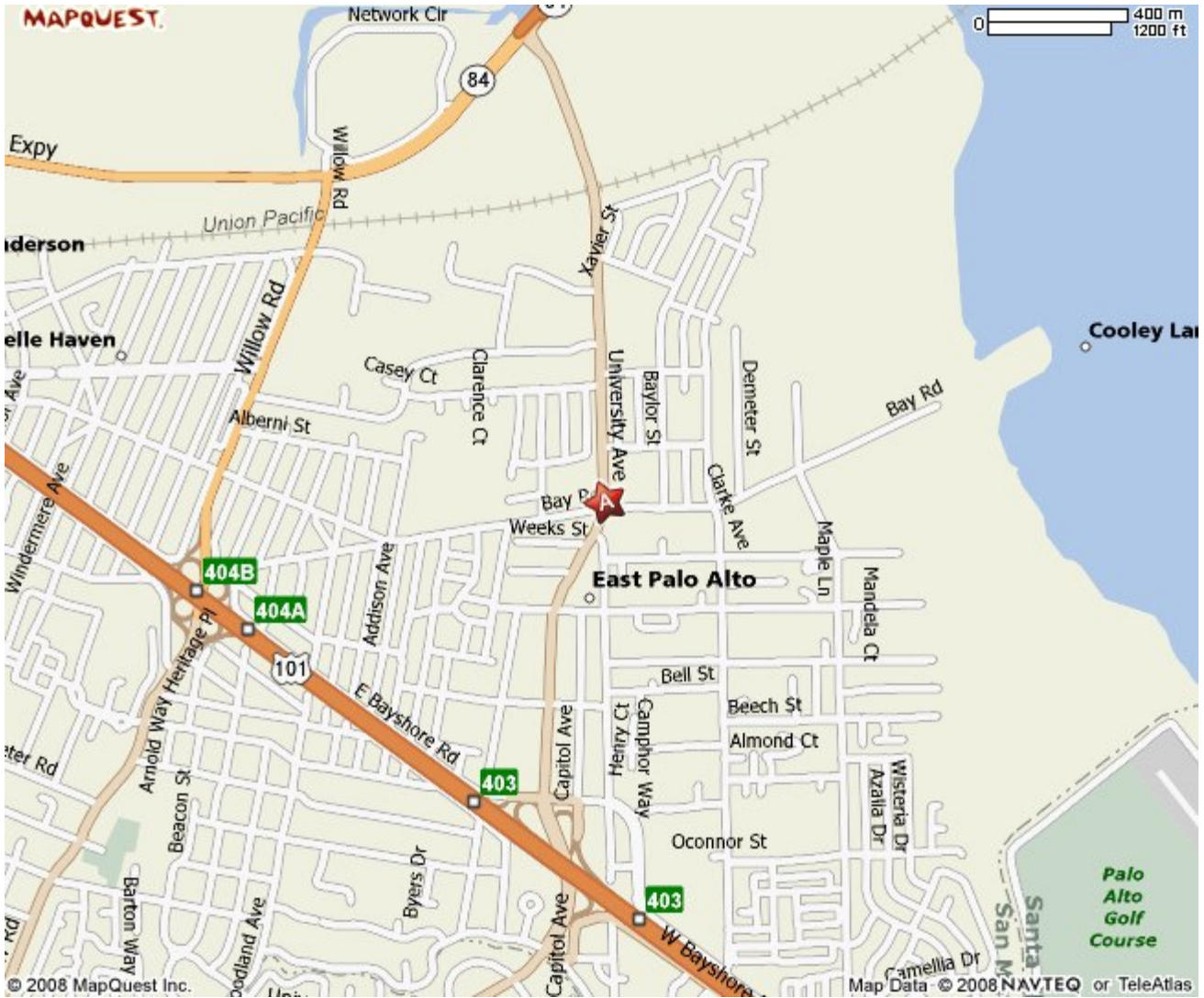


**East Palo Alto City Hall
Community Room – First Floor
2415 University Avenue – East Palo Alto**



NPDES TAC and Subcommittee Meeting Locations:

- New Development – 1:30 to 3:30 pm, first Tuesday of every other month: next meeting will be **October 6 @ Portola Valley Town Center**
- Public Information/Participation – 10:00 am – noon, second Tuesday of every other month: next meeting will be **November 10** @ San Mateo County Environmental Health, 2000 Alameda de las Pulgas, San Mateo, Atrium Room.
- 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 on **October 28** @ the Gellert Clubhouse, 50 Wembley Drive, 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 **October 27**.
- Commercial/Industrial/Illicit Discharge Control – 1:00 to 2:30 pm, usually third Thursday of every other month: next meeting will be on **second Thursday, October 8** @ 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 still TBD.

Yellow highlight denotes recent change.

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

DRAFT REPORT OF MEETING

TUESDAY, JULY 21, 2009

10:00 A. M.

CITY OF SOUTH SAN FRANCISCO

1. INTRODUCTIONS, ANNOUNCEMENTS, ADOPTION OF MINUTES, AND REVISION TO AGENDA

Self-introductions were made and the June meeting minutes were adopted as written. Matt Fabry announced that the Sustainable Green Streets and Parking Lots Design Guidebook won the American Planning Association's California Chapter Outstanding 2009 Innovation in Green Community Planning Award. The American Planning Association (APA) encourages the Countywide Program to submit a nomination for the National APA award.

He also reported that Save the Bay is interested in partnering with municipalities on a number of different types of environmental projects, such as, fees on plastic bags, bans on certain types of material, use of dental amalgam separators, controls on pharmaceutical wastes, promotion of integrated pest management, etc. Interest was expressed in finding out, once the municipal regional stormwater permit (MRP) has been adopted, what specific assistance Save the Bay may provide.

2. PRESENTATIONS

- a. California Stormwater Quality Association (CASQA) Information and Feedback – Geoff Brosseau, Executive Director of CASQA provided the following information. He and an executive assistant are CASQA's staff. CASQA is a virtual organization and a 501(c) (3) nonprofit. CASQA focuses on stormwater in California, and it functions similar to the California Water Environment Association as a professional member organization for people working in the field. CASQA formed a training committee last year. CASQA has also developed a stormwater program effectiveness assessment program.

CASQA is very involved in reviewing proposed permits. It has also been working on the construction general permit, which will contain additional requirements for training. CASQA will try to meet this training need with statewide training. There are about 80 people on CASQA's construction subcommittee. CASQA advocates from a technical and economic point of view. Its handbook will also be revised to help handbook users to comply with the new construction general permit scheduled for adoption in September.

CASQA is interested in enhancing the benefits of being a member. The NewsFlash comes out every two weeks and is available on the members' only portion of the website. Members also obtain discounts on CASQA products.

This year CASQA initiated webcasts of its quarterly meetings. The cost for viewing the webcast is the same as attending in person. CASQA's conference last year was attended by about 500 people, which was the highest attendance.

CASQA has started its true sources initiative, which addresses the real sources of pollutants found in stormwater, such as copper from brake pads and pesticides from pesticide use. The stormwater monitoring coalition is working on an LID manual. CASQA is also interested in developing an LID Guidance Handbook that will become part of the CASQA series of handbooks. The revised handbooks will be web-based and accessible via subscriptions.

Suggestions to Mr. Brosseau included: CASQA should be advocating for the creation of stormwater utilities that would be similar to other utilities, such as sewage, water, and garbage. There needs to be an agreed upon standardized basis of practice for stormwater, and this only exists now for erosion and sediment control. Field staff should continue to have access to paper copies of CASQA's handbooks.

- b. Update on Municipal Regional Permit Hearing and Follow Up – Matt reported that while the Water Board staff is planning to adopt the MRP in October, there is uncertainty about when it will be adopted. The two biggest areas where additional MRP work is proceeding are the trash and low impact development requirements. The MRP will allow a limited amount of phasing and flexibility. The Water Board staff believes that a specified amount of full-capture trash devices needs to be required by the permit. The low impact development requirements may emphasize rainwater harvesting and use, infiltration, and evapotranspiration, and where these are technically infeasible, some types of biotreatment may be allowed. The low impact development requirements being developed by the Water Board staff with assistance from U.S. EPA and the Natural Resources Defense Council staff do not effectively integrate the hydromodification management approaches the Water Board previously adopted for San Mateo and the other South Bay counties.
 - c. Preparation of Proposal for US EPA’s 2009 San Francisco Bay Water Quality Improvement Funds – Matt reported that BASMAA decided to submit applications for these \$5 million in federal grant funds independent of the San Francisco Estuary Project. The grant funds could be useful in helping the municipalities to comply with the upcoming MRP requirements. BASMAA is interested in obtaining project ideas from the municipalities. The green street demonstration projects in Menlo Park could be funded by this grant. Another possible idea would be to use the grant funds to set up databases to assist municipalities with MRP reporting.
 - d. State Water Board Workshop on Urban Runoff Reuse per Climate Change Scoping Plan – Because of a shortage of time, it was agreed to postpone this item until a future meeting.
 - e. Municipalities’ Completed Deliverables Due Now for Annual Report – Fred Jarvis expressed appreciation for the many municipalities that had completed and handed in their deliverable reports for the annual report. He requested that any additional reports be submitted by July 24 so that the information could be included in a draft version of the Annual Report that the municipalities could check for accuracy. In order to include information in the final version of the Annual Report, it must be submitted to EOA, Inc. by August 18.
3. SUBCOMMITTEE REPORTS
- a. Public Information and Participation – James Shannan provided an update on the July subcommittee meeting. A telephone survey of residents was completed in 2009, and the survey included similar questions as a survey completed in 2001. It appears that the message is getting out to people that we all have a responsibility for helping to clean up stormwater runoff. Because the booth at the county fair was expensive and difficult to staff, an alternate method of outreach will be implemented this year.
 - b. Commercial/Industrial and Illicit Discharge – The subcommittee has not met recently, but it has completed the printing of English and Spanish versions of the school maintenance staff version of Tips for a Cleaner Bay. Printed copies were distributed to municipalities that requested them, and a copy will be added to the website.
 - c. New Development – The subcommittee has not met recently, and its next meeting will be held on August 4.
 - d. Municipal Government Maintenance Activities – This subcommittee held its annual workshop in June. The next subcommittee meeting will be held on August 26.
 - e. Parks Maintenance and Integrated Pest Management Work Group – The work group will meet next on August 25.
 - f. Watershed Assessment and Monitoring – The subcommittee has not met recently, and the next meeting will be in August or September.
4. PUBLIC COMMENTS - None.
5. NEXT MEETING
- The August TAC meeting will be cancelled, and the September 15 TAC meeting will be held in East Palo Alto. The November TAC meeting will be held in Redwood City.
6. ADJOURNED

DRAFT CII Subcommittee Report

Meeting Date: August 20, 2009

Subcommittee Action:

- Agreed that the April subcommittee meeting summary was acceptable with the following changes. Information about the City of Burlingame's dental amalgam program is replaced with the following text: "The City of Burlingame's Dental Amalgam Program will be voluntary, and outreach to dentists will include site visits to ensure proper installation and use of an amalgam separators and implementation of best management practices to reduce and prevent mercury discharge. Regional brochures developed by BAPPG will be distributed during site visits."
- The subcommittee's members will review and provide comments on the draft Industrial and Commercial Business Inspection Plan (Inspection Plan).
- Once the Inspection Plan is complete it was agreed that it would be worthwhile to use the template to create an example city Inspection Plan that shows what the county would inspect and what the city would inspect.

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

Other Information/Announcements:

- **Bay Area Pollution Prevention Group.** The work group is developing a list of priorities for 2011. The FY 2008/09 projects have just been completed, and the FY 2009/10 projects have been identified. At the last meeting there was a great presentation about integrated pest management. There are more carryover funds available from previous years than expected, and these funds may be used for additional projects.
- **May Inspector Training Workshop.** The training was well received. Thirty-five people attended the training which is less than the 66 people that attended similar inspector training offered in March 2006. Municipalities may not be able to justify sending staff that are only indirectly responsible for inspections to trainings. It was mentioned that having a stormwater inspector certification by CWEA and/or CASQA would be useful. Norm Domingo mentioned that Jody Allen is interested in training the trainers and having a CWEA stormwater certification.
- **Draft Annual Report.** There have been no detectable changes in the number of illicit discharges over the last 14 years. The number of illicit discharges may increase because of an increase in the number of do-it-yourselfers created by the current economy. A number of subcommittee members mentioned that they actively look for illicit discharges. It was mentioned that sometimes soapy water is visible from a washing machine illegally discharging to the storm drain system. Norm reported that some carpet washers discharge the cleaning water to their residential sanitary sewer clean out. This water should be filtered to remove dog hair and prevent clogging the sewer lines. It was agreed that this code enforcement issue may have a low priority as long as the wastewater was going to the sanitary sewer.
- **MRP.** The most likely date for MRP adoption is October. The two big remaining issues are trash and low impact development. BASMAA staff met with Save the Bay to discuss trash requirements.
- **TAC Meeting.** Geoff Brosseau, the Executive Director of CASQA, made a presentation at the July TAC meeting. BASMAA will be submitting two applications for the use of federal San Francisco Bay Water Quality Improvement Funds to help comply with the MRP. One project will be for trash capture and the other will be to implement mercury and PCB pilot projects.
- **Training Work Group.** The training work group is developing an Inspection Plan. There may be some businesses that County Environmental Health would not typically inspect. Dermot added that the county would inspect any business that sells lighter fluid and it also inspects pool supply stores. It

would not typically inspect nurseries and limousine services. Other items on the Training Work

Group's draft list of projects for this year was also reviewed.

- **Sharing Information.** Some recent problems with illicit discharges by grease and other waste haulers was reviewed. Interest was expressed in a magnetic manhole cover lifter.

Subcommittee Work That Affects Other Subcommittees: The development of an Enforcement Response Plan needs to be coordinated with the New Development Subcommittee.

Next Steps: EOA will distribute the draft Inspection Plan for review and comment.

Next Meeting Date: Subcommittee will meet next on October 8, 2009 at 1:00 pm.

DRAFT Municipal Maintenance Subcommittee Report

Gellert Clubhouse – Daly City

Meeting Date: August 26, 2009

Subcommittee Action:

1. Agreed that the summary of the March subcommittee meeting was acceptable.
2. Agreed to skip having a training workshop this year given the declining participation in the annual workshops, the decline in the number of maintenance staff, and a lack of compelling topics that require training.

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

Other Information/Announcements:

- **Opportunities to Work with Mosquito Abatement District on Trash Issues.** Chindi Peavey and James Count from the San Mateo County Mosquito Abatement District (District) provided the following information. The District is responsible for controlling mosquitoes and rats. The stormwater permit's requirements affect both the cities and District. The District uses integrated vector control that targets the use of two kinds of bacteria and surface films to control the larval stage of mosquitoes. The District also uses mosquito fish that eat mosquito larvae. Mosquitoes go through a complete metamorphosis from eggs to adults in five to seven days. The District sprays 60,000 to 80,000 catch basins per month using 10,000 gallons of oil or surfactant. There are a lot of mosquito breeding problems in Foster City, Redwood City, San Carlos, San Mateo, and the east side of Colma and South San Francisco. Mosquitoes, such as *Culex pipiens*, love to breed in water located below ground in pipes and vaults where there is organic material. If the Water Board requires the use of trash capture inserts in catch basins, this will hinder District's ability to get its materials to the water.

Creeks have high levels of pesticides from residents' use, and these pesticides are similar to the pesticides that the District would need to use in the event of a West Nile virus outbreak or if fogging for adult mosquitoes were required.

The District walks 32 creeks and does brushing and light chain sawing. The District has initiated a pilot project in San Mateo to collect trash in creeks. Putting trash capture devices into catch basins seems like a monumental expense, and the District could offer another option by doing trash removal in creeks.

Things Cities Could Do that Would Help District

1. Clean creeks in March or April to improve access to creeks and avoid ponding of water.
2. Coordinate with District on any pesticide testing in creeks required by the new permit because District would also need to do pesticide testing in emergency cases, about once every five to ten years, when it does fog spraying of pyrethroids to kill adult mosquitoes.
3. Send the District blueprints for proposed stormwater treatment systems so they can offer advice and assure that access for mosquito control is included.
4. Work with the District before purchasing and installing any trash capture device and other BMPs because these devices may hinder mosquito control.
5. Get the garbage out of storm drains so the District can do mosquito treatment.
6. Avoid disturbing catch basins after the District has treated them.

Things the District Can Do to Help Cities

1. Allow use of its amphibious craft to help cities remove shopping carts from bay front muddy areas.
2. While District staff is walking creeks once per month, it can monitor trash levels for cities.

3. Can include educational information from cities, such as not trashing creeks, when District is doing educational outreach events at fairs and other events.
 4. Work with cities on to maintaining drainage infrastructure by assisting with permit approvals from Department of Fish and Game and US Fish and Wildlife Service.
- **Review of Annual Workshop.** The workshop was well received by the attendees who completed an evaluation form. Attendance at workshops has been declining. It was pointed out that it was hard to find workshop topics given that most topics have been covered during the annual training given over the past 16 years. There was consensus to hold the workshops every two years.
 - **Update on the July TAC Meeting and Municipal Regional Permit.** Information from this meeting was reviewed. The Water Board staff is planning to adopt the permit in October. Even if this date is missed, the permit is likely to be adopted within the next few months.

Subcommittee Work That Affects Other Subcommittees: Information about the District's concerns should be of interest to TAC members as they plan to meet the permit's upcoming trash control requirements.

Next Steps: Attempt to arrange a site visit to the rain garden demonstration project being constructed at the adjoining Serramonte Library.

Next Meeting Date: The next meeting will be held on October 28.

DRAFT New Development Subcommittee Report

Meeting Date: August 4, 2009

Subcommittee Actions:

1. Agreed to delete from the model Operations and Maintenance (O&M) Agreement the requirement for property owners to submit annual reports on treatment measure maintenance (see Item 7).
2. Agreed to update the Guidebook of Site Design Examples (see Item 8).
3. Agreed to contact the Commercial and Industrial Inspection (CII) Subcommittee regarding potential collaboration to prepare an Enforcement Response Plan (ERP, see Item 8).
4. Agreed to prepare a model green streets resolution (see Item 8)

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

Other Information/Announcements:

1. **Stormwater flyer for the construction industry**, developed by the San Francisco Public Utilities Commission, might be a good model for a future SMCWPPP flyer.
2. **Municipal Regional Stormwater Permit (MRP)**. Bay Area Stormwater Management Agencies Association (BASMAA) representatives have met with Water Board staff regarding potential revisions of low impact development (LID) requirements in Provision C.3 of the MRP, which would be more stringent than requirements in the February 2009 draft MRP. Jeannie Naughton and Paul Willis volunteered to help Matt review potential revisions.
3. **Draft Construction General Permit**. Laura Prickett gave an overview of the draft permit, which was circulated for public comment in April. The State Water Resources Control Board may adopt the permit in September or October, but it would go into effect after the 09/10 wet season.
4. **Workshop on the Sustainable Green Streets and Parking Lots Design Guidebook**. Attendees reviewed the May 28 training workshop. Feedback was generally positive. A similar workshop may be conducted in the future, perhaps if the guidebook is updated.
5. **Proposition 84 Work Group**. Proposition 84 funds are on hold. Preliminary descriptions have been prepared of eight potential green streets and parking lots projects in the San Francisquito Creek Watershed in Menlo Park. Menlo Park staff are reviewing project concepts.
6. **Other funding sources** for green streets include economic stimulus funds (the potential projects list includes SMCWPPP's green streets and parking lots projects) and EPA's Water Quality Improvement Fund. BASMAA does not plan to include green streets in its proposal to EPA.
7. **SMCWPPP's Model O&M Agreement** requires property owners to submit an annual report on maintenance of stormwater treatment measures. Property owners are not submitting reports, and this may not be an effective way to monitor O&M.
8. **Subcommittee activities** in advance of MRP adoption may include: update the Guidebook of Site Design Examples, collaborate with the CII Subcommittee to develop an ERP, develop a model resolution to support the green streets guidebook. An Alternative Certification Form is not needed.
9. **Roundtable Discussion**. The need for erosion and sedimentation control training was discussed. San Francisco Estuary Partnership will offer training in the late fall.

Work That Affects Other Subcommittees: CII Subcommittee affected by Item 8 (ERP preparation)

Next Steps:

- Email a request to the subcommittee for additional volunteers to help Matt review potential revisions of the MRP's low impact development requirements.
- Coordinate with CII Subcommittee staff regarding potential ERP development.
- Email subcommittee a template for including information on new projects in site design guidebook.

Date of Next Meeting: Next meeting on October 6 will be held at Portola Valley Town Center.

DRAFT
Parks Maintenance & IPM Work Group Meeting Summary
City of San Mateo City Hall

Meeting Date: August 25, 2009

Subcommittee Action: Agreed that it is worthwhile to extend the Green Gardener Program into San Mateo County.

Requested Technical Advisory Committee Action or Feedback/Guidance (if any): The Countywide Program should apply for a grant to fund the Green Gardener Program in San Mateo County or identify another source of funding.

Other Information/Announcements:

- **Information about the Green Gardener Program and Joint Venture Silicon Valley Network's Interest in Extending It to San Mateo County.** Vishakha Atre from the Santa Clara Valley Urban Runoff Pollution Prevention Program (SCVURPPP) and EOA described the Green Gardener Program (GGP). The GGP is focused on training staff from small landscaping companies who receive little other training on sustainable landscape maintenance practices. The training includes information about soils, plant placement, integrated pest management (IPM), irrigation, water conservation, and other topics. SCVURPPP partnered with the Metropolitan Adult Education Center in San Jose to initiate training in February 2008. The training costs \$120 per student, and this cost is subsidized by the SCVURPPP so that students pay \$40 each. The training consists of ten two-hour sessions, and it is offered in English and Spanish. The main instructor is a teacher at the Metropolitan Adult Education Center, and topic-specific experts also participate. Students receive a copy of the Green Gardener Curriculum binder. The training is not part of a certification program, but participants receive a certificate of course completion and a green gardener card.

The Joint Venture Silicon Valley supports sustainable development and practices. The group covers both Santa Clara and San Mateo Counties, and it is interested in extending the GGP to San Mateo County. Beth Ross, City of Redwood City, and Jeffery Liang, RecycleWorks attended a recent Joint Venture Silicon Valley meeting to discuss this issue. Joint Venture Silicon Valley does not fund the GGP. Fred Jarvis mentioned that he contacted County Environmental Health staff following the last Parks Maintenance and IPM meeting, and staff stated that there was insufficient funding to implement a GGP in San Mateo County this fiscal year, but it could be discussed for next fiscal year.

- **City's Ability to Control Pesticide Usage in Parks Where Homeowners Association is Responsible for Maintenance.** One city has parks that its staff maintains without using pesticides, and there is a park and street vegetation in the newer area that is maintained by three different homeowner associations. Pesticides are used by the homeowner associations to keep things looking perfect. Ronald Plummer mentioned that he responded to questions from city staff about its authority to limit the use of pesticides. The city has no control over the use of pesticides on privately-owned lands. In addition, the homeowners association cannot regulate the individual homeowners' use of pesticides. Ronald suggested that educational information about IPM be included with water, sewer, or similar bills.
- **Status of Completion of DWR's Model Water Efficient Landscape Ordinance.** This ordinance is an update of an existing ordinance that will apply to new and existing, urban irrigated landscapes. Local agencies are required to adopt the updated model ordinance or equivalent by January 1, 2010 or it will be automatically updated. DWR submitted the updated model ordinance on July 31 to the State Office of Administrative Law with changes this agency previously

requested. The model ordinance should be adopted soon. Work Group members requested

more information about what their cities are currently required to do and what the updated ordinance would require them to do. Valerie Matonis mentioned that Redwood City has a certified staff person who checks irrigation water efficiency plans.

- **Share Information on Park Maintenance Types of Issues That Affect Water Quality.** One person mentioned that his city would like to minimize the amount of water that is lost by fire hydrant shearing at night. A lot of chlorinated water flows to the storm drain when this occurs. Another person mentioned that their city has smart meters that email you if too much water is running because of a leak. Several leaks have been found by these meters.
- **October Meeting.** Items the work group would like to discuss at the October meeting include the following: planning for the next workshop; more information about water efficient landscaping; update on search for funding for the GGP.

Subcommittee Work That Affects Other Subcommittees: Continue to discuss with the PIP Subcommittee possible funding of the GGP in San Mateo County.

Next Steps: Talk with PIP staff about the GGP.

Next Meeting Date: The next meeting will be held on October 27.