up on direction from the BACWA Board on SEFI priorities and reallocating current funding (on today's agenda) to allow a smooth transition to next steps. The most recent progress report and invoice from SFEI is attached to this report.

NUTRIENT SUMMIT: Reviewed issue paper. The concept is more fully described in LWA Task 1 memo that is the handout packet.

GOVERNANCE/OVERSIGHT: Worked with consultant to prepare for Pardee Technical Seminar and documented discussion at Pardee. Expect direction from Board at November 29 Board Meeting.

FRESHWATER CYANOTOXIN WORKSHOP: Reminder: this conference will be held in Oakland November 28th. BACWA members are welcome to attend.

FEDERAL WATER QUALITY COALITION: Information about this organization, led by Fred Andes, is included as an attachment to this report. BACWA may want to consider allocating funds to become a member of the FWQC.

REVIEW AND COMMENT ON SSS MRP PROPOSED REVISIONS: Proposed changes are being prepared by the RWQCB.

RWQCB/BACWA MEETING: Working to schedule a meeting in Early January to discuss Regulatory Framework and Nutrient Strategy Oversight.

ANNUAL PARDEE TECHNICAL SEMINAR: Prepared for and participated in the November 5-7, 2012 annual Pardee Technical Seminar. Worked with consultants, Dave Senn and AED to prepare materials for the meeting.

REGULATORY PROGRAM MANAGER (RPM): See RPM report in the agenda packet.

SACRAMENTO REGIONAL NEW DRAFT NPDES PERMIT: A new Draft Order was released on October 29, 2012. Based on input from the BACWA Board, prepared and submitted a comment letter.

DRAFT POLICY FOR TOXICITY ASSESSMENT AND CONTROL: See RPM's report for more information.

REGIONAL BOARD UPDATE: Met with Lila Tang and Bill Johnson to discuss dilution credit and TST.

MEETINGS ATTENDED: Permits Committee; SWAMP; Stakeholder Advisory Group Meeting; Meeting with RB2 Staff and Lorien Fono to discuss Tentative Order for the Hg/PCB Watershed Permit.

BIOSOLIDS FACT SHEET: The Fact Sheet was completed.

STATE BOARD PROPOSED REVISION TO OPERATOR TRAINING REQUIREMENTS: Circulated SWRCB revised proposal to the Operations Group; there was short response time, and no comments were received.

TECHNOLOGY RESEARCH & DEVELOPMENT: IED provided information to BACWA members for the Isle TAG meeting in California scheduled in Orange County November 8th. Due scheduling conflict few if any BACWA representatives attended the meeting.

MISCELLANEOUS:

-Answered miscellaneous questions of from the public.

-Laypersons Guide: Work with Board to name a BACWA representative for the editorial board.

NEXT MONTH

FOLLOWUP ON SACRAMENTO REGIONAL PERMIT: As needed.

SUISUN BAY ISSUES: As needed.

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

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

NPDES PERMIT PETITION DISMISSAL: Consult co-petitioners as they come up for renewal.

NUTRIENT SUMMIT: Attend meeting with SWRCB on December 12th.

FUTURE MEETING: Hold at SFPUC's new offices?

AIR COMMITTEE: Work with Air Committee Leadership to develop fee and funding alternatives, and contact Air Board regarding a number of issues.

Hg/PCB WATERSHED PERMIT REISSUANCE: Follow-up on risk reduction.

TECHNOLOGY RESEARCH & DEVELOPMENT: Follow up with Isle Utilities Technology Approval Group (TAG) to determine if BACWA member representatives could attend a future TAG Meeting.

SFEI Monthly Status Report

San Francisco Bay Nutrient Strategy Support

Report Period: October 1st – October 31st, 2012

SUMMARY

Work during this period included meetings with BACWA, other stakeholders, and Regional Water Quality Control Board staff, continued data gathering and interpretation for Suisun and preparing a draft Suisun Synthesis Report

WORK COMPLETED THIS PERIOD

Task 1 Project Administration and Reporting

- Project management tasks, including communications with BACWA Board and Executive Director, and preparing an invoice and status report.

Task 2.1 Form a Stakeholder Advisory Group and facilitate review of strategy

- Begin planning for November 19th, 2012 SAG meeting

Task 2.2 Produce a nutrient strategy

- Revisions of nutrient strategy in response to comments in preparation for upcoming new draft

Task 2.3 Stakeholder Outreach and Coordination

- Meeting with and soliciting input from BACWA, stakeholders, and Regional Water Quality Control Board staff
- Preparation for presentation at BACWA retreat. The presentation will give an update on the recently completed Suisun Synthesis draft and will propose a similar analysis for South Bay and Lower South Bay

Task 4.1 Synthesis Report and Study Plan for Suisun Bay

- Completion of the first draft of the Suisun Synthesis Report on October 26th, 2012 (including an executive summary). The report contains following sections:
 - Section 1: Introduction and Background
 - Section 2: Literature review on factors influencing phytoplankton nutrient uptake and metabolism
 - Section 3: Research on NH₄ inhibition of primary production in Suisun Bay
 - Section 4: Evidence for toxicity of ammonium to copepods and other aquatic species
 - Section 5: Synthesis of information on zooplankton of the upper San Francisco Estuary
 - Section 6: Synthesis of ambient water quality data in Suisun Bay
 - Section 7: Recommended next steps

Sections 2, 3, 5 and 6 (which represent the bulk of the document) are complete first drafts, and Sections 1, 4 and 7 may be expanded in subsequent drafts of the

report. The draft was first distributed to BACWA and Regional Water Board staff for comment and will be followed by larger external review

NEXT STEPS (90-DAY LOOK AHEAD)

- Present at BACWA retreat on November 5th, 2012
- Respond to comments on draft Suisun Synthesis, and finalize draft
- Meetings and coordination with BACWA, Regional Board, and other stakeholders to continue development Nutrient Strategy
- Preparing for stakeholder meeting on November 19 2012
- Develop scopes of work for and begin work on Lower South Bay synthesis, second round of Suisun Synthesis (ecosystem impacts of changes in N:P and NH₄:NO₃)

SCHEDULE

Task 2 and 4 are generally proceeding on schedule. The first draft of the Suisun Synthesis report was originally intended for September 2012, and was completed at the end October 2012 to accommodate substantial changes in the scope of the document. The document is being commented on by BACWA and the Regional Board. We have also solicited “internal” scientific feedback from the nutrient conceptual model technical team. A revised draft that addresses these initial comments is expected in January 2013.

A revised draft of the Nutrient Strategy that addresses a first round stakeholder comments is being distributed in mid-November 2012.

BUDGET

Total expenditures during this 1 month billing period were \$36,945.98. Total billing to date is \$163,418.62, approximately 47% of the total contract.

Invoice

San Francisco Estuary Institute
4911 Central Ave.
Richmond, CA 94804
EIN 94-2951373

November 05, 2012
Project No: 1092.00
Invoice No: 1092008

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

Project 1092.00 SF Bay Nutrient Strategy Support
attn: James Kelly

Professional Services from October 01, 2012 to October 31, 2012

Task 001 Project Administration and Reporting

Professional Personnel

	Hours	Rate	Amount	
Sr Manager/Sr Scientist II				
Senn, Dave	7.50	139.91	1,049.33	
Sr Environmental/IT/GIS Analyst				
Novick, Emily	4.50	68.51	308.30	
Totals	12.00		1,357.63	
Total Labor				1,357.63
Total this Task				\$1,357.63

Task 002 Nutrient Strategy Development & Coordina

Professional Personnel

	Hours	Rate	Amount	
Sr Manager/Sr Scientist II				
Senn, Dave	24.50	139.91	3,427.80	
Sr Environmental/IT/GIS Analyst				
Novick, Emily	14.00	68.51	959.14	
Totals	38.50		4,386.94	
Total Labor				4,386.94
Total this Task				\$4,386.94

Task 004 Synthesis of Science: Suisun Bay

Professional Personnel

	Hours	Rate	Amount	
Sr Manager/Sr Scientist II				
Senn, Dave	95.50	139.91	13,361.41	
Scientist II-III				
Jabusch, Thomas	12.00	102.77	1,233.24	
Sr Environmental/IT/GIS Analyst				
Novick, Emily	76.00	68.51	5,206.76	
Totals	183.50		19,801.41	
Total Labor				19,801.41

Consultants

Contact Lawrence Leung at 510-746-7356 or lawrence@sfei.org for questions.

Project	1092.00	SF Bay Nutrient Strategy Support	Invoice	1092008
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Subcontractor

10/3/2012

Applied Marine Sciences

Cont #1031 7/15/12-9/30/12

11,400.00

Total Consultants

11,400.00

11,400.00

Total this Task

\$31,201.41

Billing Limits

Current

Prior

To-Date

Total Billings

36,945.98

126,472.40

163,418.38

Limit

350,000.00

Remaining

186,581.62

Total this Invoice

\$36,945.98

Project Manager



Date: 11/12/2012

Emily Novick

October 3, 2012

Mr. Lawrence Leung
San Francisco Estuary Institute
4911 Central Avenue
Richmond, CA 94804

DATE RECEIVED 10/12/12

APPROVED BY _____

DATE PAID _____

CHECK NO. _____

POST ACCOUNT(S) 1092/004/531

Q+125FEJZ

331-Phytoplankton

\$11,400.00 U.S.

Phytoplankton

Contract No: 1031

Period of Performance: July 15-September 30, 2012

Invoice: 331-12/01

LABOR	Current Costs	Cumulative Costs	Current Hrs.	Rate/Hr
Dr. Mine Berg	\$12,445.00	\$12,445.00	131.00	\$95.00
AMS Labor Subtotal	\$12,445.00	\$12,445.00	131.00	
OTHER DIRECT COSTS	Current Costs	Cumulative Costs		
Comm/Shipping				
Miscellaneous				
SUBTOTAL DIRECT COSTS				
TOTALS	Current Costs	Cumulative Costs		
Total ODC's			Remaining Dollars in Budget	
Total Expenditures	\$12,445.00	\$12,445.00	\$0	
Total Allowed Amount	\$11,400.00	\$11,400.00		
			TOTAL DUE <u>\$11,400.00</u>	
Please Remit Payment to: Applied Marine Sciences, Inc. 4749 Bennett Drive, Suite L Livermore, CA 94551 FEIN: 94-311-2543				



Federal Water Quality Coalition

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About FWQC

The Federal Water Quality Coalition is a group of industrial companies, municipalities, agricultural parties and trade associations. The Coalition's members are directly affected by, or have members that are directly affected by, regulatory requirements imposed under the Clean Water Act. The Coalition participates in federal and regional water quality rulemakings, initiatives and guidance development, through negotiation, written comments and litigation. The Coalition's goal is to ensure that water quality programs are focused, flexible and founded on sound science.

Here are some of the issues that the Federal Water Quality Coalition works on:

- Total maximum daily loads (TMDLs)
- Development of water quality criteria and standards
- NPDES permitting issues
- Mixing zones
- Interaction of Clean Water Act and Endangered Species Act
- Mercury issues

For information about becoming a member of the Federal Water Quality Coalition, please contact Fred Andes, of the law firm of Barnes & Thornburg, counsel to the Coalition, at fandes@btlaw.com or 312.214.8310

The Federal Water Quality Coalition Information Source is a service for members of the Coalition. The Information Source is an online resource library of federal regulations and guidance, Coalition comments on rulemakings and draft guidance, and other documents and materials on water quality issues.

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Member Benefits

The Federal Water Quality Coalition ("FWQC") is a group of industrial companies, municipalities, agricultural entities and trade associations. The Coalition's members are directly affected by, or have members that are directly affected by, regulatory requirements imposed under the Clean Water Act. The Coalition participates in federal and regional water quality rulemakings, initiatives and guidance development, through negotiation and written comments. These activities are managed by the Coalition's Coordinator, [Fred Andes](#) of the law firm of Barnes & Thornburg. The Coalition's goal is to ensure that water quality programs are focused, flexible and founded on sound science.

Current Membership

- Alcoa, Inc.
- American Chemistry Council
- American Coke and Coal Chemicals Institute
- American Forest & Paper Association
- American Iron and Steel Institute
- American Petroleum Institute
- Association of Idaho Cities
- Auto Industry Forum
- City of Superior (WI)
- Coeur D'Alene Mines Corporation
- Edison Electric Institute
- Freeport-McMoRan Copper & Gold
- General Electric Company
- Hecla Mining Company
- Indiana Coal Council
- Mid America CropLife Association
- National Association of Home Builders
- Olin Corporation
- Orange County (CA) Sanitation District
- Pharmaceutical EHS Sustainability Council
- Rubber Manufacturers Association
- Utility Water Act Group
- Western Coalition of Arid States
- Weyerhaeuser Company

Current and Planned FWQC Activities

The FWQC's list of projects is constantly changing as projects are completed and new projects identified. The most current list and summary of FWQC activities is contained in the attached matrix.

The FWQC organizes teams of members to address specific interest areas. Individuals from our member organizations may join as many teams as they would like. Teams and activities are currently addressing the following issues:

- Ammonia Criteria
- Antidegradation Review
- Bioaccumulation Factors (BAFs)
- Climate Change & Water Quality
- Contaminated Sediments
- Construction & Development Controls
- Listing of Impaired Waters
- Mercury Criteria & Implementation
- Mixing Zone Restrictions
- NPDES Permitting Issues
- NPDES Permit Fees
- Nutrient Criteria & Control Requirements
- PCB Test Methods
- Selenium Criteria & Implementation
- Storm Water Permits
- TMDLs (Total Maximum Daily Loads)

- Use Attainability Analyses (UAAs)
- Water Quality Standards
- Whole Effluent Toxicity (WET)

The Coalition comments on many EPA and state activities concerning water quality issues, and Barnes & Thornburg hosts frequent conference calls for the various teams to discuss recent developments on those issues. If an issue is of particular concern to a group of members, Barnes & Thornburg often arranges meetings between members and agency personnel. In addition, Barnes & Thornburg sends regular e-mails to notify members of agency activities, meetings, comment deadlines, and other relevant events as they arise.

Dues Structure

FWQC members pay dues once each year; invoices are usually issued in January. The dues entitle members to participate in all FWQC activities, and benefit from all of the services described above, except for litigation, which is funded separately by those members that decide to participate in the specific case. Dues amounts are set by category; the four categories of members for dues purposes are large trade associations, small trade associations, individual companies, and municipal entities. If your organization is interested in joining the FWQC, you should contact Fred Andes to find out what your dues amount would be. Mr. Andes can be reached at 312/214-8310, and at fandes@btlaw.com.

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