



# SECTION 6

## PESTICIDE MANAGEMENT

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## 6. PESTICIDE MANAGEMENT ACTIVITIES

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### INTRODUCTION

The goals and objectives of the Program's Urban Runoff Management Plan (URMP) include: effectively prohibiting non-storm water discharges to storm drains and watercourses; reducing pollutants in storm water discharges to the "maximum extent practicable" (MEP); and not causing or contributing to violations of water quality standards, as required by the Program's NPDES permit. The Program's approach to meeting these goals and objectives focuses on the use of best management practices (BMPs) for source control and pollution prevention.

The Program's approach to pesticide management has a similar focus on source control and pollution prevention. Program BMPs for pesticide management have included significant outreach efforts to residents, businesses, and municipal staff to provide education and achieve behavior changes relative to uses of pesticides and less toxic pest control methods. Outreach efforts have been supplemented by monitoring studies to define the problem; participation in regional monitoring and organizations to address pesticide issues; and development of performance standards and local pest management plans.

### BACKGROUND

Diazinon and chlorpyrifos have been identified in recent studies as causing toxicity in local creeks and wastewater treatment plant effluent. In May 1999, the U.S. Environmental Protection Agency (USEPA) listed San Francisco Bay and 35 Bay Area urban creeks as impaired by diazinon under Section 303(d) of the Clean Water Act (CWA). The 303(d) listing triggered the need for USEPA and the State to develop Total Maximum Daily Loads (TMDLs) for the impaired waterbodies. The San Francisco Bay Regional Water Quality Control Board developed a draft TMDL work plan that calls for an urban creeks diazinon TMDL to be developed by June 2002, followed by an Implementation Plan by June 2003.

The Program's NPDES Permit Provision C.9.d. includes specific requirements for a pesticide control program. The Program and Co-permittees must develop and implement a pesticide control plan that addresses municipal uses of pesticides, including diazinon and other lower priority banned pesticides (e.g., chlordane, dieldrin, and DDT) and the use of these pesticides by others within municipal jurisdictions. The permit provision also requests that the Program continue to work with the Urban Pesticide Committee, BASMAA, and the California Stormwater Quality Association Pesticide Committee to assess impacts of pesticide use and encourage actions by other state and federal agencies.

As required by Permit Provision C.9.d., the Program developed a Pesticide Management Work Plan (Pesticide Plan) and submitted it to the Water Board on June 26, 2001. The submittal to the Water Board included a preliminary draft Pest Management Performance Standard and municipal pesticide use surveys completed by each Co-permittee. After receiving comments from Water Board staff, the final Pesticide Plan and Pest Management Performance Standard were provided in the Program's *FY 02-03 Work Plan* (dated March 1, 2002).

The purpose of the Pesticide Plan is to control pesticide-related toxicity in urban runoff, by minimizing pesticide use and reducing the amount of pesticides in storm water and landscape runoff to the maximum extent practicable. The Plan identifies the goals of each work plan element, actions, monitoring mechanisms and schedules. The Plan also identifies whether

actions will be implemented at the Program level, municipality level, or both. The details of municipality actions and schedules were provided in individual Co-permittee pest management plans submitted with the Co-permittees' FY 00-01 Annual Reports.

During FY 08-09, the Program continued to implement ongoing Pesticide Plan tasks (all one-time tasks have been completed). This Annual Report provides information on the progress of these ongoing tasks.

## PAST PESTICIDE MANAGEMENT ACTIVITIES

The Program has, since its inception, actively participated in a number of activities aimed at understanding water quality problems in creeks and San Francisco Bay and reducing pollutants, including pesticides, to the MEP. The Program's earlier Work Plans and Annual Reports have presented the history of the Program's and Co-permittee's pesticide-related activities in the areas of monitoring and science, outreach and education, URMP implementation and correspondence with Water Board staff regarding these activities.

## IMPLEMENTATION OF FY08-09 PESTICIDE MANAGEMENT TASKS

Table 6-1 presents the status of the FY 08-09 ongoing pesticide management tasks. The table references tasks in the SCVURPPP Pesticide Plan (rev. 2/15/02) and the related performance standard and/or permit provision. More details on the accomplishments for and effectiveness of, some of the key elements of the Pesticide Plan are provided below.

### Outreach and Education

Highlights of Program PI/P activities specifically related to pesticide use that were accomplished in FY 08-09 include:

IPM Store Partnership Program – The Program contributed funds to and participated in, the Regional IPM Program and implemented the local IPM Partnership Program in 28 stores. Program staff routinely visited the participating stores for restocking literature racks and updating shelf-talkers. A major success in FY 08-09 was the decision by the Home Depot corporate office to have all Home Depot stores in California participate in the OWOW Store Partnership Program. There are 10 Home Depot stores in the Program's jurisdiction. Program staff developed and mailed a letter to all ten store managers explaining the OWOW Program and how it is implemented locally. This was followed by in-person meetings with store managers to obtain feedback on how they would like Program staff to set-up their stores. Store managers have been very receptive to the OWOW Program. All Santa Clara Valley Home Depot stores were set-up with the OWOW literature rack and shelf-talkers by July 2009. Additional details are included in Section 3 and Appendix B-8.

The Program contracted with Ms. Annie Joseph to conduct store employee training. Ms. Joseph trained approximately 160 employees representing 10 stores. In addition, she worked with two participating stores, SummerWinds (Cupertino) and Ace Hardware (Willow Glen, San Jose) to implement the "Increasing Shelf Space for Less-Toxic Products" projects. Her work included: 1) meeting with pesticide buyers at stores; 2) motivating them to increase the store's inventory of less-toxic products; and 3) building endcap displays showcasing these products. Additional details on this project are included in Appendix B-8.

- Media Advertising – Messages about less-toxic pest control were included within Watershed Watch advertising. Advertisements were placed in local community newspapers and radio

stations. Additional details on the media campaign are copies of advertisements are included within Section 3 and Appendix B-3.

- Outreach at Events – Program, Co-permittee and Watershed Watch staff conducted IPM outreach at ten events. Approximately 5,500 IPM fact sheets, brochures and giveaways (pencils, activity books, magnets, etc.) were distributed to the public.
- Going Native Garden Tour – The Program provided funding to support the Going Native Garden Tour held on April 19, 2009. Approximately 5,000 people attended the tour. The tour featured 53 gardens (25 of these were new to the tour) that demonstrated environmentally sensitive gardening practices.
- Santa Clara Valley Green Gardener Training - In FY 07-08, the Program piloted the first *Santa Clara Valley Green Gardener* training which is an educational initiative that brings quality training to professional landscapers, gardeners and landscape maintenance workers on how to “garden green.” Each training session consists of ten 2-hour classes, held once a week for ten weeks. The training is conducted in collaboration with the Metropolitan Adult Education Program (MAEP), and the Master Gardeners of Santa Clara County.

The Program conducted four training sessions in FY 08-09. This included two sessions conducted entirely in Spanish. The Program provided funds toward student fees, guest speaker fees, Spanish interpreter fees, and supplies (soil probes, magnifying lenses, and Good Bug Bad Bug charts).

The Program conducted outreach to inform local landscape maintenance businesses about the training. Outreach to residents was also done to inform them about the availability of trained Green Gardeners. Outreach efforts included the following:

- Mailing letters and flyers to local landscaping businesses;
- Advertising on English and Spanish radio station;
- Posting training announcements on the Watershed Watch website;
- Distributing of flyers at outreach events;
- Running training announcements in the San Jose Mercury News; and
- Posting the list of trained Green Gardeners on the Watershed Watch website.

In FY 08-09, Bay Friendly Landscaping contacted Program and Co-permittee staff about its interest in expanding into Santa Clara County. Bay Friendly Landscaping, which is implemented by StopWaste.org (the Alameda County Waste Management Authority and the Alameda County Source Reduction and Recycling Board operating as one public agency), offers a training program that is similar to the *Santa Clara Valley Green Gardener* Program. Program and Co-permittee staff met with representatives from Bay Friendly Landscaping to discuss how the two training programs could be implemented to compliment each other.

Copies of all *Santa Clara Valley Green Gardener* outreach materials are included in Appendix B-9.

## Monitoring and Science

Monitoring and TMDL-related activities that were accomplished in FY 08-09 include:

- Continued to fund the Regional Monitoring Program for Water Quality in the San Francisco Bay Estuary (RMP) at \$176,580 in FY 08-09 and participate on the RMP steering and technical committees to focus RMP resources on 303(d) problem pollutants

(including pesticides). One study completed by the RMP focused on evaluating toxicity to amphipods at 12 sites known to be contaminated, with the goal of developing better methods to determine toxicity. The results were reviewed by the Toxicity Work Group (part of the Exposure and Effects Work Group) who recommended the RMP should evaluate use of freshwater organisms in river sampling stations where salinity is low and develop a statewide collaborative workgroup and research effort to address causes of persistent toxicity. Investigation and evaluation of methods are currently being discussed within the RMP.

- Attended the Urban Pesticide Committee meetings and participated in discussions on pesticide impacts on local water bodies.
- Supported actions by the California Stormwater Quality Association (CASQA) to comment on and assist with USEPA's pesticide risk assessments. The Program's dues helped fund the CASQA consultant contract covering comment letters on risk assessments and other pesticide-related tasks.
- Completed the seventh year of sampling under the Program's Multi-Year Receiving Waters Monitoring Program, which included an evaluation of the extent, magnitude and causes of sediment toxicity in a two-mile reach of Stevens Creek. Work included initial evaluation of sediment chemistry (metals and pyrethroid pesticides) and performing sediment toxicity tests (*Hyallela azteca*) at three sites during January 2009. Subsequent work included follow-up collection and analysis for pyrethroid pesticides in sediment at seven sites during May 2009.

## URMP Implementation

### Pest Management Performance Standard

The Program's 2004 Urban Runoff Management Plan (URMP) contains a model Pest Management Performance Standard (PMPS) approved by Water Board staff that: 1) limits the use of pesticides that are known to cause or contribute to impairment of receiving waters; 2) requires use of least-toxic pest control methods by municipal employees at municipally-owned facilities; and 3) meets other requirements of NPDES Permit Provision C.9.d. The PMPS includes guidance to Co-permittees on work plan tasks and legal authority needed to implement the standard, and BMPs for protecting water quality if pesticides must be used after implementing an IPM program. The Co-permittees have updated their local URMPs to include the PMPS and have been implementing the PMPS since FY 01-02.

### Local Pest Management Plans

Co-permittees completed their local pest management work plans and submitted them as part of their FY 00-01 Annual Reports (September 15, 2001). Implementation of these Work Plan tasks began in FY 01-02. Efforts to date are described in Co-permittees FY 08-09 Annual Reports.

Additional information on monitoring and science activities, including results, is provided within Section 4; and the technical reports entitled *Watershed Monitoring and Assessment Summary Report: Guadalupe River* (Monitoring and Assessment Summary Report) (Appendix C-2) and *Investigative Monitoring Project: Potential Sources and Causes of Toxicity in Stevens Creek, Santa Clara County, California* (Appendix C-3).

## **EVALUATION OF EFFECTIVENESS**

### **Outreach and Education**

Outreach and education tasks related to pesticide reduction are evaluated in Section 3 and Table 3-1.

### **Monitoring and Science**

The Program and Co-permittee staff completed all environmental and programmatic monitoring tasks that were planned for FY 08-09. This included conducting, funding and/or participating in local and regional monitoring activities. A full description of these activities and an assessment of how effective these activities were in meeting monitoring program objectives are included in Section 4 – Monitoring Activities.

### **URMP Implementation**

Program staff successfully worked with the Pest Management AHTG, Water Board staff and other interested parties to complete a revised version of the Pest Management Performance Standard (PMPS) that was acceptable to all parties involved. The Co-permittees are now in the process of implementing the PMPS. The Co-permittees have evaluated their local pest management efforts during FY 08-09 in their individual Annual Reports.

**Table 6-1  
Status of FY 08-09 Pesticide Management Tasks<sup>1</sup>**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
<b>I. Municipal Pesticide Use</b>		
I.A.1 Develop and implement a process for tracking pesticide use on municipally owned property (PS#8). Include in the process reporting and justification for the use of OP pesticide and BMPs employed during OP pesticide use.	Annual Reporting	<b>Completed/Ongoing</b> – The Pest Management Performance Standard includes a suggested reporting process, which the Co-permittees implemented for the FY 01-02 Annual Report. The first year was focused on reporting use of organophosphate pesticides, particularly chlorpyrifos and diazinon. For the FY 02-03 Annual Report, Water Board staff requested Co-permittees to submit pesticide use summaries and not actual data. This practice was continued for the FY08-09 Annual Report.
<b>Monitoring Mechanism 1.A.1</b> Document completion of tasks in annual reports. Use pesticide-tracking process to document pesticide use.	Annually	<b>Completed/Ongoing</b> – Pesticide use summaries are included in Co-permittee FY 08-09 Annual Reports.
<b>II. Public Education and Outreach</b>		
II.A.1 Implement the Watershed Education & Outreach (WE&O) Campaign targeting the general public and include messages about less-toxic pest control and proper disposal. The Campaign will include extensive media campaign with South Bay English- and Spanish-language TV and radio stations.	Began development FY 00-01; Ongoing through 08-09.	<b>Completed/Ongoing</b> – Messages about less-toxic pest control were included within Watershed Watch advertising. Advertisements were placed in local community newspapers and radio stations.

<sup>1</sup> The status of the complete set of Program Pesticide Plan tasks is presented in Table 6-1 of the Program's *FY 03-04 Annual Report*.

**Table 6-1, continued**  
**Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
II.A.2 Develop simple, effective, targeted messages regarding proper pesticide use and disposal, effects on water quality, and IPM.	Ongoing as needed	<b>Completed/Ongoing</b> — The advertisement “Watch Out for Toxic Pesticides” which included specific pest control tips was used in Watershed Watch Campaign advertising. Additional details are included within Section 3 of this Annual Report.
II.A.3 Prepare appropriate outreach materials (e.g., fact sheets or a consumer guide regarding pest control services) to address target groups.	Ongoing as needed	<b>Completed/Ongoing</b> -- Developed through BASMAA participation. The Program continues to participate in BASMAA’s Regional IPM Partnership and Media Relations efforts to develop new IPM fact sheets and press releases. The Program purchased and distributed large quantities of the fact sheets.
II.A.4 Identify and attend community events and distribute outreach materials. (Program will attend events strategic to the WE&O Campaign.)	Annually	<b>Completed/Ongoing</b> -- Program staff, Co-permittee representatives and Watershed Watch consultant staff conducted IPM outreach at ten community events during FY 08-09. The IPM display was used at some events. OWOW fact sheets and brochures (e.g., “Grow It!” Guides,” Backyard Bugs” and “Pests Bugging You?”) were distributed. (See Section 3 of this Annual Report for details).
II.A.6. Create, update, and publicize web sites to promote IPM and reduce pesticide use.	Completed 6/02; Update as needed.	<b>Completed/Ongoing</b> -- The Watershed Watch website was launched in September 2001 and is continually updated. The website directs browsers to call the toll-free number to the Program office for information on less-toxic pest control. A web page specifically for IPM was completed in June 2002 and is updated regularly. The web page also includes many pages in Spanish and links to other sites with information on IPM.
II.A.7 Coordinate with the Master Gardeners program and use their services to train residents. Provide IPM training	Ongoing as appropriate	<b>Completed/Ongoing</b> – Since FY 01-02, Program staff has worked with Master Gardeners and San

**Table 6-1, continued**  
**Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
and information on water quality impacts of pesticide use to Master Gardeners as needed.		<p>Jose Community Garden staff to conduct IPM training programs for community gardeners. From FY 02-03 to FY 04-05, the Program conducted community IPM workshops in coordination with Watershed Watch, United Neighborhoods, Guadalupe Gardens, the Santa Clara County Household Hazardous Waste Program and Master Gardeners.</p> <p>Since FY 07-08, the Program has collaborated with the Master Gardeners to implement the <i>Santa Clara Valley Green Gardener</i> Training Program.</p>
II.A.8 Create and/or publicize existing IPM demonstration gardens (such as the garden at the San Francisco Bay Wildlife Refuge in Alviso).	Began FY 01-02; Ongoing	<p><b>Completed/Ongoing</b> – Since FY 01-02, the Watershed Watch Campaign has partnered with the Don Edwards San Francisco Bay Wildlife Refuge at Alviso. The Alviso site has a pesticide-free native plant demonstration garden. Workshops at this location are promoted on the Watershed Watch website.</p> <p>Since FY 03-04, the Program has provided promotional support for the Going Native Garden Tour. In FY 08-09, approximately 5,000 people attended the tour which featured 53 gardens. Featured gardens demonstrate environmentally sensitive gardening practices which include the use of native plants, water conservation, landscaping to prevent urban runoff, reducing pesticide and fertilizer use, etc.</p>
II.A.9 Continue to fund BASMAA Regional Media Relations Campaign featuring pitches to Bay Area media and responses to breaking news on pesticide-related topics.	Ongoing.	<p><b>Completed/Ongoing</b> – SCVURPPP funded this campaign as part of its BASMAA baseline dues for FY08-09. Program staff participated in meetings of the work group and reviewed draft products. (See</p>

**Table 6-1, continued**  
**Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
		Section 3 of this Annual Report for additional details)
<p>II.A.11 Identify consumer and business publications that could include articles about IPM or less toxic pest management, submit articles or letters to the editor, and encourage them to print them.</p>	<p>Ongoing</p>	<p><b>Completed/Ongoing</b> -- An article describing impacts of pesticide use on water quality and containing hints for pesticide-free pest control was developed in December 2004 and sent to select publications. The article was included in the April 2005 issue of the <i>Tideline</i> magazine and was also placed on the Friends of Guadalupe Gardens website in October 2004. In January 2008, an article on the <i>Santa Clara Valley Green Gardener</i> Training Program was published in the California Landscape Contractors Association (CLCA) newsletter. In FY 08-09, a press release on the Green Gardener Training was developed and sent to various publications. The press release received coverage in several media outlets including the Almaden Times-Weekly, Santa Cruz Sentential, Urban Agriculture News, San Francisco Chronicle, and San Jose Mercury News.</p>
<p>II.A.12 Implement a “Pesticide User Outreach” project targeting residential and commercial users.</p>	<p>FY 01-02 through FY 08-09</p>	<p><b>Completed/ Ongoing</b> -- A Pesticide User Outreach Work Plan is developed and implemented each year, as Program budget allows. Tasks implemented include the media advertising campaign (as part of the Watershed Watch Campaign), local IPM Store Partnership Program, restaurant outreach, IPM workshop, IPM outreach at events, IPM outreach to special districts and development of an outreach article.</p>

**Table 6-1, continued**  
**Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
<p>II.A.13 Provide information on less toxic pest control (e.g., IPM techniques, municipal IPM policies, model contract language, training opportunities, etc.) to neighboring special districts (e.g., Valley Transportation Authority, sanitary and utility districts, open space districts, vector control districts, and school districts) as appropriate.</p>	<p>FY 01-02 through FY 04-05</p>	<p><b>Completed</b> – VTA, open space and vector control district staff were invited to the Program’s IPM Workshop in March 2003 and provided copies of the Program’s Pest Management Performance Standard. In January 2005, a letter explaining the impact of pesticide use on urban runoff was developed and mailed (along with IPM fact sheets) to all special districts within the Co-permittees’ jurisdiction. The cover letter and list of special districts were included in the FY 04-05 Annual Report.</p>
<p><b>Monitoring Mechanism II.A.1.</b> Document or estimate numbers of residents reached by outreach efforts, including events, web site promotion, municipal employee outreach, and media advertising. Monitor responses to outreach efforts through documentation of calls to the Program’s general and watershed campaign hotlines.</p>	<p>Annually</p>	<p><b>Completed/Ongoing</b> -- See Section 3 of this Annual Report.</p>
<p><b>Monitoring Mechanism II.A.2.</b> Survey local public attitudes and behavior to evaluate the success of outreach efforts and the saturation of outreach messages. (Program will conduct countywide survey as part of evaluation of WE&amp;O Campaign. Program may also conduct surveys to evaluate effectiveness of specific projects.)</p>	<p>FY 03-04, FY 04-05, and FY 08-09</p>	<p><b>Completed/Ongoing</b> – In FY 08-09, a Countywide survey was conducted to evaluate the success of the WE&amp;O Campaign. Some of the survey questions tracked the publics’ knowledge about various pollutants (including pesticides), which affect the water quality in San Francisco Bay. Survey results indicate that 22 percent of residents use less-toxic ways to control pests in their home and garden. More details on the results are included in Section 3 of this Annual Report.</p> <p>Details of the stores partnership program evaluation and IPM outreach events are described in Section 3.</p>

**Table 6-1, continued**  
**Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
		<p>In October and November 2004, the BASMAA Regional IPM Committee conducted a customer intercept survey to evaluate the OWOW Store Partnership Project. The survey included interviewing 375 customers at 5 stores in Santa Clara County. The evaluation indicates that:</p> <ul style="list-style-type: none"> <li>• Overall, 31% of the people interviewed were aware of the Our Water Our World promotion.</li> <li>• The fact sheet garnered the highest recognition among the four items (16%), followed by the logo (15%).</li> <li>• Of the people who had identified at least one of the promotional items in Q3 (n=104), 82 percent said that these items helped them identify less-toxic products or methods.</li> </ul> <p>The detailed survey report was included in the FY 04-05 Annual Report.</p>
<p>II.B.1 Continue to fund and participate in the BASMAA Regional IPM Partnership.</p>	<p>Ongoing</p>	<p><b>Completed/Ongoing</b> -- SCVURPPP funded this program as part of its BASMAA baseline dues for FY 08-09. Program staff participated in meetings of the work group and reviewed draft products. See Section 3 for details.</p>
<p>II.B.2 Continue to implement cost-effective elements of the IPM Store Partnership Program, as identified in the work plan developed for Action Item II.A.12. Create and provide fact sheets and other materials to pesticide retailers to facilitate point-of-purchase outreach. Visit stores as necessary to ensure ongoing participation.</p>	<p>Ongoing</p>	<p><b>Completed/Ongoing</b> – The Program continued to implement the IPM store partnership program in 28 stores in Santa Clara Valley. Program staff also contacted Home Depot Stores in Santa Clara Valley about their participation in the OWOW Program. All Home Depot stores were set-up by July 2009.</p>

**Table 6-1, continued**  
**Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
II.B.3 Offer IPM training opportunities to pesticide retailer employees through coordination with Master Gardener-taught educational programs. (See Action II.A.7.)	Ongoing	<b>Completed/Ongoing</b> – The Program contracted with Ms. Annie Joseph to provide training on selling less-toxic products to store employees (See Tasks II.A.12 and Section 3). The training was attended by 160 employees representing 10 stores. A summary of evaluations received is included within Appendix B-8 of this Annual Report
<b>Monitoring Mechanism II.B.1.</b> Document number of participating stores, materials distributed and employees trained. Evaluate the cost-effectiveness of the IPM Store Partnership Program each year. Implement the evaluation component of the Pesticide User Outreach work plan each year.	Annually	<b>Completed/Ongoing</b> -- See Section 3 and Table 3-1 of this Annual Report.
<b><u>III. Pest Control Operators (PCOs)</u></b>		
III.A.3. Develop and conduct accredited workshops for PCOs that focus on IPM techniques.	Done	<p>On November 4, 2003 the Program conducted an IPM workshop for PCOs.</p> <p>In FY 08-09, the Program continued to implement the <i>Santa Clara Valley Green Gardener Training Program</i>. The Program conducted four classes (two in English and two in Spanish) this year. Additional details are included in Section 3 and Section 6 of this Annual Report.</p> <p>In FY 08-09, Bay Friendly Landscaping contacted Program and Co-permittee staff about its interest in expanding into Santa Clara County. Bay Friendly Landscaping, which is implemented by StopWaste.org (the Alameda County Waste</p>

**Table 6-1, continued**  
**Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
		Management Authority and the Alameda County Source Reduction and Recycling Board operating as one public agency), offers a training program that is similar to the <i>Santa Clara Valley Green Gardener</i> Program. Program and Co-permittee staff met with representatives from Bay Friendly Landscaping to discuss how the two training programs could be implemented to compliment each other.
III.B.1. Identify and work with PCO trade organizations to develop industry standards for BMPs to protect water quality, through participation in UPC and BASMAA.	Ongoing	<b>In Progress</b> – Program will work with the UPC and a consultant to accomplish this task.
<b>Monitoring Mechanism III.A.1.</b> Document the numbers of PCOs receiving presentations and/or training and pesticide use by PCOs on municipal property.	Done	Nineteen PCOs attended the November 4, 2003 training.  Twenty-seven landscape maintenance professionals completed the FY 07-08 <i>Santa Clara Valley Green Gardener</i> training. Fifty-one landscape maintenance professionals completed the Green Gardener Training in FY 08-09.
<b><u>IV. Commercial Businesses</u></b>		

**Table 6-1, continued**  
**Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
<p>IV.A.1 Research reports and surveys of commercial business pesticide use and other stormwater programs' and POTWs' efforts to address this issue. Develop recommendations and a work plan (including an evaluation component) to provide outreach on less toxic pest control to target businesses in the South Bay, as appropriate and cost-effective.</p>	<p>FY 02-03 through FY 07-08</p>	<p><b>Completed/Ongoing</b> – The SCVURPPP IPM Work Group decided to use San Francisco's "Setting a Table for Pests" poster for outreach to restaurants. This item was approved by the Santa Clara County Department of Environmental Health inspectors for inclusion in their new food facilities packet for distribution to new or remodeled food facilities during routine inspections. Copies of this poster were provided to County Health Inspectors from FY 02-03 to FY 07-08. The poster is currently out-of-print. If needed, the Program will consider reprinting the poster.</p>
<p><b>IV.A.2</b> Develop and implement education programs that target commercial businesses, per recommendations from Action IV.A.1</p>	<p>Ongoing;</p>	<p><b>Completed/Ongoing</b> – As described above, the Program distributed the "Don't Lay a Table for Pests" poster to new or remodeled food facilities through County Health Inspectors. Beginning FY 03-04, the Program has also focused on educating employees at local hardware stores and nurseries on selling less-toxic products to consumers.</p>
<p><b>Monitoring Mechanism IV.A.1.</b> Document outreach efforts targeting businesses, as recommended in the work plan to be developed by the Program. Implement the evaluation component of the work plan.</p>	<p>Ongoing</p>	<p>County Health Inspectors distributed the "Don't Set a Table for Pests" poster from FY 02-03 to FY 07-08. The number of posters distributed was reported in the Annual Report each year.</p>
<p><b><u>V. Household Hazardous Waste Collection</u></b></p>		
<p><b>V.A.3</b> Work with HHW collection agencies to support, enhance, and help publicize programs for proper pesticide disposal (PS #7).</p>	<p>Ongoing; began FY 00-01</p>	<p><b>Ongoing</b> – In FY 07-08, the Watershed Watch Campaign continued to educate consumers on proper pesticide disposal through outreach events and distribution of educational material. The County HHW</p>

**Table 6-1, continued  
Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
		<p>Program collected 1,000 pounds of dursban and diazinon in FY 08-09. In addition, the County HHW Program also collected 170,250 pounds of poison liquids, and 112,250 pounds of poison solids</p> <p>In FY 05-06, the Program contacted all participating stores to ensure that employees were aware of the stop-sale date for diazinon. This follow-up indicated that all stores were aware of the stop-sale date and had taken diazinon off their shelves for proper disposal.</p>
<p><b>Monitoring Mechanism V.A.1.</b> Document that household hazardous waste collection programs adequately serve residents and businesses and that any exchange programs do not exchange organophosphate or banned pesticides.</p>	<p align="center">Annually</p>	<p><u>County HHW</u> -- No residents were turned away with the exception of those who brought munitions, explosives or radioactive waste. Collection facilities and events have expanded in number. The County operates a material reuse program that allows residents to take usable items (e.g., paint, left by other residents). This program does not include banned pesticides exchange.</p> <p><u>Palo Alto</u> – No Palo Alto residents were turned away. Palo Alto does not have an exchange for the items brought for disposal.</p>

**Table 6-1, continued  
Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
<p><b>Monitoring Mechanism V.A.2.</b> Document quantities of pesticide disposal at household hazardous waste collection facilities (only possible on a county-wide basis at present).</p>	<p align="center">Annually</p>	<p>County HHW – Although the grant award to conduct public education on dursban and diazinon has ended, the County HHW Program collected 1,000 pounds of these two pesticides.</p> <p><u>Palo Alto</u> -- 50,389 pounds of pesticides were collected from residents during FY 08-09. This represents a decrease from FY 07-08 (57,428 pounds were collected in FY 07-08).</p>
<p><b>VI. <u>County Agricultural Commissioners – All Tasks Completed</u></b></p>		
<p><b><u>VII. New Development</u></b></p>		
<p><b>VII.A.4</b> Develop and propose enhanced reporting format for documenting use of pesticide reduction measures at development sites. (Draft Permit Provision C.3.n.)</p>	<p align="center">Annual Reports</p>	<p><b>Completed/Ongoing</b> -- A section for documenting pesticide reduction measures required of project applicants is included in the Program’s model data collection form for collecting other development project data prior to implementing C.3. (i.e., impervious surface area). The reporting form included in the Planning Procedures Performance Standard for annual reporting of information on Group 1 projects allows Co-permittees to more specifically list the pesticide reduction measures required.</p>

**Table 6-1, continued  
Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
<b><u>VIII. Monitoring and Science</u></b>		
<b>VIII.A.1.</b> Continue financial support of the Regional Monitoring Program (RMP). Continue to actively participate in the RMP advisory and technical committees to focus RMP resources on 303(d) problem pollutants, including OP pesticides.	Annually	<b>Completed/Ongoing</b> – The Program contributed \$176,580 to the RMP in FY 08-09. Program staff attends the RMP Technical Review Committee meetings and prepare meeting summaries for Management Committee.
<b>VIII.A.2.</b> Work with Water Board staff to refine the problem statement for the diazinon TMDL and determine data needs, with assistance from the BASMAA Pesticide Work Group.	FY 01-02 through FY 05-06	<b>Completed</b> – The Program participated in a regional data collection plan through the Clean Estuary Partnership (CEP). The TMDL was adopted.
<b>VIII.A.3.</b> Participate in a coordinated regional plan to collect data for the diazinon TMDL, as defined in the RWQCB/BACWA/BASMAA MOU.	FY 01-02 through FY 05-06	<b>Completed</b> – The Program participated in a regional data collection plan through the CEP. The TMDL was adopted.
<b>Monitoring Mechanism VIII.A.1.</b> Submit monitoring data and reports to the Regional Water Quality Control Board and other interested parties (such as USEPA) per the reporting schedule in the Program’s Multi-Year Receiving Waters Monitoring Program.	FY 02-03 and beyond	<b>Completed/Ongoing</b> – The Program completed and submitted its seventh Watershed Monitoring and Assessment Summary Report in September 2009 (See Appendix C-2 of the <i>FY 08-09 Annual Report</i> ).
<b><u>IX. Regional, State, and Federal Coordination</u></b>		
<b>IX.A.1.</b> Support actions by the California Stormwater Quality Task Force (now California Stormwater Quality Association) Pesticide Committee to comment on and assist with USEPA’s pesticide risk assessments.	Ongoing	<b>Completed/Ongoing</b> – SCVURPPP provided funding to CASQA’s consultant contract that funded Geoff Brosseau’s and Kelly Moran’s efforts to review risk assessments and provide comments on behalf of the CASQA member agencies.

**Table 6-1, continued**  
**Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
<p><b>IX.A.2.</b> Through participation in the UPC and CASQA, work with the U.S.EPA, the California Department of Pesticide Regulation, and the pesticide industry to eliminate uses of pesticides likely to enter surface water from those listed on product labels.</p>	<p>Ongoing</p>	<p><b>Ongoing</b> – Program staff regularly participates in the UPC and CASQA and support efforts to eliminate uses of pesticides that cause risk to water quality. The CASQA General Meeting on May 9, 2008 addressed “True Source Control” and included a presentation on pesticide regulation as a means of source control. The CASQA Pesticide Subcommittee provides regular updates to the CASQA members.</p>
<p><b>Monitoring Mechanism IX.A.1.</b> Document correspondence with U.S. EPA and the California Department of Pesticide Regulation and successes in achieving changes in registered uses and labeling that protect water quality.</p>	<p>Annually</p>	<p><b>Completed/Ongoing</b> – Copies of correspondence sent by the CASQA Pesticide Committee, with support from SCVURPPP, are provided to the Management Committee and the Water Board. Successes related to protection of water quality were the banning of chlorpyrifos, limiting uses of diazinon and convincing EPA that its Offices of Pesticides and Water needed to coordinate their efforts.</p>
<p><b>IX.B.1.</b> Participate in the activities of the Bay Area Stormwater Management Agencies Association, the California Storm Water Quality Association, and the Urban Pesticide Committee and communicate Program efforts.</p>	<p>Annually</p>	<p><b>Completed/Ongoing</b> – Program staff regularly attended BASMAA, CASQA (General and Executive Committee) and UPC meetings to communicate Program efforts (see Appendix A-2 for list of meetings attended during FY08-09).</p>
<p><b>IX.B.2.</b> Participate in the activities of the Bay Area Stormwater Management Agencies Association, the California Storm Water Quality Association, and the Urban Pesticide Committee and communicate Program efforts.</p>	<p>Annually</p>	<p><b>Completed/Ongoing</b> – Program staff regularly attended BASMAA, CASQA (General and Executive Committee) and UPC meetings to communicate Program efforts (see Appendix A-2 for list of meetings attended during FY08-09).</p>
<p><b>IX.B.3.</b> Participate in the activities of the Bay Area Stormwater Management Agencies Association, the California Storm Water Quality Association, and the Urban Pesticide Committee and communicate Program efforts.</p>	<p>Annually</p>	<p><b>Completed/Ongoing</b> – Program staff regularly attended BASMAA, CASQA (General and Executive Committee) and UPC meetings to communicate Program efforts (see Appendix A-2 for list of</p>

**Table 6-1, continued**  
**Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
		meetings attended during FY08-09).
<b>IX.B.4.</b> Participate in the activities of the Bay Area Stormwater Management Agencies Association, the California Storm Water Quality Association, and the Urban Pesticide Committee and communicate Program efforts.	Annually	<b>Completed/Ongoing</b> – Program staff regularly attended BASMAA, CASQA (General and Executive Committee) and UPC meetings to communicate Program efforts (see Appendix A-2 for list of meetings attended during FY08-09).
<b>IX.B.5.</b> Collaborate in technical studies to support TMDL development and implementation. (See Action VIII.A.3.)	As Needed.	<b>Completed/Ongoing</b> – The Program participated in a regional effort (i.e., Clean Estuary Partnership) to develop TMDLs.
<b>IX.B.6.</b> Participate in the activities of the Bay Area Stormwater Management Agencies Association, the California Storm Water Quality Association, and the Urban Pesticide Committee and communicate Program efforts.	Annually	<b>Completed/Ongoing</b> – Program staff regularly attended BASMAA, CASQA (General and Executive Committee) and UPC meetings to communicate Program efforts (see Appendix A-2 for list of meetings attended during FY08-09).
<b>IX.B.7.</b> Collaborate in technical studies to support TMDL development and implementation. (See Action VIII.A.3.)	As Needed.	<b>Completed/Ongoing</b> – The Program participated in a regional effort (i.e., Clean Estuary Partnership) to develop TMDLs.
<b>Monitoring Mechanism IX.B.1.</b> Document attendance by Program staff at regional and statewide meetings and completion of regional and statewide efforts.	Annually	<b>Completed/Ongoing</b> – Appendix A-2 contains a list of meetings attended by Program staff during FY08-09. Meeting summaries are provided within Management Committee packets.
<b><u>X. Review and Revision of Work Plan</u></b>		
<b>X.A.1.</b> Review and continuously improve the goals, actions, and monitoring mechanisms of the work plan considering results of self-evaluations, comments from Water Board staff and other interested parties, and	Annually- As Needed	<b>Completed/Ongoing</b> – The Pesticide Plan was revised twice in FY 01-02 based on comments from Water Board staff and interested parties (specifically RWQCB letters dated 8/15/01 and 12/21/01) and

**Table 6-1, continued**  
**Status of FY 08-09 Pesticide Management Tasks**

<u>Task<sup>1</sup></u>	<u>Updated Schedule</u>	<u>Status</u>
results of local performance review meetings if any.		submitted to the Water Board on October 15, 2001 and March 1, 2002, respectively.  The Plan will be updated at the beginning of the next permit cycle to correspond to the reissued permit requirements. Task evaluations are provided in Sections 3, 6, and 8 of this Annual Report.
<b>Monitoring Mechanism IX.A.1.</b> Complete revised work plan that incorporates continuous improvement items, and report on completion of work plan tasks.	Annually	<b>Completed/Ongoing</b> – See response to Action X.A.1. above and Section 6 of this Annual Report.