



Executive Board Meeting Agenda

Thursday, September 26, 2013, 8:00 a.m. – 12:00 p.m.
EBMUD Lab Library, 2020 Wake Ave., Oakland, CA

<u>Agenda Item</u>	<u>Time</u>	<u>Page #</u>
ROLL CALL AND INTRODUCTIONS	8:00 a.m. – 8:03 a.m.	
PUBLIC COMMENT	8:03 a.m. – 8:05 a.m.	
CLOSED SESSION The Board will meet in Closed Session to discuss personnel matters pursuant to California Government Code section 54957.	8:05 a.m. – 9:00 a.m.	
REPORT OUT FROM CLOSED SESSION	9:00 a.m. – 9:02 a.m.	
CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER	9:02 a.m. – 9:04 a.m.	
CONSENT CALENDAR 1. August 29, 2013 BACWA Executive Board Meeting Minutes 2. July 2013 Treasurer’s Report 3. Fiscal Year 2012-13 Financial Reports – Scott Klein (BACWA Treasurer) 4. Regulatory Program Manager contract for a one year term with two single year extensions.	9:04 a.m. – 9:15 a.m.	3 – 8 9 – 14
REPORTS 5. Committee Reports 6. Executive Board Reports 7. Executive Director Report - ASC/SFEI update - Water Quality Standards Regulations 8. Regulatory Program Manager Report - Toxicity - Selenium TMDL - Regulatory Issue Summary, September 2013 9. Chair & Executive Director Authorized Actions a. Executive Director Authorization of agreement with O’Rorke, Inc. for BAPPG P2 Week Outreach support, not to exceed \$1,500 in FY 2013-14; File 13,083; b. Executive Director Authorization of agreement with Clone Digital Print and Copy for BAPPG Pesticide Outreach materials production, not to exceed \$1,700 in FY 2013-14; File 13,085.	9:15 a.m. – 9:40 a.m.	15 –22 23 –27 28 –38 39 –42
OTHER BUSINESS 10. <u>Discussion</u> : Pardee Planning 11. <u>Discussion</u> : Nutrients a. Technical Work i. Update on Nutrient Data and Analyses (Jim Ervin)	9:40 a.m. – 11:59 a.m.	43 –44 45 –59

<ul style="list-style-type: none"> ii. Technical Symposium on Nutrients (RPM) b. Governance Structure <ul style="list-style-type: none"> i. Update on BACWA/Water Board Steering Committee ii. Update on Steering Committee Facilitator Activities c. Regulatory <ul style="list-style-type: none"> - BACWA's Watershed Permit Negotiating Team Activities 		60 – 62
12. <u>Presentation:</u> IRWMP Update (Linda Hu, Water Recycling Committee Co-Chair)		
13. <u>Discussion:</u> BAPPG Pollutant Prioritization		
14. <u>Discussion:</u> Proposal to Meet Risk Reduction Requirements (RPM)		63
15. <u>Discussion:</u> Arleen Navarret Biennial Award		64 –67
16. <u>Discussion:</u> Annual Member Meeting		68
SUGGESTIONS FOR FUTURE AGENDA ITEMS	11:59 a.m. – 12:00 p.m.	
NEXT REGULAR MEETING The next regular meeting of the Board is scheduled for November 15, 2013 at the EBMUD Treatment Plant Lab Library. Pardee Technical Seminar is scheduled for October 23 – 25, 2013.		
ADJOURNMENT	12:00 p.m.	



Executive Board Meeting Minutes

Thursday, August 29, 2013, 8:00 a.m. – 12:00 p.m.
EBMUD Lab Library, 2020 Wake Avenue, Oakland, CA

ROLL CALL AND INTRODUCTIONS

Executive Board Representatives: Mike Connor, Chair (East Bay Dischargers Authority); Laura Pagano, Vice Chair (San Francisco Public Utilities Commission); Curt Swanson (Central Contra Costa Sanitary District); Jim Ervin (San Jose)

Other Attendees: Vince DeLange (East Bay Municipal Utility District); Nirmela Arsem (East Bay Municipal Utility District); Tim Potter (Central Contra Costa Sanitary District); Dana Lawson (Central Contra Costa Sanitary District); Bhavani Yerrapotu (Sunnyvale); Dan Stevenson (Sunnyvale); Amanda Roa (Delta Diablo Sanitation District); Greg Baatrup (Fairfield-Suisun Sewer District); Karin North (Palo Alto); Monte Hamamoto (South Bayside System Authority); Beverly James (Novato Sanitation District); Ed McCormick (Union Sanitary District); Monica Oakley (RMC Environmental); Denise Conners (Larry Walker Associates); Jim Kelly (JMK Engineering); Andre Gharagozian (Carollo Engineers); Sarah Deslauriers (Carollo Engineers); Holly Kennedy (HDR); Tom Hall (EOA); Kathy Rosinski (CH2M Hill); Lorien Fono (Patricia McGovern Engineers); Dave Williams (BACWA); Alexandra Gunnell (BACWA).

PUBLIC COMMENT

There were no public comments.

CONSIDERATION TO TAKE AGENDA ITEMS OUT OF ORDER

None.

CLOSED SESSION/ REPORT OUT FROM CLOSED SESSION

The Board met in Closed Session to discuss personnel matters pursuant to California Government Code section 54957. No Board approved actions were taken.

CONSENT CALENDAR

A Board Authorization Request (BAR) form that was inadvertently omitted from the handout packet was distributed in reference to **agenda item 3, Appointment of ASC/SFEI Board Representatives**. *Agenda items 1 – 5 were approved in a motion made by Curt Swanson and seconded by Laura Pagano. The motion carried unanimously.*

1. July 25, 2013 BACWA Executive Board Meeting Minutes
2. June 2013 Treasurer's Report
3. Appointment of ASC/SFEI Board Representatives
4. Amendment 1 to agreement with Avila for Prop84 Grant Administration Support to increase contract value not to exceed \$100,000; File 12,803.
5. Agreement with Quality Assurance Solutions for Lab Committee Training, not to exceed \$550.00 in FY 2013-14; File 13,074.

Agenda item 6, the agreement with Solano Community College for Bay Area Consortium Water & Wastewater Education Program Services for the Fall 2013 semester, not to exceed \$93,000, File 13,075, was pulled from the Consent Calendar for discussion. The Board expressed concern that the current agreement does not protect BACWA from financial liability in the event that adequate funds are not collected from the program contributors. The agreement was approved with the understanding that the Executive Director (ED) will investigate options for reducing BACWA liability in future agreements with Solano Community College. *The motion to approve the current agreement was made by Curt Swanson, seconded by Mike Connor, and passed unanimously.*

REPORTS

Committee Reports were reviewed under **agenda item 7.**

Tim Potter, Permits Committee Chair reviewed the report that was included in the handout packet. He explained that the Pre-Treatment group met in July and Kirsten Struve surveyed attendees to assess their interest. An October face-to-face meeting with a call in option has been proposed. San Francisco Regional Water Board staff (Water Board) were notified about this newly formed group at the August Joint BACWA/Water Board meeting.

The Collection Systems Committee Report was included in the handout packet. Mike Connor inquired if anyone had encountered issues with the newly released state Monitoring and Reporting Program (MRP) for the Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR), and Curt Swanson of CCCSD noted that they have not had any issues to date.

The Recycled Water Committee report was included in the handout packet and reviewed by Lorien Fono, BACWA's Regulatory Program Manager (RPM). She noted that the IRWMP draft is ready for review. The committee is currently reviewing potential Prop 84 projects and prioritizing them based on criteria established at last committee meeting. She also noted that under proposed legislation responsibility for drinking water program would be transferred from the Department of Public Health to the State Water Resources Control Board (State Board).

Amanda Roa reported out for BAPPG. She informed attendees that Palo Alto has won the Dr. Teng-Chung Wu award. The committee has purchased the url "wipesclogpipes" to redirect to the Baywise website and they will hold their pollutant prioritization meeting in September.

Executive Board representatives provided updates from each of the Principal agencies under **agenda item 8, Executive Board Reports.** The Chair also provided an opportunity for any BACWA member agency representatives in attendance to report out.

Curt Swanson reported that Roger Bailey has started as the new General Manager of Central Contra Costa Sanitary District (CCCSD). Curt will relay the Board's invitation to attend Pardee to Mr. Bailey. Regarding the Nutrient studies required in their NPDES permit, the optimization study almost complete and report will be finished in the next few months to meet their deadline for submission to the Water Board by February 2014. They are planning to conduct a repeat of Dr. Swee Teh's

Suisun Bay study starting in September and then the Copepod study required by their NPDES permit will follow.

Vince DeLange reported that East Bay Municipal Utility District (EBMUD) is still working to develop their EPA grant proposal. Any agency interested in participating and contributing in-kind support should contact them.

Laura Pagano of the San Francisco Public Utilities Commission (SFPUC) noted appreciation for the assistance provided by BACWA with the renewal of their NPDES permit.

Jim Ervin reported that San Jose still supports EBMUD's pursuit of the EPA grant but regrettably is unable to participate in the project.

Mike Connor of the East Bay Dischargers Authority (EBDA) reported that he and the ED attended the CASA conference and noted the emphasis on "water resource recovery" in presentations on the "Utility of the Future" by the Water Environment Foundation, the Water Environment Research Foundation and a representative from the Milwaukee Metropolitan Sewerage District. The conference also included presentations on construction projects designed to meet Nutrient removal requirements in Region 2. Laura Pagano also attended the conference and noted that CASA is changing their structure which will eliminate technical forums and some committees, expand on integrated topics, and add a Utility of the Future committee. The ED also noted that CASA has moved to a new business model will hired personnel. He also commented on contrast between presentations on innovation and actual projects undertaken to meet permit requirements, and suggested that innovations need to be taken into greater considerations as regulations are developed.

The **Executive Director's August Report** was included in the handout packet for **agenda item 9** and reviewed by Dave Williams. He noted that performance evaluations for the Regulatory Program Manager (RPM) and Assistant Executive Director (AED) have been completed. Two complementary passes are still available for the Bay Planning Coalition's Energy and Water Nexus and can be obtained by contacting the AED. The Board congratulated Dave on his appointment as first Vice President of the California Association of Sanitation Agencies Board of Directors. It is expected that he will assume the role of President for 2014-15. The ED explained that he does not envision a conflict of interest, but if a potential conflict should arise he would recuse himself and noted that he has sufficient time to fulfill his responsibilities as BACWA ED and provide support to CASA.

The **Regulatory Program Manager Report** was included in the handout packet and reviewed by Lorien Fono under **agenda item 10**. She noted that she attended the closed session meeting hosted by the State Water Board to discuss proposed changes to the Toxicity Plan with POTW stakeholders, along with BACWA agency representatives, Tim Potter, Laura Pagano, Jim Ervin, and Dan Jackson. A summary of talking points was distributed and she requested that feedback. The Board requested that the RPM develop a comment letter for their review. CASA is scheduling a meeting with Water Board staff and the RPM will work with them to include a BACWA representative. The RPM is also

working with the Central Valley Regional Water Board and the San Francisco Estuary Institute/Aquatic Science Center to investigate options for fulfilling risk reduction permit requirements. Lorien will prepare proposals for the Board to review in September, and will continue work with Tim Potter to explore transferring the responsibility to the state level. It was noted that the Regional Board may want to explore utilizing the state's clean up and abatement fund. The RPM noted that she has also been collecting responses from the Permits committee about possible enhancements to BACWA's sewer rate survey and that one recommendation is to factor in property taxes.

The following **Chair and Executive Director Authorized Actions** were taken since the July 25, 2013 Board meeting, listed under **agenda item 11**, and supporting information was included in the handout packet.

- a. Chair Authorization of agreement with Causey Consulting for Sewer Rate Survey support, not to exceed \$6,000 in FY 2013-14; File 13,063.

OTHER BUSINESS

For **agenda item 12 Sarah Deslauriers of the California Wastewater and Climate Change Group (CWCCG) presented on Greenhouse Gas Emissions Regulations**. A link to her presentation will be added to the [AIR committee page](#) of the BACWA website and she noted that more information about the CWCCG can be found on the CASA website at <http://www.casaweb.org/climate-change>. The BACWA Board requested to receive quarterly updates from CWCCG in the future.

For **agenda item 13**, a debrief of items discussed at **the Joint Water Board/BACWA meeting held on August 20, 2013** was covered under previous agenda items, including Committee, Board, ED and RPM reports, and would also be addressed under later agenda items including Nutrients and Pardee planning.

Under agenda item **14.a.i and 14.a.ii, Nutrients reporting and monitoring** were discussed. Tim Potter will check with David Senn about the status of developing proposed changes for Year 2. It was noted that the decision trees were discussed at the August 20th Joint meeting with the Water Board and they have suggested that they be renamed "Science Plan". During the Joint meeting BACWA expressed the importance of having the decision trees as a means to convey the need for ongoing support of Nutrient-related work to member agencies' governing boards.

For **item 14.a.iii**, the plans for the upcoming **Technical Symposium on Nutrients** were reviewed. The date has been set for October 21st at SPUR in San Francisco. The venue can accommodate a maximum of 160 attendees. A Save the Date e-mail will be sent to all POTW member agencies, select NGOs, EPA representatives, and consultants today by the AED and RPM. Webcast capability is being considered and all presentations will be posted to BACWA website. A suggestion was made to videotape the symposium and Steve McDonald of Carollo will be investigating if that is feasible. The

presenters will be reminded that they should be prepared to answer questions related to cost. Any request for potential questions for presenters to address, should be sent to the RPM. The ED noted that EBMUD's EPA grant proposal could be covered during Ben Horenstein's presentation or during the ED introductory presentation. A suggestion was made to develop another symposium in the future to explore efforts that are taking place around country and issues surrounding trading.

For item **14.b** the ED reported that discussions concerning the **Nutrients Governance Structure** continued at the August 20th Joint meeting. There was concurrence on the significance of the Steering Committee and the importance of getting it started, as the current structure consists of quarterly meetings of the Science Advisory Group (SAG). During a conference call last week, led by facilitator, David Ceppos, it was agreed that the meetings would start in mid-October though the group would not be formally named as the Steering Committee until other stakeholders were added which is envisioned to be towards the end of the calendar year. David Ceppos will be interviewing potential members and then make a recommendation to the Water Board and BACWA about potential Steering Committee members. He will also assist with the development of a charter once the group has been formed. The ED noted that BACWA will need to decide who to name as their representative or representatives. The Board agreed that the ED and Mike Connor will serve as interim Steering Committee representatives on behalf of BACWA and permanent representatives will be determined once the structure is finalized. The Board suggests considering how the structure could allow for other knowledgeable individuals, for instance Jim Kelly, to participate.

A summary of the results from the **Nutrient Watershed Permit Member Survey** was included in the handout packet for **agenda item 14.c.i**. The results were also presented at the last Permits Committee meeting. A primary concern voiced by BACWA members related to possible caps in the first five-year permit term. The Water Board will be meeting with representatives from the US EPA next week to discuss this issue as well as the other proposed tenets. As requested by the Board the AED and RPM will work together send invitations for the Nutrients Technology Symposium David Smith and Terri Fleming of the USEPA, as well as Rick Rasmussen from the State Board

Formation of BACWA's Watershed Permit Negotiating Team, agenda item 14.c.ii was also discussed. The ED explained that an e-mail was sent to each subembayment group requesting that they determine representation for their group to participate on the Negotiation Team. The Water Board has suggested that they would like an introductory meeting with the entire team. The ED will work with member agencies to confirm representatives by the beginning of September.

A discussion about **Pardee planning** was led by the Executive Director under **agenda item 15**. The Board provided feedback on the draft agenda that was included in the packet and a suggestion was made to move all Nutrients discussion items to Thursday. The ED requested that further suggestions should be e-mailed to him. He also noted that Bruce Wolfe would not be able to attend and a suggestion was made to investigate scheduling full day meeting prior to the Pardee meeting with Water Board staff at Orinda or if the timing did not work for that approach, schedule a follow-up one day meeting at a local venue.

Under **agenda item 16**, the Board was notified that the date for the **BACWA Annual Member meeting** has been changed to **January 30, 2014**. Reservations have been made at the California Endowment in Oakland, though the Board would like the AED to investigate alternate meeting venues.

Agenda item 17, CASA Highlights and BACWA Nexus was covered under previous agenda items, including Executive Board and Executive Director Reports.

The next monthly BACWA Board meeting is scheduled for, **September 26, 2013** at the EBMUD Treatment Plant Lab Library.

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

September 18, 2013

MEMO TO: Bay Area Clean Water Agencies Executive Board *DSK*
MEMO FROM: D. Scott Klein, Controller, East Bay Municipal Utility District
SUBJECT: One 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, 2013 through July 31, 2013** (one month of Fiscal Year 2013-2014). 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 07/31/13

DESCRIPTION	BEGINNING FUND BALANCE 07/1/13	TOTAL RECEIPTS	TOTAL DISBURSEMENTS	ENDING FUND BALANCE 07/31/13	OUTSTANDING ENCUMBRANCES	UNOBLIGATED FUND BALANCE 07/31/13
BACWA	669,142	(8,959)	12,894	647,289	497,536	149,753
TRNG FND	248,247	156	-	248,403	-	248,403
AIR	12,894	17	-	12,912	14,566	(1,655)
BAPPG	51,748	37	-	51,785	6,586	45,200
LEGAL RSRV	303,928	191	-	304,119	-	304,119
WQA CBC	369,481	10,233	15,000	364,714	935,888	(571,174)
BACWAOPRES	152,925	96	-	153,021	-	153,021
RWR	16,733	10	-	16,743	-	16,743
RESERVE	120,000	-	-	120,000	-	120,000
WOT	48,062	26	-	48,088	-	48,088
PRP84	59,109	945,488	882,090	122,507	20,190	102,317
WQA EMERG	405,238	254	-	405,492	-	405,492
TECHACTION	253,274	159	-	253,432	-	253,432
CBC OPRSRV	164,121	103	-	164,224	-	164,224
PRP50	157,852	109	1,680	156,281	26,872	129,410
	<u>3,032,754</u>	<u>947,921</u>	<u>911,665</u>	<u>3,069,010</u>	<u>1,501,637</u>	<u>1,567,373</u>

BACWA Revenue Report for July 2013

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	-	-	-	-	-	-	-	450,000
Bay Area Clean Water Agencies	BDO Other Receipts	-	-	-	(9,987)	-	-	(9,987)	(9,987)	9,987
Bay Area Clean Water Agencies	BDO Fund Transfers	10,675	-	-	488	-	-	488	488	10,187
Bay Area Clean Water Agencies	BDO Interest Income	3,000	-	-	540	-	-	540	540	2,460
Bay Area Clean Water Agencies	BDO Assoc.&Affiliate Contr	159,000	-	-	-	-	-	-	-	159,000
BACWA TOTAL		622,675	-	-	(8,959)	-	-	(8,959)	(8,959)	631,634
BACWA Training Fund	BDO Interest Income	-	-	-	156	-	-	156	156	(156)
TRNG FND TOTAL		-	-	-	156	-	-	156	156	(156)
AIR-Air Issues&Regulation Grp	BDO Member Contributions	78,340	-	-	-	-	-	-	-	78,340
AIR-Air Issues&Regulation Grp	BDO Interest Income	-	-	-	17	-	-	17	17	(17)
AIR TOTAL		78,340	-	-	17	-	-	17	17	78,323
BAPPG-BayAreaPollutnPreventGrp	BDO Member Contributions	80,000	-	-	-	-	-	-	-	80,000
BAPPG-BayAreaPollutnPreventGrp	BDO Interest Income	-	-	-	37	-	-	37	37	(37)
BAPPG TOTAL		80,000	-	-	37	-	-	37	37	79,963
BACWA Legal Reserve Fnd	BDO Interest Income	-	-	-	191	-	-	191	191	(191)
LEGAL RSRV TOTAL		-	-	-	191	-	-	191	191	(191)
WQA-WtrQualityAttainmntStratgy	BDO Member Contributions	675,000	-	-	-	-	-	-	-	675,000
WQA-WtrQualityAttainmntStratgy	BDO Other Receipts	-	-	-	9,987	-	-	9,987	9,987	(9,987)
WQA-WtrQualityAttainmntStratgy	BDO Interest Income	1,000	-	-	245	-	-	245	245	755
WQA CBC TOTAL		676,000	-	-	10,233	-	-	10,233	10,233	665,767
BACWA OperatingRsrve Fnd	BDO Interest Income	-	-	-	96	-	-	96	96	(96)
BACWAOPRES TOTAL		-	-	-	96	-	-	96	96	(96)

BACWA Revenue Report for July 2013

DEPARTMENT	REVENUE TYPE	AMENDED BUDGET	CURRENT PERIOD			YEAR TO DATE				UNOBLIGATED
			DIRECT	INVOICED	JVS	DIRECT	INVOICED	JVS	ACTUAL	
Regional Water Recycling	BDO Interest Income	-	-	-	10	-	-	10	10	(10)
RWR TOTAL		-	-	-	10	-	-	10	10	(10)
WOT - Wtr/Wwtr Operat Training	BDO Member Contributions	160,500	-	-	-	-	-	-	-	160,500
WOT - Wtr/Wwtr Operat Training	BDO Interest Income	-	-	-	26	-	-	26	26	(26)
WOT TOTAL		160,500	-	-	26	-	-	26	26	160,474
Prop84BayAreaIntegRegnlWtrMgmt	BDO Fund Transfers	-	-	-	(488)	-	-	(488)	(488)	488
Prop84BayAreaIntegRegnlWtrMgmt	BDO Interest Income	-	-	-	303	-	-	303	303	(303)
Prop84BayAreaIntegRegnlWtrMgmt	Administrative Support	-	-	75,885	-	-	75,885	-	75,885	(75,885)
Prop84BayAreaIntegRegnlWtrMgmt	Water Efficient Landscape Reba	-	-	712,881	-	-	712,881	-	712,881	(712,881)
Prop84BayAreaIntegRegnlWtrMgmt	Regional Green Infrastructure	-	-	37,449	22,928	-	37,449	22,928	60,378	(60,378)
Prop84BayAreaIntegRegnlWtrMgmt	WQ Improve Flood Mgmt & EP	-	-	119,459	(57,716)	-	119,459	(57,716)	61,742	(61,742)
Prop84BayAreaIntegRegnlWtrMgmt	Watershed Partnership TA	-	-	-	24,873	-	-	24,873	24,873	(24,873)
Prop84BayAreaIntegRegnlWtrMgmt	Watershed Program Admnstrtn	-	-	-	9,915	-	-	9,915	9,915	(9,915)
PRP84 TOTAL		-	-	945,674	(185)	-	945,674	(185)	945,488	(945,488)
WQA Emergency Resrve Fnd	BDO Interest Income	-	-	-	254	-	-	254	254	(254)
WQA EMERG TOTAL		-	-	-	254	-	-	254	254	(254)
WQA Tech Action Fund	BDO Interest Income	-	-	-	159	-	-	159	159	(159)
TECHACTION TOTAL		-	-	-	159	-	-	159	159	(159)
CBC Operating Resrve Fnd	BDO Interest Income	-	-	-	103	-	-	103	103	(103)
CBC OPRSRV TOTAL		-	-	-	103	-	-	103	103	(103)
Prop50BayAreaIntegRegnlWtrMgmt	BDO Interest Income	-	-	-	109	-	-	109	109	(109)
PRP50 TOTAL		-	-	-	109	-	-	109	109	(109)

BACWA Expense Report for July 2013

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	26,000	25,000	-	-	-	25,000	-	-	-	25,000	1,000
Bay Area Clean Water Agencies	BC-Water Recycling Committee	41,552	12,536	-	-	-	12,536	-	-	-	12,536	29,016
Bay Area Clean Water Agencies	BC-Biosolids Committee	5,000	500	-	-	-	500	-	-	-	500	4,500
Bay Area Clean Water Agencies	BC-InfoShare Groups	25,000	38,175	-	-	-	38,175	-	-	-	38,175	(13,175)
Bay Area Clean Water Agencies	BC-Laboratory Committee	5,000	-	-	-	-	-	-	-	-	-	5,000
Bay Area Clean Water Agencies	BC-Miscellaneous Committee Sup	106,368	77,221	-	-	-	77,221	-	-	-	77,221	29,147
Bay Area Clean Water Agencies	LS-Regulatory Support	2,000	3,968	-	-	-	3,968	-	-	-	3,968	(1,968)
Bay Area Clean Water Agencies	LS-Executive Board Support	2,000	3,470	-	-	-	3,470	-	-	-	3,470	(1,470)
Bay Area Clean Water Agencies	CAS-CPSC	5,000	-	-	5,000	-	-	-	5,000	-	5,000	-
Bay Area Clean Water Agencies	CAS-PSI	500	-	-	-	-	-	-	-	-	-	500
Bay Area Clean Water Agencies	CAR-BACWA Annual Report	5,000	15,433	-	-	-	15,433	-	-	-	15,433	(10,433)
Bay Area Clean Water Agencies	CAR-BACWA Website Development/	7,820	5,835	-	-	-	5,835	-	-	-	5,835	1,986
Bay Area Clean Water Agencies	AS-BACWA Admin Expense	3,000	-	-	196	-	-	-	196	-	196	2,804
Bay Area Clean Water Agencies	CAR-Other Communications	5,199	1,343	-	-	-	1,343	-	-	-	1,343	3,856
Bay Area Clean Water Agencies	SP-BAPPG Contribution	50,000	-	-	-	-	-	-	-	-	-	50,000
Bay Area Clean Water Agencies	GBS-Contingency	31,100	946	-	-	-	946	-	-	-	946	30,154
Bay Area Clean Water Agencies	GBS- Meeting Support	13,000	255	-	100	(100)	255	-	100	(100)	255	12,745
Bay Area Clean Water Agencies	AS-Executive Director	175,000	218,655	14,583	-	-	218,655	14,583	-	-	233,238	(58,238)
Bay Area Clean Water Agencies	AS-Assistant Executive Directo	75,000	73,590	-	-	-	73,590	-	-	-	73,590	1,410
Bay Area Clean Water Agencies	AS-EBMUD Administrative Servic	40,000	20,610	-	-	(6,885)	20,610	-	-	(6,885)	13,725	26,275
Bay Area Clean Water Agencies	AS-Insurance	4,000	-	-	-	-	-	-	-	-	-	4,000
Bay Area Clean Water Agencies	BDO-CAS-Stanford ERC	10,000	-	-	-	-	-	-	-	-	-	10,000
Bay Area Clean Water Agencies	CAS-Arleen Navaret Award	1,000	-	-	-	-	-	-	-	-	-	1,000
Bay Area Clean Water Agencies	CAS-FWQC	5,000	-	-	-	-	-	-	-	-	-	5,000
BACWA TOTAL		643,539	497,536	14,583	5,296	(6,985)	497,536	14,583	5,296	(6,985)	510,430	133,109
AIR-Air Issues&Regulation Grp	Administrative Support	3,900	-	-	-	-	-	-	-	-	-	3,900
AIR-Air Issues&Regulation Grp	BDO Contract Expenses	74,440	14,566	21,700	-	(21,700)	14,566	21,700	-	(21,700)	14,566	59,874
AIR TOTAL		78,340	14,566	21,700	-	(21,700)	14,566	21,700	-	(21,700)	14,566	63,774
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Fog	17,000	-	-	-	-	-	-	-	-	-	17,000
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Mercury	2,500	-	-	-	-	-	-	-	-	-	2,500
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Pesticides	10,000	-	-	-	-	-	-	-	-	-	10,000
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Pharmaceutical	9,998	-	-	-	-	-	-	-	-	-	9,998
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-General P2	1,500	-	-	-	-	-	-	-	-	-	1,500
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Emerging Issues	14,000	-	-	-	(3,028)	-	-	-	(3,028)	(3,028)	17,028
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Other	11,500	6,538	-	3,028	-	6,538	-	3,028	-	9,566	1,934
BAPPG-BayAreaPollutnPreventGrp	Administrative Support	4,275	-	-	-	-	-	-	-	-	-	4,275
BAPPG-BayAreaPollutnPreventGrp	BAPPG-CE-Multi-Pollutant	19,000	48	-	-	-	48	-	-	-	48	18,952
BAPPG TOTAL		89,773	6,586	-	3,028	(3,028)	6,586	-	3,028	(3,028)	6,586	83,187
WQA-WtrQualityAttainmntStratgy	WQA-CE-Technical Support	896,902	879,889	-	-	-	879,889	-	-	-	879,889	17,013
WQA-WtrQualityAttainmntStratgy	WQA-CE-Collaborations & Sponso	30,000	-	-	15,000	-	-	-	15,000	-	15,000	15,000
WQA-WtrQualityAttainmntStratgy	WQA-CE-Commun. & Reporting	6,000	2,861	-	-	-	2,861	-	-	-	2,861	3,140
WQA-WtrQualityAttainmntStratgy	WQA-CE-Other	33,800	53,138	-	-	-	53,138	-	-	-	53,138	(19,338)
WQA CBC TOTAL		966,702	935,888	-	15,000	-	935,888	-	15,000	-	950,888	15,814

BACWA Expense Report for July 2013

DEPARTMENT	EXPENSE TYPE	AMENDED BUDGET	CURRENT PERIOD				YEAR TO DATE				OBLIGATED	UNOBLIGATED
			ENC	PV	DA	JV	ENC	PV	DA	JV		
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	-	8,233	-	2,806	-	8,233	-	2,806	-	11,038	(11,038)
Prop84BayAreaIntegRegnlWtrMgmt	BDO Contract Expenses	-	11,957	9,496	-	-	11,957	9,496	-	-	21,453	(21,453)
Prop84BayAreaIntegRegnlWtrMgmt	Regional Green Infrastructure	-	-	-	37,449	-	-	-	37,449	-	37,449	(37,449)
Prop84BayAreaIntegRegnlWtrMgmt	WQ Improve Flood Mgmt & EP	-	-	-	-	(197,743)	-	-	-	(197,743)	(197,743)	197,743
Prop84BayAreaIntegRegnlWtrMgmt	Water Efficient LRP	-	-	-	145,787	-	-	-	145,787	-	145,787	(145,787)
Prop84BayAreaIntegRegnlWtrMgmt	Bay Friendly Landscape TP	-	-	-	6,349	-	-	-	6,349	-	6,349	(6,349)
Prop84BayAreaIntegRegnlWtrMgmt	Weather Based Irrigation Cntrl	-	-	-	54,136	-	-	-	54,136	-	54,136	(54,136)
Prop84BayAreaIntegRegnlWtrMgmt	High Efficiency Toilet & UI	-	-	-	456,363	-	-	-	456,363	-	456,363	(456,363)
Prop84BayAreaIntegRegnlWtrMgmt	Napa Co. Rainwater HP	-	-	-	12,977	-	-	-	12,977	-	12,977	(12,977)
Prop84BayAreaIntegRegnlWtrMgmt	Conservation Program Admin	-	-	-	37,269	-	-	-	37,269	-	37,269	(37,269)
Prop84BayAreaIntegRegnlWtrMgmt	Watershed Partnership TA	-	-	-	42,170	36,290	-	-	42,170	36,290	78,460	(78,460)
Prop84BayAreaIntegRegnlWtrMgmt	Stream Restoration in North BD	-	-	-	30,250	149,491	-	-	30,250	149,491	179,741	(179,741)
Prop84BayAreaIntegRegnlWtrMgmt	Flood Infrastructure Mapping T	-	-	-	3,864	2,047	-	-	3,864	2,047	5,911	(5,911)
Prop84BayAreaIntegRegnlWtrMgmt	Stormwater Improvements & PBP	-	-	-	4,418	-	-	-	4,418	-	4,418	(4,418)
Prop84BayAreaIntegRegnlWtrMgmt	SF Estuary Steelhead MP	-	-	-	24,558	-	-	-	24,558	-	24,558	(24,558)
Prop84BayAreaIntegRegnlWtrMgmt	Watershed Program Admnstrtn	-	-	-	14,199	9,915	-	-	14,199	9,915	24,115	(24,115)
PRP84 TOTAL		-	20,190	9,496	872,595	-	20,190	9,496	872,595	-	902,280	(902,280)
Prop50BayAreaIntegRegnlWtrMgmt	Administrative Support	-	1,774	-	-	(7,322)	1,774	-	-	(7,322)	(5,548)	5,548
Prop50BayAreaIntegRegnlWtrMgmt	BDO Contract Expenses	-	25,098	1,680	-	-	25,098	1,680	-	-	26,778	(26,778)
Prop50BayAreaIntegRegnlWtrMgmt	EBMUD Ca. Waterstar Initiative	-	-	-	7,322	-	-	-	7,322	-	7,322	(7,322)
Prop50BayAreaIntegRegnlWtrMgmt	EBMUD Richmond RWP	-	-	-	8,448	(8,448)	-	-	8,448	(8,448)	-	-
Prop50BayAreaIntegRegnlWtrMgmt	Mt. View-Moffat RWP	-	-	-	5,561	(5,561)	-	-	5,561	(5,561)	-	-
PRP50 TOTAL		-	26,872	1,680	21,331	(21,331)	26,872	1,680	21,331	(21,331)	28,552	(28,552)

AIR Committee –
Report to BACWA Board

AIR Committee Meeting on: 9/18/13
Executive Board Meeting Date: 9/26/13
Committee Co-Chairs: Nohemy Revilla and Randy Schmidt

Committee Request for Board Action: None

14 attendees, including 4 on the phone; 6 BACWA member agencies represented

Presentation Slides by CH2MHill are available on the web:

<https://bacwa.box.com/s/oidmzl6atxxo0f6cd3ue>

Tour of Santa Rosa Water Reclamation Facility

- Attendees toured the compost facility's lava rock odor biofilter beds, which replaced previous wood chip biofilters to eliminate clogging of the biofilter's air exchange system by wood particles that accumulated as the wood chips broke down over time. The lava rocks have been successful at removing odors once a biological community is established (with a startup time of approximately one month) as long as they're kept moist.
- Group toured the digester gas filters which pretreat the gas that is used in the cogeneration facility. The group also saw the new cogen engines, which were put in with grant funding.
- Martin St. George discussed how a big energy demand for the plant is pumping the effluent to a geothermal power plant near Geyserville. The power plant produces many times the energy required for the pumping, however, the City does not get renewable energy credit because of how the boundaries are drawn around projects.

BAAQMD Backlog

- Badaoui Mouderrres/SJ-SC led a discussion about BAAQMD's permitting backlog. Agencies report delays of over two years for Title V permits/change of permit conditions. Agencies report relatively short waits of a few months for permitting new equipment. A San Jose council member who serves as the chair of the BAAQMD inquired with BAAQMD staff about the delay and the Director of Engineering responded back to the city that the District does not have a backlog.
- Badaoui will provide a survey to BACWA AIR Members to collect information related to recent BAAQMD permitting experiences (timeline for getting permits approved, agency interaction during the process, etc.). Lorien Fono will distribute the survey to the wider BACWA community.

Biogenic Emissions Reporting (see slide 28)

- There was a discussion that if biogenic emissions are not excluded for ongoing reporting to the EPA, then some agencies, such as Central San, will be over the reporting threshold. NACWA is leading an effort to work with EPA to allow biogenic emissions a permanent exemption.

Proposals for meetings in coming year

- AIR Committee will continue to meet six times per year – aiming for two field trips and two workshops
- Workshop subjects of interest to the groups are engine permitting and grant funding
- One meeting with BAAQMD is targeted for the winter/spring timeframe

Budget

- Approximately \$19,000 of \$74,441 spent for FY14

Next BACWA AIR Committee Meeting: Wednesday, November 20, 2013, location to be determined

Committee Request for Board Action: None

Highlights of New Items Discussed and Action Items

Training for Committee Members on New SSS WDR Monitoring and Reporting Program

At the September 12, 2013 committee meeting, Monica Oakley conducted a training for committee members on the updated Monitoring and Reporting Program (MRP) for the Sanitary Sewer System (SSS) Waste Discharge Requirements (WDR). In particular, she compared the old version with the new one to highlight the changes, and discussed the background leading up to the final version (as an aid in interpreting vague language), and discussed nuances related to the requirements. A copy of the presentation can be found on the BACWA website at this direct link:<http://bacwa.org/Portals/0/Committees/CollectionSystems/Library/2013%20BACWA%20CSC%20Revised%20MRP%209-12-13A.pdf> . An alternate way to get there would be to go to this link: <http://bacwa.org/committees/collection-systems/documents> and the PowerPoint presentation is at the top of the documents list right now (as the newest). The presentation has been provided to committee members in electronic format, for their use in training their staff and Board members, as desired. Collection Systems Committee members have also been encouraged to update their SSMPs to incorporate the new MRP requirements.

State Water Board Inspectors to Interview Collection System Workers

The BACWA Collection Systems Committee has obtained a list of questions that State Water Board staff intend to use to interview collection system workers as part of their inspections. State Water Board staff want to check on the knowledge of staff at all levels, and check on approach and consistency related to reporting of sanitary sewer overflows. For example, in one inspection recently, an inspector asked a collection system worker, who's name was on a form with information about a sanitary sewer overflow, to recount what happened for that incident. Luckily the employee was very professional about the exchange and it worked out well. But the committee is sharing this information to aid in making sure there is more widespread preparation for these kinds of encounters.

The list of State Water Board questions for collection systems staff is attached to this report. In addition, Lenny Rather of the Oro Loma Sanitary District edited this list of questions slightly to make it more appropriate for use as an informal survey of his staff, so he can see where the holes in knowledge are, and then he can provide training to fill in the knowledge gaps. Lenny discussed his list with the committee and it is attached to this report. Both PDF and Word versions have been made available to committee members for their use.

Update on New Mobile App for SSO Reporting

The California Sanitation Risk Management Authority (CSRMA) has expressed interest in taking on the development of a mobile application (app) for documenting an SSO response. The concept for a mobile app was originally developed by the Union Sanitary District. Details are being worked out for implementation, and agencies are being sought to try out a beta version. The mobile app is currently anticipated to be ready for use in early 2014.

Next Collection System Committee Meeting

Our next committee meeting will be held on Thursday, October 3, 2013 from 1:30 – 3:00 PM, at the Boy Scouts facility in San Leandro.

Recommended Questions to ask Collections Workers in Interviews

Introductions

1. Thank them for being with us here today; and 2) Describe WHO WE ARE AND WHAT WE DO; give them card.

READ INTRODUCTORY STATEMENT FIRST

"The purpose of our short interview today is to ask you a few questions to help us better understand your SSO prevention, mitigation and response activities, including evaluating your Overflow Emergency Response Plan (OERP).

We have about 10 questions for you and we're asking everyone we talk to today the same list of questions. You may already know that we have spent considerable amount of time talking about your SSO response activities with management the past few days during our site visit."

Questions to Ask

1. "For starters, please briefly describe your name and job title."
2. "Please describe for us approximately when you started in this field and how long you have worked for the City of San Jose?"
3. "Please expand on your current position duties and role in responding in the field to any SSO complaints?"
4. "Please describe your SOPs used to respond/mitigate SSOs when they occur?"
5. Describe any training you get or the city sends you to for conducting estimates?"
6. We are interested in learning more from how about how your historical SSO response activities have worked in the field." We understand from discussions with management earlier that you use the OERP from the SSMP. Please elaborate on how you use the procedures in the plan.
7. Historically, before any recent changes, can you please walk us through how you would typically receive and respond to any SSO complaints in the field?"
8. "Can you tell us who is responsible for estimating SSO volumes discharged? If it is you, please describe for us how you go about estimating the SSO volume that you record on the work order/service request forms?"
9. "What other information do you collect or record other than what is written on the work order form?"
10. "Describe if and when you ever talk with people that call in SSOs (either onsite or via telephone) to further check out when the SSO might have occurred based on what they or others know? If you do this, can you tell us where this information is recorded?"
11. "We understand you may be instructed to take pictures of some sewer spills/backups into structures. Other than these SSOs, when else would you typically take any pictures of an SSO?"
12. "Please walk us through anything else you'd like to add to help us better understand how your field crews respond and mitigate SSO complaints?"
13. "THANK YOU FOR YOUR TIME TO TALK WITH US TODAY". In case we'd like to contact you for any more questions, may we get your contact number? In case you'd like to get in touch with us to add more, could we have your contact information?"



Collection System Worker Training Sanitary Sewer Overflow Response Questionnaire

Recommended Questions to ask Collections Workers in Interviews

INTRODUCTORY STATEMENT

"The purpose of this short interview is to be prepared for those questions that will be asked to help the SWRCB better understand your SSO prevention, mitigation and response activities, including evaluating OLSD's Overflow Emergency Response Plan (OERP).

There may be about 10 questions for you that are asked of everyone they talk to, all are asked the same list of questions. You may already know that they will have spent considerable amount of time talking about our SSO response activities with management the past few days during their site visit."

Questions to Answer

1. "For starters, please briefly describe your name and job title." _____
2. "Please describe for us approximately when you started in this field and how long you have worked for the Oro Loma Sanitary District?" _____
3. "Please expand on your current position duties and role in responding in the field to any SSO complaints?"

4. "Please describe your SOPs used to respond/mitigate SSOs when they occur?"

5. Describe any training you get or the District sends you to for conducting estimates?

6. We are interested in learning more about how your historical SSO response activities have worked in the field." We understand from discussions with management earlier that you use the OERP from the SSMP. Please elaborate on how you use the procedures in the plan.

7. Historically, before any recent changes, can you please walk us through how you would typically receive and respond to any SSO complaints in the field?"

8. "Can you tell us who is responsible for estimating SSO volumes discharged? If it is you, please describe for us how you go about estimating the SSO volume that you record on the work order/service request forms?"

9. "What other information do you collect or record other than what is written on the work order form?"

10. "Describe if and when you ever talk with people that call in SSOs (either onsite or via telephone) to further check out when the SSO might have occurred based on what they or others know? If you do this, can you tell us where this information is recorded?"

11. "We understand you may be instructed to take pictures of some sewer spills/backups into structures. Other than these SSOs, when else would you typically take any pictures of an SSO?"

12. "Please walk us through anything else you'd like to add to help us better understand how your field crews respond and mitigate SSO complaints?"

13. "THANK YOU FOR YOUR TIME TO TALK WITH US TODAY". In case we'd like to contact you for any more questions, may we get your contact number? In case you'd like to get in touch with us to add more, could we have your contact information?"

Committee Request for Board Action: None.

**34 attendees representing 19 BACWA member agencies;
Regional Water Board Staff Lila Tang and Robert Schlipf in attendance**

Adoption of Permits/Permit Amendments:

September: None for BACWA members

October: Port Costa – Same format and new language as San Francisco. Lila reported that they will drop the language about provisions from previous permits continuing to apply in the event of a stay.

November: None for BACWA members

Update from Regional Water Board Staff:

- Claudia Villacourta recently returned from Maternity leave and will be working on the SSO program.

Report out from 7/25/13 BACWA Board meeting

- Tim Potter updated the group on some issues raised at the Executive Board meeting:
 - BACWA's support of Solano County Community College's wastewater operator training with future effort to formalize the agreement with the agencies funding this project to minimize BACWA exposure to risks.
 - Sarah Deslauriers, CWCCG rep, gave a presentation on greenhouse gas regulations which is available [here](#).
 - Dave Williams is putting together the agenda for the annual Pardee retreat.
- Nutrient issues were covered later in the agenda
- Joint BACWA/RWQCB meeting focused on nutrients with a few exceptions that were summarized

Nutrients:

- *Formation of watershed permit negotiating team:* The permit negotiating team has been set:
 - Suisun Bay: Curt Swanson (CCCSD), Greg Baatrup (FSSD), and Amanda Roa (DDSD)
 - San Pablo Bay: Beverly James (Novato) and Lean Cox (Petaluma)
 - Central Bay: Steve Linsley (WCA), Ben Horenstein (EBMUD), Laura Pagano (SFPUC), Omar Arias or Liz Falejczyk (SMCD)
 - South Bay: Mike Connor (EBDA), Dan Child (SBSA)
 - Lower South Bay: Jim Ervin (SJ/SC) and Bhavani Yerrapotu (Sunnyvale)

The first internal meeting will be some time in September. Lila would like to fit in two meetings in October.

- *Discussion of Watershed Permit Elements:* Lila led the discussion on this item. The Regional Water Board (RWB) staff is aiming for at least an admin draft by the first of the year. The reason that the RWB is interested in pursuing the watershed permit is because the Hg/PCB watershed permit was successful by leveling the playing field for all dischargers regardless of where they are in their permit cycle (evolving standards permit to permit) and is less work on everyone's part than the permit-by-permit approach. The permit is needed to prevent a problem in the Bay due to nutrient impacts, and to address comments from the water contractors and Baykeeper. It also gives the region time to focus on the issue itself rather than fighting over every permit. Laura Pagano wanted to make sure that the capital improvement-intensive nature of the potential solutions informed the dialog as we go forward. The permit elements are:
 - (1) Hold the nutrient load to where it is now. The RWB would like numeric action levels rather than enforceable limits but they don't yet know whether that will be acceptable to the EPA. If limits are required, they will be aggregate rather than individual. Either way, an exceedence would trigger a followup investigation to see whether the causes of the increase are controllable.
 - (2) Continued monitoring – They are open to changing the parameters from the 13267 letter requirements although they probably won't make any changes to the current 13267 monitoring elements before the permit is adopted.
 - (3) Support studies – These will be overseen by the governance structure. The language about studies in the permit will be purposefully vague to allow maximum flexibility.
 - (4) Evaluation of treatment alternatives – This effort needs to be done before the science is fully understood, since if the science shows there's a problem, the RWB wants dischargers ready to implement appropriate responses. It may be more cost effective for one plant to fully nitrify compared to many plants partially nitrifying. Karin North suggested that BACWA could use one consultant to bring together existing facilities plans.

There was significant discussion about antibacksliding under numeric action levels vs. enforceable limits. It would be easier to remove or increase the action levels compared to limits if the science showed the Bay wasn't impaired. Lila pointed out that an exception to antibacksliding is if the cause is not controllable. Many agencies are seeing loads going up, so is population/economic growth considered controllable? Also, seasonal reductions in nutrient removal are not controllable. Lila noted that the exception for new information is limited in its application.

- *Update on Governance Structure:* Dave Ceppos, the facilitator, is continuing to do interviews to inform the final governance structure. In the meantime, BACWA and the Water Board will form a pseudo steering committee so that decisions can move forward (first meeting Oct 10). Dave Williams and Mike Connor will be the BACWA representatives. Meeting frequency is not yet determined, but will likely be more frequent initially while infrastructure such as the charter are being worked out.
- *Nutrient Technology Symposium* – [Save the date](#) notice has been sent out. There are more spaces available. Please RSVP to Lorien Fono.
- *EPA final freshwater ammonia criteria* – EPA recently published its final recommendation for freshwater ammonia criteria. The recommended chronic criteria are much lower than the current basin plan objective, and agencies with little dilution may have trouble meeting it. Lila Tang stated that incorporating the criteria into the Basin Plan isn't a priority right now, and she believes that it would only pertain to freshwater dischargers, and not also estuarine dischargers.
- *13267 data* – Jim Ervin put together spreadsheets on per capita loading ([here](#)) and maps of flow and nutrient loads ([here](#)) that were handed and discussed out at the meeting.

State Toxicity Plan

- Tim Potter reviewed the closed session POTW stakeholder meeting that was hosted by the State Water Board to go over proposed revisions to the Toxicity Plan. Many positive changes have been made as summarized in the Fact Sheet prepared by the State Water Board.
- State Water Board staff will meet with Ag/stormwater, Regulatory (EPA, RWQCB) and NGO stakeholder groups
- The soonest the next draft will come out is October 2013 (timeline already adjusted to November 2013)
- BACWA weighed in supporting making both the MDEL and the MMEL into numeric action levels instead of limits. Also the RPA methodology is flawed.
- There was discussion of a monitoring off-ramp for agencies with good toxicity records.
- BACWA representatives will meet again with State Water Board staff on 9/17 to discuss the above issues, as well as IWC and acute toxicity. BACWA will also submit a comment letter in advance of the next published draft Plan.

Informational Items/Announcements

- Energy and Water Nexus Summit 2 on 9/12 in San Francisco.
- State of the Estuary Conference on 10/29-30 in Oakland.
- *Statewide Pyrethroids Survey* – Tri TAC hosted a special meeting showing survey results. Pyrethroids are ubiquitous in effluent and biosolids throughout the state, often at concentrations above UC Davis-developed toxicity thresholds. P2 groups will work with EPA, DPR and pesticides manufacturers to prevent pyrethroids from being used in a manner where they are discharged to the sewer.
- *Update of CEC Pilot Monitoring Study* - State Water Board has reconvened the Blue Ribbon Panel to implement CECs in Ecosystems recommendations. Tom Mumley is the Regional Water Board representative and Phil Friess is the POTW representative in this effort. It is possible that POTW monitoring will be requested, but overall, Region 2's RMP program dovetails well with state recommendations. Lorien Fono will continue to work with Phil to make sure Bay Area interests are heard during this process.
- *Water Quality Standards Regulatory Clarifications Proposed Rule* – There may be some changes to CWA regulations such as variances and antidegradation.
- *Update on NPDES Electronic Reporting Proposed Rule* – EPA Proposed Rulemaking will make electronic reporting to the EPA mandatory for all reports. Hopefully CIWQS will be CROMERR certified for major and minor dischargers by the time the rule comes into effect, and will be able to interface seamlessly with the EPA system through eSMR2.5. Biosolids and pretreatment reporting will also be required electronically, which are not currently supported by CIWQS statewide. Tri-TAC will comment, and BACWA members can participate in their workgroup (deadline 10/18) – those interested should contact [Molly Ranes](#).
- The ad hoc pretreatment group's next meeting in October will have speakers from EPA (Amelia Whitson-program, and Jim Polek-enforcement).
- BAPPG is prioritizing issues for the next year and is seeking input from member agencies

Next BACWA Permits Committee Meeting: Tuesday, October 8th, 2013, at EBMUD Plant Library.

Recycled Water Committee –
Report to BACWA Board

Recycled Water Committee Meeting on: 9/4/13
Executive Board Meeting Date: 9/26/13
Committee Chair: Cheryl Muñoz

Committee Request for Board Action: None.

10 attendees representing 5 BACWA member agencies

Meeting minutes are posted [online](#).

Round 3 Prop 84 Updates

The screening criteria and selection process for Round 3 will be similar to Round 2. If an agency is serious about getting funding, they should start getting proposals ready. They should look on the IRWMP website for other projects that they could merge with since integrated project proposals are stronger and will rank higher. Coordinating Committee (CC) meetings are open attendance and participate is a good way to keep current on the Round 3 process. Next CC meeting Sept. 23 with a presentation of DWR's California Water Plan, and website training for selected CC members.

BAIRWMP Updates

All of the chapters have been completed and turned in. Cheryl Munoz is working with a group from the CC to improve the Executive Summary in response to BACWA Recycled Water Committee comments. The document is going before CC for approval on September 23. It is then submitted to DWR does not expect to review the update until early 2014. Revision will be made based on DWR comments. Kennedy Jenks doesn't have funding to do any updates. Who will make updates is yet to be determined. Individual agencies to adopt after DWR's review.

Legislation Updates – See meeting minutes

Recycled Water Landscape Guide

Recycled Water Landscape Guide is out for review. The guide is long and detailed, comprehensive and scientifically based. It is not a quick, easy to use guide, but could be use to create one. It is good as a detailed reference – like a text book. When reviewing agencies need to make sure it's relevant to their physical area.

Salt/Nutrient Management Plan Template

Sonoma Valley County Sanitation District put together a salt/nutrient management plan guidance document that may be adopted by individual agencies as part of the BAIRWMP. This document may satisfy the SWRCB Recycled Water Policy requirement for every basin to prepare a salt/nutrient management plan. However, the Regional Water Board wasn't sure about the template concept, and about what kind of documentation would be required. Next steps are to put together a plan of action to discuss. Vince Christian will get back to the committee on what is discussed at a State Water Board water recycling and what Dyan White has to say.

Next BACWA Recycled Water Committee Meeting: October 2, 2013, from 10:00 am to 12:00 pm, 2nd Floor Small Training Room at EBMUD Headquarters.

NUTRIENTS: Completed a variety of tasks and activities associated with BACWA's interests on nutrients and collaborating with the Water Board including:

- Coordinated with Naomi Feger and David Ceppos to set the agenda for the first Governance Steering Committee meeting in October.
- Continued working with BACWA members and consultants on developing and finalizing a Nutrient Technical Symposium for the BACWA membership
- Participated in a conference call to discuss BACWA member participation in the EBMUD proposal for grant funding of a demonstration project for reducing nutrients at wastewater treatment plants
- Coordinated the formation of the BACWA Watershed Permit Negotiating Team to ensure broad participation on the part of the BACWA membership in negotiating the nutrient watershed permit with the Water Board staff.
- Engaged in discussions with the POTWs in San Pablo Bay subembayment on their participation on the Nutrient Negotiating Team.
- Organized the internal meeting to discussion negotiating strategy and set up the first negotiations meeting with the Water Board.

BACWA BOARD MEETING:

- Worked with the AED in preparing the September monthly BACWA Board agenda including reviewing the agenda with the chair.
- Attended the August monthly meeting, made presentations on key activities and noted action items requiring follow-up.
- Continuing to track all action items to completion.
- Reviewed the draft IRWM presentation planned for the BACWA September Board meeting.
- Continued planning for the Pardee Retreat.
- Developed financial background materials for the August Closed Session discussion on providing support to BACWA.
- Investigated the Water Board's interest in a pre-Pardee Retreat meeting.

ASC/SFEI:

- Attended the quarterly ASC/SFEI Board as the chair of ASC and chair of the ASC/SFEI Governance Committee
- Successful in getting the new ASC Bylaws adopted which recognizes the new joint Board of ASC/SFEI
- Elected to the vice chair position on the joint ASC/SFEI Board.

PERMITS COMMITTEE: Worked with the RPM and committee members to revise the comment letter on the State's toxicity Plan.

COLLECTION SYSTEMS COMMITTEE: Attended the monthly Collection System Committee meeting and participated in the discussion on the new reporting requirements.

LAB COMMITTEE: Attended the monthly Lab Committee meeting and briefed them on BACWA initiatives.

RECYCLED WATER COMMITTEE: Arranged for an update to the Board on the IRWM by the committee co-chair for the purpose of discussing the best strategies for obtaining future grant funding.

CASA: Coordinated with the CASA ED on topics on mutual interest (i.e. toxicity, utility leadership committee).

ORGANIZATIONAL EFFORTS:

- Continued preparation for the annual BACWA retreat
- Coordinated with Water Board staff on their attendance at the BACWA Pardee retreat.

ADMISTRATION:

- Signed off on invoices, reviewed correspondence, prepared for upcoming Board meeting, responded to inquiries on BACWA efforts, oversaw updating of web page and provided general direction to BACWA staff.
- Provided written report of avoidance of conflicts of interest associated with previous employment and current elected position.
- Worked with the RPM in the preparation of the monthly BACWA newsletter.
- Received and reviewed proposals for the RPM position for FY 14. Established a rating process for the proposals and prepared a Board Action Request for award of a contract.

MISCELLANEOUS MEETINGS/CALLS:

- David Senn on nutrient issues
- Paul Gilbert Snyder on Prop 50 and Prop 84
- BACWA chair and Committee chairs on items that arose during the month
- Water Board staff on coordinating the nutrient activities
- other misc calls and inquiries regarding BACWA activities

Attachments:

- 1) Status on Action Items from August 29, 2013 BACWA Executive Board Meeting
- 2) BACWA Board Calendar (outline of upcoming meeting agenda items) - BODCAL

Board Calendar thru Dec 2013

As of Monday, September 23, 2013 at 1:42 PM

DATE	ASSIGNMENT	STATUS NOTES
9/26/2013 Monthly Board Mtg Items due: 9/19 Connor; Pagano; Horenstein; Ervin; Swanson Williams; Fono; Gunnell	<u>Consent</u> Previous Board Meeting Minutes (AED) Monthly Treasurer's Report (EBMUD Accounting)	5m 40m
	<u>Reports</u> Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Chair/ED Authorizations (AED)	
	<u>Other Business: Authorizations</u> Annual Audit Report and Financial Statements	
	<u>Other Business: Discussions</u> Pardee Technical Seminar Planning (ED) Arleen Navarret Award – Solicitation and Selection Process (AED) Annual Member Meeting January 2014 (ED) Regulatory Issue Matrix Update Frequency (RPM/ED) FOG White Paper (Yerrapotu/Horenstein) BAPPG Pollutant Prioritization (Karri Ving)	
10/23 – 10/25 Pardee Technical Seminar Items due: 10/16 Connor; Pagano; Horenstein; Ervin; Swanson Williams	<u>Consent</u> NONE	<i>No Board Actions Permitted</i>
	<u>Reports</u> Board Reports (Executive Board) ED Report (ED) RPM Report (RPM)	
	<u>Other Business: Authorizations</u> NONE	<i>No Board Actions Permitted</i>
	<u>Other Business: Discussions</u> Finance - Consideration of restructuring BACWA Special Programs Finance – Reserve Funds Finance – Member Dues Structure Committee Structure and Funding BACWA Policies and Procedures Update <ul style="list-style-type: none"> • Contracting Policy • Consultant Solicitation Process Sewer Rate Survey Enhancements	
11/22/2013 Monthly Board Mtg Items due: 11/15 Connor; Pagano; Horenstein; Ervin; Swanson Williams; Fono; Gunnell	<u>Consent</u> Previous Board Meeting Minutes (AED) Monthly Treasurer's Report (EBMUD Accounting) Annual Audit Report (EBMUD Accounting)	10 m <i>plus previous month (Sept2013)</i> <i>plus previous month (Aug2013)</i>
	<u>Reports</u> Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Chair/ED Authorizations (AED)	40m
	<u>Other Business: Authorizations</u>	

DATE	ASSIGNMENT	STATUS NOTES
	Other Business: Discussions Update from CWCCG (S. Deslauriers) Arleen Navarret Award - Recipient (AED) Annual Member Meeting January 2014 (ED) ReNUWIt Update (B. Horenstein/ M. Connor)	
12/20/2013 Monthly Board Mtg Items due: 12/13 Connor; Pagano; Horenstein; Ervin; Swanson Williams; Fono; Gunnell	Consent Previous Board Meeting Minutes (AED) Monthly Treasurer's Report (EBMUD Accounting) Reports Committee Reports (Committee Chairs) Board Reports (Executive Board) ED Report (ED) RPM Report (RPM) Chair/ED Authorizations (AED) Other Business: Authorizations Other Business: Discussions Annual Member Meeting January 2014 (ED) Budget Planning for 2014-15 Solano Community College Contract Revisions for WOT (ED)	5m 40m

CURRENTLY UNSCHEDULED AND SIGNIFICANT

- Approval of Annual Report FY12 & FY13
- Defining BACWA Priorities/Revisit Strategic Plan
- BACWA Membership Engagement Opportunities
- Tech Seminar/Workshop: CCCSD Cogen explosion, SFPUC force main leak and repair, and BACWA member pilot plants.
- Volumetric Pricing
- Chlorine Residual Analyzer Investigation
- Suggestions for Guest Speakers
- CEC's (Kelly Moran)

UPCOMING UNSCHEDULED FOR 2014

- Finance Committee (Mike Connor / Laura Pagano): BACWA/CBC Budget & Workplan FY 2014-15
- Strategy Development for Triennial Review (Permits Committee/Board)
- Orinda mid-year Joint Meeting (March 2014)
- Quarterly Update from CWCCG (S. Deslauriers) – Feb, May, Aug, Nov

BOARD COMMITTEES WITH NO MEETINGS CURRENTLY SCHEDULED

- Ad Hoc Conflict of Interest Committee (Mike Connor / Laura Pagano)

**August 29, 2013 BACWA Board Meeting
Action Items**

Number	Subject (Lead)	Task	Deadline	Status
2013.08-83	BACWWE/WOT Contracts (ED)	Investigate options to reduce BACWA liability in contracts with Solano Community College for the Water Operator Training Program.	12/19/2013	Completed - Added to Bodcal.
2013.08.84	Toxicity Plan (RPM)	Develop comment letter.		Ongoing
2013.08.85	Risk Reduction (RPM)	Draft proposal to meet permit requirement.	9/26/2013	Pending
2013.08-86	Technical Symposium on Nutrients (RPM)	E-mail Save the Date to potential attendees including USEPA and State Board reps. Compile potential questions for moderators.	8/29/2013	Completed Ongoing
2013.08-87	Nutrient Watershed Permit Negotiating Team (ED)	Determine subembayment representatives.	9/15/2013	Completed
2013.08-88	Pardee Planning (ED)	Compile feedback from Board and revise draft agenda.	9/26/2013	Completed
2013.08-89	Pardee Planning (ED)	Investigate scheduling pre-meeting with Water Board.	9/26/2013	Completed
2013.08-90	Annual Meeting (AED)	Investigate alternate venues.	10/15/2013	Pending

Action Items Remaining from Previous BACWA Executive Board Meetings

Number	Subject (Lead)	Task	Deadline	Status
2013.05-56	SSO Enforcement Options (ED) (Monica Oakley)	Draft scope of work for ED review.	7/25/2013	Completed

February 2013 – Present: 88 of 90 Action Items completed.



DRAFT PLAN FOR TOXICITY ASSESSMENT AND CONTROL: Following the 8/27 meeting with State Water Board staff which went over proposed revisions to the Toxicity Plan, RPM drafted a comment letter responding to the proposed changes and distributed it to the BACWA Toxicity Workgroup for comments. BACWA representatives Tim Potter and Dan Jackson also attended a followup meeting to clarify BACWA's concerns about instream waste concentration, effluent limits, reasonable potential analysis, acute toxicity testing and monitoring frequency. RPM is collaborating with workgroup to develop draft language recommending reduced monitoring for agencies with a consistent record of passing toxicity tests. The proposed language will be attached to the comment letter when it is finalized and submitted to State Water Board staff by early October.

Lila Tang responded to the BACWA report summarizing history of acute toxicity in Region 2. She requested a time series plot of acute toxicity events in the Region as well as some other clarifications about the data. She also reported that she is uncertain about how Region 2 will implement acute toxicity testing under the Toxicity Plan since the State Water Board has indicated that the language about acute toxicity testing will change from the previous draft.

NUTRIENT TECHNOLOGY SYMPOSIUM: Worked with consultant to distribute final agenda and invitation. Managed RSVPs. Will provide final agenda for Symposium and attendee count at Executive Board meeting.

TRI-TAC MEETING: Major issues of interest to BACWA are the EPA's requirement for e-Reporting and their recommended freshwater ammonia objective.

-*EPA Notice of Proposed Rulemaking for Electronic Reporting* – DMR, biosolids and pretreatment reporting to EPA will be required electronically. CIWQS will likely be able to manage the DMR reporting to EPA through the eSMR2.5 update, but the State Water Board will need to plan for biosolids and pretreatment reporting which are not part of CIWQS. Dischargers in states that don't have electronic reporting to EPA implemented will be required to report directly to EPA. There is also a question of whether "blending" counts as a "bypass" for which electronic reporting will also be required.

-*EPA recommended freshwater ammonia criteria* – EPA's chronic criteria are very low and could pose a compliance problem for some dischargers. The mussels that the objectives are based on may be present in some SF Bay tributaries such as the Napa River. National groups (led by FWQC) are deciding whether to litigate, and if so whether the challenge will be procedural or science-based. At the permits committee meeting, Lila Tang said adopting the EPA criteria wasn't a basin planning priority, especially given the ongoing nutrient efforts.

NORTH BAY SELENIUM TMDL: Conversated with Peter Carroll from Tesoro and Barbara Baginska from the Regional Water Board. The anticipated EPA criteria has been delayed by an NGO lawsuit, and is not expected for several more years. The Regional water Board will be restarting the TMDL process and developing their own target water concentration from the fish tissue objective based on translation methodology that has been approved by the EPA. Barbara will set up a meeting with BACWA in approximately two months or will come to a joint BACWA/Regional Water Board meeting to discuss their plans for the TMDL.

CEC MONITORING IMPLEMENTATION PLANNING: The first meeting of the reconvened Blue Ribbon Panel was September 13/14 at SCCWRP. The panel is expected to develop a pilot monitoring program of CECs identified through a risk-based screening framework. The POTW representative is Phil Friess. Reviewed Phil's presentation and discussed Bay Area interests and the work of the RMP. Tom Mumley is the Regional Board representative in the group.

REGULATORY ISSUES SUMMARY: Updated issues summary, which is included in the Board packet. The purpose of the summary is to give an overview of important ongoing regulatory issues to the BACWA Board and members, and to give members material to share with their governing Boards. The summary will be updated before the Pardee retreat and before the annual members' meeting. Comments received by October 10 will be incorporated and included in the Pardee packet.

RISK REDUCTION FOR MERCURY/PCBs: Discussed Region 2 risk reduction efforts with Dyan Whyte. The Delta effort received Cleanup and Abatement funds from the state because state agencies such as the DWR had wasteload allocations and were not able to contribute to risk reduction efforts. Planning a conference call with DPH, Region 2 and 5 Water Board staff for early October.

ERS DATABASE: Discussed alternative models for BACWA data storage and access with Darlene Reddaway from Azyrua. Followup steps are to discuss BACWA's needs with agencies and ED.

BACWA BULLETIN: Drafted and distributed September BACWA Bulletin.

COMMITTEE SUPPORT – Drafted agenda and Board Report for Permits Committee meeting. Drafted meeting notes and Board Report for Recycled Water Committee Meeting. Drafted Board Report for AIR committee.

MEETINGS ATTENDED: Recycled Water Committee (9/4), Pyrethroids Webinar (9/4), Permits Committee (9/10), FWQC e-Reporting webinar (9/17), Tri-TAC (9/12), AIR Committee (9/18), FWQC ammonia criteria conference call (9/20).



KEY REGULATORY ISSUE SUMMARY

Prepared SEPTEMBER 20, 2013

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Action items for member agencies are in **bold**

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
PERMITS COMMITTEE			
NUTRIENTS IN SAN FRANCISCO BAY - REGULATORY			
<ul style="list-style-type: none"> The SF Bay Nutrient Strategy is part of a statewide initiative, supported by the U.S. EPA Region IX and the State Water Board, to establish water quality standards to prevent or mitigate nutrient impairment. Water contractors and Baykeeper have been encouraging regulators to tighten nutrient limits in Bay Area permits as they are renewed. Because of the complexity of the science behind nutrient impacts in the SF Bay, stakeholders in the region are embarking on a collaborative process to ensure that future regulations are based on sound science. 	<ul style="list-style-type: none"> BACWA is working with the Regional Water Board on developing a Nutrient Watershed permit. Adoption is targeted for Winter/Spring 2014. BACWA and the Regional Water Board hosted a meeting on 6/21/13 to introduce this concept to the POTW community. Elements of the watershed permit will include: <ol style="list-style-type: none"> 1. Limiting discharges to current levels through aggregate numeric action levels or limits. 2. Continued monitoring of nutrients in effluent and receiving water. 3. Funding for studies to investigate possible impacts of nutrients on SF Bay. 4. An investigation of nutrient removal technology alternatives for POTWs. 	<ul style="list-style-type: none"> A negotiating team representing large and small agencies in each of the subembayments will be meeting regularly with Regional Water Board staff to develop the details of the watershed permit. BACWA is hosting a Nutrient Technology Symposium on 10/21, and will continue to host meetings to support this effort as it moves forward. 	<p>SF Bay Regional Water Board NNE page: http://www.waterboards.ca.gov/sanfranciscobay/water_issues/program_s/planningtmdls/amendments/estuaryenne.shtml</p> <p>BACWA Nutrient page: http://bacwa.org/nutrient_s</p> <p>Presentations from 6/21 Regulatory meeting: https://app.box.com/s/6waw4jzabs5q5kzcapt</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
NUTRIENTS IN SAN FRANCISCO BAY – SCIENCE			
<ul style="list-style-type: none"> SF Bay has historically been resilient to nutrient impacts because of tidal mixing and high turbidity. However, the turbidity is decreasing due to filtration by invasive clams and capture of sediment by upstream dams. There is concern that SF Bay may become nutrient over-enriched in the future. Ammonia discharged from POTWs has been suggested to be disrupting the food-web, and ultimately contributing to the decline of pelagic fish populations in the Bay-Delta estuary. 	<ul style="list-style-type: none"> BACWA and the Regional Water Board are working to establish a governance structure that will be the decision-making body governing which studies are funded and used for making policy decisions. A facilitator has been interviewing stakeholders to make a final recommendation on the governance structure. BACWA has committed \$675K in funding for nutrient studies in fiscal year 2014. Agencies are continuing to collect nutrient loading data per the Regional Water Board's 13267 letter. 	<ul style="list-style-type: none"> Participate in governance structure, and help develop its charter once it is formed. BACWA representatives will meet with the Regional Water Board on 10/10 to kick off the decision making process. The governance structure will not be finalized at this time, but it is important to begin the decision-making process in the near future. 	<p>Sample decision trees for nutrient studies: http://bacwa.org/Portals/0/Nutrients/Sample%20Decision%20Tree.pdf Central Valley Regional Water Board Ammonia Webpage: http://www.swrcb.ca.gov/RegionalWaterBoard5/water_issues/delta_water_quality/ambient_ammonia_concentrations/index.shtml</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
SELENIUM – EPA CRITERIA AND SF BAY TMDLs			
<ul style="list-style-type: none"> EPA is developing ambient water concentration criteria for the SF Bay/Delta based on a previously developed fish tissue objective. Preliminary calculations have yielded numbers that are lower than most effluent concentrations, and lower than background concentrations in upstream rivers and the ocean. The Regional Water Board is restarting the North Bay Selenium TMDL process. The South Bay TMDL will be developed in the future, but the timeframe has not yet been determined. 	<ul style="list-style-type: none"> EPA has been sued by an NGO for taking too long to release CTR criteria, and are currently in settlement negotiations. While the EPA was planning on releasing the criteria this year, this has been put on hold indefinitely pending the outcome of the lawsuit. The Regional Water Board is currently working to develop an allowable ambient concentration using methodology that has been approved by the EPA. This concentration will form the basis for the TMDL. BACWA has coordinated with the RMP to collect speciation data from select POTWs. The majority of selenium was in the dissolved phase. Selenate (Se VI), the form least adsorbative or bioaccumulative, was the dominant species, with organic selenium and selenite (Se IV) as the next most abundant species in most samples. 	<ul style="list-style-type: none"> Respond to Regional Water Board's ambient concentration objective when it is released. Collaborate with Regional Board staff in TMDL development. Track and respond to EPA criteria when they are published. 	<p>North Bay Selenium TMDL page: http://www.waterboards.ca.gov/rwqcb2/water_issues/programs/TMDLs/seleniumtmdl.shtml</p> <p>SFEI's selenium fractionation in POTW effluent study: http://www.sfei.org/sites/default/files/Se%20Speciation%20in%20Waste%20Water%20Technical%20Memo%20Final%202012Apr24-1.pdf</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
COMPOUNDS OF EMERGING CONCERN			
<ul style="list-style-type: none"> Pharmaceuticals and other trace compounds of emerging concern (CECs) are ubiquitous in wastewater at low concentrations and have unknown effects on aquatic organisms. The State Board, along with Southern California Coastal Water Research Project (SCCWRP), has been working with an Ecosystems Advisory Panel to determine next regulatory steps. Region 2's CEC strategy focuses on monitoring/tracking concentrations of constituents with high occurrence and high potential toxicity and source control. Much of what the SWRCB CEC Panel recommended are already being implemented in Region 2 through the RMP. 	<ul style="list-style-type: none"> Pulse of the Estuary 2013 will focus on CECs. Studies are ongoing to test the use of bioanalytical assays. SWRCB CEC panel reconvened in September to begin the process of developing an Implementation Plan for its recommendations which will likely include a pilot monitoring study. POTW representative is Phil Friess from LACSD, and Regional Board Representative is Tom Mumley from Region 2. 	<ul style="list-style-type: none"> Continue to participate in the RMP CEC Workgroup. Continue to engage in State CEC Panel on implementation through the designated POTW representative, Phil Friess. BACWA's aim is that collaboration in any future monitoring study will be fulfilled though participation in existing RMP programs. 	<p>Ecosystems Advisory Panel: http://www.sccwrp.org/ResearchAreas/Contaminants/ContaminantsOfEmergingConcern/EcosystemsAdvisoryPanel.aspx</p> <p>Regional Monitoring Program CEC Workgroup: http://www.sfei.org/rmp/ecwg</p>
EPA ELECTRONIC REPORTING			
<ul style="list-style-type: none"> EPA has issued a NPR that would make all federal and state reporting electronic for NPDES permittees. Since California NPDES permittees already report through CIWQS, this will hopefully be a seamless transition. Dischargers in states that have not fully implemented an electronic reporting tool will be required to report directly to the EPA. 	<ul style="list-style-type: none"> State Board is working on eSMR 2.5, which will allow for electronic submittal of EPA required self-monitoring data through an extension to CIWQS. Electronic submittal will also be required for biosolids and pretreatment reporting, which CIWQS does not currently handle. Errors are often propagated when the data are made public, and they are also often presented out of context (e.g. presenting exceedences as violations) and are difficult to correct. 	<ul style="list-style-type: none"> Work with Tri-TAC to comment on EPA's NPR by October 28, 2013 Track State Water Board's efforts to implement eSMR2.5 for all dischargers, as well as develop a reporting tool for biosolids and pretreatment, by the time EPA requires electronic reporting in 2016. 	<p>EPA Fact Sheet: http://www2.epa.gov/sites/production/files/2013-08/documents/npdes-electronic-reporting-rule-factsheet.pdf</p> <p>State Water Board's page on eSMR2.5 http://www.swrcb.ca.gov/ciwqs/esmr25.shtml</p> <p>EPA presentation to States: http://www2.epa.gov/compliance/proposed-mpdes-electronic-reporting-rule-webinar-presentation-states</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
MERCURY/PCB WATERSHED PERMIT			
<ul style="list-style-type: none"> Watershed Permit adopted on 12/12/12 with 1/1/13 effective date. Aggregate PCB and mercury loads are well below wasteload allocations. Method 1668c for PCB congeners has still not been promulgated by EPA. 	<ul style="list-style-type: none"> Dischargers no longer sample effluent for methylmercury. Quarterly PCBs monitoring by method 1668C now only has to evaluate the 66 congeners that the TMDL is based on versus the 209 previously required. Dischargers no longer participate in a BACWA group mercury annual report. Agencies now need to report mercury data independently. Reduced mercury source control efforts. Continued requirement of risk reduction program funding and annual reporting of effort (BACWA submits letter) . 	<ul style="list-style-type: none"> Laboratory committee is continuing to investigate potential causes of poor data resulting from Method 1668C for PCBs. BACWA is convening meetings with partners in the public health and regulatory community to develop work plan for risk reduction during the current permit term. 	<p>2013 Mercury/PCB Watershed Permit: http://www.waterboards.ca.gov/sanfranciscobay/board_decisions/adopted_orders/2012/R2-2012-0096.pdf</p>
STATE WATER BOARD TOXICITY PLAN			
<ul style="list-style-type: none"> Draft State Toxicity Policy issued in June 2012 would establish/require: <ul style="list-style-type: none"> numeric limits for chronic toxicity; use of Test of Significant Toxicity (TST) as statistical method to determine toxicity replacing EC25/IC25 (with concerns it will lead to more false positive results); Regional Water Board discretion on inclusion of acute toxicity in permits and whether to allow for dilution. 	<ul style="list-style-type: none"> The new rules will now be released as a SIP amendment, rather than a stand-alone policy, with the goal that all water quality regulations will be part of a single implementation plan document. State Water Board has released a Fact Sheet outlining proposed revisions, and has invited stakeholders to weigh in on the proposed updates. Next draft of policy expected in November 2013 or later. BACWA representatives have met with Regional Water Board Staff to discuss the Region 2 implementation of acute toxicity testing and instream waste concentrations. 	<ul style="list-style-type: none"> BACWA will submit a comment letter to the State Water Board outlining our response to the Fact Sheet and proposing language to reduce monitoring requirements. BACWA will comment on the next draft of the toxicity plan once it is released. Key issues to discuss with the State Water Board continue to be the enforceable limits, monitoring frequency, reasonable potential analysis methodology, and instream waste concentration. 	<p>State Board Page: http://www.swrcb.ca.gov/water_issues/programs/state_implementation_policy/tx_ass_cntrl.shtml</p> <p>Fact Sheet: https://bacwa.box.com/s/m7dcmzeugfwylwsusl74</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
COLLECTION SYSTEMS COMMITTEE			
SSS WDR MRP			
<ul style="list-style-type: none"> The MRP for the SSS WDRs were recently revised by the State Water Board and became effective 9/9/13. 	<p>Revisions include:</p> <ul style="list-style-type: none"> New 2-hr notification for SSOs > 1K gallons New SSO categories New water quality sampling requirements for SSOs > 50K gallons New technical report for SSOs > 50K gallons 	<ul style="list-style-type: none"> Agencies will need to put together a water quality monitoring plan that dictates sampling protocols after SSOs Agencies should update their SSMPs to reflect these changes 	<p>Revised MRP: http://www.swrcb.ca.gov/board_decisions/adopted_orders/water_quality/2013/wqo2013_0058_exec.pdf</p> <p>Presentation on changes: http://bacwa.org/Portals/0/Committees/CollectionSystems/Library/2013%20BACWA%20CSC%20Revised%20MRP%2009-12-13A.pdf</p>
RECYCLED WATER COMMITTEE			
SALT AND NUTRIENT MANAGEMENT PLAN UPDATES			
<ul style="list-style-type: none"> The State Recycled Water Policy, originally adopted in 2009, requires salt and nutrient management plans for every basin in the State. These salt and nutrient management plans are to be adopted by February 2014. There has been no discussion about the consequences if the plans are not adopted by then. 	<ul style="list-style-type: none"> The Regional Water Board has participated in the development of salt and nutrient management plans for high priority basins in Sonoma, Livermore Valley and Santa Clara Valley, but has no plans for lower priority basins due to lack of staff resources. BACWA has proposed putting together a template that would allow stakeholders in low priority basins to comply with the requirement without duplicating efforts. However, Regional Water Board staff is not sure what level of documentation would be required. The guidance document that was developed by Sonoma County Water Agency could inform the template document. 	<ul style="list-style-type: none"> Work with Regional Water Board staff to determine what level of effort would suffice for low priority basins. 	<p>State Recycled Water Policy: http://www.waterboards.ca.gov/water_issues/programs/water_recycling_policy/docs/recycledwaterpolicy_approved.pdf</p>

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
BAPPG			
GREEN CHEMISTRY			
<ul style="list-style-type: none"> The Department of Toxic Substances Control (DTSC) developed the “Safer Consumer Products” regulation, effective 10/1/13. Under the regulations, DTSC will identify specific products for regulatory action. After manufacturers examine alternatives for the pollutant in the product, they may redesign products or DTSC may implement regulatory controls to protect human health and the environment, including water quality and POTW operations. 	<ul style="list-style-type: none"> This could be an important tool for POTWs to prevent the discharge of toxic substances to the sewer system. The regulation does not include pharmaceuticals or pesticides, which are regulated by other agencies. It will be important to track alternative assessments to prevent inadvertent creation of water pollution problems when products are reformulated. 	<ul style="list-style-type: none"> Beginning in 2014, BAPPG will look for opportunities to engage in the selection of the priority products and the development of methodologies for alternatives assessment. 	DTSC Safer Consumer Product Regulations page http://www.dtsc.ca.gov/SCPRegulations.cfm
PESTICIDES			
<ul style="list-style-type: none"> Most pesticides, including pyrethroids, are currently unregulated in wastewater other than by narrative toxicity standards. Some pyrethroids are toxic to sensitive organisms at extremely low concentrations. In the future, POTWs could be regulated for pyrethroids, which they cannot control. Engagement at this stage could steer regulators to adopt strategies favoring source control. 	<ul style="list-style-type: none"> POTWs from across the State, including several BACWA agencies, recently worked with pyrethroid manufacturers and DPR on a statewide survey of pyrethroids in POTW influent, effluent, and biosolids. Results of the study showed that pyrethroids are ubiquitous in effluent and biosolids throughout the state, often at concentrations above UC Davis-developed toxicity thresholds. BAPPG has been active in commenting on product registration at the EPA level, and to California DPR to urge regulators to consider the pathway to the sewer when registering products. 	<ul style="list-style-type: none"> P2 groups will work with EPA, DPR and pesticide manufacturers to prevent pyrethroids from being used in a manner where they are discharged to the sewer. A report will be submitted by the pesticide manufacturers to the Sate Water Board and DPR in late September or early October 2013. Because this report fulfills a DPR "data requirement" of manufacturers, there are legal restrictions on its distribution. A shorter, scientific journal paper-like version of the report will be publicly available by November 2013. 	

Background Highlights	Challenges and Recent Updates	Next Steps for BACWA	Links/Resources
AIR COMMITTEE			
GREENHOUSE GAS REPORTING			
<ul style="list-style-type: none"> Greenhouse gas reporting is mandated at the State level by AB 32, Global Warming Solutions Act and is implemented by CARB's GHG Reporting Regulation. Reporting is required for dischargers >10,000 MT CO₂e/yr, with abbreviated reporting for up to 25K MT CO₂e/yr. At Federal Level reporting is governed by EPA's Greenhouse Gas Mandatory Reporting Rule, EPA Prevention of Significant Deterioration and Title V GHG Tailoring Rule. Reporting is required for facilities above 25K MT CO₂e/yr. 	<ul style="list-style-type: none"> The EPA plans to update GWPs and apply them retroactively to reporting years 2010 to 2012: <ul style="list-style-type: none"> Methane: 21 to 25 CO₂e Nitrous Oxide: 310 to 298 CO₂e The increase in the methane GWP would put some agencies over the reporting threshold of 25,000 MT CO₂e/yr. Proposed amendments to CARB GHG Reporting Regulation would require facilities with > 25K MT/yr CO₂e to maintain a GHG Monitoring Plan. Abbreviated reporters will be required to enhance their reporting of fuel consumption and emissions. 	<ul style="list-style-type: none"> CWCCG is leading the POTW effort related to reporting. The amendments to the GHG Reporting Regulation will be considered by CARB on 10/24. 	<p>CARB Mandatory Reporting Page: http://www.arb.ca.gov/c/reporting/ghg-rep/ghg-rep.htm CWCCG Presentation https://app.box.com/s/x5366t5d5g8lx9uoedrm</p>
<ul style="list-style-type: none"> Note: AIR Committee publishes a regularly updated matrix of issues impacting air regulations available at: https://bacwa.app.box.com/s/6q1bsagr38n76v06eq7h 			

“Parking lot” issues with no update since the [January issues summary](#):

- Recycled Water Policy Update
- Climate Change Adaptation and Mitigation
- EPA Disinvestment from biosolids
- Solano County Land Application Ordinance
- BAAQMD amendments to Regulation 2

ACRONYMS

AIR Committee	Air Issues and Regulations Committee
BAAQMD	Bay Area Air Quality Management District
BAPPG	Bay Area Pollution Prevention Group
CARB	California Air Resources Board
CASA	California Association of Sanitation Agencies
CECs	Compounds of Emerging Concern
CIWQS	California Integrated Water Quality System
CO ₂ e	Carbon dioxide equivalent
CTR	California Toxics Rule
CWCCG	California Wastewater Climate Change Group
DPR	Department of Pesticide Regulation
DTSC	Department of Toxic Substances Control
EPA	United States Environmental Protection Agency
eSMR	Electronic Self Monitoring Report
GHG	Greenhouse Gas
GWP	Global Warming Potential
MRP	Monitoring and Reporting Program
MT	Metric Tons
NPR	Notice of Proposed Rulemaking
P2	Pollution Prevention
PCB	Polychlorinated Biphenyl
POTW	Publically Owned Treatment Works
RMP	Regional Monitoring Program
SCCWRP	Southern California Coastal Water Research Project
SF Bay	San Francisco Bay
SFEI	San Francisco Estuary Institute
SIP	State Implementation Plan
SSMP	Sewer System Management Plan
SSO	Sanitary Sewer Overflow
SSS	Sanitary Sewer System
WDR	Waste Discharge Requirements
TMDL	Total Maximum Daily Load
TST	Test of Significant Toxicity



BACWA CHAIR / EXECUTIVE DIRECTOR AUTHORIZATION REQUEST

FILE NO.: 13,083

DATE: September 6, 2013

TITLE: O’RORKE, INC. for POLLUTION PREVENTION (P2) WEEK CAMPAIGN SUPPORT

RECOMMENDED ACTION

Executive Director authorization for an agreement with O’Rorke, Inc. in an amount not to exceed \$1,500 to provide media relations support for the BAPPG’s online “Wipes Clog Pipes” campaign in conjunction with National P2 Week.

SUMMARY

Most consumer wipes products (labeled flushable or not) take much more time to disperse in water than toilet paper, which has caused issues for many POTWs in the Bay Area, including damage to pumping station equipment, grinders and other infrastructure, stoppages and even sanitary sewer overflows. For example, in 2011, more than 30% of Central Contra Costa Sanitary District’s (CCCSD) overflows were caused by consumer wipes. This is also a safety issue for pump station employees that have suffered needle sticks from “deragging” pumps clogged with wipes.

As part of a multi-pronged approach on this issue, which includes collaborating with NACWA and WEF on efforts to deal with the woven fabrics industry association (INDA) and supporting proposed legislation, the BAPPG Steering Committee is recommending this campaign to incorporate an outreach component seeking behavior change on a regional basis.

This contract will provide media relations support for the BAPPG’s regional online campaign encouraging the public not to flush disposal wipes. This will include generation of a press release, then shopping it to various media outlets (newspaper, radio and possibly television) to get additional free media coverage to support this campaign.

This work will be carried out under the supervision of Melody LaBella (CCCSD).

FISCAL IMPACT

This project was specifically budgeted in the BACWA-approved 2013/2014 BAPPG Budget, under the line item “Other.”

ALTERNATIVES

BACWA could elect not to move forward on this project, but it is not recommended, as retail sales of disposable wipes are on the rise, so this issue is not going away. 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: <i>David R. Williams</i>	Date: <u>9/9/2013</u>
---------------------------------------	-----------------------

Scope of Work Wipes Campaign

O'Rorke, Inc. will conduct media relations in support of the BAPPG's P2 Week Online Wipes Campaign. The major tasks under this scope will be the creating a press release and shopping it around to various media outlets to get free media exposure and coverage in support of the wipes campaign. Any remaining budget will be used to augment the budget for running online banner ads on the Bay Area News Group websites and Facebook.



BACWA EXECUTIVE DIRECTOR AUTHORIZATION REQUEST

FILE NO.: 13,085

DATE:

9/9/2013

TITLE: BAPPG Printing for the Eat Real Festival

RECOMMENDED ACTION

Chair authorization for an agreement with Clone Digital Print and Copy in an amount not to exceed \$1700.00 for printing handouts and business cards for the Bay Area Pollution Prevention Group.

SUMMARY

This project will provide support for the Bay Area Pollution Prevention Group's table at the Eat Real Festival on September 27, 28, and 29, 2013. The table will be advising people to use less toxic methods of pest control over conventional pesticides. The plan is to have people take business cards with the Our Water Our World website info so they can look up the pest information on the internet. We are having 5000 business cards made for this purpose. We will have 100 of each of the factsheets printed for people that want to take a sheet on a specific pest and do not or cannot use the internet as a resource.

FISCAL IMPACT

This item is included in the approved Fiscal Year 2013-2014 under the emerging issues line-item. BAPPG budget and work plan 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. Purchase Order
2. Estimate from Clone Digital Print and Copy

Approved By: <i>David R. Williams</i>	Date: 9/12/2013
---------------------------------------	-----------------

August 29, 2013

Robert C. Wilson
Environmental Compliance Inspector
City of Petaluma

Dear Robert:

Per your request, here is pricing for printing business cards and 12 different fact sheets.

8.5 x 11" fact sheets

Specifications: 8.5 x 11", full color, no bleed (artwork will be shrunk approximately 97% to achieve white border), printed on 28# Mohawk text (100% post-consumer waste recycled paper), 12 different originals

Price for 100 sheets of each original (total 1200 fact sheets)
\$912.00 before sales tax

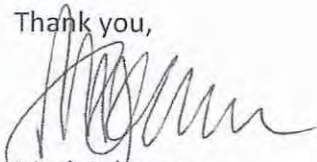
Business cards

3.5" x 2", full color, full bleed, single sided, 110# Mohawk Options cover (100% post-consumer waste recycled paper)

Price for 5000 business cards: \$543.75 before sales tax

Please let me know if you have any questions or need additional pricing.

Thank you,



Mark Johnson
Manager

618 Fifth Street
Santa Rosa
CA 95404
fax 707.527.9651
707.527.6565

www.cloneprint.com

OUTLINE - PARDEE PROPOSED AGENDA				
DATE	TIME	TOPIC	ISSUES	DESIRED OUTCOMES
Wednesday, October 23, 2013				
	8:30 AM	Financial	brief financial history current financial status current dues structure future dues strategy	better understanding of financial reports agreement on approach to increase dues
			contribution scenarios under future CBC funding alternatives consider consolidation of funds	agreement on increases in funding agreement on which funds should be consolidated
	10:30 AM	Break		
	10:45 PM	Committee Structure and Support	Review existing structure and funding Self Funded Committees Alternative structures and support Discussion on changes Committee authority	agreement on changes if needed agreement on role and authorities of committees
	Noon	Lunch		
	1:00 PM	Contracting Policy and Procedures	brief review of contracting activities authorization limits for executing contracts exceptions to policy reallocation of scopes of work approving subcontractors	agreement on changes needed
	2:00 PM	Associate Involvement	discussion of approaches to improve non-Principals involvement in BACWA	develop strategies and specific initiatives
	3:00 PM	Break		
	3:15 PM	Other/Administrative	strategic plan overview external relations web site perf plans succession plans	exchange ideas and provide direction for improvements
	5:00 PM	break		
	6:30 PM	Dinner		

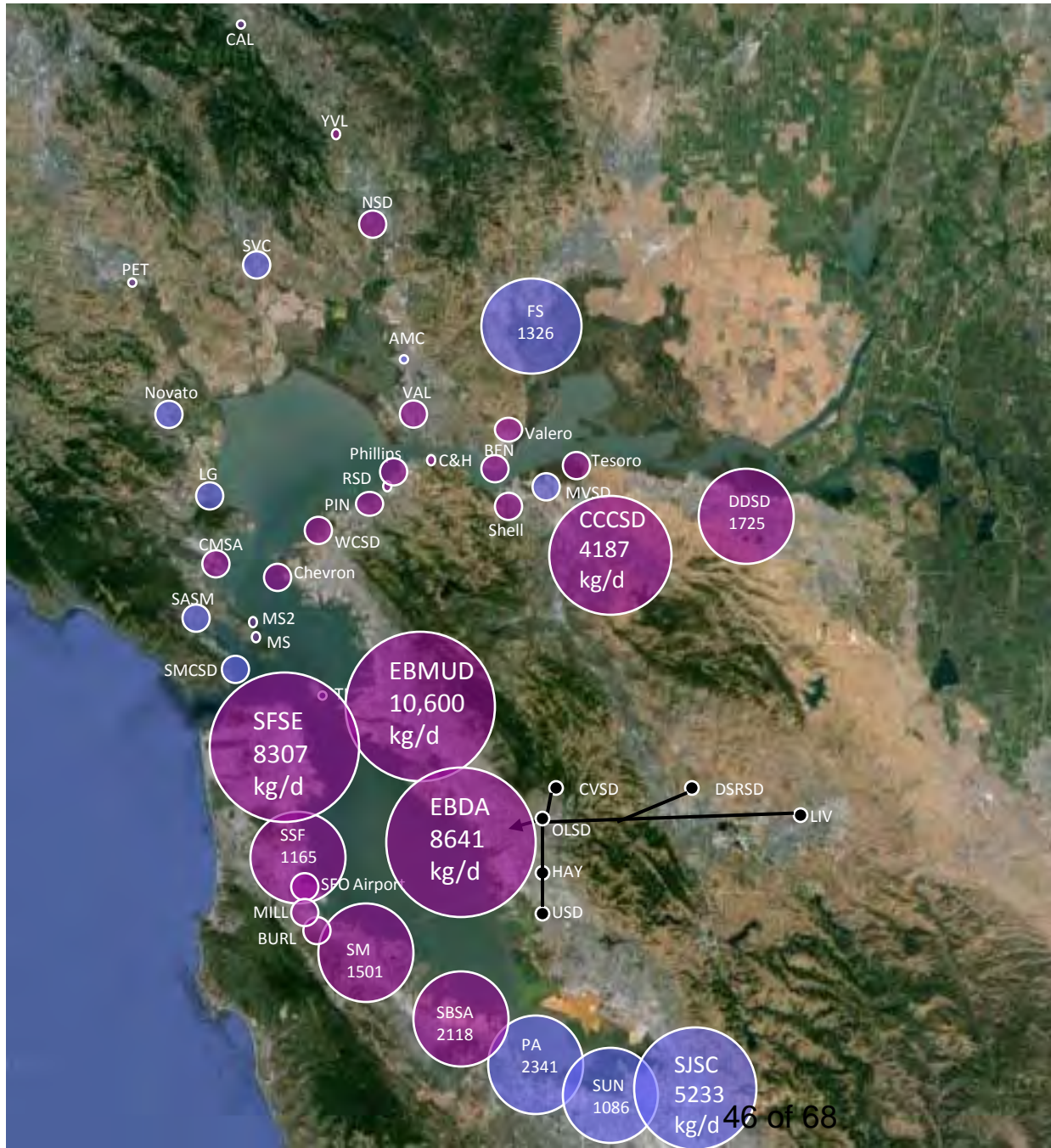
DATE	TIME	TOPIC	ISSUES	DESIRED OUTCOMES
Thursday, October 24, 2013	7:30 AM	<i>Breakfast</i>		
	8:30 AM	Nutrient Regulatory Strategy	discussion of BACWA positions and strategies	
	Noon	<i>Lunch</i>		develop strategies for dealing with nutrient regulatory issues
	2:30 PM	Nutrient Regulatory Strategy	discussion of BACWA positions and strategies	
	3:00 PM	<i>break</i>		
	3:30 PM	Nutrient Regulatory Strategy	discussion of BACWA positions and strategies	
<i>Water Board Staff arrive Thursday late afternoon</i>	5:00 PM	break		
	6:30 PM	Dinner		
	7:30 PM	Discuss/Agree on Friday Agenda		
Friday, October 25, 2013	7:30 AM	Breakfast		
	8:30 AM	Review of SFEI Workplan	status of scientific investigations	achieve common understanding of scientific road map that will lead to
	9:30 AM	Future Study needs	future investigations, cost and schedule (review decision trees) BACWA future funding	future regulations and approaches to funding needed investigations
	10:00 AM	Governance Structure	key issues and concerns and possible resolutions	update on status of developing governance structure, develop a vision of what the ultimate governance structure looks like and
	noon	lunch		timing for putting in place
	1:00 PM	Watershed Permit Issues	status of discussions with EPA update on negotiations and key sticking points discussion of early actions schedule	focus on key sticking points coming out of Negotiating Team meetings and how to overcome
	1:45 PM	Next Steps	summarize actions coming out of discussions	
	2:00 PM	Other Regulatory Issues	Toxicity risk reduction selenium CEC's emerging issues	update on issues identification of key sticking points possible resolutions
	3:00 PM	end		

BACWA Agencies – Effluent Flow (mg/day)



Flow MGD	Secondary Treatment	Ammonia Removal
<1		
1-10		
10-50		
50-75		
75-100		

BACWA Agencies – Total Nitrogen Loads (kg/day)



N Load (kg/d)	Secondary Treatment	Ammonia Removal
<100		
100-1,000		
1,000-3,000		
3,000-7,500		
>7,500		

BACWA Agencies – Ammonia Loads (kg/day)



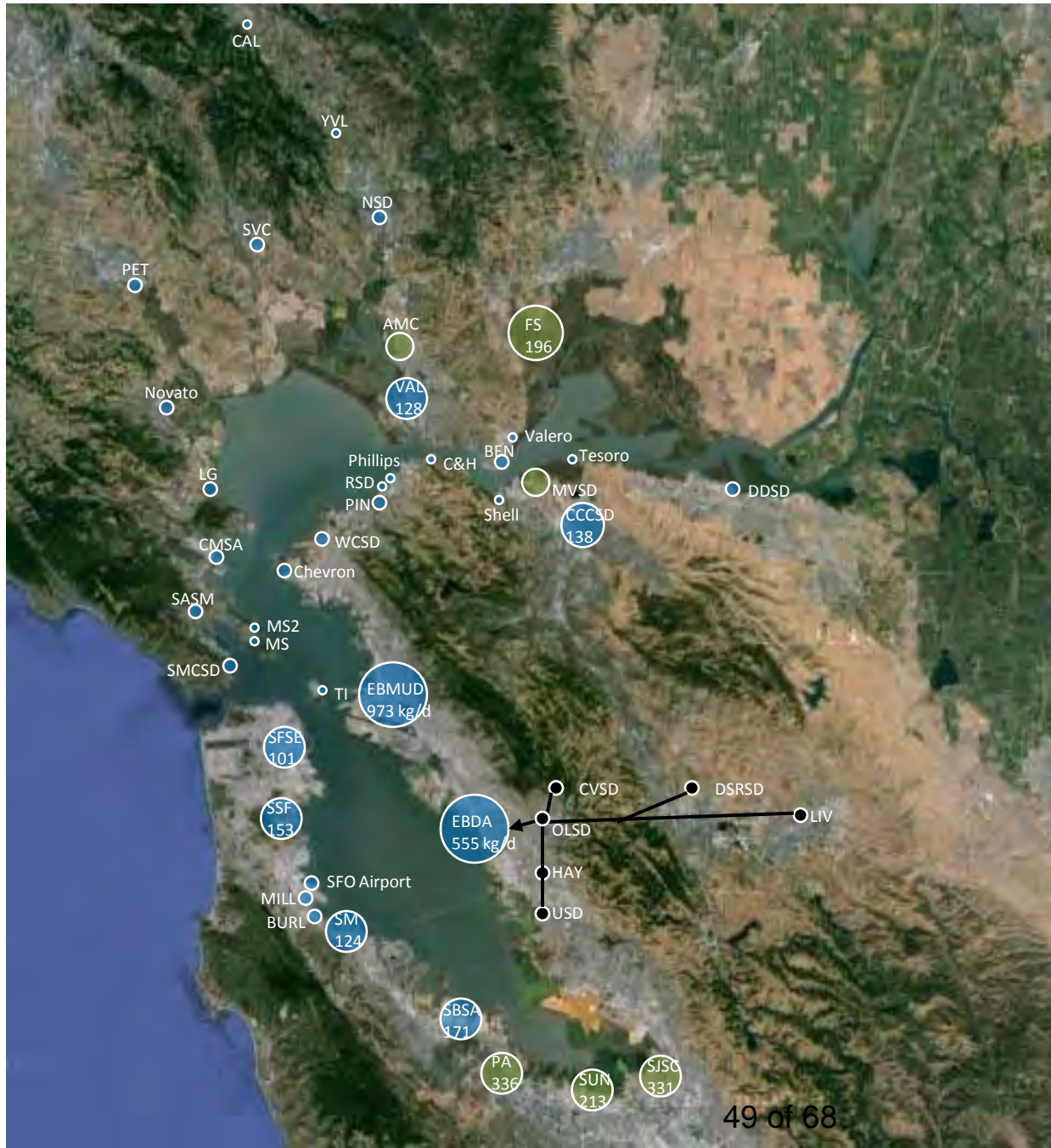
NH ₃ Load (kg/d)	Secondary Treatment	Ammonia Removal
<100		
100-1,000		
1,000-5,000		
5,000-10,000		

BACWA Agencies –Nitrate Loads(kg/day)



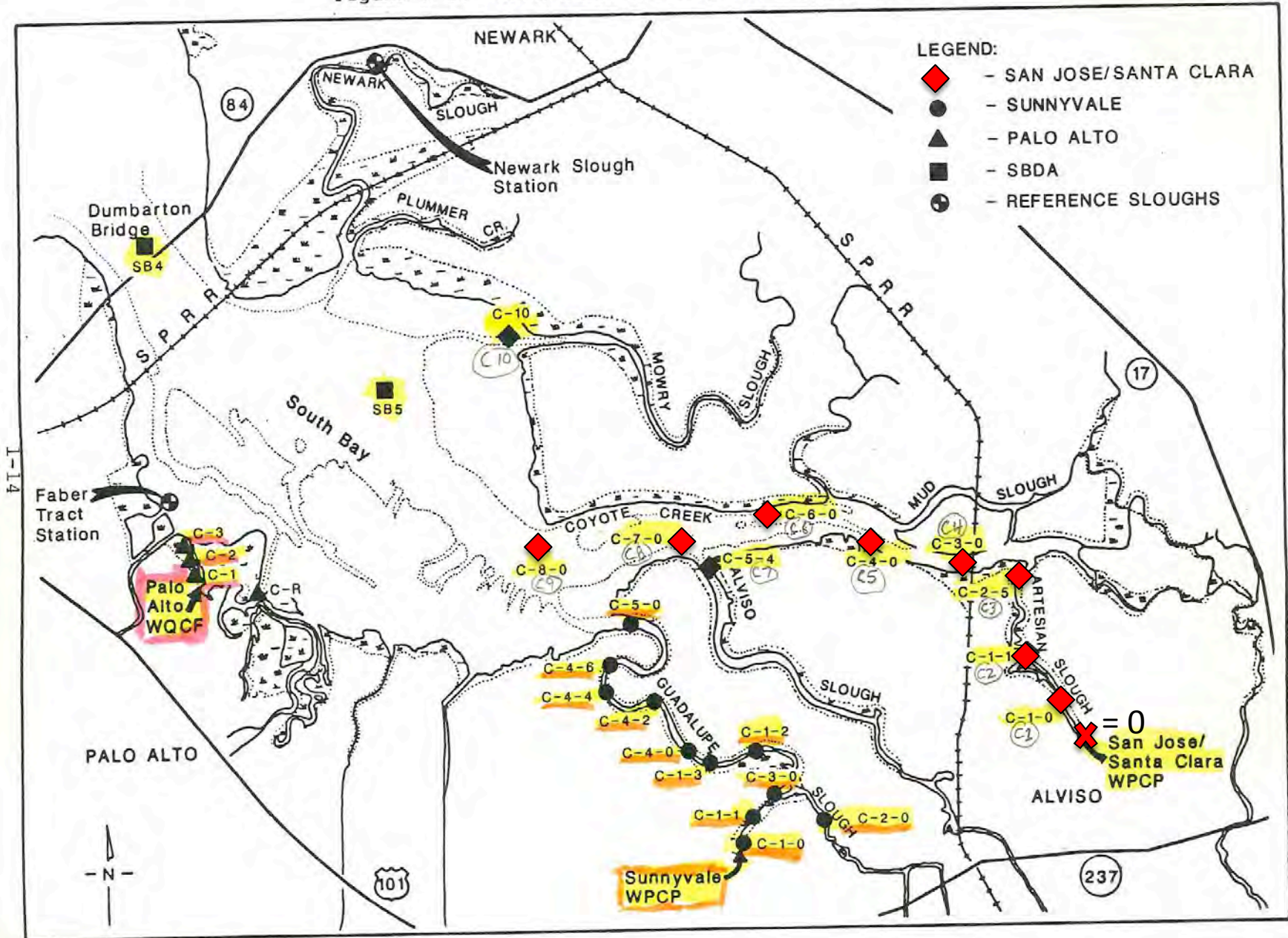
NO ₃ Load (kg/d)	Secondary Treatment	Ammonia Removal
<100		
100-1,000		
1,000-2,500		
2,500-5,000		

BACWA Agencies – Total Phosphorus Loads (kg/day)



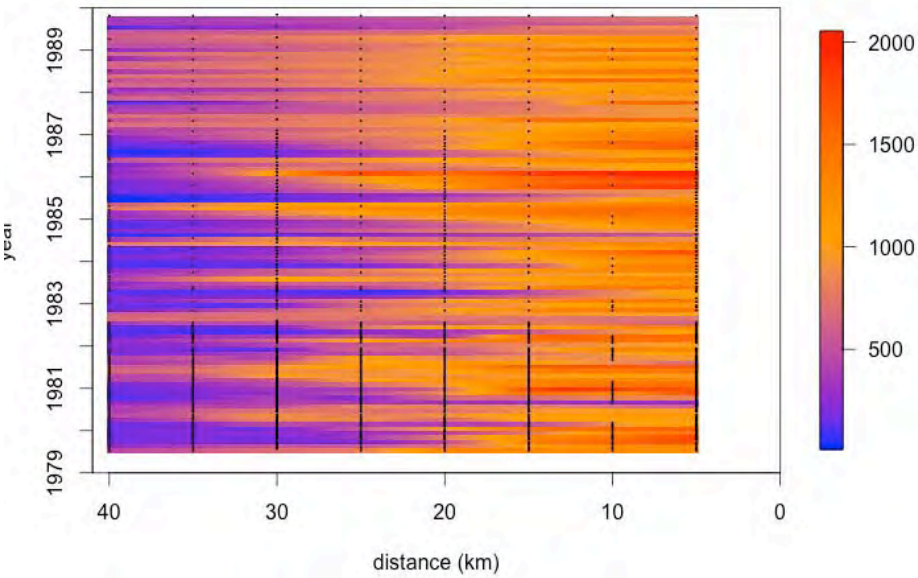
P Load (kg/d)	Secondary Treatment	Ammonia Removal
<10	Small blue circle	Small green circle
10-100	Medium blue circle	Medium green circle
100-500	Large blue circle	Large green circle
500-1000	Very large blue circle	Very large green circle

Figure 1-1. SBDA Water Quality Monitoring Stations

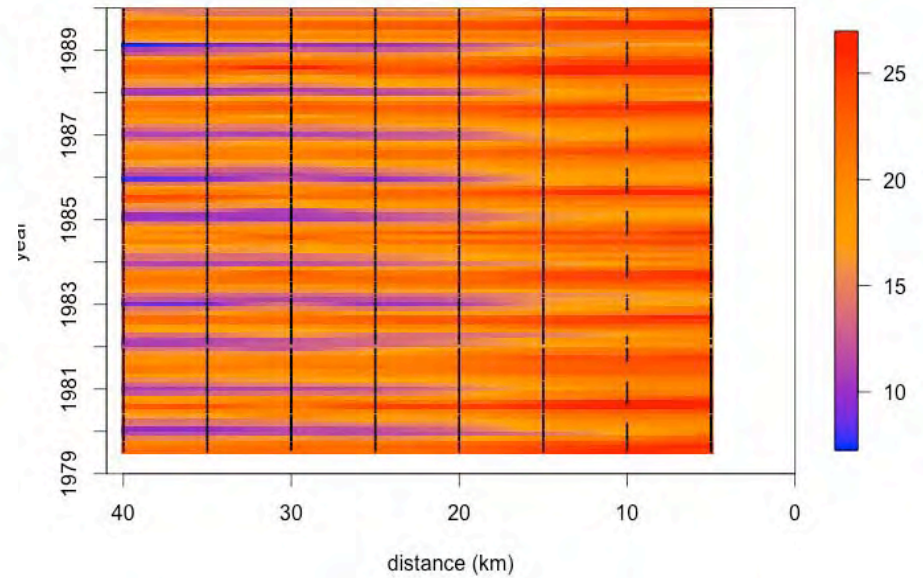


Note: - Distance is dummy/placeholder, with SanJose outfall = 0
- Small dots indicate where/when data is available for each parameter

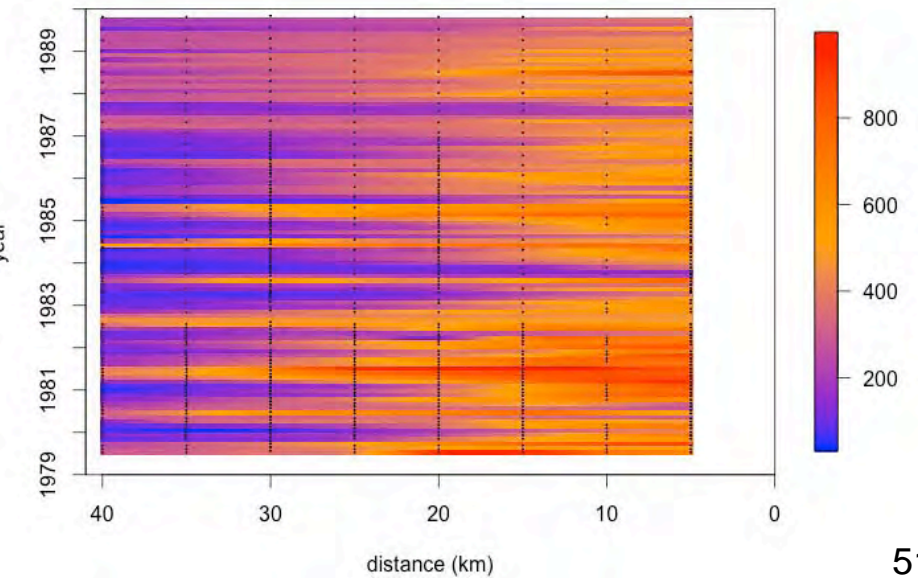
DIN



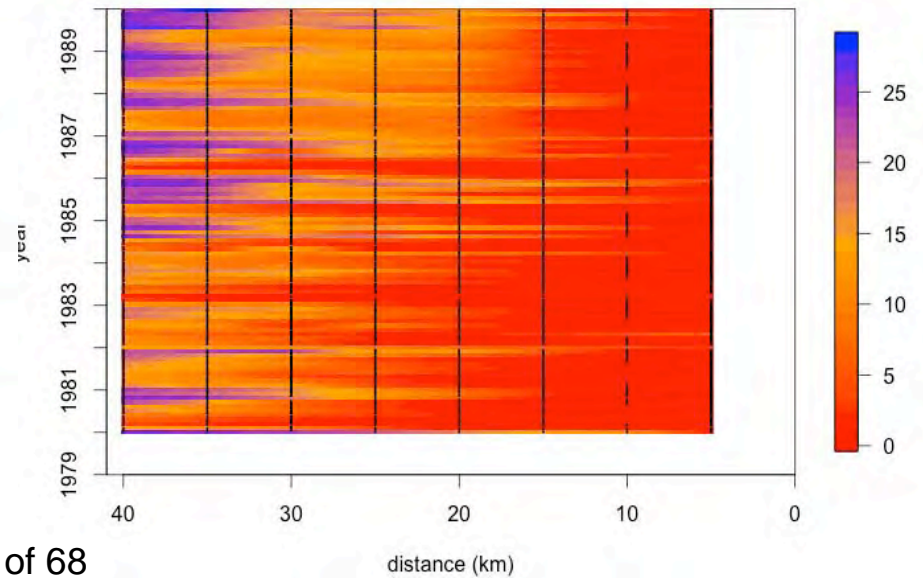
Temperature

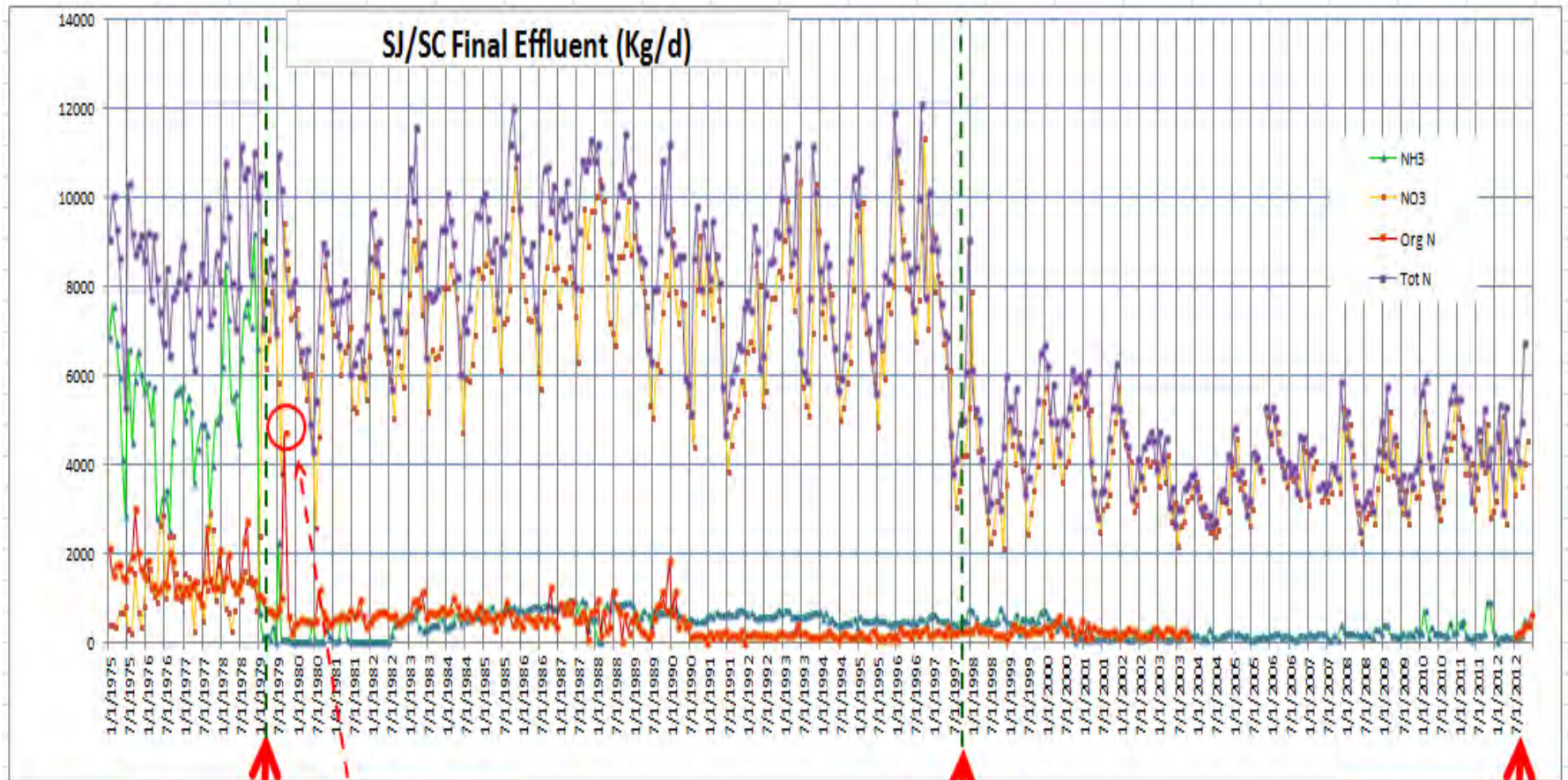


DIP



Salinity





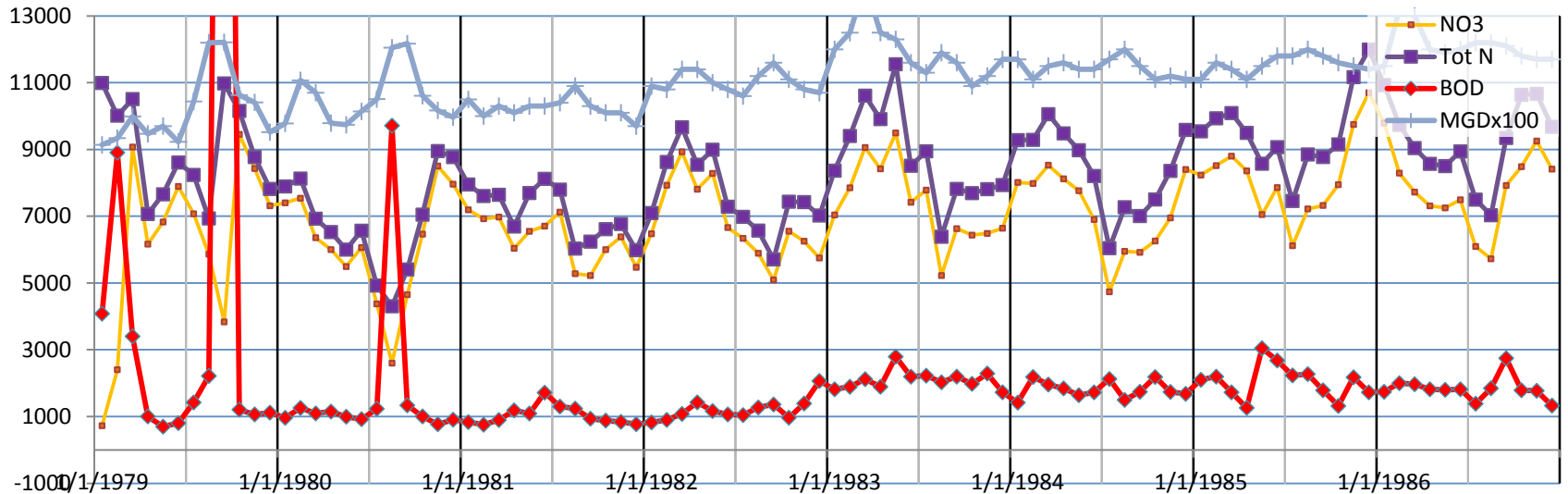
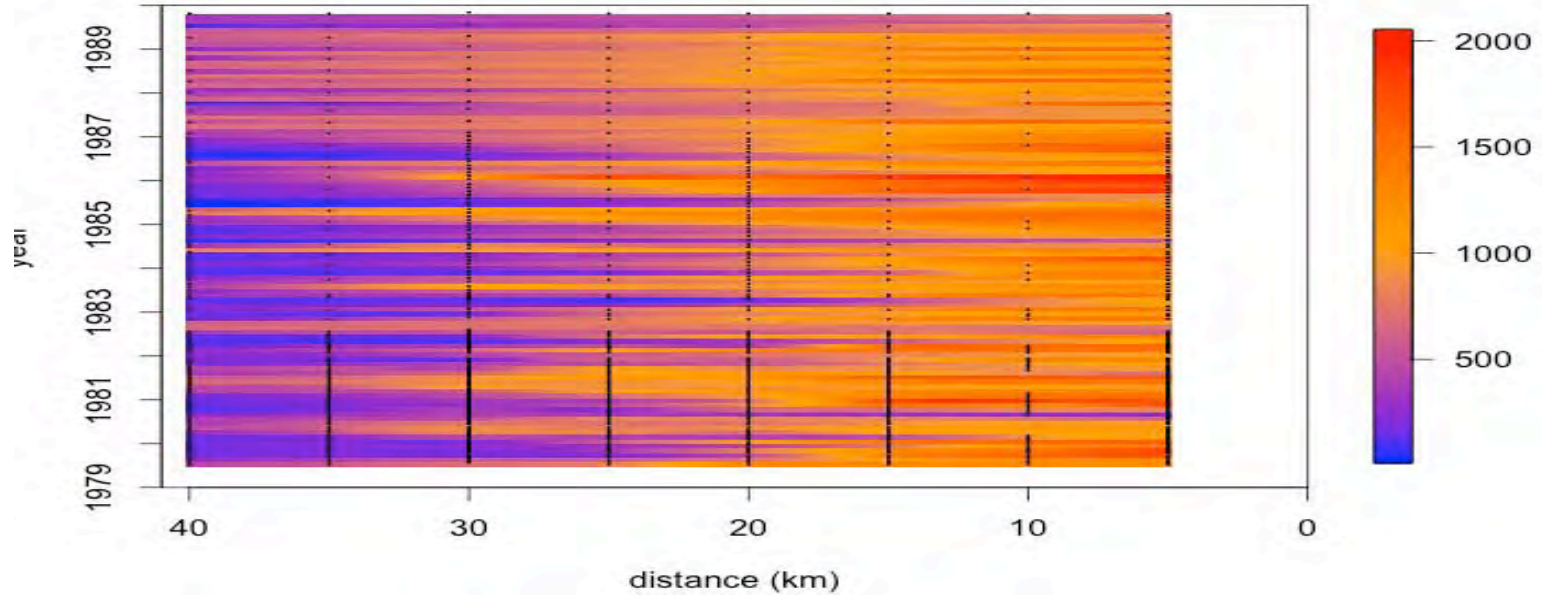
Feb 1979: San Jose implemented nitrification and filtration. NH3 was converted to NO3 in Plant.

San Jose suffered two huge bulking and bypass events in Sep 1979 and Aug 1980. The 1979 incident affected N loads

San Jose implemented BNR process in July 1997.

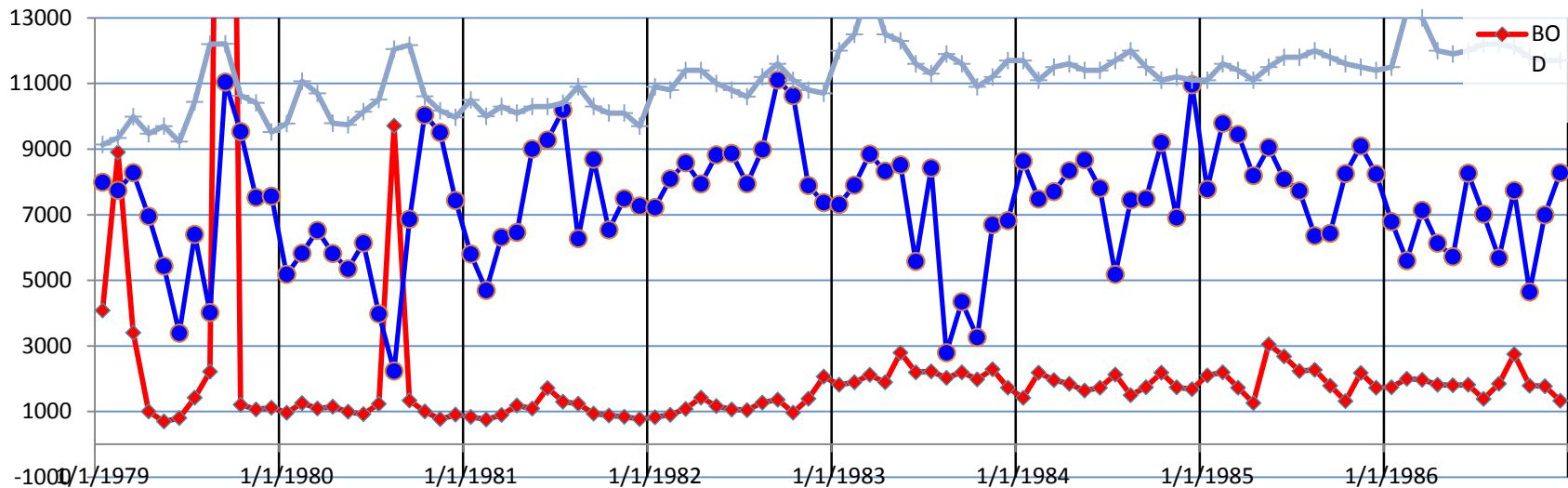
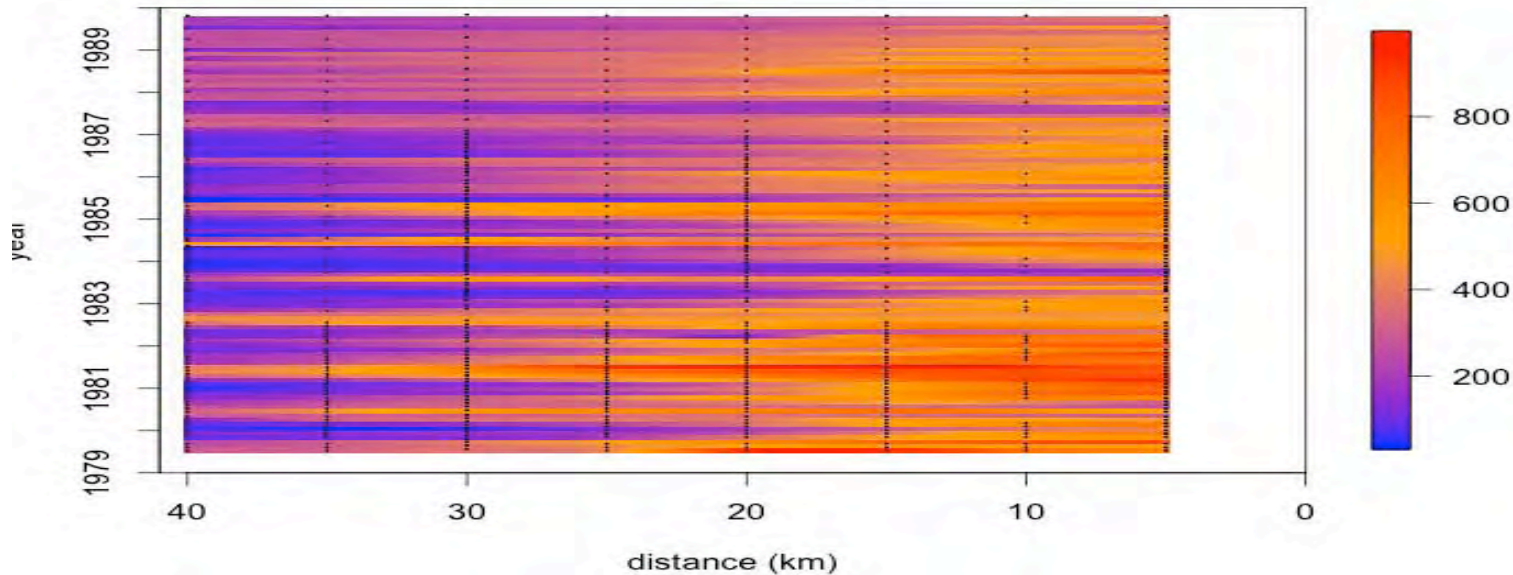
We are now measuring N using nutrient 13267 parameters. This recommended measurement of Organic N for first time since 2003.

DIN



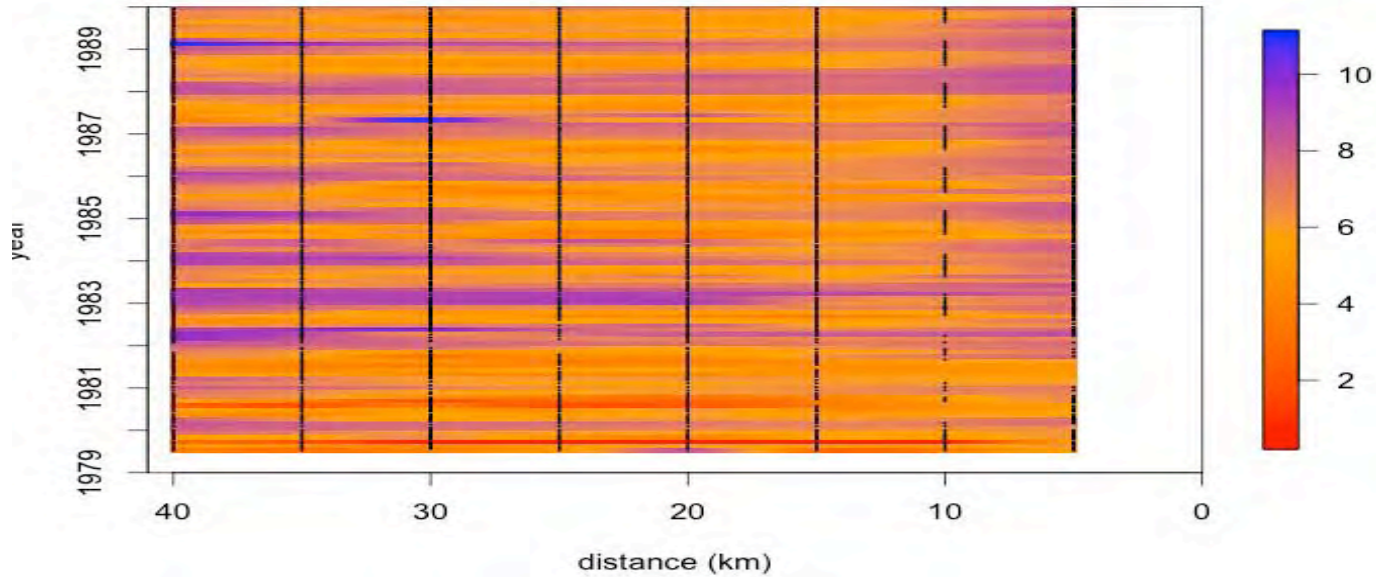
SJ/SC Final Effluent (Kg/d) - Nitrogen

DIP

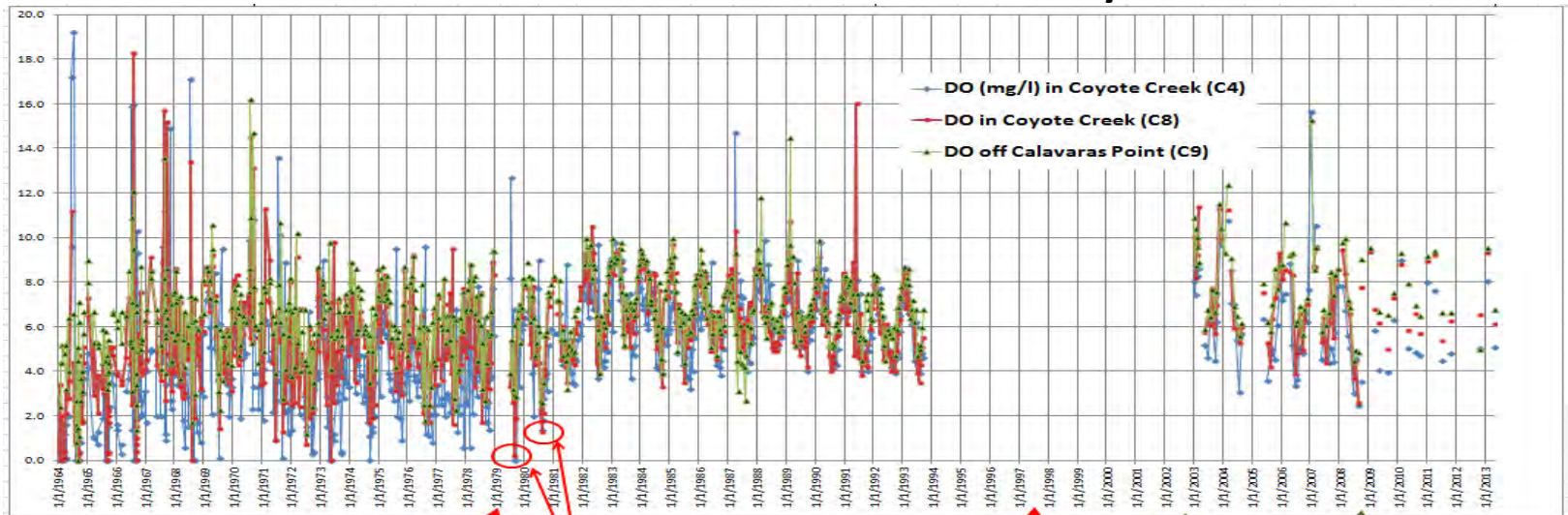


SJ/SC Final Effluent (Kg/d) - Phosphorous

Dissolved Oxygen



DO at three stations in Lower South Bay



1964 - 1993 sampling was conducted before and after high tide. Therefore samples tended to be collected at various random daylight hours.

All three LSB dischargers implement denitrification and/or filtration.

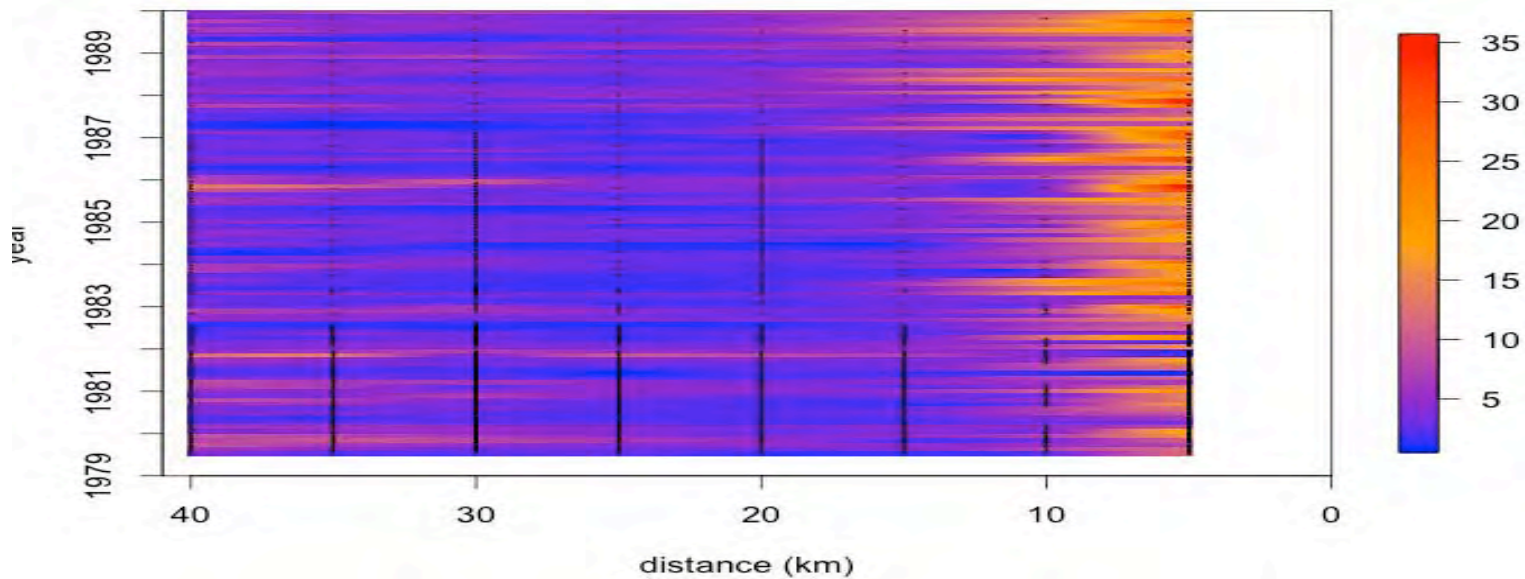
San Jose suffered huge bulking and bypass events in Aug/Sep 1979 and 1980.

San Jose implemented BNR process in July 1997.

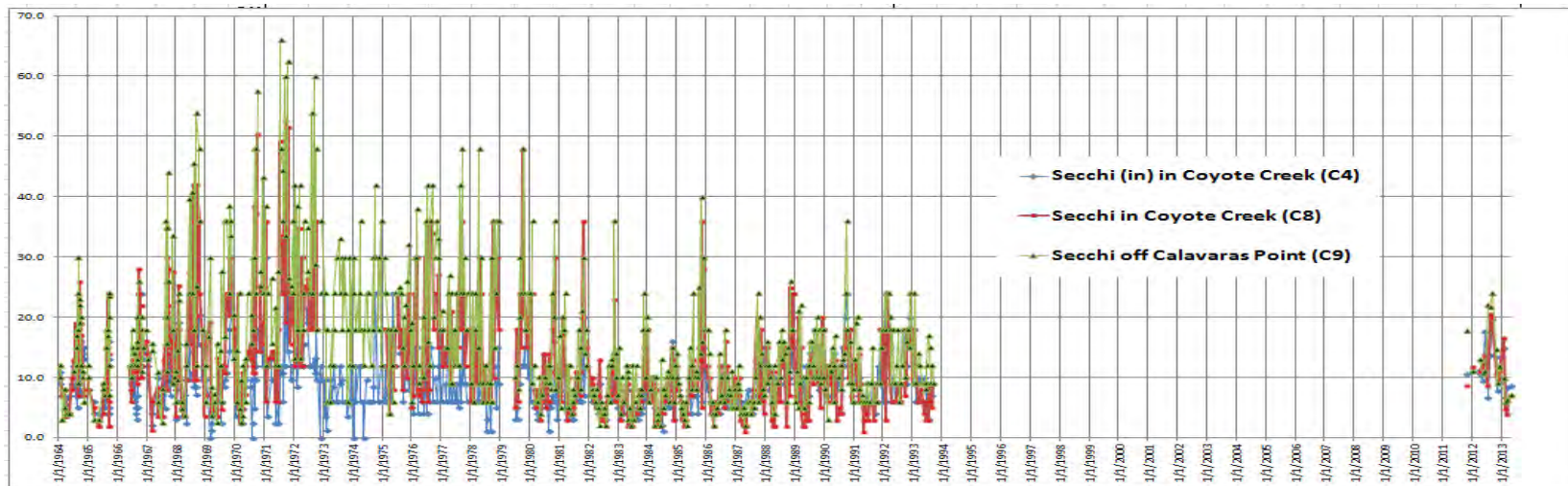
Almost all modern day sampling has been conducted in the early morning.

Monitoring frequency shifted from monthly to quarterly in late 2008

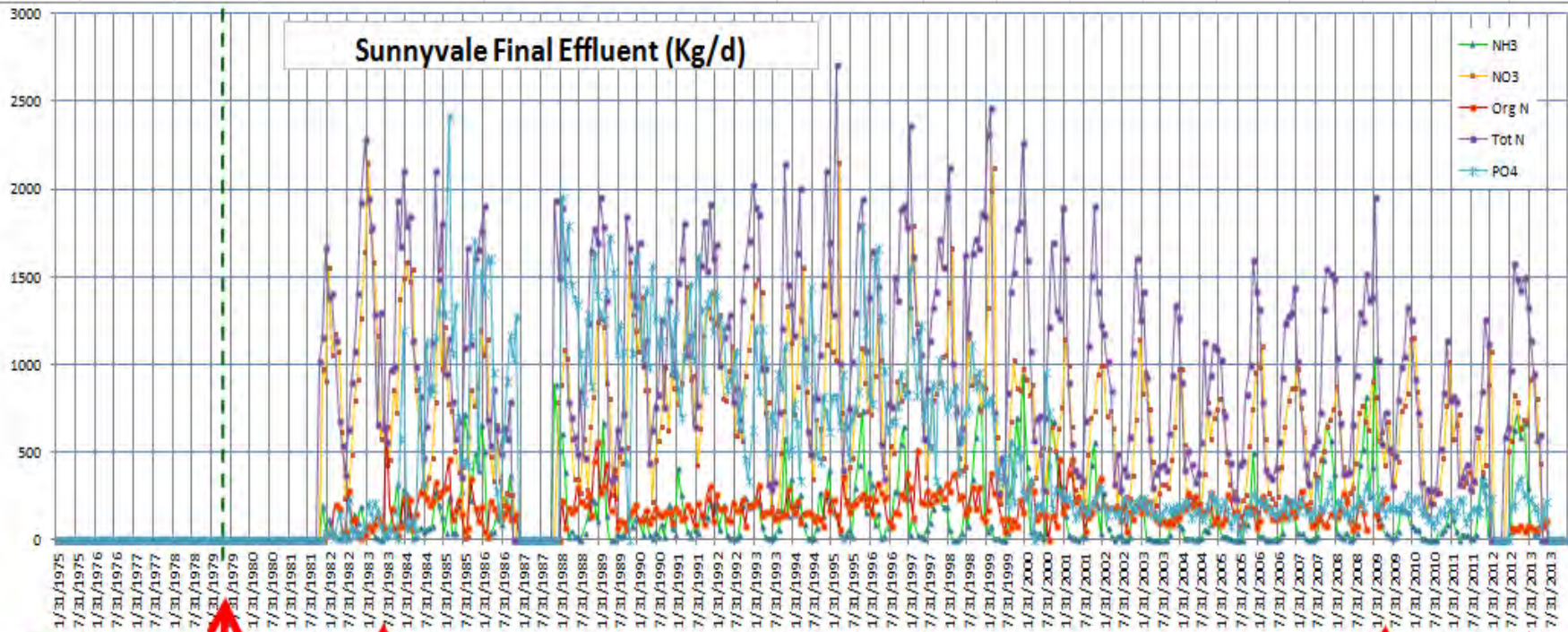
Secchi (cm)



Secchi at three stations in Lower Slough Bay



Sunnyvale



Feb 1979: San Jose implemented nitrification and filtration. NH₃ was converted to NO₃ in Plant.

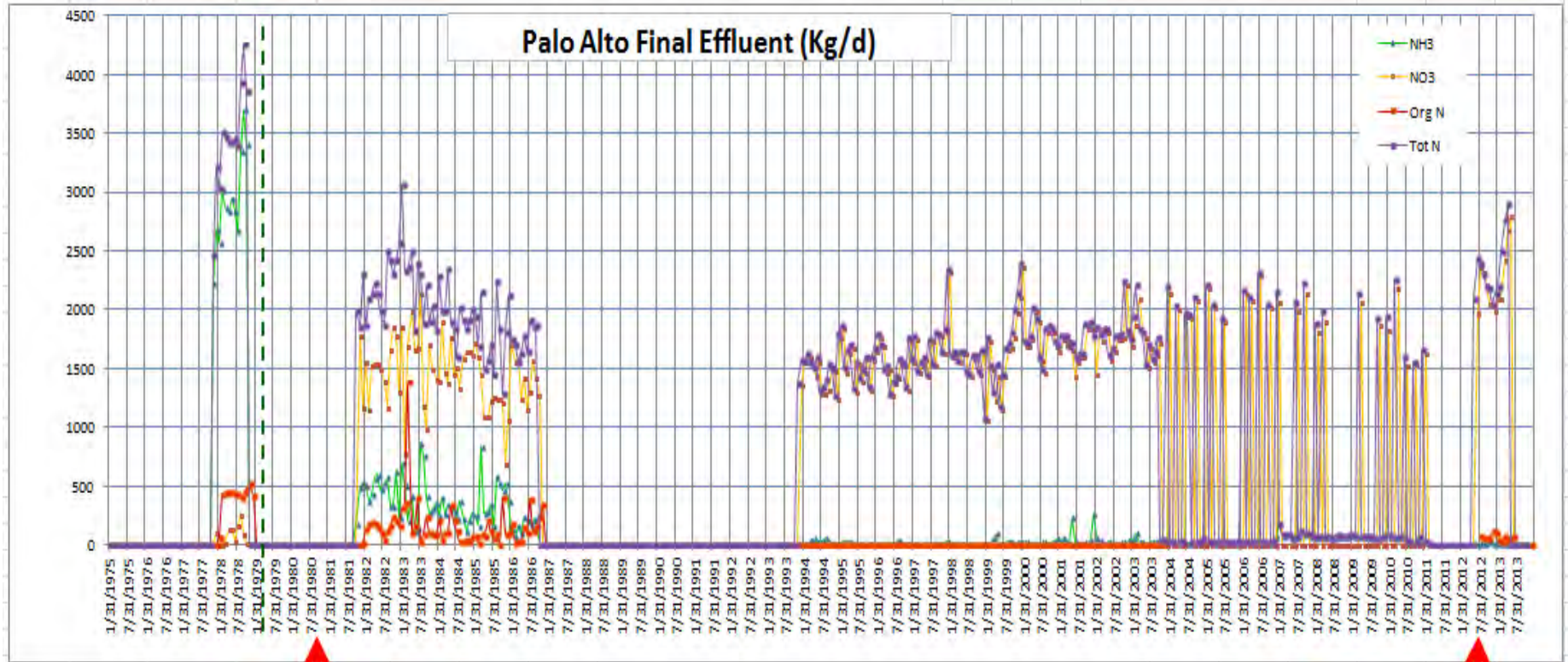
Sunnyvale advanced treatment facilities (nitrification towers and dual media filters) were completed in 1978 and were fully operational in 1979.

Sunnyvale expansion to 29.5 mgd was completed in 1983.

May 2009 to Jul 2012: ceased measuring organic N. (100 to 200 kg/d)

Sunnyvale now measuring N using nutrient 13267 parameters.

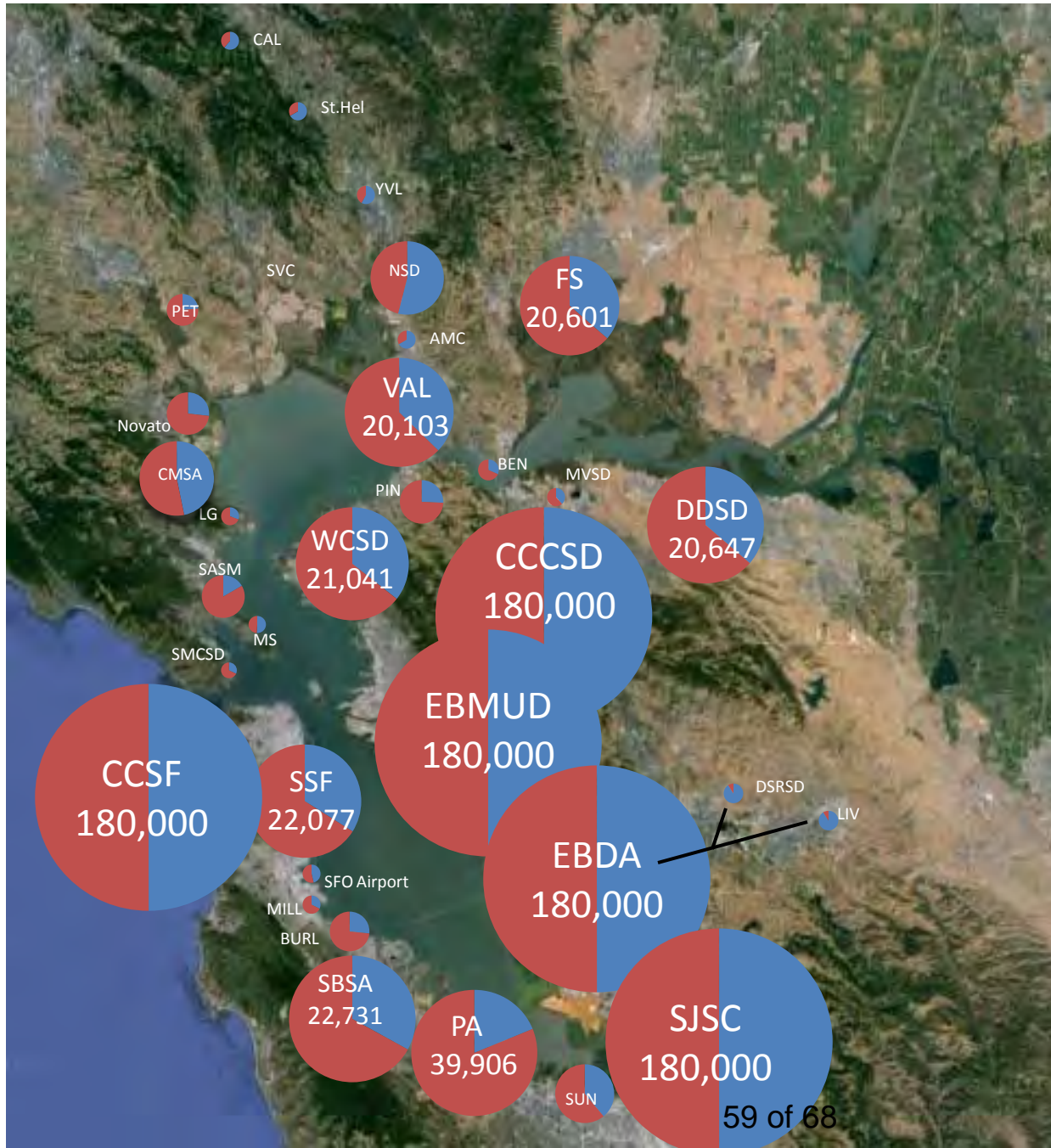
Palo Alto



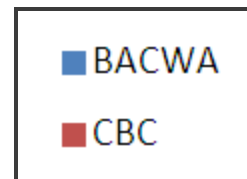
Palo Alto advanced treatment facilities (tower-type roughing filters and dual media filters) were completed in 1980.

July 2012: Palo Alto is now measuring N using nutrient 13267 parameters. This recommenced measurement of Organic N for first time since the 1980s.

BACWA and CBC Annual Dues from BACWA Agencies



Annual Dues	
<\$5,000	
\$5,000-\$10,000	
\$10,000-\$20,000	
\$20,000-\$40,000	
>\$40,000	



BACWA National and San Francisco Bay-Delta

Nutrient Treatment Technologies

Symposium

October 21, 2013

SPUR, 654 Mission St., San Francisco CA 94105

8:00 am to 4:00 pm

Symposium Synopsis:

- **Segment 1: Conventional Treatment Technologies:** How they can be adapted for nutrient reduction.
- **Segment 2: Optimization of Existing Facilities:** How to get the most out of your existing treatment processes to meet potential future nutrient requirements.
- **Segment 3: New Approaches, Technologies, and Research:** Overview of new technology developments, Bay-Area ReNUWI research update, and nutrient mining.
- **Segment 4: Bay-Delta Regional POTW Nutrient Activities Update:** Panel discussion and updates from local member agencies on current and planned studies/activities related to nutrient treatment.

Continental Breakfast (15 min – 8:00 am to 8:15 am)

8:15 am – Opening Remarks and Perspective (10 min – Dave Williams, BACWA Executive Director).

Symposium Overview and Format (5 min - Moderator David Jenkins, UC Berkeley)

A Framing Concept: “The Innovation of Process, and the Process of Innovation” (15 min – Denny Parker, Brown and Caldwell).

8:45 am - Segment 1 – Conventional Treatment Technologies and How they Adapt to Nutrient Reduction (8:45 am to 10:35 am)

1. Overview of Conventional Treatment Technologies (20 min – JB Neethling, HDR).
2. Suspended Growth Technologies and Nutrient Reduction (20 min. – James Barnard, B&V).
3. Biofilm Processes and “The Tale of Two Cities” (20 min – Denny Parker, Brown and Caldwell).
4. Wetlands, Natural Systems, and “Green Technologies” Alternatives (20 min – Bry’ Sarte, Sherwood Engineers).

Panel Discussion: (30 min. – Jenkins, Neethling, Barnard, Parker, Sarte).

10:35 am <Morning Break and Networking - 25 min (10:35 am to 11:00 am)>

11:00 am - Segment 2 – Optimization of Existing Facilities (11:00 am to 12:30 pm)

5. Unintended Consequences of BNR Conversion (i.e. sludge settling problems, foaming, struvite formation, and excessive energy use), and Process Optimization Solutions (20 min. – Alex Ekster, Ekster and Associates).
6. Side-Stream Treatment Technologies and Experience (20 min – Beverly Stinson, AECOM).
7. Split Treatment Strategies (20 min. – John Fraser, Carollo Engineers).

Panel Discussion: (25 min. – Ekster, Fraser, Stinson).

12:25 am < LUNCH - 35 min (12:25 pm to 1:00 pm)>

1:00 pm - Segment 3 – New Approaches, Technologies and Research (1:00 pm to 2:25 pm)

8. Overview of New and Emerging Technologies (e.g. CANDO, ANAMMOX, BIOMAG, Granular Sludge, etc.) (20 min. – Andre Gharagozian, Carollo Engineers).
9. ReNUWIt Research Highlights and Engineered Wetlands (20 min - David Sedlak, UCB).
10. Phosphorus Capture and Recovery (20 min – Steve Wirtel, Ostara).

Panel Discussion: (25 min. –Gharagozian, Sedlak, Wirtel).

2:25 pm <Afternoon Break and Networking - 35 min (2:25 pm to 2:50 pm)>

2:50 pm - Segment 4 – Bay-Delta Regional POTW Nutrient Activities Update (2:50 pm to 3:50 pm)

Panel discussion format from local member agencies on current and planned studies/activities related to nutrient treatment.

Panel Moderator: Jim Kelly

- Mike Conner - EBDA
- Jim Ervin – SJ/SC Wastewater Treatment Plant.
- Ben Horenstein – EBMUD.
- Karen Kubick – SFPUC Wastewater Enterprise
- Prabhakar Somavarapu - Sacramento Regional County Sanitation District.
- Curt Swanson – Central Contra Costa Sanitary District.

Closing Comments (10 min – Dave Williams)

MERCURY/PCB RISK REDUCTION OPPORTUNITIES UPDATE

September 26, 2013 BACWA Board meeting

BACWA Lead: Lorien Fono

SUMMARY

The 2013 Mercury/PCB watershed permit requires participation in risk reduction programs as follows:

Dischargers shall continue to implement and participate in programs to reduce mercury and PCB-related risks to humans from consumption of San Francisco Bay/Delta fish. This requirement may be satisfied by a combination of related efforts through the Regional Monitoring Program or other similar collaborative efforts. Dischargers shall describe the progress of their efforts in the Annual Self-Monitoring Report. Alternatively, the Bay Area Clean Water Agencies (BACWA) may fulfill the annual reporting requirement by providing a summary of annual risk reduction program efforts for agencies that choose to participate through BACWA.

In the last permit term, Amy Chastain put in a lot of effort to identify an entity to fund to comply with the risk reduction permit provision. At that time, there was work ongoing at DPH on education (informed by science developed by ASC/SFEI), so BACWA provided funding to that existing program. In the last few years, DPH has lost its funding and staffing to lead these efforts. Therefore, there is no existing entity to fund and BACWA's only apparent option to proceed independently is to develop a BACWA-managed grant program that funds community groups directly.

The risk reduction effort in the San Francisco Bay Delta region is getting started. Stakeholders in the Delta have indicated willingness for Region 2 and BACWA to join their process and leverage the resources they are supplying. The Delta process hinges on funding a program manager to oversee a 5-year project whose details have yet to be determined. Region 2 Water Board staff are encouraging this collaboration.

A conference call with Region 2, Region 5, CDPH and BACWA will be held the week of October 7 to discuss ways that BACWA might participate in the Delta effort. RPM will report back at the next Executive Board Meeting.

SUPPORTING MATERIAL

The documents related to the CDPH's risk reduction report from the previous permit are viewable here:

<https://bacwa.box.com/s/hurlfsb4c6eezlpjnhvx>

August 2013 DRAFT Delta Mercury Exposure Reduction Program Workplan:

www.waterboards.ca.gov/rwqcb5/water_issues/tmdl/central_valley_projects/delta_hg/hg_exposure_reduction/2013_aug30_merp_wrkpln_draft.pdf

Arleen Navarret Biennial Award

Proposed Timeline for 2014 Award

October 15, 2013 – Distribute Notification to BACWA Member Agencies to Submit Nominations/Applications

November 15, 2013 – Deadline to Submit Application

November 16 – December 15, 2013 – Selection Panel Evaluation of Candidates

December 20, 2013 – Notify Candidates and BACWA Board of Selection Panel's Decision

January 30th, 2014 BACWA Annual Members' Meeting – Present Award to Recipient

Proposed Outreach to Solicit Applications/Nominations

- 1) BACWA E-newsletter
- 2) BACWA Website Posting
- 3) E-mail Distribution Lists for Committees
- 4) BACWA Member E-mail Distribution List
- 5) Announcements at Committee Meetings

Proposed Selection Panel Members

- 1) BACWA Executive Board Representative (Board member should not be from an agency where a nomination has been submitted).
- 2) Last Recipient of Award (2012, Rosey Jencks, SFPUC)
- 3) BACWA Member Agency Representative

Note: Final composition of panel may be dependent upon applications received, to avoid potential conflicts of interest.

Reference Materials Attached:

- 1) Guidelines Approved by BACWA on March 24, 2011
- 2) 2012 Application/Nomination Form
- 3) 2012 Evaluation Form



BACWA EXECUTIVE BOARD ACTION REQUEST

AGENDA NO.: 11

FILE NO.: 12,315

MEETING DATE: March 24, 2011

TITLE: Guidelines for Implementation of the Arleen Navarret Leadership Award

MOTION _____ **RESOLUTION** _____

RECOMMENDED ACTION

Approve the guidelines for eligibility and administration of the Arleen Navarret Leadership Award.

SUMMARY

On December 16, 2010 the BACWA Executive Board approved a resolution establishing the Arleen Navarret Leadership Award in honor of former Board member and San Francisco Public Utilities Commission (SFPUC) employee Arleen Navarret. The Executive Director solicited input from various Board representatives and SFPUC employees to develop the following guidelines for administration of the award, the first of which will be presented in January 2012.

Purpose: To recognize and encourage emerging leaders in the BACWA community who exhibit the characteristics possessed by former BACWA Chair, Arleen Navarret:

- Leadership in the workplace and wastewater community
- Commitment to environmental protection
- Mentorship of and compassion for others
- Technical expertise
- Ability to communicate effectively with myriad people
- Exemplary public service

Eligibility: All current employees of BACWA member agencies are eligible for this award.

Nominations: Any current employee of a BACWA member agency may nominate any employee of any BACWA member agency.

Selection: A committee of no more than five members comprised of the BACWA Executive Director, SFPUC and other designated BACWA representatives shall review nominations and select the awardee. No more than two BACWA Board members shall serve on this committee.

Award: The awardee shall receive \$1,000 to be applied to a professional development opportunity related to leadership, environmental protection, or technical skills development. The award shall be presented biennially at the BACWA Annual Meeting.

FISCAL IMPACT

This action will not have any fiscal impact for the current year, but will require \$1,000 in the Fiscal Year 2011-2012.

ALTERNATIVES

This action does not require consideration of alternatives.

Submitted: Amy Chastain

Executive Director Approval: /s/ Amy Chastain

**Bay Area Clean Water Agencies Arleen Navarret Leadership Award
Nomination Form**

Name: _____

E-mail: _____

Agency: _____

Phone: _____

What is it?

This is an award honoring emerging leaders in the BACWA community exhibiting characteristics possessed by former BACWA Chair, Arleen Navarret:

- Leadership in the workplace and wastewater community
- Commitment to environmental protection
- Mentorship of and compassion for others
- Tech expertise
- Ability to communicate effectively w/ myriad of people
- Exemplary public service.

Who is eligible?

Only current employees of BACWA member agencies may apply.

How to apply

Applicants may nominate themselves, or be nominated by their colleagues.

Applications must include:

1. Completed Nomination Form
2. Individual Narrative (in the following format)
 - a. nominee name at the top of each page
 - b. no more than 2 pages of double-spaced, 12 point font
 - c. concise introductory paragraph describing who the individual is and why they are being nominated
 - d. subsequent paragraphs that address
 - i. specific work or activities of the nominee that meet the one or more of the following criteria for the award: leadership; environmental protection; mentorship; tech expertise; effective communication; public service
 - ii. the specific opportunity to which the award could be applied and how it would benefit the awardee in their professional development related to one or more of the following: leadership; environmental protection; tech skills development
 - e. concluding paragraph describing how this individual has or has the potential to positively impact and contribute to the wastewater community.

Deadline and Selection

Applications are due by November 15, 2011 and should be submitted by e-mail as an attachment to achastain@bacwa.org. The winner will be selected by the Award Committee and the award will be presented to the recipient at the BACWA Annual meeting on January 26, 2012.

**Bay Area Clean Water Agencies Arleen Navarret Leadership Award
Candidate Evaluation Form**

Candidate Name: _____

Current Employee of BACWA Member Agency? (yes or no) _____

<i>Criteria</i>	<i>Rating: 1 -5 1 (lowest) 5 (highest)</i>	<i>Comments</i>
Leadership in the workplace and wastewater community		
Mentorship of and compassion for others		
Commitment to environmental protection		
Technical expertise		
Ability to communicate effectively with a myriad of people		
Exemplary public service		
Value of professional development to be funded by award money		

Rating Total: _____

Additional Comments:



B A C W A
BAY AREA
CLEAN WATER
AGENCIES

Members Meeting

Thursday, January 24, 2013, 8:00 a.m. – 12:00 p.m.
California Endowment Conference Facility, 7th Floor, Laurel Room
1111 Broadway, Oakland, CA

- 8:00 a.m. – 8:30 a.m. Coffee and Refreshments**
- 8:30 a.m. – 8:50 a.m. Welcome**
– Introduction
Laura Pagano, BACWA Executive Board Vice-Chair
– Year in Review
Jim Kelly, BACWA Interim Executive Director
- 8:50 a.m. – 9:30 a.m. Regulatory Update**
Moderator – *James Ervin, City of San Jose*
– Mercury & PCB Watershed Permit Renewal
Lorien Fono, BACWA Regulatory Program Manager
– TST & WET Policy
James Ervin, City of San Jose
– SWRCB WDR for Collection Systems
Monica Oakley, RMC Water and Environment
- 9:30 a.m. – 10:20 a.m. SWRCB, RWQCB, & Baykeeper Priorities**
Moderator – *Laura Pagano, BACWA Vice-Chair*
Frances Spivy-Weber, State Water Resources Control Board
Bruce Wolfe, Executive Officer, SF Bay Water Board
Deb Self, Executive Director, Baykeeper
- 10:20 a.m. – 11:20 a.m. Nutrients – What is happening in the San Francisco Bay**
Moderator – *Jim Kelly, BACWA Interim Executive Director*
– US Environmental Protection Agency Perspective on SF Bay
Terry Fleming, Region IX EPA
– San Francisco Bay Regional Water Board Perspective
Naomi Feger, SF Bay Water Board
– Nutrients 101: Framing the Issue for Boards and Councils
Amanda Roa, Delta Diablo Sanitation District
– Bay Area Nutrient Strategy
David Senn, San Francisco Estuary Institute
– Considerations of an Alternative Regulatory Framework
Tom Grovhoug, Larry Walker Associates
- 11:20 a.m. – 11:45 a.m. Nutrient Removal Technologies**
– Survey of Nutrient Technologies and Considerations
Don Gray, East Bay Municipal Utility District
- 11:45 a.m. – 12:00 p.m. Wrap up**