

C/CAG

CITY/COUNTY ASSOCIATION OF GOVERNMENTS OF SAN MATEO COUNTY

Atherton ■ Belmont ■ Brisbane ■ Burlingame ■ Colma ■ Daly City ■ East Palo Alto ■ Foster City ■ Half Moon Bay ■ Hillsborough ■ Menlo Park
Millbrae ■ Pacifica ■ Portola Valley ■ Redwood City ■ San Bruno ■ San Carlos ■ San Mateo ■ San Mateo County ■ South San Francisco ■ Woodside

STORMWATER (NPDES) COMMITTEE AGENDA 2:30 PM, Thursday, August 20, 2020

On March 17, 2020, the Governor issued Executive Order N-29-20 suspending certain provisions of the Ralph M. Brown Act in order to allow for local legislative bodies to conduct their meetings telephonically or by other electronic means. Pursuant to the Shelter-in-Place Orders issued by the San Mateo County Health Officer and the Governor, and the CDC's social distancing guidelines, which discourage large public gatherings, C/CAG meetings will be conducted via remote conferencing. Members of the public may observe or participate in the meeting remotely via one of the options below.

Join by Zoom: <https://us02web.zoom.us/j/84809185666?pwd=cS93b3dnVXBXR040b2x6Vjl5WlFtZz09>

Join by Phone: +1 669 900 6833

Meeting ID: 848 0918 5666

Password: 726802

Persons who wish to address the C/CAG Board on an item to be considered at this meeting, or on items not on this agenda, are asked to submit written comments to rbogert@smcgov.org. Oral public comments will also be accepted during the meeting through Zoom. Please see instructions for written and spoken public comments at the end of this agenda.

- | | | |
|---|------------------|----------------------|
| 1. Public comment on items not on the Agenda (presentations limited to three minutes). | Breault | No materials |
| 2. Stormwater Issues from Aug C/CAG Board meeting: <ul style="list-style-type: none">• None – No C/CAG meeting | Fabry | No materials |
| 3. ACTION – Review and approve July 16, 2020 Stormwater Committee minutes | Fabry | Pages 1-5 |
| 4. INFORMATION – Announcements on stormwater issues <ul style="list-style-type: none">• Funding Opportunities• Annual Reporting Process/Schedule• Sustainable Streets Master Plan – Project Prioritization and Concepts• MRP 3.0 process and schedule update• Other | Fabry | Verbal, no materials |
| 5. INFORMATION – Presentation on (1) compliance with MRP requirements for PCBs load reduction in San Mateo County stormwater runoff and (2) first draft of Pollutant Control Measures Implementation Plan – Scenarios to Achieve PCBs and Mercury TMDL Wasteload Allocations in San Mateo County Stormwater Runoff. | Fabry/
Konnan | Pages 6-8 |
| 6. Regional Board Report | Mumley | No Materials |
| 7. Executive Director's Report | Wong | No Materials |
| 8. Member Reports | All | No Materials |
| 10. Adjourn | | |

PUBLIC NOTICING: All notices of C/CAG regular Board meetings, standing committee meetings, and special meetings will be posted at the San Mateo County Transit District Office, 1250 San Carlos Ave., San Carlos, CA, and on C/CAG's website at: <http://www.ccag.ca.gov>.

PUBLIC RECORDS: Public records that relate to any item on the open session agenda for a regular Board meeting, standing committee meeting, or special meeting are available for public inspection. Those public records that are distributed less than 72 hours prior to a regular Board meeting are available for public inspection at the same time they are distributed to all members, or a majority of the members, of the Board. The Board has designated the City/County Association of Governments of San Mateo County (C/CAG), located at 555 County Center, 5th Floor, Redwood City, CA 94063, for the purpose of making public records available for inspection. Such public records are also available on C/CAG's website at: <http://www.ccag.ca.gov>. Please note that C/CAG's office is temporarily closed to the public; please contact Mima Guilles at (650) 599-1406 to arrange for inspection of public records.

PUBLIC PARTICIPATION DURING VIDEOCONFERENCE MEETINGS: Persons with disabilities who require auxiliary aids or services to participate in this meeting should contact Mima Guilles at (650) 599-1406, five working days prior to the meeting date.

Written comments should be emailed in advance of the meeting. Please read the following instructions carefully:

1. Your written comment should be emailed to rbogert@smcgov.org.
2. Your email should include the specific agenda item on which you are commenting or note that your comment concerns an item that is not on the agenda.
3. Members of the public are limited to one comment per agenda item.
4. The length of the emailed comment should be commensurate with the two minutes customarily allowed for verbal comments, which is approximately 250-300 words.
5. If your emailed comment is received at least 2 hours prior to the meeting, it will be provided to the C/CAG Committee members and made publicly available on the C/CAG website along with the agenda. We cannot guarantee that emails received less than 2 hours before the meeting will be able to be posted or provided to Committee members prior to the meeting, but such emails will be included in the administrative record of the meeting.

Oral comments will be accepted during the meeting through Zoom. Please read the following instructions carefully:

1. The Stormwater Committee meeting may be accessed through Zoom at the online location indicated at the top of this agenda.
2. You may download the Zoom client or connect to the meeting using an internet browser. If using your browser, make sure you are using a current, up-to-date browser: Chrome 30+, Firefox 27+, Microsoft Edge 12+, Safari 7+. Certain functionality may be disabled in older browsers including Internet Explorer.
3. You will be asked to enter an email address and name. We request that you identify yourself by your name as this will be visible online and will be used to notify you that it is your turn to speak.
4. When C/CAG Staff or the Committee Chair/Vice-Chair call for the item on which you wish to speak, click on "raise hand." C/CAG staff will activate and unmute speakers in turn. Speakers will be notified shortly before they are called on to speak.
5. When called, please limit your remarks to the time allotted.

If you have any questions about this agenda, please contact C/CAG staff:

Program Manager: Matthew Fabry (650) 599-1419
Administrative Assistant: Mima Guilles (650) 599-1406

C/CAG AGENDA REPORT

Date: August 20, 2020
To: Stormwater Committee
From: Matthew Fabry, Program Manager
Subject: Review and approve July 16, 2020 Stormwater Committee meeting minutes.

(For further information or questions contact Matthew Fabry at mfabry@smcgov.org)

RECOMMENDATION

That the Committee review and approve July 16, 2020 Stormwater Committee meeting minutes, as drafted.

DISCUSSION

N/A.

ATTACHMENTS

1. Draft July 16, 2020 Minutes

2020-21 Stormwater Committee Attendance			July	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
Agency	Representative	Position												
Atherton	Robert Ovadia	Public Works Director	X											
Belmont	Peter Brown	Public Works Director	X											
Brisbane	Randy Breault	Public Works Director/City Engineer	X											
Burlingame	Syed Murtuza	Public Works Director	X											
Colma	Brad Donohue	Director of Public Works and Planning	X											
Daly City	Richard Chiu	Public Works Director	X											
East Palo Alto	Kamal Fallaha	City Engineer												
Foster City	Norm Dorais	Public Works Director	X											
Half Moon Bay	Maziar Bozorginia	City Engineer	X											
Hillsborough	Paul Willis	Public Works Director	X											
Menlo Park	Nikki Nagaya	Public Works Director	X											
Millbrae	Andrew Yang	Senior Engineer	X											
Pacifica	Sam Bautista	Public Works Director/City Engineer	O											
Portola Valley	Howard Young	Public Works Director												
Redwood City	Saber Sarwary	Supervising Civil Engineer	X											
San Bruno	Jimmy Tan	City Engineer	X											
San Carlos	Steven Machida	Public Works Director	X											
San Mateo	Brad Underwood	Public Works Director	X											
South San Francisco	Eunejune Kim	Public Works Director												
Woodside	Sean Rose	Public Works Director	X											
San Mateo County	Jim Porter	Public Works Director	X											
Regional Water Quality Control Board	Tom Mumley	Assistant Executive Officer												

"X" - Committee Member Attended

"O" - Other Jurisdictional Representative Attended

STORMWATER COMMITTEE
Regular Meeting
Thursday, July 16, 2020
2:30 p.m.

Draft Meeting Minutes

The Stormwater Committee met remotely via Zoom, per C/CAG's shelter-in-place policy and consistent with state and county directives to manage COVID-19. Attendance at the meeting is shown on the attached roster. In addition to the Committee members, also in attendance were Matt Fabry (C/CAG Program Manager), Reid Bogert (C/CAG staff), Sandy Wong (C/CAG Executive Director), Jon Konnan (EOA), Susan Wright and Kim Springer (County of San Mateo), Jennifer Lee (City of Burlingame), Sarah Scheidt (City of San Mateo), Raymund Donguines (City of Pacifica), and Darren Choy (RRM). Chair Breault called the meeting to order at 2:35 p.m.

1. Public comment: None.

2. Stormwater Issues from C/CAG Board Meetings: June – None.

3. ACTION – Approval of the draft minutes from the June 18, Stormwater Committee meeting. Motion: member Underwood, second: member Ovadia. Approved (18:0:0).

4. INFORMATION – The following items were covered in announcements:

- Funding Opportunities – Matt Fabry noted a new California grant portal at www.grants.ca.gov where all state grant funding opportunities (current or ongoing grants) of a variety of type and across the state are made available via an easy search/filter website.
- Annual Reporting Process/Schedule – Fabry provided an overview of the Annual Reporting schedule for 2020 reporting. The generic BASMAA Annual Report form templates have already been distributed and the SMCWPPP-specific guidance materials and template Annual Report forms will be distributed in mid to late July. The trash hotspot reporting forms from all permittees are due to EOA staff by July 17. All draft permittee Annual Reports are due to EOA staff for review by September 2, at which time the Program Annual Report will be circulated to the permittees for comment/review. Comments on both permittee reports and the Program Annual Report will be due by September 16. Fabry will request authorization to submit the Program Annual Report on behalf of the permittees from Duly Authorized Representatives by September 23. Permittees must also have submitted final draft jurisdiction reports by September 23 for final review, and EOA staff will offer to submit the Countywide Program Annual Report and all permittee reports by September 30. It was noted the Program will not be offering an Annual Report training to permittees this year, but staff and consultants will be available to support the permittees.
- Sustainable Streets Master Plan – Project Prioritization and Concepts – Fabry thanked the committee for providing input on draft prioritization project lists and submitting proposed project concepts. Staff received 26 project concept proposals. The grant includes up to ten projects, and the consultant team has conducted an analysis of proposed project concepts to advance, which will be distributed to the Committee for consideration and feedback. The project team will request any additional feedback within a week or so to keep the project on schedule. The Committee inquired about some of the criteria used to make selections and Fabry

described the basic criteria, including have a variety of project “typologies” among the four project types characterized in the SSMP, stormwater capture feasibility, possible utility conflicts and project momentum.

5. INFORMATION – Receive an update on developing the Pollutant Control Measures Implementation Plan – Scenarios to Achieve PCBs and Mercury TMDL Wasteload Allocations in San Mateo County Stormwater Runoff, as required by the Municipal Regional Permit.

Matt Fabry introduced a presentation provided by Jon Konnan (EOA) for the San Mateo Countywide Water Pollution Prevention Program Pollutant Control Measures Implementation Plan for attaining the PCBs and mercury TMDL wasteload allocations for San Mateo County. Fabry noted the plan is a culminating report on PCBs and mercury efforts in San Mateo County under the current Municipal Regional Permit (MRP) requirements and what additional controls would need to be implemented to achieve the final numeric load reductions stipulated in the TMDLs for PCBs and mercury in the San Francisco Bay. Fabry also noted the plan is still in the developing stages, but C/CAG staff wanted to provide updates on the main components of the plan and the preliminary assumptions and conclusions from the results of the analysis now for the Committee to start receiving input from permittee representatives.

Konnan presented the two main aspects of the plan focusing on PCBs (given that the efforts to address PCBs, are assumed to be sufficient to manage for the wasteload reduction requirements for both PCBs and mercury). The two main parts of the plan are an evaluation of the PCBs controls planned and implemented during MRP 2.0 (the current permit term) and the planned “technically and economically feasible” controls needed to achieve the final wasteload allocations for PCBs and mercury by the TMDL timelines (2030 for PCBs and 2028 for mercury). Konnan reviewed the primary PCBs and mercury control measures that have been identified to achieve wasteload allocations, including managing PCBs in building demolitions, source property identification and referral, green infrastructure and trash controls (which provide PCBs/mercury load reduction benefit). Konnan reiterated that the 2018 compliance benchmark for PCBs/mercury load reductions was achieved regionally (and hence within San Mateo County), but also stated that the load reduction goals for 2020 may be more difficult to achieve, both regionally and within San Mateo County. Konnan highlighted the relatively large reductions to-date associated with source property identification and referral for other MRP areas, but also the disproportionately smaller share of old industrial land use area in San Mateo County relative to other counties, and relative lack of opportunity for this control measure type in the county. A major question addressed in the Control Measures Plan will be whether attaining the wasteload allocation for San Mateo will be feasible by the TMDL timeline, and the main conclusion from the analysis in the plan is that it is not feasible. Rather than think of the results of the Control Measure Implementation Plan as a commitment to a single path toward compliance, the plan will provide different scenarios and timelines (with associated cost estimates) for achieving the TMDL wasteload allocations. Konnan outlined the key steps in calculating the current load reductions by 2020 and the projected loads reduced by 2030 (with additional PCBs control measures being proposed for MRP 3.0, such as managing PCBs in electric utilities equipment and managing PCBs in infrastructure caulking in bridge sealants during bridge rehabilitation or replacement). The results of the preliminary analysis show a significant gap in achieving the wasteload allocation in the county by the current TMDL timeline. The plan will include a projected amount of green infrastructure that would be needed to fill the gap, by a future timeline, which is also associated with estimated timelines for fully implementing other planned PCBs control measures (including replacing oil filled electric utility equipment containing PCBs and replacing or rehabilitating all relevant bridges in the MRP area to manage PCBs-containing caulk and sealants. This projected

additional green infrastructure would represent more than the capacity of green infrastructure modeled through 2040 in the San Mateo County Reasonable Assurance Analysis (RAA) for PCBs, which already is a likely infeasible level of green infrastructure implementation. The demonstrated infeasibility of meeting the targets for PCBs load reductions by the TMDL timeline based on the analysis in the Control Measures Plan will provide context for consideration by the Regional Water Board to extend the TMDL for PCBs. Other goals of developing the plan are to support further collaboration in San Mateo County on regional scale stormwater capture projects, coordination with the Flood and Sea Level Rise Resiliency District and develop support for grant funding and investment strategies.

C/CAG staff and consultants plan to meet with Regional Water Board staff on July 21 to discuss the preliminary results of the analysis in conjunction with the Sant Clara Urban Runoff Pollution Prevention Program (which has taken a very similar approach to the San Mateo countywide program's RAA). EOA and C/CAG staff plan to release a draft of the Control Measures Implementation Plan to permittees in late July or early August. After one to two rounds of revisions and feedback from permittees, the plan will be submitted with the Annual Reports by September 30.

Committee members discussed the potential ways to frame the anticipated "gap" in meeting waste load allocations, based on the analysis in the plan. Fabry mentioned other ongoing efforts including coordination on regional stormwater capture projects and several jurisdictions in the county that are advancing requirements for new and redevelopment projects to build green infrastructure in the public right of way as part of frontage improvements. Fabry also invited members of the committee to join the July 21 meeting with Regional Water Board staff if interested.

6. Regional Board Report: None.

7. Executive Director's Report: None.

8. Member Reports: Matt Fabry mentioned the Annual California Stormwater Quality Association Conference on September 15 and 16 via virtual meeting, at which C/CAG will be presenting on several topics, including a workshop on developing the Sustainable Streets Master Plan.

Chair Breault adjourned the meeting at 3:31 p.m.

C/CAG AGENDA REPORT

Date: August 20, 2020

To: Stormwater Committee

From: Matthew Fabry, Program Manager

Subject: Presentation on (1) compliance with MRP requirements for PCBs load reduction in San Mateo County stormwater runoff and (2) first draft of *Pollutant Control Measures Implementation Plan – Scenarios to Achieve PCBs and Mercury TMDL Wasteload Allocations in San Mateo County Stormwater Runoff*.

(For further information or questions contact Matthew Fabry at 650/599-1419)

RECOMMENDATION

Receive a presentation on (1) the updated status of compliance with MRP requirements for PCBs (polychlorinated biphenyls) load reduction in San Mateo County stormwater runoff and (2) the first draft of submittal due with MRP Permittee Annual Reports by September 30, 2020: *Pollutant Control Measures Implementation Plan – Scenarios to Achieve PCBs and Mercury TMDL Wasteload Allocations in San Mateo County Stormwater Runoff*.

BACKGROUND AND APPROACH

The Municipal Regional Permit (MRP) requires Permittees to reach a PCBs in stormwater runoff load reduction target by the end of the permit term, based upon crediting of control measures using the approved Interim Accounting Methodology. Permittees will report in their Annual Reports that the target was met on a regional basis via a combinations of control measures, including management of PCBs in building materials during demolition, source property identification and referral, and green infrastructure.

The MRP also requires Permittees to prepare a control measures implementation plan for PCBs and mercury, and a corresponding reasonable assurance analysis (RAA). The MRP requires the plan to:

- Identify all technically and economically feasible PCBs/mercury control measures to be implemented (including green infrastructure projects);
- Include a schedule according to which the control measures will be fully implemented; and
- Provide an evaluation and quantification of the PCBs/mercury load reduction of such measures as well as an evaluation of costs, control measure efficiency, and any significant environmental impacts resulting from their implementation.

A first draft of the San Mateo County plan is scheduled to be completed by August 19. It will

include three implementation scenarios, based on a quantitative analysis, for pollutant control measures programs and resultant PCBs load reductions by: (1) 2030 (the date specified in the PCBs TMDL), (2) 2040 (the green infrastructure target date specified in the MRP), and (3) 2080. The plan incorporates the results from C/CAG's Phase I and II RAA reports and BASMAA's recent source control RAA methods report, including the new baseline pollutant loads from San Mateo County to San Francisco Bay modeled in the Phase I RAA report. The refined baseline modeling established the PCBs load reduction needed to attain the PCBs TMDL wasteload allocation (WLA) in San Mateo County. The mercury TMDL WLA appears to have already been achieved, although there is a relatively high degree of uncertainty in the modeling results for mercury, due to the limited information on land-use specific mercury concentrations.

The plan projects estimated PCBs load reductions from various source controls (e.g., source property identification and abatement, trash controls, and management of PCBs in building materials during demolition), using the methods in the BASMAA source control RAA report, with an assumed MRP 3.0 level of effort. The plan also projects estimated PCBs load reductions from green infrastructure (via ongoing implementation of each San Mateo County Permittee's green infrastructure plan and including projected redevelopment, and public green streets and regional stormwater capture projects), based upon modeling documented in C/CAG's Phase II RAA report. Together, source controls and green infrastructure are projected to significantly reduce the levels of PCBs (and mercury) entering the Bay from San Mateo County stormwater runoff. However, all three scenarios project PCBs load reductions that fall far short of those needed to attain the PCBs TMDL WLA for the County.

Thus, based on the modeling and control measure scenarios described in the plan, additional actions to reduce PCBs will be needed to achieve the WLA. These may include the construction of additional green infrastructure facilities in the public right-of-way, since other control measures may not be practicable nor cost-effective. However, planning level cost estimation, in conjunction with the scenarios evaluated, reveals that solely relying on public green infrastructure facilities to address the remaining load reduction needed to achieve the PCBs WLA is not an economically feasible approach to achieve the WLA by 2030, 2040, or 2080.

Based on these results, C/CAG staff recommends San Mateo County MRP Permittees request that the Regional Water Board review and revise the schedule for attainment of the WLAs for stormwater runoff in the PCBs TMDL. This request is consistent with the adaptive management strategy described in the TMDL, which explicitly states that a review and revision of the load reduction expectations for stormwater runoff will be conducted during the term of the third implementing NPDES permit (i.e., MRP 3.0, tentatively scheduled to begin in 2021). Thus, the plan (and similar plans from the other MRP counties) should provide the Regional Water Board with a basis for extending the PCBs TMDL deadline, if Permittees have demonstrated that all technically and economically feasible PCBs/mercury control measures will be implemented within the original timeline.

As Stormwater Committee members are well aware, San Mateo County Permittees remain committed to the continued identification and implementation of cost-effective public green infrastructure projects that are focused on achieving multiple benefits, including improved stormwater quality. As demonstrated in the San Mateo County Stormwater Resource Plan

(SWRP) developed by C/CAG and the green infrastructure plans developed by San Mateo County Permittees, C/CAG and the local jurisdictions are working diligently towards “greening” the urban landscape across the County over time. These efforts will supplement the PCBs and mercury load reductions as a result of the implementation of source controls and the construction of green infrastructure facilities via MRP Provision C.3 new/redevelopment requirements.

The pollutant control measures planning is integrated with ongoing efforts by C/CAG to assist San Mateo County municipalities to obtain grant funding for planning and building public green infrastructure projects, and to coordinate and track green infrastructure countywide. Such efforts include the SWRP, the San Mateo Countywide Sustainable Streets Master Plan project, the Safe Routes to School / Green Streets Infrastructure Pilot Projects, and several regional stormwater capture projects. In addition, the control measures plan could help inform green infrastructure investment planning through the new Flood and Sea Level Rise Resiliency District in San Mateo County.

The schedule for development of the San Mateo County control measures implementation plan is as follows:

- Jul 16 – Initial presentation to Stormwater Committee
- July 21 – Meeting with Regional Water Board staff
- Aug 19 – Distribute first draft to San Mateo County Permittees for review
- Aug 20 – Follow-up presentation to Stormwater Committee
- Sep 9 – Comments on first draft due to EOA
- Sep 14 – Distribute final draft
- Sep 25 – Comments on final draft due to EOA
- Sep 30 – Address any remaining comments and submit final report to Regional Water Board staff by this date