



**CONTRA COSTA  
CLEAN WATER  
PROGRAM**

**MANAGEMENT COMMITTEE MEETING AGENDA  
Wednesday, August 16, 2017, 1:30 p.m.  
255 Glacier Drive, Martinez, CA, Conference Room "A"**

City of Antioch:	Phil Hoffmeister / Lynne Filson
City of Brentwood:	Jagtar Dhaliwal / Meghan Laporta
City of Clayton:	Laura Hoffmeister / Mindy Gentry / Rick Angrisani
City of Concord:	Robert Ovadia / Kevin Marstall / Frank Kennedy
Town of Danville:	Chris McCann <b>(Chair)</b> / Steve Lake
City of El Cerrito:	Stephen Prée / Will Provost / Yvetteh Ortiz / Maria Sanders
City of Hercules:	Mike Roberts / Jeff Brown / Jose Pacheco / Frank Kennedy
City of Lafayette:	Donna Feehan <b>(Vice-Chair)</b> / Mike Moran
City of Martinez:	Tim Tucker / Khalil Yowakim
Town of Moraga:	Edric Kwan / Frank Kennedy
City of Oakley:	Billilee Saengchalern / Keith Coggins / Frank Kennedy
City of Orinda:	Larry Theis / Jason Chen
City of Pinole:	Tamara Miller / Frank Kennedy / Michelle Fitzer
City of Pittsburg:	Jolan Longway / Fritz McKinley
City of Pleasant Hill:	Frank Kennedy / Mario Moreno
City of Richmond:	Joanne Le / Ryan Smith
City of San Pablo:	Amanda Booth / Karineh Samkian / Barbara Hawkins
City of San Ramon:	Steven Spedowski / Robin Bartlett / Maria Fierner
City of Walnut Creek:	Rinta Perkins / Carlton Thompson / Steve Waymire
Contra Costa County:	Cece Sellgren / Mike Carlson / Julie Bueren
CCC Flood Control & Water Conservation District:	Mike Carlson / Tim Jensen

**PLEASE MARK YOUR CALENDAR NOW**

**Next Management Committee Meeting:  
Wednesday, September 20, 2017 1:30 p.m.  
255 Glacier Drive, Martinez, Conference Room A**

The Contra Costa Clean Water Program will provide reasonable accommodations for persons with disabilities that are planning to participate in Management Committee meetings.  
Contact Erica Lashley-Cornell at least 48 hours before the meeting at (925) 313-2360

**CONTRA COSTA CLEAN WATER PROGRAM  
Management Committee Meeting Agenda  
August 16, 2017**

**AGENDA**

---

**Introductions/Announcements/Changes to Agenda** 15 min. Start by: 1:30 pm

**Public Comments:** Any member of the general public may address the Management Committee on a subject within their jurisdiction and not listed on the agenda. Remarks should not exceed three (3) minutes.

**Regional Water Quality Control Board Staff Comments/Reports:** 10 min. 1:45 pm

- A. Selina Louie – San Francisco Bay
- B. Elizabeth Lee – Central Valley

**Consent Calendar:** All matters listed under the CONSENT CALENDAR are considered to be routine and can be acted on by one motion. There will be no separate discussion of these items unless requested by a member of the Management Committee or a member of the public prior to the time the Management Committee votes on the motion to adopt. 05 min. 1:55 pm

- A. Management Committee Meeting Minutes – Date July 19, 2017 (Rachel Kraai)

**Presentations:**

None

**Action:**

- A. AFFIRM the Administrative Committee's Decision to Retain Adèle Ho to Serve as the CCCWP Interim Program Manager (Mike Carlson/Rachel Kraai) 10 min. 2:00 pm

**Reports:**

- A. Personnel Update (Rachel Kraai) 15 min. 2:10 pm
- B. General Annual Report Update (Rachel Kraai) 10 min. 2:25 pm
- C. Program Annual Report Update: Sections C.11./C.12 (Lucile Paquette) 10 min. 2:35 pm
- D. Update on the Receiving Water Monitoring Program Plan for Trash (Beth Baldwin) 15 min. 2:45 pm

E. Update on the Contra Costa Watersheds Stormwater Resource Plan Project (Rachel Kraai) 10 min. 3:00 pm

**Information Item**

A. Summary of New MRP Mandates to be Implemented in FY 17/18 (Dan Cloak) 5 min. 3:10 pm

**Old/New Business:** 10 min. 3:15 pm

**Adjournment:** Approximately 3:25 p.m.

### UPCOMING EVENTS and/or DEADLINES

<b>August 25, 2017</b>	Permittee C.11 and C.12 Annual Report Sections Due to the Program
<b>August 31, 2017</b>	Submit Final Municipal Annual Report as a single PDF file to Erica Lashley-Cornell <a href="mailto:Erica.Lashley-Cornell@pw.cccounty.us">Erica.Lashley-Cornell@pw.cccounty.us</a> or upload to Groupsite.
<b>Sept. 25-27, 2017</b>	13 <sup>th</sup> Annual CASQA Conference, Sacramento. For more information visit <a href="https://www.casqa.org/events/annual-conference">https://www.casqa.org/events/annual-conference</a> .
<b>September 30, 2017</b>	Report on Corporation Yard BMP Implementation and Maintenance: Permittees shall list site specific BMPs; date and result of inspections; and, any follow-up actions, including date of necessary corrective actions implemented in the 2017 Annual Report. See Provision C.2.f.iii.(2) for further details.
<b>September 30, 2017</b>	C.3 Regulated Projects Grandfathering: Permittees shall provide complete list of development projects subject to C.3.b.i.(2) in the 2017 Annual Report. For each such project, specify the type of treatment system required or the specific exemption granted. Permittee must state if there are no projects subject to C.3.b.i.(2). (See Staff Report E in the February 17, 2016 Management Committee agenda packet for further details.)
<b>September 30, 2017</b>	Green Infrastructure (GI) Planning and Implementation: Each Permittee shall submit documentation with its 2017 Annual Report that its GI framework or workplan for development of GI Plan was approved by its governing body, mayor, city manager, or county manager by June 30, 2017. See Provision C.3.j.i.(5)(a) for further details.
<b>September 30, 2017 or sooner</b>	Trash Load Reduction: If a Permittee cannot demonstrate attainment of the 70% mandatory trash load reduction by July 1, 2017, then it shall submit a report of non-compliance with the 2017 Annual Report, or in advance of the Annual Report, that describes actions to comply in a timely manner. (See Provision C.10.f.v.b. for further details on the required report of non-compliance.)
<b>September 30, 2017</b>	Each Permittee seeking exemption from C.12.f. (i.e., requirement to implement a protocol to manage PCB-containing materials and waste during building demolition by July 1, 2019), must submit in their 2017 Annual Report documentation, such as historic maps or other historic records, that clearly demonstrates that the only structures that existed pre-1980 within its jurisdiction were single family residential and/or wood frame structures.
<b>October 15, 2017</b>	Pollutants of Concern - Accomplishments and Allocations Report Due to SFBRWQCB
<b>Nov. 6-9, 2017</b>	Operation & Maintenance of Stormwater Control Measures Conference, Denver, CO. For more information visit <a href="http://www.omswconference.org/">http://www.omswconference.org/</a>

## FUTURE PROGRAM COMMITTEE MEETINGS

All meetings held at 220 A Glacier Drive, Martinez, Except for Management Committee which will be held at 255 Glacier Drive, Martinez, Conference Room A.

<b>Aug 23</b> 4 <sup>th</sup> Wednesday	Public Information / Participation (PIP) Committee Meeting, <b>10:00 a.m. – 12:00 noon</b>
<b>Aug 30</b> 4 <sup>th</sup> Wednesday	Development Committee (DC) Meeting, <b>1:30 p.m. – 3:30 p.m.</b>
<b>Sept 5</b> 1 <sup>st</sup> Tuesday	Administrative Committee (AC) Meeting <b>9:30 a.m. – 12:00 noon</b>
<b>Sept 11</b> 2 <sup>nd</sup> Monday	Monitoring Committee (MonC) Meeting, <b>10:00 a.m. – 12:00 noon</b>
<b>Sept 12</b>	Municipal Operations Committee (MOC) Meeting, <b>10:00 a.m. – 12:00 noon</b>
<b>Sept 20</b> 3 <sup>rd</sup> Wednesday	Management Committee (MC) Meeting, <b>1:30 p.m. – 4:30 p.m.</b>

## MONTHLY BASMAA SUBCOMMITTEE MEETINGS

Times and locations for the BASMAA Subcommittee meetings are subject to change.

Development Committee, 1:30 – 4:00 p.m. (1 <sup>st</sup> Tuesday during odd months while MRP Steering Committee is meeting)	1 <sup>st</sup> Thursday
Monitoring/POCs Committee, 9:30 a.m. – 3:00 p.m.	1 <sup>st</sup> Wednesday
Public Information/Participation Committee, 1:30 – 4:00 p.m.	4 <sup>th</sup> Wednesday
Trash Subcommittee, 9:30 a.m.-12 noon	4 <sup>th</sup> Tuesday



**MANAGEMENT COMMITTEE MEETING MINUTES  
July 19, 2017**

Attendance:

<b>MUNICIPALITY</b>	<b>ATTENDED</b>	<b>ABSENT</b>
City of Antioch	Phil Hoffmeister	
City of Brentwood	Meghan Laporta	
City of Clayton	Laura Hoffmeister	
City of Concord	Robert Ovadia	
Town of Danville	Chris McCann <b>(Chair)</b>	
City of El Cerrito	Will Provost	
City of Hercules	Frank Kennedy	
City of Lafayette	Donna Feehan <b>(Vice-Chair)</b>	
City of Martinez	Khalil Yowakim	
Town of Moraga	Frank Kennedy	
City of Oakley	Billilee Saengchalern	
City of Orinda	Jason Chen	
City of Pinole	Frank Kennedy	
City of Pittsburg	Jolan Longway	
City of Pleasant Hill	Frank Kennedy	
City of Richmond	Joanne Le	
City of San Pablo		Amanda Booth / Karineh Samkian / Barbara Hawkins
City of San Ramon	Steven Spedowski	
City of Walnut Creek	Rinta Perkins	
Contra Costa County	Cece Sellgren	
Contra Costa County Flood Control & Water Conservation District	Mike Carlson	

Program Staff: Rachel Kraai, Beth Baldwin, Lucile Paquette, Erica Lashley-Cornell, Hsuan-Wen Chu  
 Program Consultants: Dan Cloak

**MEMBERS OF THE PUBLIC/ OTHERS/GUESTS:** Allison Candell (City of Danville), Michele Mancuso (Contra Costa County), Adele Ho

1. **Introductions/Announcements/Changes to Agenda:** Chair Chris McCann opened the meeting at 1:28 p.m. Following self-introductions, she asked if there were any



announcements.

Rachel Kraai introduced Program Intern Hsuan-Wen Chu to Committee members. He will assist with several GIS-related projects as well as the Stormwater Resource Plan. Kraai also informed the Committee that she made a formal request to the Central Valley Regional Water Quality Control Board to move the annual report deadline from September 15 to September 30 to align with the annual report deadline for the San Francisco Bay Regional Water Quality Control Board.

Beth Baldwin told the Committee that the San Francisco Bay Regional Water Quality Control Board's (Water Board) comments on the C.9 section of last year's annual report have been posted to Groupsite. She reported that the County IPM Coordinator Tanya Drlik has offered to meet with anyone who was listed as non-compliant or possibly non-compliant and who needs assistance with their program or 16/17 reporting. She also informed the Committee that she has sent all ArcGIS trash capture data to Permittees. She requested that they double check the data for accuracy.

2. **Public Comments:** There were no comments from members of the public.
3. **Regional Board Staff Comments/Reports:** Regional Board representatives were not in attendance.
4. **Consent Calendar:**

June 21 & June 28, 2017 Management Committee Meeting Minutes

Moved/Seconded (L. Hoffmeister/Kennedy) to approve the Consent Calendar. Motion Carried.

Ayes: 20 (Cities/Towns of Antioch, Brentwood, Clayton, Concord, Danville, El Cerrito, Hercules, Lafayette, Martinez, Moraga, Oakley, Orinda, Pinole, Pittsburg, Pleasant Hill, Richmond, San Ramon, Walnut Creek, Contra Costa County, Contra Costa County Flood Control and Water Conservation District)

Noes: None

Absent: San Pablo

Abstain: None

5. **Presentations:**



- A. **Publication of the *Stormwater C.3 Guidebook, 7<sup>th</sup> Edition*:** Dan Cloak delivered his PowerPoint presentation on the latest edition of the guidebook. He reviewed the differences between the sixth and seventh editions. He noted that one of the major changes to the document is updated graphics generated by Restoration Design Group. Cloak also discussed changes which will be needed in the eighth edition of the guidebook following upcoming submission of the Hydromodification Technical Report to the Regional Board.
- B. **Program Annual Report Sections C.11./C.12:** Lucile Paquette thanked Permittees for entering their project data into the GIS tracking tool for TMDL load reductions. She gave an update on the GIS tracking tool and the upcoming annual report deadlines. She stated that she is working with the Program consultants to fix flaws in the tracking tool's reporting system. She reported that individual municipal report templates will be sent to Permittee's for their review and input during the week of August 24.

Paquette also gave an update on feedback received from Regional Board staff on the Watershed Management Area reports in last year's annual report. Questions were asked and answered.

6. **Actions:**

**None**

7. **Reports:**

- A. **Staff Recruitment Status and Augmentation Strategy:** Kraai gave an update on the Program Manager position recruitment and the Steering Committee's work. She stated that Mitch Avalon is working with the Steering Committee to investigate options for temporarily filling the vacant position. The Committee has investigated numerous options and has made the decision to move forward with three of them in the following order: soliciting qualified recent retirees, investigating job-share with Permittee agencies, and distribution of an RFP to consultant firms. She reported that Avalon has already reached out to several qualified retirees to determine interest in temporarily filling the role. Kraai also gave a brief update on other staff recruitment efforts, including the search for an Administrative Analyst. Kraai reviewed the recommendations listed in the staff report:

- Kraai requested that Committee members: (1) CONFIRM membership of the Steering Committee and their role, (2) AUTHORIZE the Administrative Committee to approve contracts for additional staff resources and request the County execute the contracts, and (3) AUTHORIZE the Steering Committee to explore procuring additional staff resources for the GIS project and the Administrative Analyst role if necessary.

Moved/Seconded (L. Hoffmeister/Provost) to confirm membership of the Steering Committee and their role, authorize the Administrative Committee to approve contracts for additional





CONTRA COSTA  
CLEAN WATER  
PROGRAM

staff resources and request the County execute the contracts, and authorize the Steering Committee to explore procuring additional staff resources for the GIS project and the Administrative Analyst role if necessary. Motion Carried.

- B. **Hydromodification Applicability Maps – Update:** Cloak gave Committee members an update on the status of the Hydromodification Management (HM) Applicability Map project. He reviewed the requirements mandating the development of the maps, and discussed the process for Permittees to submit comments and changes to the draft maps. He noted that the completed maps must be submitted to the Regional Board prior to the September 30 deadline. Questions were asked and answered.
- C. **Hydromodification Management Technical Report – Update:** Cloak gave members an update on the analysis and report. He reviewed the history and current status of the work, and noted that the document must be submitted to the Water Board by September 30. He reported that the project team has a meeting scheduled with Water Board staff on July 20. At that meeting the team hopes to get direction on the sizing factors. Cloak and Kraai discussed risks to the schedule if the project team and Water Board are unable to come to rapid consensus on sizing factors.
- D. **Stormwater Resource Plan Update:** Kraai gave Committee members an update on the development of the Plan. She noted that the consultant team has been making rapid progress on a number of early deliverables. She discussed the relationship of the permit's Reasonable Assurance Analysis (RAA) requirement to the SWRP modeling process, and indicated that the consultant team is investigating options for setting up the SWRP modeling process so that it can be used and built upon during the RAA process. She stressed that Committee members should be documenting their staff time spent on the project and indicated that they should send documentation of their in-kind work on the project to Finance staff Shirley Lau by the end of the week. Questions were asked and answered.

8. **Information Items:**

- A. **Program Subcommittee Draft Meeting Minutes**
  - 1. **Monitoring Committee Meeting Minutes February 13 & May 8, 2017**
  - 2. **Public Information/Participation Committee Meeting Minutes April 26 & May 24, 2017**

9. **Old/New Business:** Baldwin informed the Committee that she will be holding group inspection program meetings with Permittees that participate in that program. She will be scheduling some meetings via conference call to save time.

10. **Adjournment:** Chair McCann adjourned the meeting at 3:58 p.m.



CONTRA COSTA  
**CLEAN WATER**  
P R O G R A M

RK:elc

G:\NPDES\Management Committee\Minutes&Attendance\17 18\MC Minutes 2017-07-19 draft.docx



**Date:** August 16, 2017

**To:** Management Committee

**From:** Mike Carlson, Deputy Director, Contra Costa County Public Works  
Rachel Kraai, Senior Watershed Management Planning Specialist

**Subject:** Action Item A - AFFIRM the Administrative Committee's Decision to Retain Adèle Ho to Serve as the Contra Costa Clean Water Program Interim Program Manager

---

**Recommendation:**

AFFIRM the Administrative Committee's Decision to Retain Adèle Ho to Serve as the Contra Costa Clean Water Program Interim Program Manager for a cost not to exceed \$150,000.

**Background:**

In May of this year, the Management Committee formed a Steering Committee to address issues associated with the retirement of the Program Manager; this was necessary as the County's solicitation process to fill the Program Manager position had not been successful to date. The County will be conducting another solicitation process for the Program Manager position, this time with an increased salary, but it will take some time. With Program staff reduced by 40% excluding part-time clerical staff, the Management Committee directed the Steering Committee to investigate, prioritize, and implement options for hiring an Interim Program Manager. One of the options including hiring a qualified recent retiree with relevant experience for an interim period of 6-9 months.

The Steering Committee consists of Rinta Perkins, Robert Ovadia, Donna Feehan, Chris McCann, Steven Spedowski, Mike Carlson, and Rachel Kraai. Mitch Avalon is organizing and facilitating the Steering Committee meetings.

**Discussion:**

The Steering Committee interviewed qualified retirees with water resource, watershed planning, or stormwater pollution prevention experience for the Interim Program Manager position in late July. The Committee selected Adèle Ho for recommendation to the Administrative Committee. Ms. Ho has extensive

experience working on stormwater management issues in Contra Costa County, including working as the Public Works Director for the City of San Pablo and serving on the Contra Costa Clean Water Program Management Committee for many years. At its August Meeting the Administrative Committee approved the hiring of Adèle Ho to serve as the Interim Program Manager for a cost not to exceed \$150,000.

The Administrative Committee requests that the Management Committee affirm the Administrative Committee's decision to retain Adèle Ho to serve as the Contra Costa Clean Water Program Interim Program Manager for a cost not to exceed \$150,000.

**Fiscal Impact:**

The approved FY 16/17 and FY 17/18 Program Budgets include the fully burdened salary of a Program Manager. It is anticipated that the cost of the part-time Interim Program Manager will not exceed the budgeted cost for a Program Manager. Program staff will provide an analysis of available resources and anticipated costs to the Administrative Committee at an upcoming meeting.

**Attachments:**

None.

RK:AH.elc

G:\NPDES\Management Committee\Packet\17 18\Shells\Rachel\2017-08\Action Item A\_AFFIRM Adele Ho as Interim Program Manager\_8.11.17 .docx



**Date:** August 16, 2017

**To:** Management Committee

**From:** Rachel Kraai, Senior Watershed Management Planning Specialist

**Subject:** Staff Report A – Personnel Update

---

**Recommendation**

Receive an update on the recruitment status of the Permanent Program Manager and Administrative Analyst positions.

**Background**

The Contra Costa Clean Water Program is currently understaffed due to the retirements of the Program Manager and Administrative Analyst in March 2017 and May 2017 respectively. Program staff and Contra Costa County Human Resources staff have been diligently working to fill the positions.

**Discussion**

At the August Meeting, Program staff will give the Management Committee an update on the status of recruitment for the Permanent Program Manager and Administrative Analyst positions.

**Fiscal Impact:**

None.

**Attachment(s):**

None.

RK:elc



**Date:** August 16, 2017

**To:** Management Committee

**From:** Rachel Kraai, Senior Watershed Management Planning Specialist

**Subject:** Staff Report B – General Annual Report Update

---

**Recommendation**

Receive an update on the development of the FY 16/17 Annual Report.

**Discussion**

At the August Meeting, Program staff will give the Management Committee an update on the development of the FY 16/17 Annual Report. Program staff will discuss upcoming deadlines as well as progress on requirements including the Hydromodification Management Technical Report and the Hydromodification Management Applicability Maps.

**Fiscal Impact:**

None.

**Attachment(s):**

None.

RK:elc

G:\NPDES\Management Committee\Packet\17 18\Shells\Rachel\2017-08\Staff Report B\_General Annual Report Update.docx



**Date:** August 16, 2017

**To:** Management Committee

**From:** Lucile Paquette, Watershed Management Planning Specialist

**Subject:** Staff Report C - Program Annual Report Update: Sections C.11./C.12

---

### **Recommendation**

Receive update reviewing the latest Fiscal Year (FY) 2016/17 Program Annual Report Sections for Provisions C.11./C.12. Permittees should have updated their Watershed Management Area (WMA) report sections for the Program Annual Report and finalized all C.3 project data entry in the C.3 Tracking AGOL tool. Updates will include detail about enhanced operations and maintenance work, and PCB/Hg load reduction estimates.

### **Background**

Under MRP Provision C.11/C.12.a.ii.(1), Permittees were required to:

*Identify the watersheds or portions of watersheds (management areas) in which PCBs control measures are currently being implemented and those in which new control measures will be implemented during the term of this permit;*

MRP Provision C.11/C.12.a.iii. (2) requires:

- (2) The Permittees shall report in their 2016 Annual Report the list of watersheds and management areas where control measures are currently being implemented or will be implemented during the term of the Permit (C.12.a.ii(1)) along with the specific control measures (C.12.a.ii(2)) that are currently being implemented and those that will be implemented in these watersheds and management areas and an implementation schedule (C.12.a.ii(3)) for these control measures. In addition to the list of watersheds and management areas, this report shall include:*
- a. The number, type, and locations and/or frequency (if applicable) of control measures;*
  - b. A cumulative listing of all potentially PCB-contaminated sites Permittees have discovered and referred to the Water Board to date, with a brief summary description of each site and where to obtain further information;*
  - c. The description, scope, and start date, of PCBs control measures;*

- d. *For each structural control and non-structural BMP, interim implementation progress milestones (e.g., construction milestones for structural controls or other relevant implementation milestones for structural controls and non-structural BMPs) and a schedule for milestone achievement; and*
- e. *Clear statements of the roles and responsibilities of each participating Permittee for implementation of pollution prevention or control measures identified under C.12.a.ii(2).*

The WMAs and control measures were reported in Appendix 11.1. of the CCCWP Program FY 2015-16 Annual Report.

Provision C.11/C.12.a.iii. requires:

- (3) *Beginning with the 2017 Annual Report and continuing in all Annual Reports, Permittees shall update all the information required under C.12.a.iii(2) as necessary to account for new control measures implemented but not described in the 2016 Annual Report.*

In addition, Provision C.11/C.12. b.iii.(2) requires:

*Beginning with the 2017 Annual Report, Permittees shall report annually the loads reduced using the default (from the Fact Sheet) or alternative approved assessment methodology to demonstrate cumulative PCBs load reduced from each control measure implemented since the beginning of the Permit term. Permittees shall submit all supporting data and information necessary to substantiate the load reduction estimates, including appropriate reference to the control measures described in the reporting required under C.12.a.*

## **Discussion**

Staff will review C.11/12 Program Annual Report Section updates that have occurred since the distribution of the templates, will answer remaining questions about completing the draft report sections, and review the timeline for review and final edits. PCB/Hg load reduction estimates will be shared with the group.

## **Fiscal Impact**

None.

## **Attachments**

Any attachments will be handed out at the meeting.

LP:RK.etc

G:\NPDES\Management Committee\Packet\17 18\Shells\Lucile\2017-08\Presentation Item C\_Program Annual Report Sections C.11\_C.12.docx





**Date:** August 16, 2017

**To:** Management Committee

**From:** Beth Baldwin, Watershed Management Planning Specialist  
Contra Costa Clean Water Program

**Subject:** Staff Report D – Update on Receiving Waters Monitoring Program Plan for Trash

---

**Recommendation:**

Receive an update on BASMAA’s Receiving Water Monitoring Program Plan

**Background:**

Provision C.10.b.v of the reissued Municipal Regional Stormwater Permit (MRP 2.0) requires Permittees to submit a receiving water monitoring plan to the Executive Officer by July 1, 2017. The plan must address discharge and receiving water monitoring scenarios, factors that could influence these scenarios and sites that are representative of such scenarios. The plan must also include tools and protocols that are scientifically peer-reviewed, receive stakeholder input, and incorporation of a system to manage monitoring results.

Working with consultants and a Project Management Team who oversaw this regional project, a draft Receiving Water Monitoring Program Plan (Plan) was developed. The Plan underwent peer review and Stakeholder review. With respect to Contra Costa Permittees, the Plan was presented to the Municipal Operations Committee on June 5 and then to Management Committee on June 21. The final version of the Plan was approved by Management Committee at a special June 28 meeting. The BASMAA Board of Directors (BOD) then approved this final version on June 29 and it was submitted to the Executive Officer of the San Francisco Bay Regional Water Quality Control Board (Water Board) on June 30 as required by MRP 2.0.

**Discussion:**

On July 31, Contra Costa Clean Water Program staff received a comment letter on the Receiving Water Trash Monitoring Program Plan (see attached) from Water Board and signed by the Bruce H. Wolfe, Water Board’s Executive Officer.

In the letter, Water Board staff identified three primary issues they had with the Plan. The first issue is the lack of water column (flux) monitoring. The second issue is the lack of any monitoring conducted in the San Francisco Bay. The final issue is their consideration that the Plan does not include piloting any new monitoring methodologies for trash in receiving waters. Several other comments were also given although some of them were more statements or observations and do not require a response. Water Board staff requested that once the letter was reviewed, that the BASMAA BOD address the comments in the letter and submit a revised Plan.

If the Plan must be rewritten to incorporate water column and in-Bay monitoring, the fiscal impact will be substantial. Based on previous discussions among PMT members and consultants, strong arguments against these two requested types of monitoring can be made. MRP 2.0 does not require water column or Bay monitoring be conducted as part of the Receiving Water Monitoring Program Plan. MRP 2.0 states that "in scenarios where direct measurements or observations are not feasible, surrogates for trash in receiving waters, such as measurement or observations of trash on stream banks or shorelines" may be used. In addition, as stated in Attachment A (Factsheet) of MRP 2.0, the goal in developing the Receiving Water Monitoring Program Plan is to "establish the least expensive and simplest to use monitoring methods and protocols that are applicable to the various discharge and receiving water scenarios." The potential use of the Rapid Trash Assessment (RTA) method is specifically called out in Attachment A. For those unfamiliar with the RTA, it is method where trash levels are ranked based on visual assessments. Finally, the Plan submitted to Water Board was subject to peer review and all three reviewers responded that the Plan adequately addresses the management questions being asked and meets the monitoring goals developed by the PMT.

With respect to water column monitoring, through the *Tracking California's Trash* grant, a pilot study has been conducted on the feasibility of water column monitoring for trash. The work was conducted by 5 GYRES, one of the consultants on the grant project. The organization presented the results of this type of monitoring at two different venues where Water Board staff was present. In both presentations and in its final report, 5 GYRES identified a number of issues with water column monitoring. They mentioned that additional testing of monitoring equipment is needed and that safety issues regarding crane and other equipment be further evaluated. They also discussed the time consuming process for obtaining all of the necessary permits for deployment of the monitoring equipment. In the report, they concluded that "high costs and time-consuming logistics are fundamental components" of this methodology. It should be surmised then that this methodology is not consistent with the goal of establishing "the least expensive and simplest monitoring method" to use.

The PMT is being reconvened to discuss the comment letter and next steps. These next steps mostly likely will include meeting with Water Board staff to discuss the

comment letter and then preparing a formal written response. It is anticipated that BASMAA will argue against any substantial changes to the current Plan for the reasons outlined above. A conference call with the PMT is scheduled for August 9. An oral report on the agreed to response and next steps will be presented to Management Committee.

**Fiscal Impact:**

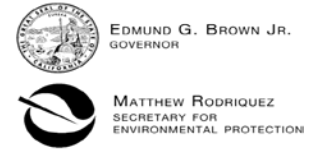
If BASMAA is not successful in its arguments for Water Board staff to accept the Plan as it and not require water column (flux) monitoring and Bay monitoring; the fiscal impact will be substantial.

**Attachments:**

- 1 Comments on Receiving Water Trash Monitoring Plan for Water Board Order No. R2-2015-0049, Municipal Regional Stormwater NPDES Permit, Provision C.10.b.v

BB:AH:elc

G:\NPDES\Management Committee\Packet\17 18\Shells\Beth\2017-08\Staff Report D - Update on Receiving Water Monitoring Plan.docx



---

## San Francisco Bay Regional Water Quality Control Board

July 31, 2017  
CIWQS Place No. 756972 (DCB)

To: Municipal Regional Stormwater NPDES Permit Permittees

*Sent via email to:*

James Scanlin, Alameda Countywide Clean Water Program: [jims@acpwa.org](mailto:jims@acpwa.org)

Rachel Kraai, Contra Costa Clean Water Program: [Rachel.Kraai@pw.cccounty.us](mailto:Rachel.Kraai@pw.cccounty.us)

Kevin Cullen, Fairfield-Suisun Urban Runoff Management Program:

[kcullen@fssd.com](mailto:kcullen@fssd.com)

Matt Fabry, San Mateo countywide Water Pollution Prevention Program:

[mfabry@smcgov.org](mailto:mfabry@smcgov.org)

Adam Olivieri, Santa Clara Valley Urban Runoff Pollution Prevention Program:

[awo@eoainc.com](mailto:awo@eoainc.com)

Jennifer Harrington, Vallejo Sanitation and Flood Control District:

[jharrington@vsfcd.com](mailto:jharrington@vsfcd.com)

Jill Mercurio, City of Vallejo: [jill.mercurio@cityofvallejo.net](mailto:jill.mercurio@cityofvallejo.net)

Geoff Brosseau, Bay Area Stormwater Management Agencies Association:

[Geoff@brosseau.us](mailto:Geoff@brosseau.us)

Beth Baldwin, Contra Costa Clean Water Program: [Beth.Baldwin@pw.cccounty.us](mailto:Beth.Baldwin@pw.cccounty.us)

**Subject: Comments on Receiving Water Trash Monitoring Plan for Water Board Order No. R2-2015-0049, Municipal Regional Stormwater NPDES Permit, Provision C.10.b.v**

Dear Permittees:

On June 30, 2017, the Bay Area Stormwater Management Agencies Association (BASMAA) submitted a Receiving Water Trash Monitoring Plan for the San Francisco Bay Region (Plan), in accordance with provision C.10.b.v of the Municipal Regional Stormwater NPDES Permit (MRP), Order No. R2-2015-0049, NPDES Permit No. CAS612008. The Plan was submitted on behalf of the seventy-six Permittees regulated by the MRP.

We have the following primary comments on the submitted Plan. Please address them and submit a revised Receiving Water Trash Monitoring Plan. We would be happy to discuss the comments further.

1. The Plan does not yet propose water surface and water column sampling quantitatively in flowing water (creeks, rivers) or in San Francisco Bay as part of the monitoring pilot program. Addressing only water surface and shoreline trash to monitor the status of trash in receiving waters is insufficient. A thorough program, including quantitative components, to determine the presence and amount of floating and suspended trash particles in flowing and semi-static water is necessary to determine the trash impact to receiving waters.
2. The assessment of trash on banks and shorelines is proposed as pilot work. However, Permittees have over 5 years of experience with visual trash assessments and the collection and analysis of trash volume and type on creek banks and shorelines. As such, creek bank/hot spot qualitative and quantitative methods should not be considered pilot /experimental procedures. The only new aspect of this effort is employing quantitative visual assessment in the context of creek banks and shoreline assessment.

### **Additional Comments**

The MRP sets forth a series of bulleted questions that must be addressed by receiving water monitoring and the development of receiving water monitoring tools and protocols. The proposed study methodologies will address those questions, except: if trash is being transported from one receiving water to another, and the presence of trash in the water column. A footnote to Table 3-3 states that acceptable methodologies are not currently available to determine if trash is transferred between water bodies. That is one reason for the current pilot work, which requires Permittees to develop, or attempt to develop, a method of estimating the portion of trash in the Bay that may be transported from upstream lotic waterways.

Refined Receiving Water Monitoring Questions numbers 1, 2 and 3, as presented in Table 2-3, cannot be adequately answered without water column data. This underlines the importance of working to collect that data.

The Plan proposes to monitor trash on shorelines and water surfaces. Monitoring will occur at 125 probabilistic (ambient, random) sites and 100 targeted sites, including some existing trash Hot Spots.

Targeted sites are not proposed to be monitored during a wet season. The proposal does not include collection of quantitative data for the wet season at any targeted sites. Wet season data should be included as much can change at sites months after the wet season.

Some targeted sites are co-located with existing trash Hot Spots. The data collected to meet the trash Hot Spot monitoring and cleanup requirements may be included as receiving water monitoring data. Additionally, the Plan has guidance for defining trash assessment areas (Attachment 1). Please consider adding qualitative observations of the general area outside the defined assessment areas to this guidance or the associated protocols. That is, the Plan anticipates that trash in the assessment areas may be coming from the adjacent receiving water. At the same time, a number of receiving areas are likely to be impacted by direct discharges associated with homelessness and illegal dumping. It may be helpful to understand, via a qualitative observation of the area surrounding the assessment area, whether direct discharges are an immediate source

to the assessment area (e.g., whether there are accumulations of trash discharging down a streambank).

The report recommends against monitoring at trash booms because of the variability and timing of deployment and effectiveness of the booms. Since trash booms collect material from upstream, booms should be included as a pilot approach to develop a reproducible method for their use in monitoring. If a location with a trash boom is monitored, quantitative monitoring is recommended.

Attachment 7, Standard Operating Procedure for qualitative and quantitative trash assessments, proposes a 0 to 20 scoring range for visual assessments, divided into four bins (very high, high, moderate, and low). This number of ratings, including 5 sublevels in each category, seems likely to present challenges. Can the sublevels be consistently assessed across varied staff, events, and locations, such that they would be a consistent indicator of difference? It may simplify data collection and analysis to reduce the number of sublevels or omit them and use the four categories.

Section 6, Data Management, Analysis, and Interpretation, proposes using CEDEN for data aggregation and management. This proposal is acceptable if CEDEN can be effectively modified in time to meet program needs. However, it is unclear whether this can be accomplished. For example, CEDEN is not currently set up to accept photographic monitoring, and it is unlikely that will change during the current permit term.

Section 6.1.2, Data Management QA/QC Considerations, describes multiple approaches to data presentation. Data presentation can be further discussed and determined based on the data collected. The current means of data presentation, in the annual report and in Tracking California Trash, may be preferable to facilitate long term data and trend analysis.

If you have questions or would like to discuss the matter further, please contact Dale Bowyer at (510) 622-2323 or via email to [dbowyer@waterboards.ca.gov](mailto:dbowyer@waterboards.ca.gov).

Sincerely,

for Bruce H. Wolfe  
Executive Officer

Cc: George Hicks, City of Fairfield: [ghicks@ci.fairfield.ca.us](mailto:ghicks@ci.fairfield.ca.us)  
Timothy McSorley, City of Suisun: [tmcsorley@suisun.com](mailto:tmcsorley@suisun.com)  
Jill Bicknell, SCVURPPP: [jcbicknell@eoainc.com](mailto:jcbicknell@eoainc.com)



**Date:** August 16, 2017

**To:** Management Committee

**From:** Rachel Kraai, Senior Watershed Management Planning Specialist

**Subject:** Staff Report E - Update on the Contra Costa Watersheds Stormwater Resource Plan Project

---

### **Recommendation**

Receive an update on the Contra Costa Watersheds Stormwater Resource Plan (SWRP) Project.

### **Background**

In July 2016, the CCCWP was selected to receive a Storm Water Grant Program Proposition 1 Planning Grant for the development of the Contra Costa Watersheds Stormwater Resource Plan. The grant agreement was executed in May 2017. The awarded grant amount is \$499,420 with a match amount of \$500,540.

The SWRP will use a watershed-based planning approach to develop stormwater management projects which will help meet water quality requirements and provide additional benefits such as flood control, habitat restoration, community enhancement, and groundwater recharge where possible. A SWRP is now required in order to receive stormwater management funding from many different State grant sources. The SWRP will also help Contra Costa municipalities meet the green infrastructure plan requirements of their NPDES stormwater management permits.

### **Discussion**

The SWRP Project Team submitted a number of grant deliverables to the State Water Board in July 2017 including, but not limited to, the following:

- A completed Stakeholder Outreach and Engagement Plan
- A memorandum characterizing Contra Costa's watersheds and watershed planning units
- An annotated list of existing plans, projects, and data to support the SWRP planning process and an assessment of data gaps

The Project Team is currently in process of the following:

- Development of the first quarterly report and project invoice for submission to the State Water Board;
- Setting up stakeholder engagement workshops in each of the watershed planning units. These workshops will take place in September;
- Development of the analytical methodology for the SWRP planning process including an assessment of potential modeling tools;
- Development of a number of additional milestone deliverables for the State Water Board.

At the August Management Committee Meeting, Program staff will discuss project progress and challenges, including the need for Permittees to diligently document their in-kind work per the grant guidelines in order to support the project in meeting its in-kind match commitments.

**Fiscal Impact:**

The fiscal impact to the Group Program is \$150,000, which is included in the adopted FY 16/17 and FY 17/18 Group Program budgets.

**Attachment(s):**

None.

RK:elc

G:\NPDES\Management Committee\Packet\17 18\Shells\Rachel\2017-08\Staff Report E\_Update on Stormwater Resource Plan Development.docx



## Summary of FY 2017/2018 New or One-Time Permit Requirements

Provisions	Mandates with Deadlines during 2017-2018	Job	Deadlines
C.10.b.v.a (viii)	Receiving Water Monitoring Plan – monitoring at representative sites starting no later than October 2017.	Group	10/2017
C.3.g.	Contra Costa Permittees shall, with the 2017 Annual Report, submit a technical report, acceptable to the Executive Officer, consisting of an HM Management Plan describing how Contra Costa will implement the Permit’s HM requirements (e.g. how it will update or modify its practices...).... Projects receiving final planning entitlements on or before January 3, 2018, may be allowed to use the Contra Costa design standards from the previous Permit... After January 3, 2018, for Contra Costa Permittees, Projects shall comply with the Contra Costa design standards, including any modifications made.	Group	1/3/2018
C.11.	Mercury TMDL implementation plan calls for attainment of the allocation by February 2028 and, as a way to measure progress, attainment of an interim loading milestone by February 2018 of 120 kg/yr, halfway between the 2003 estimated load, 160 kg/yr, and the aggregate allocation.	Group	2/2018
C.8.e.iii	Stressor/Source Identification (SSID) Projects: The Permittees shall develop a work plan for each SSID project and submit the work plans with the Urban Creeks Monitoring Report (UCMR) such that a minimum of half the required number of SSID projects are started (at a minimum, have a work plan) by the third year of the permit term	Group	3/31/2018
C.12.a.ii.(4)	Contra Costa County average annual PCBs load reduction performance criteria shall total 90 g/yr.	Group/Local	6/30/2018
C.10.a.ii.b	Permittees shall map the location, or otherwise record the location, of all such lands greater than 10,000 ft <sup>2</sup> that are plumbed directly to their storm drain systems by July 1, 2018, including the trash control status of these areas. Lands under full trash capture or in low trash generating areas are exempt.	Local	7/1/18
C.10.b.v.b	Permittees shall report progress on the Receiving Water Monitoring Plan in the 2018 Annual Report.	Group	2018 AR
C.11.b.iii.(3)	The Permittees shall submit, for Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess mercury load reductions in the subsequent permit.	Group	2018 AR

## Summary of FY 2017/2018 New or One-Time Permit Requirements

C.11.c.iii.(1)	The Permittees shall submit in their 2018 Annual Report, as part of reporting for C.11.b.iii(2), the quantitative relationship between green infrastructure implementation and mercury load reductions. This submittal shall include all data used and a full description of models and model inputs relied on to establish this relationship.	Group	2018 AR
C.12.b.iii.(3)	In their 2018 and subsequent Annual Report, the Permittees shall submit, for Executive Officer approval, any refinements, if necessary, to the measurement and estimation methodologies to assess PCBs load reductions in the subsequent permit.	Group	2018 AR
C.12.c.iii.(1)	The Permittees shall submit in their 2018 Annual Report, as part of reporting for C.12.b.iii (3), the quantitative relationship between green infrastructure implementation and PCBs load reductions. This submittal shall include all data used and a full description of models and model inputs relied on to establish this relationship.	Group	2018 AR
C.12.e.iii.	Evaluate PCBs Presence in Caulks/Sealants Used in Storm Drain or Roadway Infrastructure in Public Rights-of-Way: Permittees shall report on the results (including all data gathered) of this investigation no later than the 2018 Annual Report.	Regional	2018 AR
C.12.f.iii.(1)	Manage PCB-Containing Material and Wastes During Building Demolition Activities So That PCBs Do Not Enter Municipal Storm Drains: In 2018 Annual Report, the Permittees shall summarize the steps they have taken to begin implementing this requirement.	Regional	2018 AR
C.12.g.iii.	Fate and Transport Study of PCBs-Urban Runoff Impact on San Francisco Bay Margins: The Permittees shall report on status of the studies in their 2018 Annual Report.	Group	2018 AR