

NOTICE OF MEETING

NPDES TECHNICAL ADVISORY COMMITTEE

February 5, 2009

TUESDAY, February 17, 2009 - 10:00 A.M. TO NOON
CITY OF SAN CARLOS' CITY HALL
2nd Floor City Hall – Room 207
600 Elm Street, San Carlos
(See location map on back)

Web Site: www.flowstobay.org

AGENDA

1. INTRODUCTIONS, ANNOUNCEMENTS, MINUTES APPROVAL, AGENDA REVISIONS – MATT FABRY
2. PRESENTATIONS
 - A. STATUS OF REVISING THE DRAFT MUNICIPAL REGIONAL PERMIT – MATT/EVERYONE
 - B. AWARD OF PROPOSITION 84 AREA OF SPECIAL BIOLOGICAL SIGNIFICANCE GRANT TO SAN MATEO COUNTY – JULIE CASAGRANDE
 - C. UPDATE ON PREPARATIONS FOR APPLYING FOR PROPOSITION 84 STORMWATER GRANT FUNDS FOR LOW IMPACT DEVELOPMENT – MATT/EVERYONE
 - D. INFORMATION ON WATER BOARD'S FEBRUARY 11 MEETING TO ADOPT ADDITIONS TO IMPAIRED WATER BODIES LIST – FRED/EVERYONE
 - E. UPDATE OF WATER BOARD'S LIST OF WATERBODIES WITH BENEFICIAL USES – MATT/EVERYONE
 - F. REGIONAL WATER QUALITY CONTROL BOARD REPORT – SUE MA
3. SUBCOMMITTEE REPORTS/
 - A. PUBLIC INFORMATION/PARTICIPATION – JAMES SHANNON
 - B. COMMERCIAL/INDUSTRIAL AND ILLICIT DISCHARGE – WARD DONNELLY
 - C. NEW DEVELOPMENT – MATT FABRY
 - D. MUNICIPAL GOVERNMENT MAINTENANCE ACTIVITIES – MICHAEL PETERSON
 - E. PARKS MAINTENANCE AND INTEGRATED PEST MANAGEMENT WORK GROUP – VERN BESSEY
 - F. WATERSHED ASSESSMENT AND MONITORING – DERMOT CASEY
4. PUBLIC COMMENTS
5. ANNOUNCEMENTS
6. NEXT MEETING – March 17

FUTURE MEETINGS:

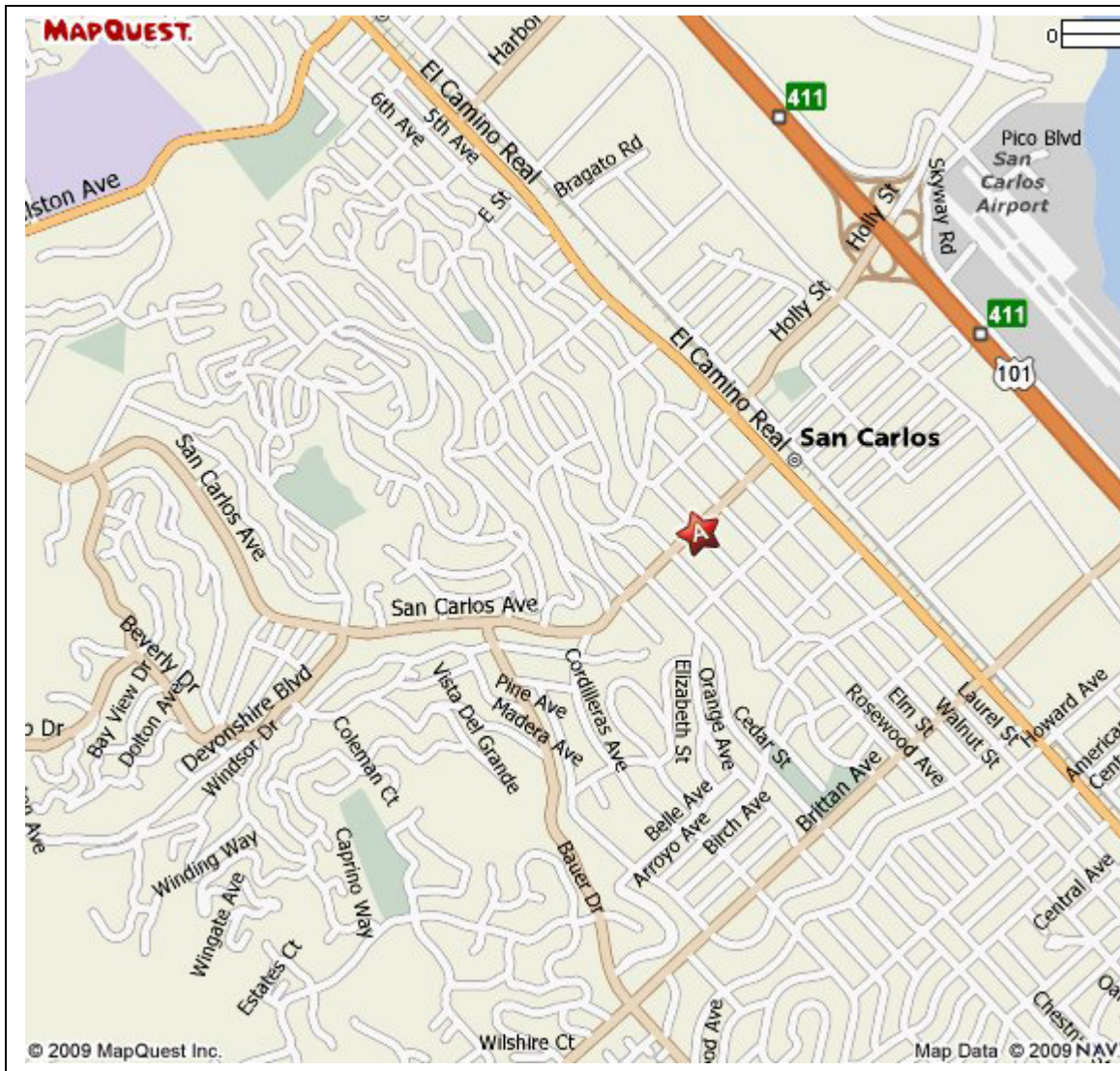
MAR 17 @ Redwood City
APRIL 21 @ Daly City
MAY 19 @ South San Francisco
JUNE 16 @ _____

Post by 5:00 P.M., Wednesday, FEB. 11, 2009

NOTE: Persons with disabilities who require auxiliary aids or services in attending and participating in this meeting should contact Matthew Fabry at (415) 508-2134, five working days prior to the meeting date.

Public records that relate to any item on the agenda for a regular NPDES Technical Advisory Committee (TAC) meeting are available for public inspection. Those records that are distributed less than 72 hours prior to the meeting are available for public inspection at the same time they are distributed to all members, or a majority of the members of the TAC. The TAC has designated Brisbane's City Hall, located at 50 Park Place, Brisbane, for purpose of making those public records available for inspection. The documents are also available on the C/CAG Internet Web site, at the link for agendas for upcoming meetings. The website is located at: <http://www.ccag.ca.gov>.

**City of San Carlos City Hall
Second Floor – Room 207
600 Elm St., San Carlos**



NPDES TAC and Subcommittee Meeting Locations:

- New Development – 1:30 to 3:30 pm, first Tuesday of every other month: next meeting will be **April 7 @ South San Francisco Water Quality Control Plant**
- Public Information/Participation – 10:00 am – noon, second Tuesday of every other month @ Redwood City Municipal Service Center Conference Room, 1400 Broadway
- Technical Advisory Committee – 10:00 am to noon, third Tuesday of each month, location varies
- Municipal Maintenance – Noon to 1:00 pm (\$10:00 lunch), fourth Wednesday quarterly: next meeting will be **March 25** meeting @ Gellert Clubhouse in Daly City.
- Parks Maintenance and Integrated Pest Management Work Group – 1:30 to 3:00 pm, fourth Tuesday approximately quarterly at San Mateo City Hall, 330 West 20th Avenue. Next meeting will be the annual workshop held on **February 26, 11:00 to 3:00 pm** at the Green Building Exchange's **new location: 1 Chestnut Ave., South San Francisco.**
- Commercial/Industrial/Illicit Discharge Control – 1:00 to 2:30 pm, **third** Thursday of every other month: next meeting will be **February 19** @ Millbrae Community Center Conference Room, 477 Lincoln Circle.
- Watershed and Monitoring – 10:00 am to noon, second Thursday of month, approximately every quarter: next meeting will be **April 9** @ Environmental Health offices at 2000 Alameda de las Pulgas in the City of San Mateo.

Yellow highlight denotes recent change.

**NPDES Stormwater
Technical Advisory Committee (TAC)**

DRAFT REPORT OF MEETING

**TUESDAY, JANUARY 20, 2009
10:00 A. M.
CITY OF BELMONT**

1. INTRODUCTION, ANNOUNCEMENTS, ADOPTION OF MINUTES, AND REVISION TO AGENDA
Self-introductions were made and the November meeting minutes were adopted as written. Cassie Prudhel announced that the California Water Environment Association P3 Conference will be held in Monterey from March 2 – 4. There will be a session about how to inspect stormwater treatment devices. In addition Dale Bowyer from the Regional Water Quality Control Board (Regional Water Board) and U.S. EPA will make presentations about stormwater inspections of businesses.

2. PRESENTATIONS
 - a. Submittals of First-Half Year Deliverables – Matt Fabry encouraged everyone to submit their completed deliverables.
 - b. Status of Revising the Draft Municipal Regional Permit (MRP) – Fred Jarvis reviewed some of the information previously sent to the TAC regarding the Bay Area Stormwater Management Agencies Association’s (BASMAA) December meeting with Tom Mumley, Assistant Executive Officer of the Regional Water Board. Sue Ma reported that the Regional Water Board staff is still hoping to release the draft MRP for a 60-day public comment period by the end of January. The MRP has been written and the Regional Water Board’s management staff is reviewing the draft prior to authorizing its release. At the time of release of the draft MRP the Regional Water Board will also release a revised fact sheet and a summary of responses to comments submitted last year on the previous draft MRP. Detailed responses to each comment will not be released until near the time of adoption of the MRP. Regional Board staff still anticipate adoption of the MRP prior to July 1, 2009.

The Water Board staff is proposing to add some hydromodification management (HM) language in the MRP to allow projects that are located in coastal areas and convey stormwater in a pipe to a beach to be exempted from the HM requirements. The TAC previously reviewed this language, and some changes were proposed to the Regional Water Board staff based on the TAC’s comments. Sue Ma reported that Jan O’Hara from the Regional Water Board accepted some, but not all of the suggested wording changes; and Ms. Ma will distribute a copy of the draft language to SMCWPPP.

- c. Completion of Green Streets and Parking Lots Design Guidebook (Guidebook) – Matt noted that each municipality should pick up its two, color copies of the Guidebook. The responses he has received on the Guidebook have been very positive. For example, Clark Wilson from U.S. EPA in Washington D.C. found the guidebook to be a very useful and timely document. Mr. Wilson passed the guidebook onto the American Society of Civil Engineers and included it in his recent presentation at the Transportation Research Board's annual meeting. Mr. Wilson also indicated U.S. EPA may have a national green street conference in 2010. One of the next steps for the Countywide Program is to provide training on the Guidebook. One of the suggestions was that the training includes lessons learned from the demonstration projects and a discussion of maintenance issues. There will be two demonstration projects completed by the time of the training. The training could be held at the Brisbane City Hall so that the parking lot demonstration project could be visited as part of the training. Another suggestion was to contact associations that provide training to developers, engineers, and landscape architects to encourage these organizations to provide training for their members.

C/CAG authorized last spring another round of grant funding for demonstration projects, but it might be better to delay this call for projects until more vehicle registration fee funds accumulate so that more grants may be offered. Other issues that need to be resolved include: whether any of the vehicle registration fee

funds should be used to help municipalities comply with the MRP's upcoming trash and litter control requirements and how much funding should be reserved for the local cost share that would be required to qualify for a Proposition 84 stormwater, low impact development grant. A more specific proposal for review and input by the New Development Subcommittee and TAC will be prepared about use of the vehicle registration fees.

- d. Update on Preparations for Applying for Proposition 84 Stormwater Grant Funds for Low Impact Development – The draft Proposition 84 stormwater grant guidelines propose that \$10 million in funding be used for total maximum daily loads (TMDL); \$63 million for low impact development; and \$9 million for planning and monitoring projects. As currently drafted the guidelines would exclude grant funding for Bay Area trash and litter control or PCBs projects because these pollutants are not listed on adopted TMDLs. The Municipal Maintenance Subcommittee's trash and litter work group recommended that storm drain inlet filter screens be fabricated, installed, and maintained at key locations under the direction of each municipality that was interested, but it appears unlikely such a project would qualify for funding.

The New Development Subcommittee has created a work group to identify one or more low impact development projects to apply for Proposition 84 grant funds. One of the ideas is to implement the Design Guidebook's ideas on a larger scale. The expectation is that the State Water Resources Control Board will issue a call for projects around mid-February with a submittal date for a conceptual proposal around the end of March. One of the selection criteria for receiving a grant is that the project improves water quality and solves a water quality problem. The TAC concurred with a recommendation to consider using some of the vehicle registration fee funds to hire Nevue Ngan Associates and Sherwood Design Engineers to help prepare a conceptual design(s) for grant project(s) under the existing Green Streets and Parking Lots Guidebook contract.

- e. Proposed Additions of San Mateo County Creeks and Shoreline to Impaired Water Bodies List – As required by Section 303(d) of the federal Clean Water Act, every two years the Regional Water Board solicits information from the public to modify its list of water bodies that are impaired by pollutants. The modifications approved by the Regional Water Board must also be approved by the State Water Resources Control Board and then the U.S. Environmental Protection Agency. The Regional Water Board staff is proposing to list Colma, San Mateo, and San Francisquito Creeks as impaired by trash, the shoreline of lower San Francisco Bay as impaired by trash, and San Mateo Creek as impaired by sediment toxicity. The Regional Water Board held a public workshop on January 14 to solicit comments on its proposed, new impaired waterbody listings. Vern Bessey and Cynthia Royer testified at the hearing. The Regional Water Board staff does not believe that the listings must automatically lead to the development of TMDLs. One of the Regional Water Board members believes that more infrastructure is needed to control trash and it is not appropriate to just remove it once it has been deposited in a creek. Regional Water Board members believe that now is the time to make these listings, and adoption of the updated impaired waterbody list is scheduled for its February meeting.
- f. Regional Water Quality Control Board Report – Sue Ma reported that she obtained a list of active construction sites from each city. The state database had not been updated to include all of the Notices of Termination that have been filed following project completion. Regional Water Board staff visited construction sites in San Mateo County following the first rains of the season to see if the construction sites are ready for winter. Projects located in flat areas did not have erosion problems unless they had a problem with sediment track out onto streets. One of the types of problems she found in Santa Clara County is that erosion and sediment controls were installed, but the project has been on hold, and the controls need to be repaired or replaced. Regional Water Board staff plans on doing more follow up this month. The Regional Water Board staff may consider enforcement against municipalities that are allowing inadequate erosion and sediment control on a consistent basis.

3. SUBCOMMITTEE REPORTS

- a. Public Information and Participation – Mary Bell Austin reported that the diorama needs to be replaced. She requested recommendations from the cities about different types of dioramas they like and whether they have a diorama that could be loaned out when the city is not using its diorama. The subcommittee is considering replacing the annual school assembly program with class room presentations by entities such as

Kids in the Bay. Kids in the Bay comes to a class room two times, and it provides an opportunity for more one-on-one training. The Subcommittee discussed the regional advertising campaign. In addition, the PIP staff will be checking on whether it makes sense to partner with Keep America Beautiful about its cigarette waste campaign. It was also suggested that children could receive stormwater and environmental training as part of after school programs.

- b. Commercial/Industrial and Illicit Discharge – Information about the December meeting was included in the TAC agenda packet. Dermot Casey mentioned that the county has a new annual permit program for mobile food facilities. The goal is to include some stormwater BMP information in the material that mobile food operators receive and must comply with.
- c. New Development – Information about the December meeting was included in the TAC agenda packet. As part of the December meeting, a field visit was held at the green parking lot demonstration project constructed at the City of Brisbane’s City Hall.
- d. Municipal Government Maintenance Activities – The subcommittee has not met recently, and its next meeting will be held on January 28.
- e. Parks Maintenance and Integrated Pest Management Work Group – Vern Bessey reported that the work group will be holding its annual workshop in February.
- f. Watershed Assessment and Monitoring – Dermot Casey reported that the subcommittee met earlier in January. Some of the items discussed included changes to the Regional Water Board’s Basin Plan to add creeks in San Mateo and other counties. The next meeting will be held on the second Thursday either in March or April. Matt mentioned that he visited all of the demonstration project sites with staff from the San Francisco Estuary Institute to evaluate monitoring opportunities. The monitoring would be funded by a West Coast Estuaries Initiative grant. All of the projects would be difficult to monitor because of the lack of locations with concentrated flows to install automated samplers.

4. PUBLIC COMMENTS

None.

5. NEXT MEETING

The next TAC meeting will be held on February 17 in San Carlos. Redwood City offered to host the March TAC meeting and South San Francisco the May meeting.

6. ADJOURNED

Watershed Assessment and Monitoring (WAM) Subcommittee Report

Meeting Date: January 8, 2009

Subcommittee Action: None.

Requested Technical Advisory Committee Action or Feedback/Guidance (if any): None.

Other Information/Announcements:

- Jon Konnan passed around the 2008 Pulse of the Estuary, an annual user friendly report that documents activities of the San Francisco Estuary Regional Monitoring Program (RMP). SMCWPPP contributes about 80K each year to the RMP. In addition, Jon and a few other stormwater program representatives put in a fair amount of time going to RMP meetings and reviewing documents to help look out for stormwater program interests. Jon also co-authored one of the articles in the Pulse. One committee member asked how much production of the Pulse costs relative to the about 3M/year RMP budget. Jon said he would check.
- Jon announced that the final version of the WAM Subcommittee's fact sheet documenting SMCWPPP's efforts related to trash in urban creeks is available and can be downloaded from SMCWPPP's web site. The intent was to provide an informational piece for Regional Water Board staff, the general public, and environmental groups about the variety of current assessment and control actions that SMCWPPP is using to deal with the trash problem in local waterways and anticipated future actions.
- Jon reviewed the status of the WAM Subcommittee's FY 2008/09 pilot study in San Mateo Creek to investigate sources/pathways of trash. The study area is an approximate one-half mile reach near the bottom of San Mateo Creek where trash accumulation was identified during our fall 2006 Unified Stream Assessment (USA) creek walk and subsequent trash assessments. One dry season trash assessment of the entire study area has been completed to date during the pilot study. This assessment established a baseline before the September 2008 Coastal Cleanup Day and additional cleanup by City of San Mateo staff. Jon handed out a summary of the types of trash identified and where it accumulated along the study reach. A second assessment (rainy season) is planned for January 2009 to determine the amounts, types, and, to the extent possible, sources of trash (littering, dumping, storm drains, etc.) that has accumulated in the study area since the cleanup. A third assessment will be conducted later in the year. The group suggested postponing the second assessment until after some more rainstorms occur, since rainfall has been low to date and we have not had any large storms. Jon will review rainfall records and get back to the subcommittee regarding the timing of the upcoming assessments. The pilot study will also include litter audits in the surrounding watershed. With the help of storm drain maps, the study will attempt to connect on-land trash sources with accumulation in the creek via trash characteristics and possibly branding. Rosemary Field suggested that we consider tagging existing trash in the watershed to help trace sources to the creek.

- Regional Water Board staff is proposing additional Bay Area impaired water quality listings under Section 303(d) of the Clean Water Act. Three creeks in San Mateo County are proposed for listing due to impairment by trash and/or sediment toxicity:
 1. Colma Creek - trash;
 2. San Mateo Creek - trash and sediment toxicity; and
 3. San Francisquito Creek (partly located in Santa Clara County) - trash.

In addition, the shoreline of "San Francisco Bay Lower" is proposed for listing because of trash impairment. The Regional Water Board plans to hold a public hearing on January 14, 2009 to consider approval of each proposed listing. Jon reviewed some highlights from SMCWPPP's recent comment letter on the proposed listings:

- Proposed 303(d) listings should be limited to portions of creeks where evidence of impairment exists rather than listing entire creeks.
- Regional Water Board staff evaluated the results of trash assessments using the Rapid Trash Assessment (RTA) protocol to determine whether Beneficial Uses for non-contact water recreation and wildlife were being adversely impacted by trash. However, there are no scientific underpinnings for using the RTA to show detrimental impacts to these Beneficial Uses. Regional Water Board staff needs to have a scientific basis for using the RTA to determine trash impairment and establishing the associated thresholds that are proposed to define impairment. The results of this type of technical evaluation should be validated through a transparent and public process before using these methodologies to propose listing water bodies for trash impairment.
- The proposed basis for listing San Mateo Creek for sediment toxicity is sediment bioassay tests that found toxicity to amphipods. The sediment samples were collected from two locations near the mouth of San Mateo Creek. The project report documenting the results for most of these samples indicates that one of these sites is tidally influenced and the other site (Gateway Park), which is farther upstream, is not. However, based on SMCWPPP staff's field observations and discussions with City of San Mateo staff, both of these sites are tidally influenced. Thus it is not known whether the sediments that were associated with the toxicity originated from the creek watershed or from San Francisco Bay. Since Bay sediments have been associated with toxicity, the origin of the San Mateo Creek sediment toxicity is also uncertain. Further study should be conducted to determine whether the toxicity originates from the creek's watershed or the Bay before deciding whether there is any value to listing the mouth of this creek for sediment toxicity. Jon also reported that since SMCWPPP wrote the comment letter additional information was obtained from Regional Water Board staff that performed the reconnaissance of the Gateway Park site for the SWAMP monitoring at the site. This information supports SMCWPPP's position that the Gateway Park site is tidally influenced and we do not know the origin of the sediment that showed toxicity.

- Regional Water Board staff is planning to amend the Basin Plan to include additional Bay Area water bodies and their associated Beneficial Uses. In particular, staff is proposing to add many creeks on the Bay-side of San Mateo County that are not currently included (only two San Mateo County Bay-side creeks have designated Beneficial Uses in the current Basin Plan). This amendment potentially has important implications since once Beneficial Uses are established for a water body, if the uses are found to be impaired that could lead to the requirement for performing a TMDL. Regional Water Board staff has agreed to work with stormwater program staff on the amendment, including defining the criteria for assigning Beneficial Uses. The group agreed that working with staff on additions/changes in San Mateo County would be a good WAM Subcommittee project. The group also agreed that our scope should not be limited to the Bay-side of San Mateo County, but will also include working with staff on any proposed changes related to coast-side water bodies and their associated Beneficial Uses.
- Jon briefed the group on the status of the monitoring section (Provision C.8) of the Municipal Regional Permit (MRP). A work group of Bay Area stormwater program monitoring representatives (with Jon representing SMCWPPP) has met periodically to begin planning and scoping a regional monitoring coalition to collaborate on some of the anticipated monitoring tasks in the MRP. The work group has also met with Regional Water Board staff regarding the MRP. In response to the work group's comments, staff has indicated they are willing to consider making some changes that will make the monitoring requirements more cost-effective and reduce the overall level of effort relative to the December 2007 MRP Tentative Order, but we won't know to what extent until the next draft is released, which may happen at any time. The work group has recently proposed some MRP monitoring alternatives and estimated the associated costs, but the work group's ideas have not been reviewed by the BASMAA Executive Board yet. The work group is also comparing the level of effort among programs relative to program size.

Subcommittee Work That Affects Other Subcommittees: None

Next Steps:

- Jon will review rainfall records and get back to the subcommittee regarding the timing of the San Mateo Creek pilot study trash assessments.
- EOA will assist the WAM Subcommittee to work with Regional Water Board staff on the water body Basin Plan amendment, focusing on any proposed additions/changes to water bodies and associated Beneficial Uses in San Mateo County, including the Bay-side and coast-side.

Next Meeting Date: The next meeting will likely be 10am - noon during the second Thursday of either March or April. Jon will discuss this with Dermot Casey and then e-mail the WAM Subcommittee the recommended date. It was also noted that the WAM Subcommittee's annual field trip will likely be held in June and the location(s) selected will probably reflect our continued focus on trash in urban creeks.

DRAFT Municipal Maintenance Subcommittee Report

Gellert Clubhouse – Daly City

Meeting Date: January 28, 2009

Subcommittee Action:

1. Agreed with trash and litter control Proposition 84 work group's recommendation to request that some of the vehicle registration fee funds be used to pilot test catch basin inserts that capture trash and litter. The concept of requesting sufficient funding to fabricate and install about 100 inserts countywide was discussed.
2. Expressed appreciation to Mike Peterson and Daly City staff for agreeing to chair, staff, and host the subcommittee meetings during 2009.

Requested Technical Advisory Committee Action or Feedback/Guidance (if any): None

Other Information/Announcements:

- **Update on Trash and Litter Control Work Group.** Fred Jarvis explained that the purpose of the work group was to assist the San Mateo Countywide Water Pollution Prevention Program (Program) prepare a Proposition 84 stormwater grant application for funding trash and litter controls. The State Water Resources Control Board (SWRCB) staff's Proposition 84 Storm Water Grant Program Draft Guidelines (Guidelines) released for public comment in November would not allow grant funding for trash and litter control projects in the Bay Area because there are no approved total maximum daily loads (TMDLs). The Program submitted a draft comment letter on the Guidelines; this letter requested that grant funds be available for trash and litter control and other pollutant control projects regardless of whether TMDLs have been prepared. The SWRCB staff made a presentation to the California Stormwater Quality Association in January, and staff stated that they would not add flexibility to the types of projects that may receive grant funding. The work group met in November, and it expressed interest in applying for grant funds that would allow the countywide installation of about 100 catch basin insert trash controls. This would allow each municipality in San Mateo County to install a few inserts. Municipalities participating in the project would need to maintain the inserts, which would involve cleaning typically about twice per year. The subcommittee agreed that it would make sense to request that the TAC allow the use of some of the vehicle registration fee funds to pilot test catch basin inserts for trash and litter control. Pictures of an example full-capture trash device were shown. Questions posed were whether the top of the insert where there is a handle could be opened and how easily the insert could be removed for cleaning a pipeline.
- **Update on the January TAC Meeting.** Matt provided an update on the TAC meeting.
 1. **MRP.** The revised Municipal Regional Stormwater Permit is expected to be released during the first week of February for a 60-day public comment period. The revised permit will require the installation of full-capture trash devices for 30% of the commercial/retail land use acreage in each municipality by 2012. The Regional Water Board staff estimated that the cost for doing this would be \$28 million region-wide. The revised permit will also contain new requirements for summertime monitoring of the amounts of dissolved oxygen in forebays to stormwater pump stations.
 2. **Completion of Green Streets and Parking Lots Design Guidebook.** This Guidebook has been completed and is available on the www.flowstobay.org website. In addition, two copies of each Guidebook were provided to each of the municipalities. Responses to the Guidebook have been very positive.
 3. **Proposed Additions of San Mateo County Creeks and Shoreline as Impaired by Trash and Litter.** The Water Board staff is proposing additions to the federal Clean Water Act's list of

impaired waterbodies. The Water Board had a hearing on the proposed additions in January,

and it plans to adopt additions at its February meeting.

Subcommittee Work That Affects Other Subcommittees: Any request for the use of the vehicle registration funds for vehicle infrastructure trash and litter control will impact the amount of funds available for other vehicle related projects.

Next Steps: Provide assistance to municipalities in reviewing and commenting on the revised MRP once it is available for comment in early February. The General Program municipal maintenance work plan and budget for FY 2009/10 needs to be prepared for subcommittee review.

Next Meeting Date: The next meeting will be held on March 25, 2009.