

BMP 1.1 Public Opinion Survey

Measurable Goal 1.1.1: *Conduct public opinion survey in Year 5.*

Status: Discussions are ongoing and implementation before Year 5 will depend on the availability of funding. The City of Santa Barbara conducted a public opinion survey this year. Of 600 persons surveyed, 300 were residents within the City and 300 were residents of unincorporated areas of Carpinteria, Summerland, Montecito and Goleta. The County will utilize these results in planning the County’s survey.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will review the results from the City survey as a basis for the County Public Opinion Survey.

BMP 1.2 Brochures

Measurable Goal 1.2.1: *Compile the number of brochures distributed.*

Status: In Year 2 the County distributed 17,017 pieces of educational material focused on preventing storm water pollution. This count includes The Ocean Begins on Your Street brochure, brochures on household hazardous waste disposal, integrated pest management, Creek Care Guides, storm drain posters, magnets, and children’s coloring and activity books. Brochures were distributed by Project Clean Water, other Public Works divisions such as Resource Recovery and Waste Management, and County supported programs such as Isla Vista Recreation and Park District, Art From Scrap, and Agua Pura. Brochures and materials were also distributed to 58 homeowners associations and 7 property management companies throughout the County.

This year the Storm Drains Lead Straight to the Ocean poster was updated and reprinted and several new educational materials were developed including a Recognizing and Reporting Stormwater Pollution pocket guide, Project Clean Water website and hotline business card and a Spanish language fotonovela entitled Carlos y el Agua Limpia. Public education and outreach materials added this year to Appendix C of the Storm Water Management Program are:

Brochures:

- Recognizing and Reporting Stormwater Pollution pocket guide (Appendix 1A)
- Santa Barbara County Recycling Resource Guide
- Don’t Plant a Pest, Central Coast Version (Cal-IPC)
- Our Water Our World Pests Bugging You pocket guide (Appendix 1B)
- Get Rid Of It; A Painter’s Guide

Additional Materials

Public Education & Outreach

- Project Clean Water website and hotline business card
- Carlos y el Agua Limpia fotonovela
- Various preventing water pollution stickers
- Our Water Our World pesticide alternatives magnet

A current list of public education and outreach materials are set forth in Appendix 1C.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to compile the number of brochures distributed while seeking cooperative opportunities with other Phase II entities to update and reprint several brochures.

Measurable Goal 1.2.2: *Reach 15% of the brochure target population each year.*

Status: PCW distributes four targeted brochures. Distribution of each brochure and the percent of each target population reached are given in Table 1-1 below.

Table 1-1 Targeted Brochure Distribution

Targeted Brochure Name	Target Population in Permit Area	# Distr.	Percent Population Reached
Helpful Hints for Horse Owners	45 stables, breeders, boarding and training facilities; unknown private boarders	52	56% of known stables, breeders, boarding and training facilities; unknown percent of private boarders
Creekside Concerns	975 creekside residents	175	18% of creekside residents
Gardener's Guide to Clean Water	134 landscape professionals; unknown number of household gardeners	483	80% of known landscape professionals through mailing and Green Gardener Program; 100% Isla Vista Rec and Park staff; unknown percent of household gardeners
A Dog Owner's Duty	24,144 dog licenses issued in 07-08	2,302	Minimum 9% dog owners up to 100% first-time dog owners through inclusion in County Animal Services, Santa Ynez Valley Humane Society and Santa Barbara Humane Society adoption packets

Brochures were distributed with both English and Spanish versions. This year Helpful Hints for Horse Owners brochures were distributed to breeders, boarding and training facilities, increasing reach to the horse owners target population. In December 2007, the Hope Ranch HOA newsletter included a 2-sided insert with information from the Helpful Hints for Horse Owners and A Dog Owner's Duty brochures, and mailed to over 700 homes. A Dog Owner's Duty was distributed to kennels, veterinary offices and grooming businesses, increasing reach to the dog owners target population.

In addition to targeted mailings and visits to community groups, targeted audience brochures were distributed when investigating complaints, at community events, to

homeowners associations and at County administration buildings during Water Awareness Month in May. One property management company requested 1,000 A Dog Owner's Duty brochures for distribution to property owners and tenants.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to reach 15% of the targeted population and will seek opportunities to maximize the distribution of targeted materials through existing pathways.

BMP 1.3 Project Clean Water Website

Measurable Goal 1.3.1: *Compile the number of website hits annually.*

Status: The website received 97,013 visitors in Year 2.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to compile the number of website hits annually.

Measurable Goal 1.3.2: *Increase hits to the website by 10% per year.*

Status: The number of visitors to the website was 27,928 in Year 1. This year the website received 97,013 visitors, a 247% increase, far surpassing the target increase of 10% per year.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to promote the use of the website and update the website regularly with upcoming events and announcements.

Measurable Goal 1.3.3: *Develop improvements to increase utility of website.*

Status: A number of improvements were made to the website in Year 2 to increase its utility. The website was expanded to include pages on low impact development, car washing, power washing, water quality at home and the NPDES permit requirements. A calendar of events, revised construction and post-construction pages, and stand-out "Favorites" icon were also added.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to update and add new website features, information, links and pages with information on all aspects of water quality.

BMP 1.4 Community Events

Measurable Goal 1.4.1: *Compile the number of events organized or attended with displays as well as the number of people who attended each event.*

Status: County staff and County-supported water quality related programs sponsored, had booths at, or provided educational materials on water quality related topics for 16 events attended by a total of 39,602 people in Year 2. The targeted population to be reached during these events is residents of the urban unincorporated areas of North and South County. Events including Cinco de Mayo and Family Day in the Park were chosen to target the Latino population and the Santa Maria Trade Show was chosen to target business owners and operators. A summary of each event is given in Table 1-2 below.

Table 1-2 Community Events

Event	Display Topic	Location	# of People in Attendance
Creek Week	Water quality	South County	500
Santa Ynez Materials Collection (October, 2007)	Hazardous waste disposal	North County	337
Environment Fair at Marian Medical Center	Water quality, sustainable landscaping	North County	150
Goleta Lemon Festival	Water quality	South County	5,000
Goleta Health Fair	Water quality, watersheds	South County	530
Santa Barbara Earth Day Festival	Water quality, sustainable landscaping, hazardous waste disposal, recycling	South County	10,500
Earth Day County Display & First Thursday	Water quality, sustainable landscaping, hazardous waste disposal, recycling	South County	600
Isla Vista Earth Day	Water quality, hazardous waste disposal, recycling	South County	2,000
Santa Maria Earth Day	Water quality, hazardous waste disposal, recycling	North County	600
Vandenberg Earth Day	Water quality, sustainable landscaping, hazardous waste disposal, recycling	North County	250
Santa Ynez Materials Collection (April, 2008)	Hazardous waste disposal	North County	385
Cinco de Mayo	Water quality, cigarette butt disposal	South County	6,000

Public Education & Outreach

Event	Display Topic	Location	# of People in Attendance
Family Day in the Park	Water quality, watersheds	North County	6,500
Wonders of Water, Santa Barbara Zoo	Water quality, watersheds	South County	1,750
Santa Maria Parks & Rec "Egg"stravaganza	Cigarette butt disposal	North County	2,000
Santa Maria Valley Trade Show	Water quality	North County	2,500

The County was a lead organizer for the Creek Week Festival in October. Festival activities included a water quality forum, creek clean ups, water quality monitoring, nature walks, volunteer creek restoration, and a community reception. For Wonders of Water, the County and City of Santa Barbara partnered to create an interactive, climb-through storm drain exhibit for kids in addition to an informational booth. At the Earth Day festivals, Goleta Lemon Festival, and other community events, the County had displays and gave out information about water quality, sustainable landscaping and hazardous waste disposal. Other County displays featured interactive displays of the importance of healthy watersheds and proper disposal of cigarette butts.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will remain a lead organizer of Creek Week in October, and will continue to attend other community events in North and South County. Proper disposal of household hazardous waste will continue to be promoted at community events by Resource Recovery and Waste Management.

Measurable Goal 1.4.2: *Reach 15% of the permit area population each year.*

Status: Based on a 2000 census unincorporated population of 162,000, the County reached 24% of the permit area population through this BMP, exceeding the goal of 15%.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will organize Creek Week in October, and will continue to attend community events in North and South County. Proper disposal of household hazardous waste will continue to be promoted at community events by Resource Recovery and Waste Management.

BMP 1.5 South Coast Watershed Resource Center

Measurable Goal 1.5.1: *Maintain the use of the Watershed Resource Center for youth education and other programs.*

Status: The Year 1 Annual Report proposed eliminating MG 1.5.1 and replacing it with three new measurable goals, modifying them to reflect the changes that have occurred regarding the management and use of the WRC since the first SWMP was written. In Year 2, the County maintained the Watershed Resource Center (WRC) for youth education, public meetings and community events and programs through existing displays, laboratory space, and classroom meeting areas. In July of 2007 management of the WRC transitioned from Community Environmental Council (CEC) to Art From Scrap (AFS) through a sublet agreement. The County is contracted with AFS to provide youth education through classroom presentations and field trips to the WRC. This year 757 students visited the WRC as part of the County's youth education program, 776 persons utilized the WRC for community meetings, and 578 persons attended community events and programs held at the WRC.

This year, several new educational public programs were implemented including regularly scheduled Family Fun Days and week long summer camps for children ages 5-12.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will work with AFS and other community groups to promote the use of the WRC for youth education and community programs. WRC brochures and displays will be evaluated for up-dating as needed. The term of the WRC lease with CEC expires at the end of Year 3. This year the County will review the lease options for the building.

Measurable Goal 1.5.2: *Compile the number of visitors to the Watershed Resource Center each year.*

Status: In Year 2 a total of 2,111 people visited the Center through the youth education and community programs.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will work with AFS and other community groups to promote the use of the WRC for youth education and other community programs.

Measurable Goal 1.5.3: *Facilitate the use of the Watershed Resource Center for at least two community events each year.*

Status: In Year 2, the County utilized the WRC during Creek Week for a "Watershed Day" which included water quality testing, use of microscopes to look at creek invertebrates, an interactive watershed model and other educational activities. A Family Fun day was scheduled around Earth Day featuring similar activities.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to utilize and promote the WRC for community events and will conduct tours of the WRC to develop awareness of the resources the Center has to offer.

BMP 1.6 Educational Programs for Children

Measurable Goal 1.6.1: *Educate 30% of school children (K-8) every two years.*

Status: In Year 2, the County educated 2,465 students in the permit area through classroom presentations, field trips, and school assemblies. Outreach in the permit area educated about 18% of unincorporated students in grades K-8 based on a total unincorporated K-8 population of 12,196 (Santa Barbara County Education Office). In Year 1, the County educated 2,361 students throughout the permit area, about 21% of unincorporated students (based on a total unincorporated K-8 population of 11,506). The measurable goal for this BMP is 30% of K-8 students in permit area by the end of Year 2. Combining Years 1 and 2, 39% of school children were educated, exceeding the 30% target.

The County provided youth education through programs run by Art From Scrap, Agua Pura, Public Works Department's Resource Recovery and Waste Management Division and PCW.

- Art From Scrap's Creek Kids Series teaches children about watersheds and how polluted storm water reaches the ocean via storm drains and creeks. One element of the series is a field trip to the WRC where students learn where common water pollutants originate and what they can do to reduce storm water pollution. The students then conduct a beach clean-up and collected materials are sorted and analyzed. Orcutt students' field trip is to the Cabrillo Aquarium located in Lompoc. This year Art From Scrap educated 729 students in South County and 439 students in North County.
- Agua Pura specializes in outreach to Latino youth. Their program teaches children about watersheds and watershed health in after-school settings. This year Aqua Pura educated 838 students County-wide.
- County Resource Recovery conducts waste reduction workshops for K-8 students through Waste Management in North County and Art From Scrap in South County. The total number of students reached through this program in Year 2 was 14,535 (not included in the total number of students reported above).
- PCW staff gave lessons and provided information on storm water pollution prevention at various school assemblies and other youth events such as the Girl Scouts Water Drop Patch event, educating a total of 459 students.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to support storm water education in North and South County public schools in unincorporated areas through Art From Scrap. In Year 3 that program is planning to expand into the Santa Ynez area. PCW will offer water quality education resources to schools such as water quality testing kits to teachers

and will continue to do outreach to schools with an emphasis on large group presentations and events such as health fairs, school assemblies, and science nights.

Measurable Goal 1.6.2: *Administer pre-and post presentation evaluations to 70% of the total number of students targeted for evaluation.*

Status: The Year 1 Annual Report review by the Regional Board required the County to amend this MG to provide a percentage of the total number of students targeted for evaluation. In Year 2 pre- and post presentation evaluations were targeted to Creek Kids Series students and only to those present for all of the three lessons that comprise the series (Appendix 1D). Evaluations were given to 718 students representing 24 of 24 Creek Kids series' in North County and 11 of 11 Creek Kids series' in South County. 100% of the total number of targeted students was given the evaluations.

Proposed Modifications: None.

Proposed Year 3 Activities: Pre- and post presentation evaluations will be given to at least 70% of the total number of students targeted for evaluation. Participants in the Creek Kids series will continue to be targeted for these evaluations.

BMP 1.7 Storm Drain Marking

Measurable Goal 1.7.1: *Complete storm drain marking by the end of year two.*

Status: The marking of all known storm drain inlets is complete in the South County permit areas. The marking of all known storm drain inlets in the North County permit areas were completed by August 31, 2008. Field checking of storm drain drop inlets has coincided with the installation of storm drain markers and the locations have been marked with GPS (see BMP 3.1). County staff marked a total of 345 storm drain inlets in Year 2. PCW is continuing to utilize bilingual markers composed of durable steel.

Proposed Modifications: None.

Proposed Year 3 Activities: The County will continue to update the existing storm drain inventory and database of storm drain inlets and marker conditions.

Measurable Goal 1.7.2: *Maintain storm drain markers throughout the permit area by checking markers every year and replacing them as necessary.*

Status: In Year 2 storm drain marking efforts concentrated on the installation of unmarked storm drains. Included in the count of 345 storm drain inlets marked in Year 2 are 10 markers that were installed to replace old, missing, or damaged ones. Storm drain markers are replaced on an as-needed basis based on systematic inspection and random visit during enforcement activities.

Proposed Modifications: None.

Proposed Year 3 Activities: Damaged or deteriorated storm drain markers will be replaced.

BMP 1.8 Storm Water Hotline

Measurable Goal 1.8.1: *Maintain hotline and document its usage.*

Status: The hotline was maintained through Year 2 and received a total of 221 calls. The hotline has been maintained in collaboration with other local government offices so that residents who call are connected directly to the responsible agency depending on the nature of the call or the location of concern.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to maintain the hotline and document its usage.

Measurable Goal 1.8.2: *Promote use of hotline by publicizing on printed materials and website.*

Status: The hotline was promoted this year through printed materials including print ads, magnets and brochures. This year a general PCW business card, displaying the hotline and website, was developed, printed and distributed. The hotline was also printed on bus ads that were installed on MTD buses in March through December. The direction “Call 1-877-OUR-OCEAN to Report Water Pollution” is given on all new printed materials, bus ads, and on the website.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to promote the use of the hotline by including it on all newly printed materials, bus and print ads and on the website.

BMP 1.9 Green Gardener Program

Measurable Goal 1.9.1: *Train 100 landscape professionals annually.*

Status: A total of 104 gardeners were certified through the Green Gardener Program in Year 2. To encourage participation, the Green Gardener Program was promoted County wide through 274 radio ads and 2 press releases.

All landscape professionals that attended Green Gardener classes were trained in reducing polluted runoff and received brochures on BMPs appropriate for commercial and residential gardening and Our Water Our World fact sheets on integrated pest management.

Proposed Modifications: None.

Proposed Year 3 Activities: The Green Gardener Program will continue to be promoted County wide through print and radio ads, press releases, website postings and distribution of brochures at community events.

Measurable Goal 1.9.2: *Implement and promote use of self-assessment tools by Green Gardeners.*

Status: The County and its partners developed a self-assessment tool that is used by each landscape professional to rate his or her gardening practices relative to certain standards (Appendix 1E). The self-assessment tool was designed to replace the water quality study, which was evaluated in Year 1 and determined to be an impractical and inappropriate means of assessing the effectiveness of the Green Gardener Program. The self-assessment tool was available in English and Spanish and administered during Green Gardener classes and offered as a re-certification option in Year 2.

Proposed Modifications: None.

Proposed Year 3 Activities: The County will implement and promote use of the self-assessment tool by Green Gardeners.

Measurable Goal 1.9.3: *Obtain customer surveys or self-assessment tools from a minimum of 25 certified gardeners during years 2-5.*

Status: A total of 42 customer surveys and self-assessment tools were collected from certified gardeners in Year 2 (18 customer surveys and 24 self-assessment tools, Appendix 1F). It is expected that the number of certified gardeners who complete customer surveys will decrease as the self-assessment tool is now an option for re-certification. Both types of assessments will be useful for evaluating the program and its effectiveness.

Proposed Modifications: None.

Proposed Year 3 Activities: The County will compile and include the results of the self-assessment tool in the Year 3 Annual Report.

BMP 1.10 Landscape Education Program

Measurable Goal 1.10.1: *Reach 1,500 community members annually through materials and events.*

Status: In Year 2, the County reached 11,350 community members with landscape information through Earth Day events and Water Awareness Month, 3,320 with distribution of IPM information through participating Our Water Our World (OWOW) stores and 508 through composting workshops, one-on-one interaction at tabling events,

and County sale of compost bins. Also in Year 2, County TV regularly aired a program called Garden Wise Guys. Garden Wise Guys covers topics that include integrated pest management, appropriate fertilizer application, and irrigation to prevent over watering. County TV is accessible to all 400,000 residents of the County including residents in the unincorporated permit area.

In addition, the County's Resource Recovery and Waste Management Division provides landscape education, outreach and media information on the topics of backyard composting, green waste recycling and mulching (see BMP 3.3).

Proposed Modifications: None.

Proposed Year 3 Activities: Landscape education will be continued so as to reach 1,500 community members annually through materials and events

Measurable Goal 1.10.2: *Distribute at least 1,000 landscape brochures annually.*

Status: This year, PCW distributed a total of 3,654 landscape brochures. PCW continued its participation in the OWOW program by working with local store owners to display fact sheets on less toxic pest management in stores (example, Appendix 1G). The OWOW program provides information to consumers on less toxic alternatives to traditional chemical pesticides and rapid release fertilizers. PCW staff stocked eight stores in unincorporated areas and in the cities of Santa Barbara, Goleta, Solvang and Buellton with 3,320 OWOW fact sheets. Many of the stores in the cities are frequented by residents from nearby unincorporated areas. In addition, County Water Agency staff distributed a total of 334 copies of brochures covering the topics of sustainable landscaping and reducing runoff through proper lawn irrigation.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to participate in the OWOW program. Landscape education will be continued through the Water Agency and brochure distribution at community events.

BMP 1.11 Business Outreach

Measurable Goal 1.11.1: *Compile number of materials distributed annually.*

Status: This year, the County distributed 226 brochures and posters on preventing storm water pollution from business operations, and 500 brochures on proper disposal of hazardous waste generated by small businesses.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to compile the number of materials distributed annually.

Measurable Goal 1.11.2: *Document workshops and number of participants.*

Status: In Year 2, PCW co-sponsored a pervious concrete workshop with the California Construction and Industrial Materials Association held at the Santa Barbara Museum of Natural History (Appendix 1H). This workshop included an exam to certify attendees as a Certified Pervious Concrete Technician. PCW staff gave a presentation to the Santa Barbara Independent Automotive Professionals Association and held a Water Quality and Construction Best Management Practices Workshop in North and South County. To make contact with business owners in Year 2, PCW attended the Santa Barbara Chamber Business Trade Show, Santa Maria Business Trade Show and the Santa Barbara Hispanic Chamber “Green Biz” Business Show with displays and materials about storm water pollution and business practices. Combined, the program reached 2,904 business owners and managers through these events and workshops.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will document workshops and number of participants. Brochures will continue to be offered at events attended by businesspersons.

Measurable Goal 1.11.3: *Deliver brochures to businesses by hand and conduct face-to-face communication with owners and operators regarding Best Management Practices (BMPs).*

Status of Measurable Goals: County staff visited 14 businesses in the permit area as a result of complaints or discoveries of illegal discharges (see Appendix 3C and BMP 3.4) and 26 businesses as part of the Business Inspection Program (see Appendix 3H and MG 3.5.3). The business owners and operators were given brochures and educated on the law and the prevention of storm water pollution.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW and County staff will continue to deliver brochures to businesses by hand to enable more face-to-face communication with owners and operators.

Measurable Goal 1.11.4: *Participate in County Green Business Program.*

Status: In Year 2, the County participated in the implementation of a county-wide Green Business Program; <http://www.greenbizsbc.org>. PCW has been a part of the planning in order to ensure that meeting storm water pollution prevention requirements is a criterion for green business certification. This more comprehensive program replaces the PCW Restaurant Recognition Program and Green Awards Program. Over 20 County cities, utilities, agencies and non-profits have committed sufficient funding to initiate the program in three business sectors (Office and Retail, Automotive, and Hotels).

Proposed Modifications: None.

Proposed Year 3 Activities: PCW staff will serve on the Green Business Program Steering Committee. The County will continue to assist in implementing the Green Business Program in which the businesses that are certified are ones that show a commitment to water pollution prevention.

BMP 1.12 Media Campaign

Measurable Goal 1.12.1: *Co-sponsor at least two media campaigns each year.*

Status: This year, PCW sponsored or participated in four media campaigns. First, PCW co-sponsored bilingual clean water ads on the interior and exterior of MTD buses in cooperation with the cities of Goleta and Santa Barbara (Appendix 1I). MTD buses have a ridership of about 1 million persons per year. In Year 2 the ads targeted excessive fertilizing and pet waste.

Second, in association with Creek Week, PCW co-sponsored with the City of Santa Barbara print ads in three local newspapers, and placed radio ads on Rincon Broadcasting stations La Preciosa, Radio Bronco and K-Lite reaching all of South County.

Third, for Earth Day, PCW placed ads in three South County newspapers, two of which were in special edition sections dedicated to Earth Day (Appendix 1J). Ads in connection with Earth Day were also placed in two North County newspapers, one of which was in a Spanish language weekly publication. The ads contained information on ways in which residents can prevent storm water pollution.

Fourth, the County's Resource Recovery Division ran a two-week print ad campaign in North and South County newspapers on proper hazardous waste disposal.

Proposed Modifications: None.

Proposed Year 3 Activities: As part of its media campaign, PCW will continue to run bus ads in partnership with the cities of Goleta and Santa Barbara. Other media campaigns will be centered around Creek Week, Pollution Prevention Week, Earth Day, or Water Awareness Month.

Measurable Goal 1.12.2: *Target advertisement of Project Clean Water website to increase the number of visitors to the website.*

Status: The website was included on all PCW print ads and is printed on all PCW produced brochures and correspondence. A new business card was developed this year which features the PCW website and hotline. Website use is documented in BMP 1.3.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will continue to promote the website in print ads, brochures, and through other planned advertising.

BMP 1.13 Latino Outreach

Measurable Goal 1.13.1: *Document number of Spanish brochures distributed, Latino events attended, and students reached.*

Status: To reach Spanish speaking residents in the county, PCW co-sponsored ads on Univision television in cooperation with the cities of Goleta and Santa Barbara. The ads, which were run over a 12-month period, focused on making the connection between storm drains and local creeks and the ocean. The ads reached an estimated 133,300 Spanish-speaking persons county wide. As described under the BMP 1.12 Media Campaign, the County also co-sponsored bilingual clean water ads on MTD buses.

Approximately 1,800 Spanish language brochures and educational items were distributed this year through community events, mailings, and groups such as Agua Pura and Resource Recovery. In Year 2 the fotonovela created in Year 1 about preventing storm water pollution was printed and 200 copies were distributed at community events and through youth education. Fotonovelas, popular throughout Latin America, are comic-book style narratives that use photographs to tell a story with a message.

PCW partnered with Agua Pura to bring a Spanish language interactive display to Family Day in the Park, a large event in North County that attracts primarily Latino families. Agua Pura also hosted Spanish language displays and activities at several community events including Creek Week and Earth Day. The County's Public Health Department attended the Lompoc Flower Festival and Cinco de Mayo with a Spanish language representative and display on proper disposal of cigarette butts and promoting tobacco free parks and beaches.

Through its support of Agua Pura, the County provided watershed and storm water education to 848 Latino students through school science fairs, health fairs and other events. The children learn about pollution, erosion, flood control and other important water quality issues. Creek walks are incorporated into the curriculum when feasible.

Proposed Modifications: None.

Proposed Year 3 Activities: In Year 3, PCW will again co-sponsor an ad campaign on Univision. PCW will continue to partner with Agua Pura to bring a Spanish language interactive display to Family Day in the Park. Agua Pura is also planning on developing another volume of fotonovela. PCW will pursue opportunities to reach the teenaged Latino population through cooperation with Youth CineMedia and other community based organizations. These media outreach efforts will be coordinated with County departments and other local agencies with overlapping responsibilities.

BMP 1.14 Incentives for Built-Out Areas

Measurable Goal 1.14.1: *Research grants/apply and implement incentive program by Year 3.*

Status: Grant funding opportunities to support the County’s storm water program, including incentives for built-out areas, were researched and compiled this year.

In Year 1, the County hired Wallace Group to evaluate its development review procedures. One component of the scope of work was to research incentive programs used by other holders of NPDES permits and to gather recommendations for an incentive program in Santa Barbara County. The findings and recommendations are included in the final report which is available at http://www.sbprojectcleanwater.org/post_construction.html.

Proposed Modifications: None.

Proposed Year 3 Activities: PCW will develop and implement the incentive program this year.

BMP 1.15 Tributary Signage

Measurable Goal 1.15.1: *Research grants or propose program funding to install signs where County roads cross major tributaries of first order streams in the permit area by Year 3.*

Status: Installing signs identifying the major tributaries of first order streams (e.g., streams that lead to the ocean) in the County permit area is intended to improve public awareness and appreciation of the urban creek systems. The signs would include the name of the creek along with an anti-pollution message. In Years 1 and 2, PCW compiled and maintained a list of grant sources that may be available to fund the tributary signage and other programs.

Proposed Modifications: None.

Proposed Year 3 Activities: The County will pursue funding from the Coastal Impact Assistance Program for tributary signage.

BMP 2.1 Steering Committee

Measurable Goal 2.1.1: *Maintain South County Stakeholder Committee meetings quarterly and document attendance.*

Status: The South County Stakeholder Committee met four times in Year 2; July 2007, October 2007, January 2008 and April 2008 (Appendix 2A). Total attendance for the year was 28 persons.

Proposed Modifications: None.

Planned Year 3 Activities: PCW will continue to convene quarterly Stakeholders meetings in South County and attendance will be documented.

Measurable Goal 2.1.2: *Maintain North County Stakeholder Committee meetings quarterly and document attendance.*

Status: In Year 2 the North County committee met quarterly one week after the South County committee. The committee met in July 2007, October 2007, January 2008, and April 2008 (Appendix 2A). Total attendance for the year was 11.

Proposed Modifications: None.

Planned Year 3 Activities: PCW will continue to convene quarterly Stakeholders meetings in North County and attendance will be documented.

Measurable Goal 2.1.3 : *Advertise Stakeholder meetings and present topics of interest to encourage participation.*

Status: The Stakeholder meetings were advertised via e-mail, through postings on community calendars, in local publications and on the radio. Additional flyers for the April construction workshop were sent to the Santa Barbara Contractors Association, Homebuilders Association, Santa Maria Valley Contractors Association. All agendas were posted on the PCW website. A summary of each meeting and topic is given in Table 2-1 and a list of active Stakeholders is given in Table 2-2 below.

Table 2-1 Stakeholder Meetings and Topics

Meeting Date	Location	Topic
July, 2007	North & South County	Business Inspection Program
October, 2007	North & South County	Storm Water Ordinance
January, 2008	North & South County	Illicit Discharges
April, 2008	North & South County	Construction Program Evaluation; Permitting & Practices

Table 2-2 Active Year 2 Stakeholders

Agency or Organization

Art From Scrap	Santa Barbara Channelkeeper
City of Santa Barbara	Urban Creeks Council
Heal the Ocean	URS Corporation

Proposed Modifications: None.

Planned Year 3 Activities: PCW will seek to improve attendance by collaborating with other Phase II agencies, select topics of interest, and seek additional advertising opportunities.

Measurable Goal 2.1.4: *Provide a minimum of two weeks for Stakeholder review of draft annual reports.*

Status: The Year 1 Annual Report review by the Regional Board required the County to amend this MG to provide specific and adequate review time for Stakeholders. The Year 2 Annual Report was posted by August 29 and a public workshop was held on September 10. The County provided 17 days for public review by stakeholders. Submittal of the annual report to the Water Board was on September 15.

Proposed Modifications: None.

Planned Year 3 Activities: PCW will provide a minimum of two weeks for Stakeholder review of annual report.

BMP 2.2 Public Meetings and Forums

Measurable Goal 2.2.1: *Organize and facilitate working group meetings as necessary to engage local agencies and organizations on ongoing mutual and emerging issues.*

Status: In September and April the County, City of Santa Barbara, Community Environmental Council, Surfrider, and Channelkeeper met to discuss utilization of the Watershed Resource Center. In addition, agencies and public utilities began meeting in April 2008 to collaborate establishment of the Green Business Program discussed in MG 1.11.4.

Proposed Modifications: None.

Planned Year 3 Activities: Working groups will continue to meet as necessary to discuss emerging issues.

Measurable Goal 2.2.2: *Sponsor a minimum of one community forum each year on relevant water quality topics and document the number of participants and issues addressed.*

Public Participation & Involvement

Status: A public forum was held in October 2007 as part of Creek Week. The forum topic was called “Marine Debris – Creeks to the Sea” presented by Marcus Eriksen of Algalita Marine Research Foundation and Holly Lohuis of Jean-Michel Cousteau’s Ocean Futures Society (Appendix 2B). Over 80 community members attended.

Also in April Year 2, the County co-sponsored with the City of Santa Barbara the Department of Conservation forum on the California Watershed Program held at the Watershed Resource Center. 35 community members attended.

Proposed Modifications: None.

Planned Year 3 Activities: A public forum will be planned during Creek Week in October 2008.

BMP 2.3 Coordination Among Agencies

Measurable Goal 2.3.1: *Maintain quarterly meetings of the regional Intergovernmental Committee and document attendance and actions.*

Status: Four meetings were held in Year 2 with a total of 26 attendees representing seven Phase II agencies (Appendix 2C). A number of cooperative efforts came out of this year’s meetings and communication between PCW and other agencies.

- Coordination and communication among regional agencies was maintained during the Phase II enrollment schedule and updates concerning SWMP reviews and approval.
- PCW staff is co-chair on the CASQA Phase II subcommittee and acted as the primary contact for the other Phase II partners. PCW took the lead in sharing CASQA updates and other relevant information with the other committee members.
- The County facilitated a discussion of possible future cooperative SWMP requirement opportunities; for example sharing resources and distribution of common outreach materials. PCW regularly collaborates with the cities of Goleta, Santa Barbara and Santa Maria on storm water public service announcements, event planning and other media opportunities.
- Regional Board TMDL development in the County continued with several planning meetings that were attended by the Phase II entities.
- The City of Santa Maria provided PCW with information and formatting from their “Make The Connection” pocket guide to help the County develop the “Recognizing and Reporting Stormwater Pollution” pocket guide.
- Following winter storms, UCSB contacted PCW about trash in the East Storke Wetland. PCW assisted with organizing a clean-up of the area as part of Earth Day. UCSB is working on a longer term solution for this problem area.
- PCW worked with the City of Carpinteria and the City of Goleta to ensure the continuation of storm water education for those students, populations that include a number of children who live in unincorporated areas.

Public Participation & Involvement

- The County-wide Green Business Program involves nearly all of the Phase II entities as program partners.

Coordination with agencies and organizations outside the Intergovernmental Committee included:

- PCW staff attended monthly Southern California Wetlands Recovery Project meetings.
- PCW and several other regional agencies attended the Seagrass West Coast Research and Information Plan Community Workshop.
- PCW served on the Coalition Engaged in a Smoke-free Effort Advisory Council; a collaborative effort to reduce smoking and litter at public parks and beaches.

Proposed Modifications: None.

Planned Year 3 Activities: Intergovernmental Committee meetings will continue to be scheduled and documented throughout Year 3.

Measurable Goal 2.3.2: *Continue to participate in the statewide California Stormwater Quality Association (CASQA) by participating in a minimum of four meetings per year.*

Status: In Year 2 PCW staff attended the CASQA Annual Conference held in Costa Mesa in September and two of the quarterly General Meetings held in San Diego in January and in Sacramento in November. In addition, PCW staff participated in monthly CASQA Phase II subcommittee conference calls and is co-chair for this subcommittee.

Proposed Modifications: None.

Planned Year 3 Activities: PCW will continue to participate in CASQA by attending a minimum of one meeting per year and by conference call as scheduled.

BMP 2.4 Volunteer Water Quality Sampling

Measurable Goal 2.4.1: *Sponsor volunteer sampling a minimum of twice/year.*

Status: PCW organized six volunteer water quality monitoring events in Year 2. During Creek Week events, volunteer sampling was offered at Devereux Creek (2 participants), Hospital Creek (1 participant) and at Arroyo Burro Creek during Watershed Day at the Watershed Resource Center (50 participants). Water quality monitoring was also promoted during Creek Week with Channelkeeper's Stream Team in Goleta (Appendix 2D). During Earth Day events, volunteer sampling was offered at Devereux Creek (18 participants), E. Storke Wetland (2 participants) and at Arroyo Burro Creek during Family Fun Day at the Watershed Resource Center (14 participants).

Proposed Modifications: None.

Public Participation & Involvement

Planned Year 3 Activities: PCW will organize or co-sponsor at least two water quality monitoring events, including World Water Quality Monitoring Day in September and in connection with community events.

Measurable Goal MG 2.4.2: *Document the number of participants and report on the results of constituents analyzed for each sampling event.*

Status: The Year 1 Annual Report review by the Regional Board required the County to amend this BMP to include documentation of the number of participants and report on the results of constituents analyzed. The number of participants for each sampling event is given in the discussion for MG 2.4.1. Constituents analyzed during volunteer water quality events were not recorded during Year 2 events as the Regional Board's recommendations were not received until after the conclusion of Year 2 volunteer sampling. Reporting on the results of the constituents analyzed during water quality monitoring events will commence with the Year 3 Annual Report.

Proposed Modifications: None.

Planned Year 3 Activities: In Year 3 PCW will seek greater involvement with different groups of volunteers. Reporting on the results of the constituents analyzed during water quality monitoring events will be provided in the Year 3 Annual Report.

BMP 2.5 Community Clean-ups

Measurable Goal 2.5.1: *Sponsor a minimum of four creek clean-ups per year.*

Status: Seven creek clean-ups were conducted as part of Creek Week in the fall of 2007 at Carpinteria, Franklin, Santa Monica, Mission, and San Jose Creeks. PCW hosted creek clean-ups at Hospital (1 participant) and Devereux Creeks (2 participants) (Appendix 2D).

Two creek clean-ups were conducted by PCW as part of Earth Day in the spring of 2008 at Devereux Creek (18 participants) and E. Storke Wetland (3 participants) (Appendix 2E). An additional clean-up of E. Storke Wetland was organized with a volunteer group in June (14 participants).

The City of Santa Maria decided not to move forward on a clean-up event in Santa Maria and Orcutt during Pollution Prevention Week in September 2007 until their Storm Water Management Plan was approved and a permanent level of staff was established.

Proposed Modifications: None.

Planned Year 3 Activities: The County will continue to schedule creek clean-ups during community events and with volunteer groups as needed or requested throughout the year.

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Measurable Goal 2.5.2: *Sponsor a minimum of four beach clean-ups each year.*

Status: The County was the local coordinator for California Coastal Cleanup Day in Santa Barbara County. 556 volunteers picked up approximately 2,600 pounds of trash and recyclables at 17 beaches county-wide. PCW staff acted as “beach captain” for Haskell’s Beach.

PCW hosted a beach clean-up at Isla Vista beach as part of Creek Week (4 participants) (Appendix 2D). An additional clean up of Isla Vista beach was organized by PCW with a volunteer group in January (24 participants).

Six beach clean-ups co-sponsored by PCW and the City of Santa Barbara were conducted as part of Earth Day at Miramar, East, West, Ledbetter, Hendry’s and Isla Vista beaches (a total of 70 participants) (Appendix 2E).

Beach clean-ups are performed regularly at Hendry’s Beach through the Watershed Resource Center as part of the youth education program curriculum (BMP 1.6).

County Public Works provides funding (1/3 of the total required) to support a full-time IVRPD staff person who runs an Adopt-A-Block volunteer program, organizing weekly and monthly clean-ups in Isla Vista and local beaches and mobilizing volunteers on an ongoing basis. Over 20 UCSB campus groups consistently participate in monthly community clean-ups through the Adopt-A-Block program. IVRPD also supervised community service workers assigned from Santa Barbara courts to assist with clean-up efforts. In Year 2, 3,339 volunteer hours were spent cleaning 6872 blocks (Isla Vista is made up of 108 blocks, so blocks were re-done) for a total of 123 tons of trash.

Proposed Modifications: None.

Planned Year 3 Activities: The County will continue to schedule beach clean-ups during community events and with volunteer groups as needed or requested throughout the year.

Measurable Goal 2.5.3: *Document the number of participants and report on the amount of trash collected during each clean-up event.*

Status: The Year 1 Annual Report review by the Regional Board required the County to amend this BMP to include documentation on the number of participants and report on the amount of trash collected during each clean-up event.

The number of participants for each clean-up event is given under MG 2.5.1 and 2.5.2. The amount of trash collected during each clean-up event was not fully recorded during Year 2 events as the Regional Board’s recommendations were not received until near the conclusion of Year 2. Reporting on the results of the constituents analyzed during water quality monitoring events will commence with the Year 3 Annual Report. A summary of

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the number of participants and amount of trash collected during each clean-up event is shown in Table 2-3 below.

Table 2-3 Community Clean Ups

Amount Collected	Participants	Creek or Beach	Event / Date
3 tons	unknown	Carpinteria, Franklin, Santa Monica, Mission, San Jose, Hospital and Devereux creeks. Ledbetter and Isla Vista beaches.	Creek Week
2,600 lbs	556	17 beaches County-wide	Coastal Clean Up Day
1,000 lbs	24	Isla Vista beach	January, 2008
2,000 lbs	70	Devereux Creek and E. Storke Wetland Miramar, East, West, Ledbetter, Hendry's and Isla Vista beaches	Earth Day
300 lbs	14	E. Storke Wetland	June, 2008

Proposed Modifications: None.

Planned Year 3 Activities: Reporting on the amount of trash collected during each clean-up event will commence with the Year 3 Annual Report.

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BMP 3.1 Storm Sewer Mapping

Measurable Goal 3.1.1: *Develop map showing the location of all outfalls and the names and locations of all waters of the U.S. that receive discharges from those outfalls.*

Status: The storm drain system facility map database was completed prior to SWMP approval.

Proposed Modifications: None

Planned Year 3 Activities: Add new facilities as completed.

Measurable Goal 3.1.2: *Provide ongoing database maintenance and list all revisions in annual report.*

Status: Only one revision of the storm drain facility map was made this permit year. There is a 60 inch pipe that runs from Summerland under Hwy 101 and then discharges to the beach. Field checking of storm drain drop inlets and storm drains was conducted in several of the NPDES permit areas this data was collected with a GPS and will be entered into the storm drain database this next permit year.

Proposed Modifications: None

Planned Year 3 Activities: Continue to update and maintain storm drain maps as needed.

Measurable Goal 3.1.3: *Make PDF files available by Year 1*

Status: Completed; PDF files of the storm drain system maps are posted on the Project Clean Water website:http://www.sbprojectcleanwater.org/storm_drain_atlas.html

Proposed Modifications: None

Planned Year 3 Activities: The PDF files will be updated whenever there are revisions to the maps.

BMP 3.2 Storm Water Ordinance

Measurable Goal 3.2.1: *Adopt and enforce ordinance by the end of Year 1.*

Status: The Storm Water Ordinance was drafted during Year 1. The item was brought to the Board of Supervisors as an action to set hearings on June 5, 2007. The original date set for the first hearing was July 17, 2007. However the item was rescheduled by staff due to the unforeseen circumstance of the Zaca fire. The Board approved the ordinance on September 25th 2007. Appendix 3A presents the Storm Water Ordinance hearing schedule with details. See board transmittal letter Oct 1, 2007.

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Proposed Modifications: None.

Planned Year 3 Activities: Enforcement of the Storm Water Ordinance (Chapter 29 of the County code) will continue as needed to eliminate non-storm water discharges. Warning Notices, Notices of Violation, Administrative Fines, and Criminal Prosecution will be used as appropriate.

Measurable Goal 3.2.2 : *Evaluate effectiveness of Storm Water Ordinance based on enforcement activities and abatement results. Make recommendations for improvement where inadequacies are identified; provide schedule or timetable to implement improvements Year 2).*

Status: The Storm Water Ordinance provides the County a number of “tools” including giving an inspector the right to enter a facility that shows evidence of a possible illicit discharge to the storm drain system. Since no enforcement beyond a Notices of Violation has been required so far to abate all discharges discovered in the specified amount of time the Ordinance is effective.

Proposed Modifications: None

Planned Year 3 Activities: Continue to evaluate effectiveness of the Storm Water Ordinance based on enforcement activities and abatement results. Make recommendations for improvement where inadequacies are identified.

BMP 3.3 Education & Outreach

Measurable Goal 3.3.1: *Provide Mutt Mitts for proper pet waste disposal and document usage.*

Status: This measurable goal has been implemented in accordance with the Permit Provisions of the SWMP. County staff continues to distribute Mutt Mitts at locations throughout Santa Barbara County. Since Mutt Mitt stations were installed in July 2002, over 130,000 Mutt Mitts have been utilized on the Atascadero bike trail. In addition to Project Clean Water’s efforts County Parks distributes Mutt Mitts to all County parks and many open spaces in county unincorporated areas. The distribution of Mutt Mitts has been documented and accounted for and will continue to be. For this permit year, the County distributed over 339,000 Mutt Mitts.

Proposed Modifications: None

Planned Year 3 Activities: Continue distributing Mutt Mitts.

Measurable Goal 3.3.2: *Continue implementation and provide an annual summary of County Resource Recovery and Waste Management Division’s existing recycling programs and household hazardous waste collection program (years 1-5).*

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Solid Waste Handling and Recycling. The County Resource Recovery and Waste Management Division provides a broad and comprehensive program for the management of solid waste in the unincorporated areas including collection, recycling, and disposal of solid waste, and also the abatement of illegal dumping of waste. For example, one of the most common problems is dumping of household greenwaste, especially for those properties adjacent to creeks.

The Resource Recovery and Waste Management Division of Public Works Department provide outreach and media campaigns to a wide group of targeted communities. See Appendix 3B for examples of these campaigns. The electronic recycling campaign was advertised on two occasions during Year 2, with ads running in the Independent and Goleta Valley Voice.

The following table summarizes amounts of solid and hazardous materials that are removed from the waste stream, which minimizes illegal dumping.

Table 3-1 Amount Waste Collected Recycled

Amount Collected	Waste Stream
16,125 gal.	Used oil collected through County programs (at permanent facilities, including certified collection centers in Goleta, Buellton, and Orcutt, and through curbside collection in the North County)
3,513 lbs.	Used oil filters collected through County programs (2,342 filters)
598,629 lbs.	Total waste collected at the Community Hazardous Waste Center, at UCSB
761,271 pounds	Electronic waste collected at permanent facilities (County transfer stations)
49,728 pounds	E-waste collected at temporary events
60,318 pounds	Household hazardous waste collected at Santa Ynez Valley
5,488 pounds	Household hazardous waste collected at Cuyama Valley
866 gallons (7,361 pounds)	Latex paint collected Santa Ynez Valley ABOP
588 gallons (4,998 pounds)	Used oil collected Santa Ynez Valley ABOP
54 gallons (459 pounds)	Antifreeze collected Santa Ynez Valley ABOP
61 gallons (91.5 pounds)	Number of oil filters collected Santa Ynez Valley ABOP
110 gallons (4,400 pounds)	Number of automotive batteries collected Santa Ynez Valley ABOP
195 gallons (1,657.5 pounds)	Latex paint collected North County Curbside Collection Program
317 gallons (2,694.5 pounds)	Used oil collected North County Curbside Collection Program

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Amount Collected	Waste Stream
102 gallons (153 pounds)	Number of oil filters collected North County Curbside Collection Program
1,604 pounds of trash and 1,017 pounds of recyclables	California Coastal Cleanup Day, September 15, 2007

Details on these and other recycling and reduction programs that help minimize the amount of illegal dumping that ends up in the County's waterways include:

Backyard Composting. County provides information brochure and offers greatly discounted recycling bins for sale once per year at two locations in Santa Barbara and Santa Maria.

Business Recycling Program. Business recycling is mandatory in the unincorporated areas in order to reduce the volume of the landfill waste stream.

California Coastal Cleanup Day. Coastal Cleanup Day takes place throughout the State of California and is conducted in conjunction with International Coastal Cleanup Day. California's Coastal Cleanup Day Program, organized by the California Coastal Commission and other cooperating organizations throughout the state, encourages people to learn about and actively participate in conserving natural resources. The goals of this event are to raise awareness about the issues of ocean and coastal conservation, to pick up litter, to encourage recycling, and to promote community pride. Coastal Cleanup Day allows people to take responsibility for their local waterways and creates an awareness that individual actions do make a difference. The County Public Works Department, Resource Recovery and Waste Management Division, coordinates this event for Santa Barbara County.

Christmas Tree Recycling. Recycling programs for Christmas trees are located throughout the County following the holiday season. The trees are then recovered and ground for mulch. This keeps trees from being illegally dumped into creek channels especially at road crossings where access is easy.

Construction & Demolition Debris Recycling. Construction and demolition materials that are most frequently recovered and recycled in Santa Barbara County are wood, concrete, asphalt, and metal. Gypsum wallboard, carpet, and carpet padding are also being processed and recycled in the area.

Electronics Recycling Program. Every year, hundreds of thousands of electronic items such as computers, computer monitors, televisions, printers, copiers, fax machines, and audio and video equipment become obsolete in California. Over 6,000,000 obsolete computer monitors and televisions are stockpiled in California households, according to a study conducted by the California Integrated Waste Management Board (CIWMB). A study conducted for the National Safety Council projects that more than 10,000 computers and televisions become obsolete in California every day. Further, the study also projects that three fourths of all computers purchased in the United States remain stockpiled in

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storerooms, attics, garages, or basements. Finally, only an estimated 20 percent of obsolete computers and televisions are collected for recycling. Each computer or television contains an average of four to eight pounds of lead. According to the Silicon Valley Toxics Coalition, consumer electronics comprise 40 percent of the lead found in landfills. Other types of electronic items also contain hazardous materials such as cadmium, mercury, hexavalent, chromium, PVC plastic, and brominated flame retardants. About 70 percent of the heavy metals found in landfills emanate from electronic equipment discards. The heavy metals and other toxic materials in electronic equipment can contaminate groundwater and pose other environmental and health risks. The state bans disposal of certain wastes such as batteries, electronic devices, fluorescent lights, equipment containing cathode ray tubes (CRTs) e.g. computer monitors and televisions, and mercury thermostats in the trash. Businesses that generate more than a certain amount are required to use a licensed hazardous waste hauler to manifest and transport their waste. Many household electronics are collected for free at the County's transfer stations. Information for recycling used computers is provided on the County's website:

<http://www.lessismore.org/Programs/electronics.html>

Green Award Program. In Year 2, the County participated in the implementation of a county-wide Green Business Program; <http://www.greenbizsbc.org>. PCW has been a part of the planning in order to ensure that meeting storm water pollution prevention requirements is a criterion for green business certification. This program replaces the Green Awards Program.

Green Waste Recycling. <http://www.countyofsb.org/pwd/rrwmd/CurrentActivities.htm>

The County of Santa Barbara continues to implement an outreach campaign to encourage people to recycle their green waste rather than throw it into their trash containers. The campaign is also designed to educate the public about the types of green waste that can and cannot be placed in green waste recycling containers.

Household Hazardous Waste. Brochures are distributed at all public events and at the County Hazardous Waste Center. Several apartment complexes and property management companies also distribute them to residents. Approximately 2,000 brochures of each type shown in Appendix 3B are distributed each per year. Total amount of waste collected at the Community Hazardous Waste Center during Year 2 was 598,629 pounds.

Mulch Program. Free mulch is available for pickup at both the South Coast Recycling and Transfer Station and the Santa Ynez Valley Recycling and Transfer Station. If a resident wants mulch to be delivered, there is a charge depending on the volume requested. Mulching reduces erosion and improves health of soil.

Sharps Collection Program. Home Generated Sharps (HGS) are needles, syringes with needles, and disposable lancets. HGS are collected for free Santa Barbara County Public Health Department Carpinteria Clinic, the Santa Barbara County Public Health Department Lompoc Clinic, Santa Barbara County Public Health Department Santa Barbara Clinic, Santa Barbara County Public Health Department Franklin Clinic, and the Santa Barbara County Public Health Department Santa Maria Clinic.

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Proposed Modifications: None.

Planned Year 3 Activities: Reporting on ongoing programs and commitments will continue; no additional Year 3 activities are recommended.

BMP 3.4 Spill Complaint and Response

3.4.1 Measurable Goal: *Respond to 100% of complaints of illicit/illegal discharge within 24 business hours of receiving the complaint, referral or notice.*

Status: All complaints, referrals and notices of illicit/illegal discharges are responded to within 24 business hours of receipt. See summary in Appendix 3C. Usually response is immediate since there are Project Clean Water staff available at all times during normal business hours.

Proposed Modifications: None

Planned Year 3 Activities: A 24-hour business-hour response to all complaints will continue in Year 3.

3.4.2 Measurable Goal: *Document response to complaints, notices and referrals received.*

Status: The County responded to 48 complaints and discoveries for this permit year. As shown in Appendix 3C. The data was transferred to Microsoft Access from Microsoft Excel for easier tracking and analyzing of data.

Proposed Modifications: None

Planned Year 3 Activities: Continue with documentation of response efforts by Project Clean Water staff.

3.4.3 Measurable Goal: *Respond to 100% of calls to County Departments within 24 hours. Complaints outside direct County jurisdiction are forwarded to appropriate regulatory agency responsible for elimination of illegal discharges. In such cases, County will verify course of action taken by the appropriate agency within three working days and maintain record of that outcome in the Project Clean Water database. Where the County of Santa Barbara has enforcement authority (i.e., Planning and Development, Solid Waste, Fire Department), County will respond directly and identify and control or eliminate illicit discharges.*

Status: 100% of calls to Project Clean Water have been responded to within 24 hrs as shown in Appendix 3C. Complaints outside direct County authority are forwarded to appropriate regulatory agency within 24 hrs. Where those complaints were forwarded, staff always attempted to confirm receipt of the complaint and course of action by the agency

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within 24 hours. In cases where the agency doesn't reply to such inquiries, it was not always possible to verify the course of action taken within three business days. Nonetheless, the County does and will continue to make follow up requests of other agencies immediately and continue to follow-up as appropriate.

Proposed Modifications: None

Planned Year 3 Activities: Continue response and forward complaints within 24 business hours.

3.4.4 Measurable Goal: *The County will review complaint response protocols on an annual basis, in particular for the response, follow-up, and referral outcomes, to assure that abatement and enforcement measures are being implemented. If shortcomings are identified, recommendations for improved protocols will be made. The goal of successful complaint response is to assure that illicit discharges are cleaned-up in a timely manner and enforcement action taken if appropriate, in order to protect water quality.*

Status: Responses to each complaint are reviewed during weekly PCW staff meetings. Potential improvements to response protocols are discussed in instances where current approaches are not effective. No changes were made this permit year.

Proposed Modifications: None

Planned Year 3 Activities: Continue to evaluate complaint response protocols in staff meetings and revise as appropriate.

BMP 3.5 Commercial/Industrial Facility Inspections

3.5.1 Measurable Goal: *The Fire Department is responsible for inspecting sites and monitoring their compliance with hazardous materials best management storage practices and spill response as authorized under the County's CUPA program. Fire Department shall continue to inspect and monitor all regulated commercial and industrial facilities that use, store, or generate hazardous materials/wastes. Continue reporting, recordkeeping, and spill response as directed under the current regulatory programs.*

Status: The Fire Department's County Hazardous Materials Inspection section has state mandated reporting and recordkeeping standards. Pursuant to mandated timelines, these reports will be available on September 30th and transmitted under separate cover as an addendum to this Annual Report.

Appendix 3D shows the inspection forms used for all County Fire Department inspections of businesses that generate hazardous waste or handle hazardous materials (see "Business Plan / CalARP" and "Hazardous Waste Generator" inspection forms). Based upon these forms, violations that have potential threats to water quality include:

Hazardous Waste Generator Inspection Form:

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HSC 25504(b) "...prevention/mitigation measures to protect people/environment, evacuation/notice procedures"

HSC 25507 "Immediate reporting of a release to 911 and State OEA"

Business Plans / CalARP Form:

CCR 22 66265.31 "Good housekeeping practices in place"

CCR 22 66265.171 "Containers are in good condition / inspected weekly"

CCR 22 66265.173 "Containers are closed except when adding / removing

The Regional Board's comment letter on the Year 1 Annual Report (January 28, 2008) requested information on the Inspection Summary Report for 7/1/06 – 6/30/07 (Year 1). The Inspection Summary Report for 7/1/06 – 6/30/07 was transmitted to the Regional Board on September 28, 2007. A copy of that transmittal is also shown in Appendix 3E.

The Inspection Summary Report shows businesses cited with violations that did not comply within the due date established. Because of the nature of some violations cited on the form (e.g. "housekeeping practices in place", "containers closed", "containers properly labeled") it is possible, though unlikely, that there were potential threats to water quality. Fire Department inspectors make every effort to utilize education and effective enforcement procedures to minimize the potential risk to human health and the environment. Follow-up actions are scheduled if inspectors determine there is a potential safety risk.

AS stated above, the Year 2 report including inspection summaries for 7/1/07 – 6/20/08 will be submitted to the Regional Board by September 30th.

Training was provided to all County Fire Department CUPA inspectors and hazardous materials unit staff and their managers (total: 10) on April 30, 2008, during a staff retreat at Los Alamos County Park. This training focused on awareness of NPDES permit requirements and role of Fire Dept inspectors in implementing MCM 3.0.

Proposed Modifications: None

Planned Year 3 Activities: Continue performance of hazardous materials generators inspections results in the annual report and providing annual staff training for inspectors.

3.5.2 Measurable Goal: *County Environmental Health Department is responsible for inspecting all facilities that sell or give away food. Routine inspections are conducted annually with frequent follow-up and enforcement, based upon complaints or violations. Continue ongoing reporting, record-keeping, and complaint response as directed under the current regulatory programs.*

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Status: The County Public Health Department's Environmental Health Service specialists perform routine annual inspections and complaint investigations at all retail food facilities, as authorized by Health & Safety Code Section 113725 and County Health & Sanitation Code Chapter 18. This inspection program follows state-mandated reporting and recordkeeping standards for food service facilities. The septic system inspection program is an effective program where private pumpers are required to submit reports to EHS whenever they make a septic system inspection. Thus, qualified inspectors submit regular reports that address system deficiencies including surfacing liquid waste. Results of these inspection programs for both Year 1 and Year 2 are shown in Appendix 3F.

Training was provided to all Environmental Health staff, including food service inspectors and management (total in attendance: 23) on May 16, 2008. The subject for that training was the requirements of General Permit and the ongoing role that Environmental Health inspectors provide enforcement through restaurant inspections. Three primary issues are: cleaning mats outside, dumping wash water outside, and material storage and maintenance outside. The clean water presentation was incorporated into a Division-wide staff retreat held at Lake Cachuma. This training was provided to help inspectors learn what to look for to identify possible or potential for storm water pollution during food facility inspections.

Proposed Modifications: None

Planned Year 3 Activities: Continue of food facility routine inspections and periodic training of inspectors.

3.5.3 Measurable Goal: *Perform business inspections at potentially polluting businesses and operations that are not regulated or not otherwise inspected on a routine basis by Public Health Department (Community Health Program, Liquid Waste Program) or Fire Department (CUPA Program). Measurable goals will include annual routine inspection of 50% of the prioritized businesses and operations that may be sources of illicit discharges.*

Status: This program was designed to identify and eliminate possible storm water pollution coming from those businesses with a business location within the County's SWMP permit area, and that are not otherwise inspected by Environmental Health (food service) or County Fire (hazardous waste generators). Based on recommendations from the RWQCB, revisions were made to the original Project Clean Water Business Inspection Program that was submitted in the Year 1 Annual Report. See Appendix 3G for the current revised Project Clean Water Business Inspection Program (resubmitted to RWQCB in March 2008).

During Year 1, a list of state-issued business licenses within the County's SWMP permit area was created (note: there is no County-issued business license). The list was compared to those businesses already inspected by Environmental Health (food service) and County Fire (hazardous waste generator permits); those businesses were eliminated from the Clean Water list¹. The remaining businesses were sorted by business category and those

¹ There are three NPDES industrial permitted facilities in the County's SWMP permit area: South County Transfer Station, the Orcutt Union School District, and the Southern Calif Gas Company. The Transfer

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categories with an unlikely potential to pollute were also removed from the Clean Water list (see all business classes and those targeted for Clean Water in Appendix 3G). There were 88 total businesses remaining to inspect starting in Year 2 as shown in Appendix 3G.

Out of the 88 businesses, 29 were subsequently removed because they were outside the SWMP permit area (the original sort was based upon zip code, so these businesses were within a zip code that included partial permit area coverage). Of the 59 remaining, 26 routine inspections were conducted. This represents 44% which is below the goal of 50% of the list. Of the 26 routine inspections, it was determined that some businesses were inspected by Fire Department (18), some had gone out of business (5) or home addresses representing mobile business (3). One was a service station with food facility, inspected by EHS. Therefore, out of the 26 routine inspections, only nine remain in the Clean Water list for reinspection. See discussion below regarding outcome of the inspections. The list of remaining Clean Water businesses is shown in Appendix 3H.

During Year 2, the original inspection check sheet was found to be cumbersome and overly detailed and time-consuming in the field. The revised inspection check list is shown in Appendix 3I. However, the original will be retained as a training aid for new inspectors.

Proposed Modifications: None

Planned Year 3 Activities: Continue to inspect priority businesses on a more frequent basis to achieve 50% or greater; continually update list of priority businesses through all available resources (i.e. Fire Dept, EHS, phone book, state-issued licenses, etc.). It is critical to reevaluate the list on yearly basis to track new businesses, changing addresses or names.

3.5.4 Measurable Goal: *Evaluate effectiveness of business inspections based on enforcement activities and abatement results. Make recommendations for improvement where inadequacies are identified; provide schedule or timetable to implement improvements (year 2-5).*

Status: During Year 2, there were no enforcement activities required as a result of the Project Clean Water business inspections. Although no discharges were identified, two businesses required minor corrections to improve site practices or to verify an operational practice. No written notice regarding these corrections was necessary because no discharges had occurred. Instead, information on recommended improvements / correction was provided immediately to the business manager at the time of the inspection. Follow-up visits by the inspector resulted in corrections completed within one week.

Proposed Modifications: None

Station is a County facility inspected by Resource Recovery staff and is a facility outside the scope of the Project Clean Water business inspection program. The Orcutt Union School District and Southern Calif Gas Company are each inspected by Fire Dept. under the CUPA inspection programs.

Illicit Discharge Detection & Elimination

Planned Year 3 Activities: Continue to evaluate the effectiveness of the program throughout the year and make changes as needed. It is recognized that mobile cleaners are a difficult business category to inspect and regulate. During Year 3, the County will implement an outreach program targeting mobile businesses, including but not limited to auto detailers, carpet cleaners, surface pavement cleaners, and tile/sawcutting practices.

BMP 3.6 Field Investigations and Abatement

3.6.1 Measurable Goal: *Inspect targeted urbanized creeks within the County permit area twice annually with follow-up inspections as appropriate to ensure abatement of violations.*

Status: Creeks within the permit area are walked within the permit-area boundaries by both Project Clean Water staff and Flood Control staff during the year. The following table documents the dates and discoveries, if found, during creek walks in Year 2.

Table 3-2 Creeks Walked Year 2

Stream	*Date Walked	Discoveries	Comments
Alamo Pintado	4/7/08fc, 3/15/07pcw	None	
Arroyo Paredon	3/17/08fc, 2/21/08pcw	Poor agricultural practices, Trash	Forwarded to CRCD
Atascadero	4/8/08fc, 2/28/08pcw	None	
Buena Vista	4/2/08fc, 10/11/07pcw	None	
Carpinteria	3/17/08fc, 4/5/07pcw	None	
Cieneguitas	3/18/08fc, 11/30/06pcw	None	
Devereux	3/17/08fc, 8/31/08pcw,	Trash	Creek Clean Up 4/20/08
Garrapata	3/17/08fc, 9/27/07pcw	None	
Hot Springs	4/2/08fc, 8/24/06pcw	None	
Hospital	3/18/08fc, 3/21/08pcw	Trash, Dog Waste	Creek Clean Up 4/20/08, Service Master Cleaned
Las Palmas	11/21/07pcw, 4/12/07pcw	None	
Las Vegas	3/19/08fc, 3/7/08pcw	None	
Maria Ygnacio	4/9/08fc, 3/6/08pcw	None	
Montecito	3/31/08fc, 7/27/07pcw	None	
Oak	4/2/08fc, 3/12/08pcw	None	
Orcutt /Orcutt	3/20/08fc, 3/15/07pcw	None	
Solmon			
Picay	3/17/08fc, 11/2/07pcw	None	
Romero	4/1/08fc, 11/2/07pcw	None	
San Antonio	4/3/08fc, 12/7/06pcw	None	
South Coast			
San Antonio	3/24/08fc, 6/19/08pcw	None	
Los Alamos			
San Jose	3/26/08fc, 11/1/06pcw,	None	
San Pedro	3/26/08fc, 3/7/08pcw	None	
San Ysidro	4/8/08fc, 3/20/08pcw	None	
Santa Monica	7/8/07pcw, 4/5/07pcw	None	
Tecolote	4/8/08fc, 1/18/08pcw	None	
Toro Canyon	4/2/08fc, 9/20/08pcw	None	

Illicit Discharge Detection & Elimination

Stream	*Date Walked	Discoveries	Comments
Zanja De Cote	3/26/08pcw, 6/19/08pcw	None	

*(fc = Flood Control, pcw = Project Clean Water)

Proposed Modifications: None

Planned Year 3 Activities: In addition to ongoing creek walks as described above, the complete list of waterbodies within the permit area from Table 1 of the Storm Water Management Program will be compared to the list of waterbodies walked by Project Clean Water staff historically, and additional waterbodies will be investigated for inclusion into the current creek walk program.

3.6.2 Measurable Goal: *Ensure conversion of failing septic systems to sewer when the system is within 200 feet of an approved sewer system, as determined by EHS.*

Status: This measurable goal tracks an ongoing program implemented by the County Environmental Health Services to inspect and require conversion of failing septic where a sanitary trunk line is within 200 feet, following Chapter 7 of the California Plumbing Code requirements.

In Year 2, there was one conversion of a failing septic system to sewer, where the failing system was within 200 feet of a sanitary trunk line.

Proposed Modifications: None

Planned Year 3 Activities: Ongoing requirement will continue; any conversions that occur during Year 3 will be reported in the Year 3 Annual Report.

3.6.3 Measurable Goal: *Take action to abate deficiencies that are identified on septic system pumper reports.*

Status: When a septic system is serviced, county code requires that it be inspected and that the inspector file a report documenting the results of the inspection with Environmental Health Services. When an inspection report identifies deficiencies with the system, property owners are sent notices directing them to make necessary corrections within a specified time frame. Follow-up notices are sent if the property owner fails to comply as directed by the initial notice. Escalating enforcement action is implemented against property owners that fail to correct noted deficiencies.

In Year 2, Appendix 3F shows 18 septic systems that were in failure, resulting in surfacing liquid waste. Of these, 13 were abated, and the remaining 5 were ongoing by the end of this reporting year, July 1, 2008.

Proposed Modifications: None

Planned Year 3 Activities: Environmental Health Services will continue to address deficiencies in pumper reports through Year 3 pursuant to this BMP.

Illicit Discharge Detection & Elimination

3.6.4 Measurable Goal: *Eliminate 100% of all other illicit discharges reported to or discovered by County staff.*

Status: 100% of all other illicit discharges reported or discovered by Project Clean Water staff were documented as complaints or discoveries and addressed within 24 hrs as shown in Appendix 3C. Follow-up field investigations eliminated all illicit discharges as shown in Appendix 3C.

Illicit discharges reported or discovered by Environmental Health are shown in Appendix 3F under Programs 3825 (ocean water) and 2400 (liquid wastes, such as graywater). As shown in this appendix, there were 122 complaints received in Year 2 and 121 abated, with one case ongoing as of the end of reporting year, July 1, 2008.

Proposed Modifications: None

Planned Year 3 Activities: Ongoing activities to eliminate illicit discharges will continue during Year 3.

3.6.5 Measurable Goal: *Establish and implement program to prevent ongoing recurrence of illicit discharges through sanctions and penalties applicable to those businesses and operators that have been inspected and previously cited (i.e., repeat offenders). Develop program by Year 2 and implement Year 3.*

Status: In order to prevent the ongoing recurrence of illicit discharges follow-up field investigations are conducted and the Storm Water Ordinance is utilized through escalating enforcement actions as follows. Warning Notices, Notices of Violation, Administrative Fines, and Criminal Prosecution. No recurrent discharges were found in Year 2.

Proposed Modifications: None

Planned Year 3 Activities: Implement program and measurable goals for ongoing recurrent illicit discharge program. The following are the measurable goals for implementation in Year 3. Utilize the enforcement actions provided by the County's Stormwater Ordinance to prevent the ongoing recurrence of illicit discharges by business owner and operators that have been previously inspected and cited. Utilize a systematic follow-up schedule with all businesses previously inspected and cited using Microsoft office to track the follow-up appointments.

3.6.6 Measurable Goal: *Evaluate effectiveness of abatement the program developed to prevent ongoing recurrence of illicit discharges based on enforcement activities and results. Make recommendations for improvement where inadequacies are identified; provide schedule or timetable to implement improvements (year 3-5).*

Status: To be implemented in Year 3

Illicit Discharge Detection & Elimination

Proposed Modifications: None

Planned Year 3 Activities: Resolution of recurrent discharges will be discussed in future annual reports.

Construction Site Storm Water Runoff Control

BMP 4.1 Grading Ordinance Revisions

Measurable Goal 4.1.1: *Revise Grading Ordinance prior to SWMP implementation.*

Status: Complete. See Storm Water Management Program Chapter 4.0.

Proposed Modifications: This BMP is complete; no modifications are proposed.

Planned Year 3 Activities: No additional activities are proposed for this BMP. It was completed prior to Regional Board approval of the SWMP in July 2006.

BMP 4.2 Evaluate Grading Ordinance Efficacy

Measurable Goal 4.2.1: *Compare the effectiveness of revised Grading Ordinance to the requirements of the construction minimum control measure and evaluate effectiveness. This will be based upon feedback from County inspectors, RWQCB staff, construction contractors, project owners and the public. This review will include records of violation cases and enforcement activities (year 2).*

Status: Complete. The Grading Ordinance and the development review process were evaluated to assure consistency with the General Permit requirements. In summary, the Grading Ordinance provides the County with legal authority to effectively implement the General Permit requirements. Complete discussion on this BMP is presented in the report, including opportunities for improvement of the overall program. See Appendix 4A.

Public Involvement. Two public workshops were offered to present the findings of the evaluation and provide a community overview of the Countywide procedures for protecting water quality from impacts during construction activities.

Table 4-1 Construction Workshops

<u>Date</u>	<u>Location</u>	<u>Total # Attending (# County staff)</u>
April 24, 2008	Santa Maria	6 (5)
April 17, 2008	Santa Barbara	6 (3)

The report was distributed via email to all Project Clean Water Stakeholders and simultaneously posted on the web April 10, 2008 (comments closed May 15, 2008).

In addition to stakeholders, advertising for the workshops included the entire membership of the Santa Barbara Contractors Association (in April newsletter), the Santa Maria Valley Contractors Association (electronic newsletter and announcement at General Meeting), and the Home Builders Association of the Central Coast (email).

Construction Site Storm Water Runoff Control

Feedback during the workshops was minimal. In Santa Barbara, the workshop involved questions and answers about the overall construction program; in Santa Maria, attendees were mostly contractors already familiar with the County program, and we discussed BMP implementation techniques.

Written comments on the review of the Grading Ordinance were received from Channelkeeper, David Innis and the CCRWQCB. See Appendix 4B. Comments from Channelkeeper were reflective of overall dissatisfaction with construction program. Channelkeeper was supportive of many of the recommendations for improvement and provided many of their own recommendations.

Proposed Modifications: None.

Planned Year 3 Activities: Recommendations from the report will be evaluated and addressed during Year 3. The list of recommendations is presented in Appendix 4A.

Measurable Goal 4.2.2: *If it is determined that changes need to be made to better comply with this minimum control measure, staff will make recommendations to the County Board of Supervisors to modify or revise Grading Ordinance as necessary so that it meets or exceeds all of the requirements in the General Permit (year 3).*

Status: One of the recommendations from the report, to offer training to the Building & Safety building inspector, was implemented during Year 2. Previously, training of P&D staff focused on Development Review (those individuals who review plans and submittals for discretionary permits), compliance inspectors (those that inspect during construction for compliance with project conditions), and most importantly, grading inspectors (those that inspect Grading & Drainage Plans, Erosion & Sediment Control Plans, and enforce the Grading Code).

Table 4-2 Building and Safety Staff Training

Location	Date	Number
Santa Maria	June 26, 2008	7
Santa Barbara	July 10, 2008	9

A copy of training outline and attendees is shown in Appendix 4C.

Although building inspectors are not tasked with enforcing clean water BMPs, their active participation in the program can assist in several ways. First, they are present wherever a building permit has been issued, including remodeling projects. In particular, they are present at smaller construction sites that may not otherwise be inspected by Grading or compliance staff. Second, they have authority to Stop Work; therefore contractors are attentive to their requests. So they may be able to abate a discharge immediately, or they can refer as a complaint to the grading inspector for

Construction Site Storm Water Runoff Control

follow-up. Finally, they are the last of the County inspectors to be at a project site when finish work occurs. Finish work includes painting and plastering, two common sources of non-storm water discharges. And equally important, because they spend much time driving through the unincorporated area, they are more likely to see and report discharges that may be unrelated to their inspections.

Other recommendations and opportunities for improvement shown in Appendix 4C will be reported in the Year 3 Annual Report.

Proposed Modifications: None.

Planned Year 3 Activities: In order to meet or exceed the requirements of the Phase II General Permit, recommendations from the report will be evaluated and as appropriate will be adopted. For example, a recommendation to improve tracking and reporting involves substantial improvements to the County's database software, Accella, which will be performed in Year 3.

BMP 4.3 Erosion & Sediment Control; Control of Construction-Related Wastes

Measurable Goal 4.3.1: *Implement an approved Erosion and Sediment Control plan (or SWPPP, as appropriate) on 100% of all applicable projects, as required under the Grading Ordinance.*

Status: Complete. All permitted construction projects must have either an approved Erosion and Sediment Control Plan or, for those projects greater than 1.0 acre, a Storm Water Pollution Prevention Plan prepared under the requirements of the Construction General Permit (99-08-DWQ). In other words, a County-approved Erosion and Sediment Control Plan (or Storm Water Pollution Prevention Plan) is required before an applicant can be issued a Grading Permit.

Therefore, 100% of all Grading Permits issued in Year 2 had either an Erosion and Sediment Control Plan or Storm Water Pollution Prevention Plan approved. In Year 2, there were 4,486 Grading Permits filed and 4,486 Erosion and Sediment Control Plan's (or Storm Water Pollution Prevention Plans) approved. See Appendix 4D for the list of all Grading Permits filed during Year 2.

Proposed Modifications: Ongoing requirements will continue; no changes are recommended.

Planned Year 3 Activities: Ongoing requirements will be implemented on 100% of all relevant permit applications.

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BMP 4.4 Plan Review, Receipt and Consideration of Information Submitted by the Public, and Site Inspection and Enforcement

Measurable Goal 4.4.1: *Conduct minimum of two County inspections per month during the rainy season (November 1 to April 15) on projects one acre or more of land disturbance*

Status: Not complete but ongoing. In Year 2, there were a total of 46 active grading permits with construction activities greater than one acre. Inspections at active sites occurred twice / month from Nov 1 through April 15.

Table 4-3 Active Grading Permits Sites > 1 ac Disturbance

<u>Area</u>	<u># Permits</u>	<u># Inspections</u>
North County	24	253
South County	<u>22</u>	<u>170</u>
Total:	46	423

The inspection records for the permits shown above are in Appendix 4E.

As shown in these records, there were many cases where two inspections were not completed within a month, during the period Nov 1 through April 15. The reason is because the County's Grading Division staff was reduced from four to two inspectors starting in November 2007, due to the decline in grading permit applications. Since the time this measurable goal was established until this year, the Grading Division has been able to meet the goal of two inspections per month in rainy season. However, due to the staff decrease in Year 2, this goal was not achieved for every month in all cases, as shown in Appendix 4E.

During Year 2, due to recent building code changes and new requirements to meet these inspections, the Building and Safety Division performed a time and motion study to evaluate current fees. This study showed, among other things, that the current fees charged for grading and erosion control permits is not adequate to cover costs associated with the required number of erosion control inspections and the required number of grading inspections. In other words, Building and Safety has not been collecting adequate fees for full program cost recovery. Upon the Board of Supervisor's approval of new proposed fees, Building and Safety will be able to insure adequate staff is available to meet all required inspections on an annual basis.

In addition to inspections required under the Section 14-18 of the County Code by Building & Safety Division staff, Development Review Division staff inspects construction sites that are subject to permit compliance conditions. Most discretionary projects are specially conditioned for erosion and sediment control measures as well

Construction Site Storm Water Runoff Control

as dust control measures, therefore it is a direct permit condition requiring enforcement and monitoring by County staff, especially in the winter time. Since Grading Inspectors are specifically trained in the areas of grading, drainage and erosion control, permit compliance inspectors will notify the area grading inspector of any concerns found in these areas during their routine compliance inspections.

Currently, there is no report format that lists cases and dates of permit compliance inspections. Revisions to Accella, expected to be implemented during Year 3, will improve tracking and reporting of cases greater than 1.0 acre. For example, it will include all compliance inspections that occurred.

Proposed Modifications: No changes are recommended to this measurable goal.

Planned Year 3 Activities: Ongoing program for inspections will continue and every effort made to reach the measurable goal of two inspections / month during period Nov 1 through April 15. During Year 3, the County will continue toward completion of necessary updates to the electronic tracking system, Accella, so that the results of such inspections, including compliance inspections, can easily be tracked and reporting will be improved next year. Status of a Grading Permit fee increase will be reported in the Year 3 report.

Measurable Goal 4.4.2: *Conduct minimum of four County inspections throughout project duration during non-rainy season.*

Status: Complete. See Appendix 4F for records of inspections at all active (open) grading permit locations.

Proposed Modifications: Ongoing requirements will continue; no changes to this measurable goal are recommended.

Planned Year 2 Activities: Ongoing program for inspections will continue. During Year 3, the County will continue toward completion of necessary updates to the electronic tracking system, Accella.

Measurable Goal 4.4.3: *Take enforcement action at 100% of sites where BMPs failed, which may include verbal warnings, letters to correct, Stop Work Order, use of construction bonds, etc. Also may include cooperative enforcement coordination with RWQCB, where RWQCB violations have also occurred. Where a violation of Grading Ordinance has occurred, the results of enforcement actions will be provided in the Annual Report.*

Status: Complete. In Year 2, County Grading inspectors made 1,908 grading permit inspections in the North County, and 1,223 grading permit inspections on the South County. There were no Stop Work Orders or enforcement action requiring use of construction bonds or legal action in Year 2. Verbal warnings or corrections are tracked through individual site field notes; records available upon request.

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Proposed Modifications: Ongoing requirements will continue; no changes are recommended.

Planned Year 3 Activities: No additional activities proposed.

Measurable Goal 4.4.4: *Review and act on all information submitted by public (complaints and discoveries) to Project Clean Water concerning construction site activities within 24 hours.*

Status: Complete. There were nine incidents concerning construction-related wastes submitted to, and responded by, Project Clean Water staff. See Appendix 4G (all complaints/discoveries from the Project Clean Water records are in Chapter 3.0 IDDE appendices).

Proposed Modifications: Ongoing commitment will continue; no changes recommended.

Planned Year 3 Activities: Continued response to all information submitted to PCW concerning construction site activities.

Measurable Goal 4.4.5: *Review and act on all info submitted by public to Building & Safety Division within three days*

Status: Complete. It is Building & Safety policy to respond to all complaints within three days. All complaints called into P&D and referred to Grading Inspectors become a mandatory inspection, and are inspected within 48 hours.

Proposed Modifications: None.

Planned Year 3 Activities: County will review and act on all info submitted by public to Building & Safety Division within three days

Measurable Goal 4.4.6: *Establish inventory of all sites with Grading Permits under active construction, and make that report available to the public if requested. Inventory will include the location and nature of construction activity, date permit was issued, date and nature of last inspection, date and nature of upcoming inspections, and status of violations and enforcement actions.*

Status: Complete. Data is available to the public upon request – an example of such report is shown in Appendix 4F.

P&D is currently working on improved reporting and Public Access. There will be improved public access to the County's Accella database when the new version is released.

Construction Site Storm Water Runoff Control

Proposed Modifications: This BMP was implemented in Year 1, therefore no changes are recommended.

Planned Year 3 Activities: Ongoing tracking of active grading permits to be provided to public upon request.

BMP 4.5 Discretionary Projects - Land Use Permits

Measurable Goal 4.5.1: *Review discretionary permit process and develop standard conditions and procedures to protect water quality during construction activities prior to SWMP implementation.*

Status: This measurable goal was completed prior to approval of the SWMP in July 2006. This included policy and standard conditions to protect water quality during construction and controls for erosion and non-storm water discharges – See SWMP.

Additional evaluation of this program was performed in Year 2 as discussed under BMP 4.2.

Proposed Modifications: No modifications to this measurable goal.

Planned Year 3 Activities: See MG 4.2.2.

BMP 4.6 Evaluate Land Use Permit Program Efficacy

Measurable Goal 4.6.1: *Compare the effectiveness of existing zoning ordinance, policies, and procedures pursuant to the requirements of the construction minimum control measure and evaluate effectiveness (year 2)*

Status: Complete. The Grading Ordinance and the development review process were evaluated to assure consistency with the General Permit requirements. A copy of the entire report is shown in Appendix 4A and discussed above under measurable goal 4.2.1.

Proposed Modifications: None.

Planned Year 2 Activities: Recommendations from the report will be evaluated and addressed during Year 3.

Measurable Goal 4.6.2: *Revise as necessary to meet or exceed all of the requirements of this MCM (year 3).*

Status: To be implemented Year 3.

Construction Site Storm Water Runoff Control

Proposed Modifications: None

Planned Year 3 Activities: Recommendations from the report will be evaluated and addressed during Year 3. See also Measurable Goal 4.2.2.

4.7 Staff Training

Measurable Goal 4.7.1: *100% annual training of grading inspectors (years 1-5).*

Status: There are two grading inspectors from the Building and Safety Division, one each in the north and south county, and one supervisor. All three attended an 8-hour workshop hosted by the Central Coast Regional Water Quality Control Board in Santa Maria on October 10, 2007. In addition, one staff member from the Project Clean Water program also attended.

Proposed Modifications: None.

Planned Year 3 Activities: Attendance at training workshop(s), which may be the IECA conference in Reno, February 2009.

Measurable Goal 4.7.2: *100% attendance at annual training of permit & review planning staff in selection & application of adopted standard conditions for construction related activities (year 2).*

Status: Development review staff received training as part of their scheduled post-construction training.

Table 4-4 Staff Training: Development Review

Location	Date	Staff Trained	Total staff	Percent Attendance	Meet Measurable Goal?*
Santa Maria	Mar 31, 2008	14	15	90%	Yes
Santa Barbara	Apr 18, 2008	11	14	80%	Yes

*Note: The four staff unable to attend include two senior level staff, one of whom was the planner responsible for the initial program development with the NPDES General Permit and another who is a former Project Clean Water staff, and another two staff who subsequently left employment at the County. Therefore, no follow-up training was deemed necessary.

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Because it was linked with the post-construction training, copies of the training material can be found in Appendix 5E. Additional discussion on effectiveness of the survey is discussed in Section 7.5 under MG 5.5.2.

In addition to the staff training on April 18, 2008, the south county compliance inspector (Development Review staff) also attended the workshop on the construction program evaluation on April 17, 2008 (see Measurable Goals 4.2.1 and 4.8.1).

Proposed Modifications: None

Planned Year 3 Activities: Construction issues will continue to be included in the Development review training conducted under BMP 5.5.

4.8 Construction Workshops

Measurable Goal 4.8.1: *Develop County-sponsored training/workshops directed toward the construction community with brochures and guidance materials developed and distributed to development and construction community (Year 2).*

Status: Two public workshops directed toward the construction community were held in Year 2. The subject of the workshops was to provide an overview of the Countywide procedures for protecting water quality from impacts during construction activities regulations and BMPs applicable to the construction community.

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Table 4-1 Construction Workshops

<u>Date</u>	<u>Location</u>	<u>Total # Attending (# County staff)</u>
April 24, 2008	Santa Maria	6 (5)
April 17, 2008	Santa Barbara	6 (3)

In addition to a mass email to the Project Clean Water stakeholders, advertising for the workshops included the entire membership of the Santa Barbara Contractors Association (in April newsletter), the Santa Maria Valley Contractors Association (electronic newsletter and announcement at General Meeting), and the Home Builders Association of the Central Coast (email).

A copy of the presentation is shown in Appendix 4H.

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The following handouts and brochures were provided:

- Preventing Pollution in our Creeks and Ocean – A Guide for Construction Contractors (see http://www.sbprojectcleanwater.org/Documents/2001_Construction.pdf)
- Developing Your Stormwater Pollution Prevention Plan – A Guide for Construction Sites (see http://www.epa.gov/npdes/pubs/sw_swppp_guide.pdf)

Copies of the handout Developing Your Stormwater Pollution Prevention Plan – A Guide for Construction Sites was also distributed to all Planning & Development Department Building counters. Fifty of these guides were distributed between the Santa Barbara, Buellton, and Santa Maria building counters. These guides for Stormwater Pollution Prevention Plans are published by the U.S. EPA and were reprinted by County of Santa Barbara.

Proposed Modifications: None.

Planned Year 3 Activities: See Measurable Goal 4.8.3.

Measurable Goal 4.8.2: *Post details of construction-related requirements on County website (Year 1).*

Status: Complete. The construction link on the Project Clean Water website was substantially updated in January 2007, with minor updates in Year 2. See <http://www.sbprojectcleanwater.org/construction.html>

The County's Building & Safety website also provides information on the permit including grading permit submittal requirements, fees, and application/permit status, with links to appropriate BMPs for submitting an Erosion and Sediment Control Plan or Stormwater Pollution Prevention Plan. See <http://sbcountyplanning.org/building/index.cfm>

Together, these two website provide guidance on the requirements for obtaining Grading Permits, where to find appropriate County-adopted BMP manuals, and what is required to comply with the local clean water requirements.

Proposed Modifications: None.

Planned Year 3 Activities: Ongoing updates of websites, as needed or appropriate.

Measurable Goal 4.8.3: *At least one public workshop on BMPs annually (years 2-5).*

Status: See MG 4.8.1 for Year 2.

Proposed Modifications: None.

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Planned Year 3 Activities: There will be a workshop in Year 3, hosted by the Central Coast Regional Water Quality Control Board in conjunction with Caltrans, in October 2008. This annual workshop typically has 50-75 attendees. The October workshop is expected to be held in the Santa Maria area. Similar to last year, County staff will assist the state's consultant in locating a venue and construction site for the field trip, and County staff will offer handouts and information to attendees at the workshop.

Post-Construction Storm Water Management in New and Redevelopment

BMP 5.1 Update Land Use Policies

Measurable Goal 5.1.1: *Update all policies, practices, and procedures applied to discretionary new and redevelopment projects to protect water quality consistent with the requirements of General Permit and Attachment 4(B) prior to SWMP implementation.*

Status: Complete and ongoing. See Annual Report Year 1 and SWMP for historical detail.

Comprehensive Planning. Updates of community plans provide opportunities to incorporate area-specific measures. During Yr2, several community plan updates were in progress or completed by the Planning & Development Department. These were the Santa Ynez Valley Community Plan, Mission Canyon Community Plan, Los Alamos Community Plan, and the Isla Vista Master Plan. Information on these plans can be found on the County's website for Long Range Planning <http://longrange.sbcountyplanning.org>, and for Isla Vista, the CEO's website <http://www.countyofsb.org/ceo/RDA/ivmasterPlan.asp>.

Update of Permit Tracking Procedures. During Year 2, Planning & Development continued update of intake and procedures primarily through the permit tracking software called Accela. This software update includes a new field requiring the planner to identify whether the project is a category from General Permit Attachment 4(B). This will enable tracking of all projects subject to the Attachment 4(B) design standards and greatly improve SWMP reporting for this measurable goal.

Flood Control District. During Year 2, revisions to the Flood Control Standard Conditions were made final. A summary of those revisions, the original conditions, and the revised conditions are shown in Appendix 5B.

Proposed Modifications: None.

Planned Year 3 Activities: Further revisions will be accomplished pursuant to BMP 5.3.

BMP 5.2 Implement Design Standards for Post-Construction BMPs Per NPDES General Permit Including Provisions of Attachment 4(B)

Measurable Goal 5.2.1: *Apply design standards to 100% of all applicable projects.*

Status: Complete and ongoing. In Year 2, 484 discretionary case applications were filed with P&D and include tract maps, lot line adjustments, tentative parcel maps, conditional use permits, development plans, specific plans, and coastal development permits in the appeals area. Upon application receipt, intake planners must determine if the application is an NPDES Attachment 4(B)2 category project in type or scale, or if the parcel is in a creek or flood area overlay. If so, these cases are distributed to Public Works, Water Resources Division for review. All discretionary projects are reviewed and analyzed by P&D

Post-Construction Storm Water Management in New and Redevelopment

development review staff based upon the comprehensive plan policies, CEQA thresholds of significance, and standard conditions of approval, described in the SWMP.

As described in the Storm Water Management Program, it is the practice of P&D to review all discretionary projects and condition as appropriate for water quality design standards consistent with Attachment 4(B), except for design standards described in Attachment 4(B)(2a) and 4(B)(2i) which are instead reviewed / approved by Public Works Department.

Table 5-1 Discretionary Cases Filed & Reviewed

No. Cases	Description
484	Total discretionary case applications filed with P&D
141	Discretionary cases reviewed by Public Works - Clean Water
16	Cases subject to standard conditions – Clean Water
7	Approved Projects undergoing Plan Check – Clean Water
196*	Discretionary cases reviewed by Public Works - Flood Control District
37*	Cases subject to standard conditions – Flood Control
57	Approved Projects undergoing Plan Check – Flood Control

* In addition to peak runoff, includes cases reviewed and conditioned for approval due to development within the floodplain or near water courses, per County Code Chapter 15A (Floodplain Management Ordinance) and Chapter 15B (Development Along Watercourses).

Public Works: Treatment Control (Attachment 4(B)(2i)). See Appendix 5A for a list of projects that were reviewed and those that were conditioned for treatment control BMPs during Year 2.

During Year 2, 7 projects were submitted to Water Resources, Project Clean Water staff for Plan Check review. (Note all of these projects submitted applications prior to Year 2.) During Plan Check review, the conditioned requirements are verified so that construction may begin and a maintenance agreement is recorded.

Public Works: Peak Storm Water Runoff Rates (Attachment 4(B)(2a)). In Year 2, 196 cases were received and reviewed by Flood Control District. Of these, 57 cases were approved through Plan Check.

During Year 2, the Flood Control District revised their standard conditions. A summary of those revisions, the original conditions, and the revised conditions are shown in Appendix 5B.

Post-Construction Storm Water Management in New and Redevelopment

Proposed Modifications: Ongoing requirements will continue to be implemented; no changes to this BMP are recommended.

Planned Year 3 Activities: Ongoing requirements will continue to be implemented.

BMP 5.3 Evaluate Program Efficacy

Measurable Goal 5.3.1: *Compare existing policies, procedures, and standard conditions to the General Permit Attachment (4) requirements (year 1)*

Status: Complete. This measurable goal was accomplished through a consultant evaluation of the County's approach. See discussion Year 1 Report.

Proposed Modifications: None.

Planned Year 3 Activities: Measurable Goal is completed; no further activities proposed except through ongoing evaluation of effectiveness as described below.

5.3.2 Measurable Goal: *If it is determined that changes need to be made to better comply with those requirements, then the relevant policy, procedures, or standard conditions will be developed or modified so that they meet or exceed all of the requirements in the General Permit including Attachment 4(B) (year 2).*

Status: Complete and ongoing. The evaluation report made a larger number of recommendations (See Appendix 5C). For a summary of Areas of Potential Conflict, and how these were addressed and in most cases resolved during Year 2, see Appendix 5H.

To update the program for full compliance with the NPDES General Permit requirements, all but two recommendations were completed in Year 1 (see Year 1 Annual Report, page 10, Chapter 5.0). The two remaining recommendations to bring the County into full compliance were: 1) document a process by which an applicant can obtain a waiver, and 2) implement an alternative certification process. These are discussed below.

Waiver. Attachment 4(B)4 of the General Permit states, "A Permittee may, through adoption of an ordinance, code, or other regulatory mechanism incorporating the treatment requirements of the Design Standards, provide for a waiver from the requirement if impracticability for a specific property can be established..."

Furthermore, such a waiver must "becomes recognized and effective only after approval by the RWQCB or the RWQCB Executive Officer"

The county has determined that there would be limited cases wherein a permittee could not provide some measure of treatment for a developed site. If there were extreme site constraints such as unfavorable soil conditions or sensitive groundwater that would preclude infiltration, then at a minimum the applicant could install filters within the storm drain

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system. The County's standard conditions state, "The County reserves the right to modify these conditions as site conditions warrant." Therefore the County has not implemented a waiver for the treatment control requirements.

Alternative Certification. Attachment 4(B)6 states, "in lieu of conducting a detailed BMP review to verify structural or treatment control BMP adequacy, a Permittee may elect to accept a signed certification from a Civil Engineer or Licensed Architect registered in the State of California, that the plan meets the criteria established herein" At this time, the County does not wish to limit County review role in any way. Therefore at this time there is no alternative certification for approving BMP adequacy.

Remaining recommendations and status are shown in Appendix 5C.

One of the evaluation recommendations was to develop a county-wide technical guidance manual. During Year 2, a number of developments occurred that would affect the future of the local and statewide post-construction MCM. These include 1) the reissuance of the SWRCB General Permit, 2) the February 15, 2008 letter from the Central Coast Regional Water Quality Control Board to permittees not yet enrolled, 3) recent Water Board Strategic Plan (May 2008) to adopt LID incentives through NPDES permits, 4) recent OPC resolution and strategic plan to provide technical guidance on LID and to incorporate or reference applicable NPDES permit criteria for LID in Green Building Standards, (http://www.resources.ca.gov/copc/05-15-08_meeting/05_LID/0805COPC05_MEMO.pdf) and locally, 5) development of a Technical Guidance Manual on the south coast (City of Santa Barbara).

Because of ongoing developments in Year 2, County staff delayed preparation of such a manual in order to assess the relationship of these developments to the County's program. For example, the revised General Permit was initially expected to be released by July 2008. (The current, more realistic expectation will be during the next reporting year.)

Meanwhile, the County greatly improved guidance for implementing the post-construction requirements by providing clearer direction to developers on the website including examples of post-construction BMPs for two typical types of development (residential and commercial), as well as examples of maintenance agreements and maintenance resource guides, etc. Ongoing P&D training to development review staff also provides planners with permit requirements, which encourages early communication with applicants concerning water quality.

Although some type of stand-alone guidance document is likely, this will be considered closely in Year 3 or will be developed thereafter.

Engineering Design Standards. The Public Works Engineering Design Standards underwent significant rewrite during Year 2. Several elements of this document were highlighted in the evaluation as "Conflicting Local Practices / Opportunities to Improve". As of the end of Yr2, the Engineering Design Standards were still in draft form. However, most areas of conflict were eliminated from the text, as shown in Appendix 5H.

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In general, revisions to the Design Standards were focused on making public road standards consistent with roadway design criteria such as: Caltrans Standard Plans & Specifications, Caltrans Design Manual and Local Agency Guidelines, AASHTO Guidelines for Geometric Design of Very Low-Volume Local Roads (ADT less than or equal to 400), AASHTO Roadside Design Guide, etc.

Although private road standards are flexible, public roads standards are not. This is due to the County's ownership and need to provide long-term maintenance. It is currently not within the capacity of the County to maintain non-traditional material (e.g., porous asphalt), treatment measures (e.g. bioretention) or non-traditional storm conduits (e.g. grassy swales). Private roads, sidewalks, driveways, etc. are an entirely different matter. As long as long-term maintenance can be assured, through a contractual arrangement such as a homeowners association or property owner, alternative designs can be, and are, approved.

Flood Control Standard Conditions. During Year 2, revisions to the Flood Control Standard Conditions were made final. A summary of those revisions, the original conditions, and the revised conditions are shown in Appendix 5B. Also, see summary of potential conflicts in Appendix 5H.

Proposed Modifications: No modifications to this measurable goal are proposed.

Planned Year 3 Activities: Review project approval process to assure that it meets or exceeds all of the requirements in the General Permit including Attachment 4(B). It is possible that the revised General Permit will be issued during Year 3. If so, CEQA thresholds of significance may be revised to reflect the new terms of the General Permit, with accompanying revisions to Guidelines for Surface and Storm Water Quality.

BMP 5.4 Discretionary Permit Review Process: Project Evaluations

Measurable Goal 5.4.1: *Annually evaluate 100% of all discretionary projects for compliance with water quality measures*

Status: Complete. All projects issued a discretionary permit (CUPs, DVPs, etc.) undergo regular inspection during construction to ensure compliance with permit conditions and mitigation measures. Construction practices must comply with all conditions of approval, the design must be consistent with final approved plans, construction must meet all codes and standards, and the final project must comply with any conditions of use or final design conditions such as landscaping. Site inspections for permit compliance are performed by the Development Review Division of Planning & Development Department.

All discretionary projects with post-construction mitigation measures to protect water quality were inspected during construction by Planning & Development staff and by Public Works staff.

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During Year 2, all projects that were conditioned by Public Works and either installed or under construction were inspected by Public Works for installation or ongoing maintenance of treatment control BMPs. The results of these site investigations are summarized below. See Appendix 5D for a summary of inspection procedures.

Table 5-2 Treatment Control BMP Inspections

Name	Address	Area	Treatment Features	Installed per plan?	Maintenance Status
Better Cooling	2780 Telephone Road	Santa Maria	There is a Kristar filter on the parking lot drainage.	Yes.	Maintained regularly by contract (Drainage Protection Service); dates of service stamped on unit.
Clubhouse Estates	Tract 14,629, off Clubhouse Drive.	Vandenburg Village	Roof runoff infiltration perforated pipe; curb inlet filters (Kristar); bioretention in detention basin.	Under construction, not completed	NA
Thacker / Village Veterinary Clinic	3883 Constellation Dr.	Vandenburg Village	landscape bioswales for parking	Yes	Bioswales in excellent condition.
Knollwood	4012 Cedarhurst Dr	Orcutt	Condo residential units. Filterra bioretention in parking lot.	Under construction, units in place but no plants or soil.	NA

Proposed Modifications: Ongoing inspection of treatment control measures will continue; no changes are recommended.

Planned Year 3 Activities: Continued inspections to verify compliance with measures as projects are constructed.

Measurable Goal 5.4.2: *Take enforcement actions on all non-compliant conditioned projects.*

Status: No enforcement actions were taken in Year 2 because no violations were found.

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Effectiveness: NA.

Proposed Modifications: None.

Planned Year 3 Activities: No change in activities proposed.

BMP 5.5 Staff Training

Measurable Goal 5.5.1: *Existing staff attend annual training, 75% all planners Year 1.*

Status: Completed. See Year 1 Annual Report.

Proposed Modifications: NA.

Planned Year 3 Activities: Continue to provide training to all existing and new P&D staff see MG 5.5.2.

Measurable Goal 5.5.2: *Train 100% of all planners annually by year 2*

Status: P&D development review staff received training during Year 2. Training material was developed and presented by Project Clean Water staff. The focus of training opportunity for Development Review staff was to facilitate procedural awareness, including application completeness, content of Negative Declarations, and review process of Public Works.

Table 5-3 Development Review Staff Training

Location	Date	Attended	Total staff	Percent trained	Meet Measurable Goal?
Santa Maria	3-31-08	14	15	90%	Yes*
Santa Barbara	4-18-08	11	14	80%	Yes*
		Total	26		

*The four staff unable to attend (one Santa Maria, three Santa Barbara) include two senior level staff, one of whom was the planner responsible for the initial program development with the NPDES General Permit and another who was a former Project Clean Water staff, and another two staff who are no longer in service at the County. Therefore, no follow-up training was necessary or required.

Material used during the trainings is shown in Appendix 5E, including the powerpoint presentation used to guide discussion, and all handouts. The handouts were provided to all planners, and intended to be used a desk resource containing all relevant documents associated with the planner’s responsibilities to implement the General Permit provisions. Tabs were placed at the bottom of the planner’s material that tracked to major topics from the presentation (shown by asterisk).

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The follow-up survey and results are shown in Appendix 5F. This survey was modified from the pop quiz used during Year 1 to include effectiveness questions. Specifically, the survey was modified in an effort to comply with Regional Board staff recommendation to determine the effectiveness of this BMP to “increase the knowledge and awareness of the target audience”.

In order to meet the requested half-hour schedule for training, the survey was not filled out during the training, but rather as a follow-up to be returned to Clean Water staff. The survey was not completed by all attendees. Even with repeated reminders to return the survey to Clean Water staff, only 12 out of 28 individuals responded.

Results, however, were helpful in determining areas of training effectiveness and areas where staff lacks understanding as shown in Appendix 5F. For example, all responders missed the question “an excessive expense to the implementation of any single BMP is enough justification for not using it”. Unlike Year 1, this topic was not discussed during the training. So this topic will be noted in Year 3 – in this case, discussion will include various options and varying costs associated with acceptable treatment control BMPs. Another area illustrated by the results was the need for projects to identify their proposed treatment measures before the application is deemed complete (there were 5 incorrect answers, the second most-frequently missed question). This will be stressed during the presentation next year.

Additional training opportunities that occurred in Year 2 are summarized below. Since the “Project Clean Water Engineer” is the same individual who trains Flood Control and Planning and Development staff, in this way, information from these training opportunities was passed directly to 25 development review staff from P&D.

Table 5-4 Additional Staff Training Opportunities

Training Title	Sponsor	Date	Staff Participation	Number attending
LID one-day seminar	ASCE	June 4, 2008	Flood Control, Design Engineer	1
LID one-day workshop	Ocean Protection Council	April 21, 2008	Project Clean Water Engineer Planning & Development, Development Review	1 2
LID seminar	SCCWRP seminar online	June 6, 2008	Project Clean Water Engineer	1

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<u>Training Title</u>	<u>Sponsor</u>	<u>Date</u>	<u>Staff Participation</u>	<u>Number attending</u>
Urban Stormwater Retrofit	EPA (web cast)	April 9, 2008	Project Clean Water Engineer	1
BMP Performance	EPA (web cast)	February 6, 2008	Project Clean Water Engineer	1

Proposed Modifications: Ongoing annual training for planners will continue; no modifications to measurable goal are recommended.

Planned Year 3 Activities: Continue to provide training to all existing and new planning staff using similar format and materials as Year 2, except the follow-up survey will be filled out *during* the staff training, as opposed to *afterward*, to encourage better participation and responsiveness.

Measurable Goal 5.5.3: *New staff: 100% attendance in annual training (Years 1-5)*

Status: Complete. A special one-hour training was offered to all new P&D development review staff in addition to their attendance at the general training sessions described in MG 5.5.2. This special training included the same material used for MG 5.5.2 with an additional powerpoint presentation and discussion.

Table 5-5 New Development Review Staff Training

<u>Location</u>	<u>Date</u>	<u>Attending</u>	<u>Number New Employees</u>	<u>Attendance</u>
Santa Maria	3-31-08	1	1	100%
Santa Barbara	4-14-08	3	3	100%

Proposed Modifications: Ongoing commitment will continue; no modifications are recommended.

Planned Year 3 Activities: Continue to provide training to all new P&D staff using similar format and materials as Year 2.

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BMP 5.6 Incentive Program for Innovative Site Design

Measurable Goal 5.6.1: *Incentive program established by year 3.*

Status: Not implemented.

Proposed Modifications: It is proposed to modify this measurable goal. The goal says to “establish” an incentive program. Options considered to date such as economic incentives (via storm water credits which we don’t have or reduced fees) or timing incentives (reduced permit process time) may not be possible to implement, much less establish. Therefore the County may not be able to achieve this measurable goal as currently written.

This measurable goal is proposed to be:

Incentive programs evaluated during Year 3.

Planned Year 3 Activities: Several of the Wallace Group report recommendations address incentives for innovative site design and will be addressed during Year 3+. These include:

Recommendation

Develop incentive program to implement source and site design BMPs. Examples of incentives that were suggested by the public during initial workshops for this evaluation included: density bonuses, in-lieu fees, awards and flood-control storage credits.

To promote LID concepts, consider defining a minimum ground water recharge rate, or percent vegetative cover/landscaping necessary for categories of development similar to City of Portland.

Consider requiring large building projects to achieve Leadership in Energy and Environmental Design (LEED) ‘Certified’ standards.

Evaluate opportunities for community-wide special stormwater utility districts, especially for new, very large subdivision developments.

Resources and opportunities we will consider in this evaluation include:

- Evaluation of Rainfall-Runoff Relationships to Develop Stormwater Reduction Approaches for Watersheds in Southern California, A UCSB Bren School Project. (May 2007).
- Updates from Ocean Protection Council concerning their Resolution Regarding Low Impact Development (May 15, 2008)
- Central Coast Regional Water Quality Control Board initiation of a LID Institute

Measurable Goal 5.6.2: *Establish annual award program in following year 4.*

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Status: Not implemented in year 2.

Proposed Modifications: NA

Planned Year 2 Activities: NA.

BMP 6.1 Evaluation of Santa Barbara County Facilities (Self-Audit)

Measurable Goal 6.1.1: *Survey facilities to determine nature of activities and appropriate BMPs (year 0).*

Status: A survey of County facilities was completed prior to implementation of the SWMP. A description of the results from that survey can be found in the Year 1 Annual Report as well as the SWMP.

See also MG 6.4.5 for discussion of the South Coast Recycling and Transfer Station’s Storm Water Pollution Prevention Plan per Central Coast Regional Water Quality Control Board letter dated January 28, 2008.

Proposed Modifications: No changes are recommended.

Planned Year 3 Activities: No additional activities proposed in Year 3.

BMP 6.2 Site Specific Water Quality Protocols

Measurable Goal 6.2.1: *Complete 100% of facility-specific protocols by year 3*

Status: The facilities selected for such protocols were identified during site visits under BMP 6.1 and include those facilities listed below in Table 6-1. Due to differences in potential to generate pollutants in storm water runoff, not all County facilities will develop such high level detailed plans for inspecting, training, and recordkeeping.

Table 6-1 Facility-Specific Water Quality Protection Protocols

Site	Location	Activities
Fire Department Construction Yard	99 Centennial Road, Los Alamos	Vehicle operations, corporate yard, et al.
General Services South County Garage	4568 A Calle Real Road, Santa Barbara	Vehicle operations
General Services North County Garage	912 West Foster Road, Santa Maria	Vehicle operations
Public Works Flood Control Yard	4568 D Calle Real Road, Santa Barbara	Vehicle operations, corporate yard
Santa Maria Corporation Yard	912 W. Foster Rd. Santa Maria	Corporate yard
Lompoc Road Yard	2010 Sweeney Road, Lompoc	Corporate yard

Municipal Operations

Site	Location	Activities
Santa Barbara Road Yard	4415 Cathedral Oaks Road, Santa Barbara	Corporate yard
Santa Ynez Road Yard	5035 Zaca Station Road Santa Ynez	Corporate yard
Cuyama Road Yard	5073 Highway 166, Cuyama	Corporate yard

The facilities in Table 6-1 support such activities as vehicle or equipment operations, corporate yards with storage and handling of materials, etc. but are not regulated by the state through an NPDES Industrial General Permit, and do not have site-specific Storm Water Pollution Prevention Plans as required under that permit.

The Year 1 Annual Report includes details of the protocols prepared for those facilities listed above, including a facility description, list of activities at each site, potential pollutants, and current and future control measures.

Proposed Modifications: No changes are recommended.

Planned Year 3 Activities: During Year 3, protocols will be updated for the nine facilities listed above.

BMP 6.3 Municipal Operations Best Management Practices Fact Sheets

Measurable Goal 6.3.1: *Prepare and publish BMP fact sheets (completed).*

Status: Complete. See summary Year 1.

Proposed Modifications: None.

Planned Year 3 Activities: NA.

BMP 6.4 BMP Fact Sheet Implementation & Reporting

Measurable Goal 6.4.1: *Update and revise BMP Fact Sheets as necessary based upon staff input; revise or add based upon BMPs from other Phase I and Phase II municipalities as appropriate (year 1).*

Status: Complete. No revisions to the BMP Fact Sheets were found appropriate during Year 2.

Proposed Modifications: Ongoing updates will be made as appropriate; no changes are recommended to this BMP.

Planned Year 3 Activities: Continue to review BMP Fact Sheets and develop updates on as-needed basis.

Measurable Goal 6.4.2 *Develop an interactive web-based program for departmental reporting on BMP implementation as listed in the Fact Sheets, including BMPs selected, performance measures, or a schedule for BMP implementation and reporting (year 2).*

Status: During Year 2, County IT staff used the BMP Fact Sheets to develop a web-based interactive reporting system for facility managers to review BMPs and report on those which they responsible for, including BMPs implemented and a schedule for BMP implementation and reporting.

The prototype of the system is available. See Appendix 6A.

Proposed Modifications: None.

Planned Year 3 Activities: Staff will first beta-test and, once final, distribute the program to managers for reporting.

Measurable Goal 6.4.3 *Tabulate number of BMPs implemented and report annually based on the following schedule: Achieve 50% implementation by County departments on BMPs by year 2; achieve 75% by year 3; and achieve 100% by year 4.*

Status: To augment the web-based reporting system for reporting BMPs implemented, Project Clean Water staff conducted an audit of all major County campuses or facilities to assess BMP implementation, as shown Table 6-2. Results shown in Table 6-2 indicate that 100% of appropriate BMPs were implemented by all County Departments, except for the South County Road Yard. In this case, the yard manager was contacted, a walk-through with that manager was performed, and a follow-up site visit confirmed that BMPs to protect water quality were subsequently implemented.

There are over four hundred buildings owned and operated by the County. By focusing on those major County campus facilities which are used by multiple County Departments, it was possible to audit 100% of all County departments for this measurable goal, as shown in Table 6-2. (See Appendix 6B for complete list of all County facilities.)

The audit consisted of a visual site inspection of outdoor facilities exposed to storm water. The inspection focused on 1) actual evidence of pollution or 2) indicators of pollution or 3) potential sources of pollution. Where there were such indications, like wetness or staining, the potential source was investigated. Where potential pollution sources were identified, staff were notified and sources were eliminated.

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The basis for these inspections included relevant BMPs from the following Fact Sheets:

- SC-2. Building Maintenance & Repairs
- SC-4. Housekeeping
- SC-5. Kitchen, Restaurant & Deli
- SC-6. Landscape & Undeveloped Areas
- SC-7. Loading & Unloading
- SC-8. Material & Hazardous Waste Storage
- SC-9. Metal, Wood, Paint & Print Shops
- SC-10. Parking Lots & Garages
- SC-11. Spill Prevention & Cleanup
- SC-12. Storm Drains & Catch Basins
- SC-14. Trash & Dumpster Management
- SC-15. Vehicle & Equipment Fueling
- SC-16. Vehicle & Equipment Maintenance & Repairs
- SC-17. Vehicle & Equipment Washing & Steam Cleaning

Specifically, for proper BMP implementation, the campus demonstrated:

- Parking areas free of debris including trash, greenwaste, and dirt
- Trash storage/containment areas kept clean
- Dumpsters and other trash containers closed
- Little / no evidence of pavement staining due to recent spills, dumping, or inappropriate housekeeping practices
- Little / no evidence of over-watering landscape
- Material storage areas protected from storm water
- Material storage containers covered and clean
- Catch basins and storm drain conduits clear and free of debris

The results of Departmental inspections are shown below.

Table 6-2 BMP Implementation by County Department

Campus Site	Departments	100% BMPs Imple- mented?	Follow-up Necessary?
County Administration and Engineering Building, downtown Santa Barbara	Clerk Board Recorder - Assessor County Counsel Executive Office General Services Human Resources Planning & Development Public Works Treasurer Tax Collector	Yes	No
County Campus, Calle Real / Cathedral Oaks Santa Barbara	Agricultural Commissioner APCD ADMHS Probation	Yes	No

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Campus Site	Departments	100% BMPs Imple- mented?	Follow-up Necessary?
South County Courts, downtown Santa Barbara	Public Health	Yes	No
	Public Health		
	Sheriff		
	Social Services		
	Child Support Services		
	District Attorney		
	Law Library / Courthouse		
Santa Barbara Corp Yard, Cathedral Oaks	Probation (ADMN)	No	Yes. Walk-through with manager, areas of deficiencies addressed. Follow-up confirmation.
	Public Defender		
	Superior Court		
	Public Works Roads Maintenance		
	Public Works Construction		
Santa Maria Corp Yard, Foster Road	Public Works Flood Control	Yes	No
	General Services Facilities		
Santa Maria Corp Yard, Foster Road	General Services (Corp Yard)	Yes	No
	Public Works (Corp Yard)		
Santa Maria Foster Road / California St.	Ag Commissioner	Yes	No
	ADMHS		
	Planning & Development		
	Probation		
Betteravia Govt Center, Santa Maria	Public Defender	Yes	No
	Probation		
	Public Health		
Llewellyn Justice Center, Santa Maria	Clerk Board	Yes	No
	Superior Court		
	District Attorney		
	Jury Services		
	Public Defender		

Proposed Modifications: None.

Planned Year 3 Activities: During Year 3, the following additional departmental sites will be inspected:

Department	Address
Parks	610 Mission Canyon Rd
Fire Dept	4410 Cathedral Oaks
Fire Stations	various
Sheriff stations	various
Public Health Clinics	various
Public Works Corp Yard	Lompoc, SY, and Cuyama

Measurable Goal 6.4.4: *Evaluate the nature, type, and effectiveness of BMPs implemented through a system of PCW internal audits. Perform audits for each department for at least one facility by the end of each reporting year (years 2-5).*

Status: See discussion above, MG 6.4.3.

Proposed Modifications: None.

Planned Year 3 Activities: During Year 3, the following additional departmental sites will be inspected:

<u>Department</u>	<u>Address</u>
Parks	610 Mission Canyon Rd
Fire Dept	4410 Cathedral Oaks
Fire Stations	various
Sheriff stations	various
Public Health Clinics	various
Public Works Corp Yard	Lompoc, SY, and Cuyama

Measurable Goal 6.4.5: *Continue to implement existing programs and activities that protect water quality (i.e., regulated flood control maintenance and Annual Plan activities; solid and hazardous waste collection, disposal, and recycling programs; maintenance of storm drain treatment control facilities), and include update of these ongoing programs and activities in annual reports (years 1-5)*

Status: Complete. A summary of existing programs that protect urban runoff water quality is provided below. Maintenance of storm drain treatment control facilities is addressed under BMP 6.7.

Public Works Flood Control & Water Conservation District. Annual maintenance plans are submitted to the U.S. Army Corps of Engineers, Ventura District Office, California Dept of Fish and Game, and the RWQCB to fulfill conditions of the Fish & Game Streambed Alteration Agreement No. R5-2002-0083, USACE Permit No. 200500145-JCM and Technically Conditioned Water Quality Certification from RWQCB under the requirements of the Routine Maintenance Plan Programmatic EIR (1991).

Because the Flood Control Maintenance and Revegetation Report is submitted to the RWQCB and is performed under numerous permits regulating and protecting water quality and mitigating for impacts, it is not included in this Annual Report. The Maintenance and Revegetation Report describes the maintenance and revegetation activities that occurred at the following creeks and channels. Those creeks and channels that had maintenance activities performed during 2007-08 are summarized in the Table 6-3 below. (A complete list of all district-maintained facilities is shown in Appendix J of the Storm Water Management Program.)

Table 6-3 Flood Control Maintenance and Revegetation Activities Performed Yr 2

Arroyo Paredon Creek	Alamo Pintado
Barger Creek	Bradley Canyon
Canada De La Pila	Cebada Canyon
Fremont Creek	Corralitos
Hospital Creek	Cuyama River
Las Vegas Creek	Green Canyon Drainages
Lower Devereux Creek	Orcutt/Solomon Creek
Maria Ygnacio Creek	Rodeo-San Pascual Channel
Montecito Creek	Outlet
Refugio Creek	San Antonio Creek – Los
Romero	Alamos
San Pedro Creek	Santa Maria Airport/Abex
San Roque Creek	Channels
Sycamore Creek	Santa Maria River
Tecolotito Creek	Tanglewood Channel
	Unit II Channel
	West Main Channel
	Unit II Tailwater Channel
	East Ditch Channel

There were no revisions to the Flood Control maintenance program as described in the SWMP.

Public Works Roads Division Culvert Inspections and Maintenance. County tracks all routine maintenance activity to storm drain culverts by service area. Routine maintenance is performed every year at every single culvert. Routine inspections include clean-out, if needed. In addition, during and after storm events culverts are inspected and cleaned-out if needed. The need for cleaning is based upon visual inspections.

Table 6-4 Culverts Inspected Yr 2

<u>Area</u>	<u>Number</u>
South County	2,918
Lompoc / Santa Ynez Area	1,762
Orcutt / Santa Maria	<u>1,451</u>
Total:	6,131

Solid Waste Facilities. County of Santa Barbara accepts waste at the following five locations: South Coast Recycling Transfer Station, Santa Ynez Valley Recycling and Transfer Station, Tajiguas Landfill, New Cuyama Transfer Station, and Ventucopa Transfer Station. Practices to protect water quality at these facilities are implemented consistent with facility Storm Water Pollution Prevention Plans, as required by the State Water Resources Control Board consistent with the NPDES Industrial General Permit No. 97-03-DWQ.

Storm Water Pollution Prevention Plan updates:

- Tajiguas Landfill October 2006.

- Santa Ynez Valley Recycling and Transfer Station October 2006
- Foxen Canyon Landfill (Inactive) October 2006

In regards to the New Cuyama Transfer Station, a Notice of Termination (NOT) was approved by the Central Coast Regional Water Quality Control Board (CCRWQCB) on June 23, 2004 for termination of compliance with the NPDES Industrial General Permit.

During Year 2, RWQCB staff requested (January 28, 2008) that the annual reports must include an evaluation of existing facility Storm Water Pollution Prevention Plans to maintain consistency with other municipal facility programs, where those facilities are located within the SWMP permit area. This would include the South Coast Recycling and Transfer Station's. This facility is regulated by the state under the NPDES Industrial General Permit. The NPDES General Industrial Permit stormwater regulations governing this facility requires the development of a Storm Water Pollution Prevention Plan (or SWPPP) and a monitoring plan.

The South Coast Recycling and Transfer Station's Storm Water Pollution Prevention Plan was updated in November 2006. The Storm Water Pollution Prevention Plan addresses the identification of activities that may contribute pollutants to storm water and appropriate BMPs and dates of implementation. Training is included in the Storm Water Pollution Prevention Plan. Management measures to achieve the performance standard of best available technology economically achievable (BAT) and best conventional pollutant control technology (BCT) are in place. These performance standards are more stringent and defined than maximum extent practical (MEP) standards under which the County's Storm Water Management Program is regulated. Therefore the Storm Water Pollution Prevention Plan is consistent with other municipal facility program with additional levels of inspection, reporting, training, and record keeping.

Proposed Modifications: None.

Planned Year 3 Activities: Reporting on ongoing programs and commitments will continue; no additional Year 3 activities are recommended.

BMP 6.5 Purchasing and Contracts

Measurable Goal 6.5.1: *Complete contract revisions (year 1).*

Status: Reviews completed in Year 1 for major contract terms held by General Services Department, which provides broad services for all departments countywide. These included 1) all janitorial-related services, 2) fleet vehicle washing, and 3) general contract terms for all development managed by the County Architect. A summary of those revisions is shown in the Year 1 Annual Report.

Proposed Modifications: None.

Planned Year 3 Activities: As stated in the Year 1 report, the contract with Service Master for janitorial services countywide is up for renewal in 2009; therefore, an update will be provided in the Year 4 Annual Report to reflect implementation of those contract changes.

Measurable Goal 6.5.2: *Tabulate number of projects that require BMPs or plans (year 1).*

Status: Complete and ongoing – See Annual Report Year 1. During Year 2, Project Clean Water staff met with the County General Services Support Services Supervisor to review types of contracted services that could result in polluted discharges. Small tasks, such as painting or surface cleaning, are typically contracted under small purchase orders by individuals within departments which make tabulating these projects difficult. Therefore, continued education to County staff (i.e. through Countywide newsletter) and targeted outreach to these types of service providers is the best approach. An alternative approach was to develop a list of all open County contracts approved by the Board, since these are tracked countywide. Each contract individually reviewed (>500 contracts). Types of contracts that could result in polluted discharge included chemical suppliers of cleaning products, fleet vehicle cleaning, and fuel suppliers.

Proposed Modifications: None.

Planned Year 3 Activities: Users of cleaning products and fuel will be targeted in Year 3 to determine if additional BMPs may be necessary; fleet vehicle washing is discussed below.

Measurable Goal 6.5.3: *Evaluate contractor compliance (years 2-5).*

Status: The primary contract for County operations that could potentially impact water quality is the fleet vehicle washing service. County fleet vehicles are washed by a private vendor on a bi-monthly basis at County parking lots. During Year 1, the contract was revised to prevent any washwater from entering the storm drain. During Year 2, contractor's performance was evaluated by Project Clean Water staff in Santa Barbara, Lompoc, and Santa Maria. In Santa Barbara, a vacuum boom is used to protect the drop inlet. Minor corrections were required in the placement of the vacuum boom to prevent bypassing. In Lompoc, a plug is used at the inlet and full recovery is effective. In Santa Maria, flows do not enter a storm drain but sheet flow (very little process water runoff is actually generated) into a vegetated area. Complete recovery is not possible at this location due to lack of a collection system and due to the badly eroded pavement which prevents the vacuboom from making a complete seal. In any event, due to site topography and soils, no runoff occurs to the local MS4.

As far as the janitorial services, there were no incidents of improper performance.

Proposed Modifications: None.

Planned Year 3 Activities: Continued performance evaluation for maintenance and service contractors.

Measurable Goal 6.5.4: *Report the number of Notice of Violations or Corrective actions (years 2-5).*

Status: No violations or corrective actions (see MG 6.5.3).

Proposed Modifications: None.

Planned Year 3 Activities: No additional activities proposed.

BMP 6.6 Countywide Integrated Pest Management Plan

Measurable Goal 6.6.1: *Report pesticide use on a departmental basis and provide updates, if any, to the countywide IPM strategy (years 1-5).*

Status: Complete. Appendix 6C summarizes pesticide use by Department during Year 2.

During Year 2, the Integrated Pest Management Focus Group was formed by Supervisors Carbajal and Wolf to facilitate collaboration among governmental entities and community organizations within their respective districts regarding pesticide usage. The group, which consists of representatives from the County, City of Carpinteria, City of Goleta, City of Santa Barbara, UCSB, various South Coast school districts and community organizations such as the Pesticide Awareness and Alternative Coalition, meets quarterly to share best practices related to integrated pest management. In addition to sharing information internally, the group is currently developing various educational and outreach strategies related to public awareness regarding the use of pesticide and herbicide.

Proposed Modifications: None.

Planned Year 3 Activities: Continue tracking pesticide use by type and amount and provide update in annual report.

BMP 6.7 Storm Drain Maintenance

Measurable Goal 6.7.1: *Establish and implement a cleaning schedule for County-owned and operated treatment control facilities (years 1-5).*

Status: The County owns and maintains eight CDS units, three bioswales, and one ultraviolet radiation treatment system, all located along the south coast. These were all maintained as discussed below. In addition to these seven units treating urban runoff in the unincorporated areas, the County also owns and maintains an eighth unit just downstream of the South County Transfer Station. The purpose of this unit is to capture any trash that migrate away from the transfer station due to wind, poorly tarped loads, or partially carried off by sea gulls. This unit is inspected in the fall and the spring and cleaned on an as-needed basis; since installation in 2006, this has typically been twice per year.

Table 6-5 CDS Maintenance October 2007

Location	Treated drainage area (ac)	Date cleaned	Waste removed (lb)	Receiving waterbody
Turnpike	76 ac	Oct 2, 2007	6,006 lbs	Atascadero Crk / Goleta Slough
San Vicente (Rhoads E)	57 ac	Oct 2, 2007	6,009 lbs	Atascadero Crk / Goleta Slough
San Ramon (Rhoads W)	80 ac	Oct 3, 2007	2,978 lbs	Atascadero Crk / Goleta Slough
Escondido Pass	25 ac	Oct 3, 2007	3,122 lbs	Ocean (Isla Vista)
Camino Del Sur	42 ac	Oct 3, 2007	3,672 lbs	Ocean (Isla Vista)
Camino Pescadero	25 ac	Oct 3, 2007	1,269 lbs,	Ocean (Isla Vista)
Embarcadero	35 ac	Oct 3, 2007	1,369 lbs	Ocean (Isla Vista)
Transfer Station	Approx 6 ac	(Aug 3, 2007)	(no record)	Hospital Creek / Goleta Slough
		Apr 23, 2008	6,320 lbs	
Total 315 acres			30,745 lbs	

Cleaning consists of removing all solids and liquids with a high power vacuum truck. The need for cleaning is based on the amount of rainfall; the more rain, the more solids are trapped in the units and the greater need for frequent cleaning.

Year 2 was one of the driest seasons on record, with a total of about 6 inches of rainfall. Prior years, where the CDS units were cleaned twice, had higher levels of rainfall. For example, there was 22 inches in 05-06 and 37 inches in 04-05, and that year Turnpike became so full it failed. The cost of cleaning the units is just under \$2,000 per unit per cleaning.

Bioswales. There are three bioswales maintained by the County. Each of these received treated runoff from the CDS units described above. The three bioswales include (1) Turnpike, which is located at the end of Turnpike Road before Atascadero Creek, (2) Rhoads East and (3) Rhoads West, both located within the Walnut Park Townhomes along Rhoads Ave. near Walnut Ave. Turnpike was installed in the fall of 2002; the Rhoads Ave. bioswales were installed in spring of 2003.

County staff make visual inspections of the three bioswales generally on a bi-weekly basis. During the inspections, staff look for overall appearance (trash, vandalism), health of vegetation, and during warmer months, inspection for the presence of mosquito larvae. Staff will apply VectoBac, a biocide that targets mosquito larvae, on an as-needed basis.

In October 2007, maintenance of the Turnpike bioswale consisted of removal of cattails in the area of the drainage inlet, weeding throughout (including the upland vegetation) and mulching as needed. After the clearing, replacement plants were installed in the following quantities:

Table 6-6 Turnpike Replacement Plants Oct07

<u>Number</u>	<u>Species</u>
35	<i>Anemopsis californica</i>
35	<i>Eleocharis macrostachys</i>
6	<i>Scirpus americanus</i>
9	<i>Cyperus erograstis</i>
10	<i>Carex praegracilis</i>

No maintenance was necessary at the Rhoads Ave. bioswales. These bioswales are located on private property; landscaping is maintained by the Walnut Park Homeowners Association under contract to the County. There is little to no chronic low flow at these sites, which limits excessive growth of vegetation, particularly cattails.

The third major treatment control device owned and operated by the County is a UV unit located at the downstream end of the CDS unit at Escondido Pass in Isla Vista. The control box is inspected at least monthly in order to track that equipment is functioning. Regular maintenance of the UV unit occurred as follows:

- 1-10-08 Replaced bulbs and o-rings, cleaned strainer basket.
- 2-08-08 Open valves, check
- 2/22/08 Replaced broken switch and o-ring

Proposed Modifications: None.

Planned Year 3 Activities: Continue to report maintenance activities.

BMP 6.8 Street Sweeping

Measurable Goal 6.8.1: *Report number of lane-miles swept and number of events per year, at minimum three events per year.*

Status: Complete, see tables below. The County sweeps commercial district and heavily-used arterial streets three times per year, prior to storms likely to mobilize accumulated materials into the storm-drain system. These include areas of Orcutt, Goleta (unincorporated), Montecito, and Summerland but not Vandenberg Village, Santa Ynez, or Los Olivos.

Streets were swept on three occasions during Year 2. The contractor, A-1 Sweeping, uses a mechanical broom sweeper (Mobil M9E) followed by a regenerative air vacuum sweeper (Schwartz A7000). The dual sweep process collects a broader range of particle sizes, with the regenerative air sweeper able to collect the smaller sized particles (down to 10 microns) that are associated with more harmful contaminants.

Table 6-7 Street Sweeping Summary

Area	Volume	Weight*	Per lane mile
Orcutt	20.75 cy	10,375 lb	2.8 lb / ft
Goleta	18.0 cy	12,600 lb	2.4 lb / ft
Montecito	44.0 cy	30,800 lb	1.6 lb / ft
Summerland	17.0 cy	11,900 lb	1.3 lb / ft
Total	99.75 cubic yards	65,675 lb	

*Assume approx 700 lb/cubic yard; varies due to water content

Table 6-8 Street Sweeping Details

Orcutt Area	Street	Length One-way (ft.)	9/25/07	2/19/08	5/25/08
	Orcutt Rd.	5,560	2.0	3.0	3.0
	Lakeview Rd.	1,031	0.25	0.5	0.5
	Clark Ave.	1,929	1.0	1.25	1.5
	Broadway St.	594	0.25	0.5	0.5
	Clark Ave.	2,900	1.0	1.5	1.5
	Bradley Rd.	2,460	0.5	1.0	1.0
	Totals	14,474 ft	5.0 cy	7.75 cy	8.0 cy

Goleta Area	Street	Length One-way (ft.)	9/20/07	2/17/08	5/22/08
	Hollister Ave.	11,070	4.0	5.0	6.0
	Turnpike Rd.	4,570	0.5	1.5	1.0
	Totals	15,640 ft	4.5 cy	6.5 cy	7.0 cy

Montecito Area	Street	Length One-way (ft.)	9/22/07	2/18/08	5/25/08
	Olive Mill Rd.	1,060	0.25	0.5	0.5
	Olive Mill Rd.	2,590	2.0	3.5	4.5
	Middle Rd.	2,835	0.25	0.5	0.5
	Hot Springs Rd.	6,240	2.5	3.5	3.5
	North Jameson Ln.	-	2.0	2.5	2.5
	San Ysidro Rd.	9,342	2.0	3.25	3.25
	East Valley Rd.	3,465	2.0	2.25	2.25
	Totals	25,532 ft	11.0 cy	16.0 cy	17.0 cy

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	Street	Length One-way (ft.)	9/25/07	2/19/08	5/25/08
Orcutt Area	Orcutt Rd.	5,560	2.0	3.0	3.0
	Lakeview Rd.	1,031	0.25	0.5	0.5
	Clark Ave.	1,929	1.0	1.25	1.5
	Broadway St.	594	0.25	0.5	0.5
	Clark Ave.	2,900	1.0	1.5	1.5
	Bradley Rd.	2,460	0.5	1.0	1.0
	Totals	14,474 ft	5.0 cy	7.75 cy	8.0 cy
Summerland Area			9/21/07	2/18/08	5/22/08
	Ortega Hill Rd.	4,452	4.0	4.5	4.5
	Lillie Ave.	3,380	1.0	1.5	1.5
	Totals	7,832 ft	5.0 cy	6.0 cy	6.0 cy

Proposed Modifications: None.

Planned Year 3 Activities: Streets listed in the tables above will continue to be swept at least twice per year. Streets located within the permit area, including those not part of the sweeping program, will be evaluated as to their potential waste load based upon traffic counts and commercial use, with potential recommendations to modify the surfaces swept.

Measurable Goal 6.8.2 *Report weight and volume of materials collected for each event*

Status: See Street Sweeping Tables above.

Proposed Modifications: None.

Planned Year 3 Activities: Weight and volume of material swept will be reported.

BMP 6.9 Staff Training

Measurable Goal 6.9.1: *Achieve 100% completion of countywide training by year 3.*

Status: Project Clean Water staff provided training to new employees in years 1 and part of year 2, and to Environmental Health inspectors, and Fire Department staff.

General training for new employees

All new employees are offered a class through the Employees University entitled: the Business of Local Government (PERS-100). During Year 1, Project Clean Water staff participated in the trainings. During Year 2, the Employees University cancelled this participation due to follow-up surveys that found the clean water presentation to be the least appropriate / effective to new employees as a whole. However, all new employees are now provided a folder of various materials associated with County government including information on clean water concerns. See Appendix 6D Employee Training Fact Sheet.

Pocket Guide.

A new brochure or pocket guide called *Recognizing and Reporting Stormwater Pollution* was developed during Year 2. It is small and folds up to size that can be easily kept in a vehicle or pocket. Color pictures depict situations staff should be able to recognize as potential pollution problems and provides direction on response. See Appendix 1A. The pocket guide was distributed at the staff trainings described below; 124 copies were distributed.

Focused (Department Specific) New Employee Training

Training was provided to new Public Works employees on January 22, 2008. A copy of that presentation outline is shown in Appendix 6E New Employee Orientation Public Works.

Training was provided to all Environmental Health staff, including food service inspectors and management on May 16, 2008. The subject for that training was the requirements of General Permit and the ongoing role that Environmental Health inspectors provide enforcement through restaurant inspections. Three primary issues are: cleaning mats outside, dumping wash water outside, and material storage and maintenance outside. The clean water presentation was incorporated into a Division-wide staff retreat held at Lake Cachuma.

Training was provided to all County Fire Department CUPA inspectors and hazardous materials unit staff and their managers (total: 10) on April 30, 2008, during a staff retreat at Los Alamos County Park. This training focused on awareness of NPDES permit requirements and role of Fire Dept inspectors in implementing MCM 3.0.

Training was provided to all staff as shown in Table 6-9.

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Table 6-9 Focused Staff Training

Staff	Date	Number	Percentage Staff
Public Works Department:			
• South County Flood Control Maintenance crew	April 2, 2008	10	10/10 100%
• North County Flood Control Maintenance crew	April 15, 2008	6	6/7 85%
• South County Roads Division Maintenance crew	June 4, 2008	28	28/28 100%
• North County Roads Division Maintenance crew	May 16, 2008	15	15/18 83%
• Roads Division Construction inspectors	June 10, 2008	6	6/6 100%
• New Public Works employees	Jan 22, 2008	3	100%
Public Health Department:			
• Environmental Health staff, including food service inspectors and management	May 16, 2008	23	100% all food inspectors
Fire Department:			
• County Fire Department CUPA inspectors and hazardous materials unit staff and their managers	April 30, 2008	10	10/10 100%
		Total:	101 96%

Newsletter.

In Year 2, the County’s Executive Office began electronic distribution of a new countywide employee newsletter, called the SBC E-Times. Project Clean Water staff recognized this outreach opportunity, and submitted information for the May, 2008 newsletter. The clean water outreach ad is shown on Page 5 of the newsletter (see Appendix 6F)

Proposed Modifications: None.

Planned Year 3 Activities: Develop implementation program for staff training, including outline of training material appropriately targeted, and frequency/schedule of training.

Measurable Goal 6.9.2: *Document number of training sessions presented (years 3-5)*

Status: This will be implemented in year 3.

Proposed Modifications: None.

Planned Year 3 Activities: Training will be documented.

Measurable Goal 6.9.3: *Document number of staff attending (years 3-5).*

Status: This will be implemented in year 3.

Proposed Modifications: None.

Planned Year 3 Activities: The number of staff will be documented.

Measurable Goal 6.9.4: *Document number of email messages on water quality (years 3-5).*

Status: This will be implemented in year 3.

Proposed Modifications: None.

Planned Year 3 Activities: The County Executive Office began distribution of a new countywide quarterly newsletter during Year 2, called the SBC E-Times. The newsletter is distributed by email to all County employees that have email addresses. This will be continued Years 3-5. See also MG 6.9.1

7.0 Program Effectiveness Assessment

The following effectiveness assessment is based in part on the Municipal Stormwater Program Effectiveness Assessment Guidance, developed by the California Storm Water Quality Association (CASQA). The purpose is to confirm the desired results of the overall program and identify modifications that may be needed, thus ensuring the iterative process is used as an effective management tool throughout the permit implementation.

The following primary questions, or Outcome Levels, help to categorize and describe the desired results of the program:

Level 1 Outcome – Was the Program Element implemented in accordance with the Permit Provisions and SWMP?

Level 2 Outcome – Did the Program Element raise the target audience’s awareness of an issue?

Level 3 Outcome – Did the Program Element change a target audience’s behavior, resulting in the implementation of recommended BMPs?

Level 4 Outcome – Did the Program Element reduce the load of pollutants from the sources to the storm drain system?

Although each level has value in informing and/or supporting management decisions, not all Outcome Levels are used and the Outcome Levels are not necessarily conducted in sequence. In some cases, assessments at different levels may occur at once.

MCM 1.0 Public Education and Outreach

The Public Education and Outreach portion of the Storm Water Management Program focuses on communicating consistent messages regarding storm water quality to a broad audience through the continuation of existing programs and the development and implementation of new programs. The BMPs implemented for this minimum control measure were intended to teach the public the importance of protecting storm water quality, both for the benefit of the environment and human health.

Although its effectiveness can be difficult to measure, public education is essential to achieving behavioral changes that can protect water quality. Because the SWMP focuses on non-point source pollution, the role of the individual in preventing this pollution is key. The BMPs selected for implementation educate community members about steps they can take both at work and at home to prevent and reduce water pollution.

a) Outreach: Brochures, Website, Events, Media (BMPs 1.2, 1.3, 1.4 and 1.12)

Outreach with the public through print information, face-to-face contact, community events, website use and media campaigns increased from Year 1:

- Brochures. Over 17,000 educational materials focused on preventing storm water pollution were distributed including over 3,000 to target populations of horse owners, dog owners, creekside residents and landscape professionals and approximately 1,800 Spanish language materials. Overall outreach materials are successful at Level 2.
- Website. The Project Clean Water website provides an easily accessible method for the public to access water quality information, announcements, reports, and documents. The website experienced an exponential growth in use from Year 1. Overall the website is successful at Level 2.
- Events. Nearly 40,000 (up from 29,00 in Year 1) attendees at a wide variety of public events were exposed to the County's clean water programs, exceeding the 15% population requirement. Face-to-face contact between the public and County staff and other educators at these events increases the awareness of residents to water quality impacts. Overall outreach at events is successful at Level 2.
- Media. Media messages on preventing water pollution were circulated via various newspaper ads, radio spots, bus ads, and targeted television PSAs. Most of the media campaigns included either bilingual or Spanish language versions. The Univision campaign reached an estimated 133,300 Spanish-speaking persons County-wide. Advertising is an efficient way to reach a large and diverse population. Overall media campaigns are successful at Level 2.

b) Education: WRC, Youth, Latino (BMPs 1.5, 1.6 and 1.13)

The South Coast Watershed Resource Center (WRC) continues to be focal point for water quality education programs on the south coast. This WRC program element was modified in Year 2 to accommodate a shift in program delivery from drop-in visits to focused youth education programs. This allows a more efficient use of the facility in conjunction with hands-on programs, curriculum-based education, and use through public meetings and

Program Effectiveness Assessment

community events. Youth education programs were expanded to the community of Orcutt during Year 2, representing a new targeted population for this program.

- WRC. 2,111 people visited the WRC through the youth education and community programs. Visitation was down from Year 1 due to a change in program focus by the lease holder Community Environmental Council. Management of the WRC has since transitioned to Art From Scrap (AFS). The County is contracted with AFS to provide youth education through classroom presentations and field trips to the WRC. Overall the WRC is successful at Level 2.
- Youth Education. AFS gave classroom presentations on water quality to 729 students in South County and 439 students in North County. PCW educated 459 students through school assemblies and other youth events. Understanding water pollution fits into required curriculum topics, and school aged children are particularly receptive to the information presented. Overall youth education is successful at Level 2.
 - Results of the evaluations administered to the AFS Creek Kids series participants showed that the students' understanding of watersheds and storm water pollution was generally better after completing the series. Of particular note is the comparison of before and after responses to the true/false statement "Everyone lives in a watershed." Prior to the series, 28% of the students answered correctly in North County and 52% answered correctly in South County. After the series, 70% answered correctly in North County and 90% answered correctly in South County.
 - 14,535 K-8 students in North and South County schools attended waste reduction workshops.
- Latino Education. Agua Pura taught 848 Latino students County-wide at school science fairs, health fairs, community events and other after-school settings about watersheds and watershed health. Overall Latino outreach and education is successful at Level 2.

c) Storm Drain Marking (BMP 1.7)

Storm drain marking is nearly complete in the County permit area. The bilingual signs that say "No Dumping" raise awareness about the connection between storm drains and receiving waters and they help deter littering, dumping, and other practices that contribute to nonpoint source pollution. Storm drain marking is successful at Level 1 for implementation and Level 2 for raising awareness.

d) Hotline (BMP 1.8)

- Use of the hotline remains constant and continues to provide effective service to all members of the community in reporting water pollution. Residents who call are connected directly to the responsible agency depending on the nature of the call and the location of concern. Overall the hotline is successful at Level 3. The hotline is successful at Level 4 when calls result in field discovery and load reduction.

e) Business Outreach: (BMPs 1.9, 1.10, and 1.11)

The Green Gardener Program, Landscape Education and other Business Outreach helped train community members and professionals in reducing polluted runoff.

- Green Gardener Program. The number of gardeners certified through the Green Gardener Program remains stable. Overall the Green Gardener Program is successful at Level 3 for changing behavior and at Level 4 for reduction in fertilizer and pesticide use.
 - The Green Gardener self-assessments and surveys are an effective way of tracking behavioral changes and provide insight into a landscape professional's level of knowledge and use of green gardening practices. This year's self-assessments show improvements in the use of mulch and in water conservation and show the need for additional education on the topics of irrigation, plant choice and placement and integrated pest management.
- Landscape Education. Landscape education expanded its reach this year to over 15,000 community and business members through community events, participating Our Water Our World nurseries and composting workshops. Overall landscape education is successful at Level 2.
- Business Outreach. Over 2,900 business owners and operators were reached through several targeted workshops, business trade shows, and direct contact during business inspections and field discoveries. Face-to-face interactions between the public and County staff is an effective way to increase the awareness of business owners and operators to water quality impacts. Business outreach is successful at Level 4 for load reduction when responding to complaints or discoveries in the field or as part of a business inspection.
 - PCW has been a part of the planning of the Green Business Program in order to ensure that meeting storm water pollution prevention requirements is a criterion for green business certification.

Program Effectiveness Assessment

Table 7.1 Effectiveness Assessment Summary for Public Education and Outreach

Outreach Program Activities	Effectiveness Assessment Outcome Levels			
	Level 1	Level 2	Level 3	Level 4
	Implement Program	Increase Awareness	Behavior Change	Load Reduction
Outreach	Y1 Ongoing; website expanded & updated Y2 Ongoing	Y1 Ongoing; website expanded & updated Y2 Ongoing		
Education	Y1, Y2 Ongoing	Y1, Y2 Ongoing		
Storm Drain Marking	Y 1 Installation in North & South Co. Y2 Installation complete for S Co.	Y 1 Installation in North & South Co. Y2 Installation complete for S Co.		
Hotline	Y1 Hotline expanded Y2 Hotline maintained	Y1 Hotline expanded Y2 Hotline maintained	Y1 Hotline expanded Y2 Hotline maintained	Y1, Y2 Hotline calls leading to field discoveries
Business Outreach	Y1, Y2 Landscape and Business Outreach ongoing	Y1, Y2 Landscape and Business Outreach ongoing	Y1, Y2 Green Gardener Program	Y1 Complaints & Discoveries Y2 Complaints & Discoveries; Bus. Inspection Program Y1, Y2 Green Gardener fertilizer & pesticide reduction

Y1 – Reporting/assessment with the FY 2006-2007 Annual Report

Y2 – Reporting/assessment with the FY 2007-2008 Annual Report

MCM 2.0 Public Participation and Involvement

The Public Participation and Involvement Minimum Control Measure is intended to foster active community support for the Storm Water Management Program and give direction to its implementation. Participation by the public ensures that the program reflects community values and priorities and thus has the highest potential for success.

a) Steering Committee, Public Meetings and Forum (BMPs 2.1 and 2.2)

- Stakeholders Committee. Project Clean Water Stakeholders regularly provide comments and suggestions that are utilized to improve the effectiveness of County's Storm Water Management Program and BMPs. The most active Stakeholders are from local non-profits and local government agencies. In the last year Stakeholders have commented on the Business Inspection Program and the Construction Program evaluation. Stakeholder meetings are successful at Levels 1 and 2.
- Community Forum. The Community Forum during Creek Week "Marine Debris – Creeks to the Sea" attracted over 80 community members, an increase over last years attendance. The Creek Week forum topics have focused on current water pollution issues and continue to be a successful way of reaching other community members. Overall community forums are successful at Level 2.

b) Coordination Among Agencies (BMP 2.3)

- Continuation of regular intergovernmental meetings is appropriate for coordinating among the different storm water management programs in the County. Local population perspectives and pollution sources vary across the County, and obtaining input from various agencies is useful in understanding these local differences. The intergovernmental meetings are efficient venues for planning joint pollution reduction efforts. Attendance is steady and is regularly represented by most of the Phase II agencies. Overall coordination among agencies is successful at Level 2 for raising awareness.

Ongoing cooperative efforts include:

- PCW staff regularly attends CASQA meetings, serves as co-chair on the CASQA Phase II subcommittee, acts as the primary contact for the Phase II partners and shares CASQA updates with the other committee members.
- Active communication during the Phase II enrollment cycle and updates concerning SWMP reviews and approval.
- Regional Board TMDL development continued in the County with several planning meetings attended by Phase II partners.
- Regular collaboration with the cities of Santa Barbara, Goleta, and Santa Maria on media, outreach and events.
- The county-wide Green Business Program involves nearly all of the Phase II entities as program partners.

c) Volunteer Water Quality Sampling and Clean-ups (BMPs 2.4 and 2.5)

Community Clean-ups and Volunteer Water Quality Sampling attract residents who are typically enthusiastic about making a tangible difference in improving water quality and offer opportunities for involvement in the County's SWMP activities.

- Community Clean-ups. Community Clean-ups resulted in a decrease in pollutant loadings to the creeks and ocean. Volunteers removed large amounts of trash from the creeks and beaches. Clean-ups were scheduled during community events and with volunteer groups as needed or requested throughout the year. Community clean-ups are successful at all levels.
 - The County continues to serve as the local coordinator for California Coastal Cleanup Day in Santa Barbara County. This year 556 volunteers picked up approximately 2,600 pounds of trash and recyclables at 17 beaches county-wide. PCW staff acted as a “beach captain.”
 - County Public Works provides funding to support the Isla Vista Parks and Recreation Department's Adopt-A-Block volunteer program, organizing weekly and monthly clean-ups in Isla Vista and at local beaches. Over 20 UCSB campus groups consistently participate. In Year 2, 1,113 volunteers picked up a total of 123 tons of trash.
- Volunteer Water Quality Sampling. Volunteer sampling is appropriate for fostering involvement of South County communities and communities in the Santa Ynez Valley. It is a less applicable method for reaching community members in North County where runoff is directed into detention basins and most channels contain flow for a very limited number of months out of the year. In South County, storm water runoff is directed into neighborhood creeks where the effects can be monitored. PCW identifies volunteering water quality data as qualitative and is primarily used as an educational tool to inform and engage the public in the current health of local creeks. Using simple kits, monitoring can help capture the effects of nutrient loading on dissolved oxygen levels. Overall volunteer water quality sampling is successful at Level 2.
 - There were twice as many volunteer sampling events in Year 2 from Year 1 and over twice as many participants.
- Other non-volunteer water quality monitoring efforts by the County in Year 2 included the collection and analysis of bioassessment data from south coast Santa Barbara County streams and the Public Health Department's weekly water sampling and reporting of bacteria levels at 20 County-wide beaches.

Program Effectiveness Assessment

Table 7.2 Effectiveness Assessment Summary for Public Participation and Involvement

BMP	Effectiveness Assessment Outcome Levels			
	Level 1 Implement Program	Level 2 Increase Awareness	Level 3 Behavior Change	Level 4 Load Reduction
2.1 Steering Committee	Y1 North Co. Stakeholders Mtg. established Y2 Ongoing meetings & interaction	Y1 North Co. Stakeholders Mtg. established Y2 Ongoing meetings & interaction		
2.2 Public Meetings and Forums	Y1, Y2 Ongoing	Y1, Y2 Ongoing		
2.3 Coordination Among Agencies	Y 1, Y2 Ongoing meetings & cooperative efforts	Y1, Y2 Ongoing		
2.4 Volunteer Water Quality Sampling	Y1, Y2 Ongoing in connection with events or clean-ups	Y1, Y2 Ongoing in connection with events or clean-ups		
2.5 Community Clean-ups	Y1, Y2 Ongoing creek & beach clean-ups	Y1, Y2 Ongoing creek & beach clean-ups	Y1, Y2 Ongoing creek & beach clean-ups	Y1, Y2 Ongoing creek & beach clean-ups

Y1 – Reporting/assessment with the FY 2006-2007 Annual Report

Y2 – Reporting/assessment with the FY 2007-2008 Annual Report

MCM 3.0 Illicit Discharge Detection & Elimination

The following is an assessment regarding the effectiveness of the first two years of implementation of MCM 3.0 Illicit Discharge Detection and Elimination Program as outlined in the SWMP.

The County has effectively implemented the IDDE program through ongoing program elements such as creek walks, complaint and discovery response and follow up, development of a storm drain facility map, developing and distributing targeted educational materials to polluters or potential polluters, and distributing mutt mitts to areas of pet waste concern and new elements implements in Year 2 including storm water ordinance and the business inspection program.

a) Storm Sewer Mapping (BMP 3.1)

- Storm Drain Facility Map – Drainage facility maps expedite location of illicit discharges and are a requirement of the General Permit. This is a permit requirement and as such, is successful at Level 1. Additionally, where staff and public are able utilize the data for investigating sources of discharges, this BMP is successful at Level 2.

b) Storm Water Ordinance (BMP 3.2)

- Storm Water Ordinance – The ordinance has been effective by assuring county staff the authority to conduct inspections where there appears to be an illicit discharge present. The full effectiveness has not been realized since staff has not had to seek any civil or criminal penalties under Chapter 29 of the County code, although it enables Public Works staff to make site visits at businesses as authorized under 29-50. This BMP is successful at Level 3 where communication occurs and follow-up visits confirm correction occurred; it is successful at Level 4 where abatement includes cleanup of material from the storm drain system.

c) Education & Outreach (BMP 3.3)

- Targeted Educational Materials and Training Workshops – The targeted educational materials are a very effective communication tool because they serve as a good guideline for discussing the illicit discharge concerns with the responsible party. They suggest alternatives to polluting. Once provided, the brochures can be re-distributed by the recipient to other appropriate people. This measurable goal is successful at Level 2.
- Mutt Mitts – This program effectively changed the target audience’s behavior as well as reducing the load of pollutants resulting from pet waste. The County distributed over 339,000 Mutt Mitts this permit year. This measure was successful at Level 4.
- Waste Collection & Recycling Programs. Knowledge and awareness for the target audience was increased through Resource Recovery’s recycling programs. This measure was successful at Level 2 and 3.
- Recycling and Hazardous Waste Collection Programs The County hazardous waste collection programs have resulted in recycling of thousands of pounds and thousands of gallons of hazardous waste which may have otherwise been disposed into the storm drains (Refer to Table 3-1 in chapter 3). By preventing opportunity for these wastes to be dumped or otherwise mismanaged, these measures are effective at protecting the storm drains by removing wastes at a Level 4.

d) Spill & Complaint Response; Field Investigation & Abatement (BMPs 3.4 and 3.6)

- Complaint and Discovery Response. The complaint and discovery response program is very effective in that the response time is very short and the issues are address quickly as possible. Due to timely response illicit discharged are dealt with very effectively. Staff has face to face communication when possible with responsible party. Staff gives them targeted educational materials related to the discharge in question. Follow up inspections and/or meetings occur to ensure abatement has been completed if applicable. This BMP is successful at Levels 3 and 4 where follow-up results in elimination of discharge.
- Creek Walks. Creek walks allow staff to discover sources of pollution that would otherwise not be reported. Clean ups were performed in 6 locations as a result of creek walks. In addition, two different public involvement creek clean ups were scheduled to address the high amount of trash seen during some creek walks. This BMP is successful at Level 1, with outcome success at Levels 3 and 4.
- Septic System Pumper Report and Conversions. This program follows plumbing code. Through the voluntary pumpers reports, EHS is able to require those owners of seriously failing septic systems located within 200' of a sanitary trunk line to connect to the sanitary system. Implementing plumbing code requirements is successful at Level 1 while eliminating potential discharges to the storm drain system is successful at Level 4.

Commercial / Industrial / Business Inspections (BMP 3.5)

- Hazardous Materials Generators Inspections. This program has several components that make it effective. The hazardous materials generators permit requirements consist of employee training that covers appropriate handling, storage, and disposal and reporting of hazardous materials and wastes including plans for the containment of spills and the procedures to be followed in the event of a spill. Also regular site visit inspections are conducted. Directly reaching these businesses with trained Fire Dept staff looking for improperly stored material or maintenance practices is successful at Level 3.
- Environmental Health Services Food Facility Inspections. This program is very effective in that it gives the inspectors the authority to close a facility down they are not in compliance. For this permit year 86% of all facilities were inspected with 12 liquid waste violations occurred and all 12 were abated. Similarly, direct inspections at businesses by trained health inspectors looking for improperly stored material or maintenance practices is successful at Level 3 and in those cases where practices are modified and pollutants are removed from areas of storm water runoff, successful at Level 4.
- Project Clean Water Business Inspection Program. The Business Inspection Program has been very effective in several ways. First it enables staff to get direct attention from potentially polluting businesses. Staff speaks with owners and managers directly about possible illicit discharges and informs them that there can be serious consequences if discharges are not abated in a reasonable amount of time. This program allows staff to take a close look at businesses to identify any possible illicit discharges they may need to be addressed. Inspectors provide and discuss targeted educational pamphlets. Lastly just by getting staff in the field, it gives staff the opportunity to spot other illicit discharges from neighboring businesses that may not be a targeted business or illicit discharges

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elsewhere in the community. Three businesses required corrections and all three made the corrections within the time specified by staff within one week. This program is successful at Level 1 for implementation and Level 3 for follow-up with businesses.

- Recurrent Discharges Elimination Program Development. A program to eliminate recurrent discharges from business inspected that had violations was effectively developed. Utilizing the authority under the County's Storm Water Ordinance's escalating severity of consequences of enforcement actions, scheduled follow-up inspections, and good record keep the County will be able to effectively eliminate recurrent discharges. During Year 2, this measure was effective at Level 1 at program development.

Table 7.3 Effectiveness Assessment Summary for Illicit Discharge Detection and Elimination Program

BMP	Effectiveness Assessment Outcome Levels			
	Level 1	Level 2	Level 3	Level 4
	Implement Program	Increase Awareness	Behavior Change	Load Reduction
3.1 Storm Sewer Mapping	Y1, Y2 Map and Updates	Y1, Y2 Map and Updates		
3.2 Storm Water Ordinance			Y2 Approve Code Revisions	Y2 Where cleanup results
3.3 Education & Outreach		Y1 Y2 Brochures and workshops Y1, Y2 Waste collection & Recycling	Y1, Y2 Waste collection & Recycling	Y1, Y2 Mutt Mitts Y1, Y2 Waste Collection & Recycling
3.4 Spill Complaint and Response			Y1, Y2 Complaint and Discovery Investigations	Y1, Y2 Complaint and Discovery with cleanup
3.5 Commercial/Industrial Facility Inspections	Y1, Y2 Implementation of all inspection programs consistent w/ state laws	Y1, Y2 Haz Mat Inspections Y1, Y2 Food Service Inspections Y2, PCW Business Inspections	Y1, Y2 Haz Mat Inspections Y1, Y2 Food Service Inspections Y2, PCW Business Inspections	Y1, Y2 Where inspections results in correction and cleanup
3.6 Field Investigations and Abatement	Y1, Y2 Creek Walks	Y1, Y2 Where direct communication occurs	Y1, Y2 Where follow-up confirms cleanup	Y1, Y2 Eliminate discharges thru cleanup

Y1 – Reporting/assessment with the FY 2006-2007 Annual Report

Y2 – Reporting/assessment with the FY 2007-2008 Annual Report

MCM 4.0 Construction Site Storm Water Runoff Control

The Construction Site Storm Water Runoff Control minimum control measure is implemented and enforced under authority of the County Planning & Development Department, through County code, policy, and practice.

a) **Grading Code and Land Use Permitting (BMPs 4.1, 4.2, 4.3, 4.4, 4.5, and 4.6)**

Chapter 14 of County Code was updated prior to SWMP implementation and evaluated during Year 2.

- Grading Code / Land Use Permitting Evaluation. Procedures and effectiveness for implementing this control measure were evaluated during Year 2 and recommendations made public (see Appendix 4A). Developing this analysis and presenting to the public is successful at Levels 1, and 2 during Year 2, and ultimately Levels 3 and 4 (in years to come).
- Recommendations Implemented. Training building inspectors was added during Year 2, as recommended from evaluation. Targeted education to staff with frequent site visits to construction projects is effective at outcome Level 2.
- Erosion Sediment Control Plans. Ongoing review and approval of Erosion and Sediment Control Plans provide site-specific evaluation; 4,486 permits were submitted and reviewed. The review of plans via Grading Permit process is successful at multiple levels. It is effective at outcome Level 1 in accordance with the General Permit requirements; successful at Level 2 where submittals require awareness of potential pollutant discharges from grading sites; successful at Level 3 where plans are used to correct or modify contractor behavior to prevent pollutant discharges; and, Level 4 where practices are used and maintained to prevent pollutants from being discharged into the County MS4.
- Inspections. All grading permitted sites are inspected regularly at various intervals based upon the phase of construction and the time of year. All sites greater than 1.0 ac in disturbance are inspected, at a minimum, twice per month in the rainy season exclusively for potential storm water impacts. A total of 3,131 inspections were performed at construction sites in Yr 2; a total of 423 inspections were performed at sites greater than 1.0 acre in disturbance. The inspection of construction sites operating under a Grading Permit is successful at multiple levels. It is effective at outcome Level 1 in accordance with the General Permit requirements; successful at Level 2 where inspections result in a communication between inspector and contractor, whether written or verbal, increasing awareness of potential pollutant discharges; successful at Level 3 where inspections result in correction or modification of contractor behavior; and, Level 4 where inspections result in proper use, maintenance, or abatement of improper practices, thus preventing pollutants from being discharged into the County MS4.
- Enforcement. No Stop Work Orders were issued in Year 2. All corrections were accomplished through verbal warnings or written correction notices. Avoiding Stop Work is a strong incentive for contractors to make immediate and responsive corrections to avoid punitive action, and immediately effective at a Level 3 for changing behavior.
- Complaints Submitted by Public. Building and Safety staff respond to all legitimate complaints and make a site visit within 48 hours. Regarding “review and act on all

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information submitted by public to B&S Division”, it is difficult to assess the effectiveness of these procedures because we do not separately track violation cases that relate to water quality, vs. information that might relate to a zoning violation such as size of structure, for example. However, the approach for complaint response is consistent regardless of the complaint details. Furthermore, all records of violations (nature of violation, follow-up measures) are retained within a case file. Planning & Development Permit Compliance staff always notify Building & Safety Grading Inspectors in cases where corrective measures were required for clean water BMPs. Responding to complaints is effective at an outcome Level 3.

- Improvements in Permit Tracking. All data associated with permit processing is tracked through a countywide software called Accela. During Year 2, revisions were developed that will lead to a new field allowing the planner to identify whether the project is a category from General Permit Attachment 4(B). As part of ongoing effort updating Accela, staff will include tracking for violations/complaints with a unique qualifier in the Accela database, such as “erosion/sediment controls not in place” or “non-stormwater discharge control measures not in place”. This will improve identification and tracking of these cases throughout the permit process, including construction inspections and completion. Work toward these changes is effective at Level 1, and will ultimately produce a change in the way planners record and track projects at an outcome of Level 3.

b) Training (BMP 4.6)

- Grading (B&S). All grading inspectors attended training offered by RWQCB during Year 2; effective at outcome Level 2.
- Compliance (D-Rev). All planners and compliance inspectors received training during Year 2. During Year 1, staff were handed out a quiz that was filled out, and then discussed during the course of the presentation. The advantage to this approach was opportunity to correct misinformation and provide an open discussion. However, there was no way to assess the effectiveness of the training in this fashion. During Year 2, another approach was implemented. The quiz was provided during the presentation but was not discussed. Most staff were unable to fill out the quiz during the presentation, and submitted later. This resulted in a low response; only half the participants completed the survey in spite of two reminder emails. However, results could be tabulated and areas of misunderstanding and misinformation could be assessed. Therefore, each method was somewhat effective for different reasons, but neither was completely effective. A combination of two approaches will be used in Year 3. Ongoing training of planners and compliance inspectors under this program is effective at an outcome Level 2.

a) Construction Workshops / Website (BMP 4.7)

- Evaluation Workshops. Two public workshops were held during Year 2 to present the evaluation outcome and provide an overview of the countywide construction program. There was limited attendance at both the Santa Maria and Santa Barbara workshops. This could be due to lack of concern on part of construction contractors because they are familiar with County erosion/sediment control requirements or lack of concern on part of stakeholders. Advertising to the construction community was focused on the two contractors associations (Santa Maria Valley Contractor Assn and the Santa Barbara

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Contractors Assn). (See additional discussion on the evaluation workshops above under BMP 4.2 in Section 4.0). Making these presentations to the public is effective at an outcome Level 2.

- Website. The construction link on the Project Clean Water website was substantially updated in January 2007, with minor updates in Year 2. The County's Building & Safety website also provides information on the permit including grading permit submittal requirements, fees, and application/permit status. During Year 2, links to appropriate BMPs for submitting an Erosion and Sediment Control Plan or Stormwater Pollution Prevention Plan was added. Together, these two website provide guidance on the requirements for obtaining Grading Permits, where to find appropriate County-adopted BMP manuals, and what is required to comply with the local clean water requirements. Having this resource available and maintained on a web page provides an effective outreach opportunity for education the public, planners, and regulatory staff, effective at an outcome Level 2.

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Table 7.4 Effectiveness Assessment Summary for Construction Site Storm Water Runoff Control

BMP	Effectiveness Assessment Outcome Levels			
	Level 1	Level 2	Level 3	Level 4
	Implement Program	Increase Awareness	Behavior Change	Load Reduction
4.1 Grading Ordinance Revisions	(Completed prior to SWMP)	(Completed prior to SWMP)	(Completed prior to SWMP)	
4.2 Evaluate Grading Ordinance	Y2 Conduct Evaluation	Y2 Conduct Evaluation, review results with staff and public		
4.3 Erosion & Sediment Control; Control of Wastes	Y1, Y2 Ongoing implementation permit procedures Y1, Y2 Complaints forwarded to inspectors	Y1, Y2 Ongoing application of BMPs at construction sites thru proper plan submittals	Y1, Y2, Inspections and Correction Notice Y1, Y2 Complaint response Y1, Y2 Where verbal warnings or correction notices issued	Y1, Y2 Where BMPs used at construction sites prevent / eliminate discharges Y1, Y2 Where inspectors identify & prevent / eliminate discharges
4.4 Review of Plans, etc	Y1, Y2 Ongoing thru permit procedures	Y1, Y2 Ongoing application of BMPs at construction sites thru proper plan submittals	Y2 Revisions to Accela & overall permit tracking	
4.5 Discretionary Projects - Land Use Permits	Y1, Y2 Ongoing thru permit procedures		Y1, Y2, Inspections and Correction Notice Y1, Y2 Complaint response	
4.6 Evaluate Land Use Permit Program Efficacy	Y2 Conduct Evaluation	Y2 Conduct Evaluation, review results with staff and public		
4.7 Staff Training		Y1 Grading Inspectors Y2 Grading plus dev-rev and compliance inspectors		
4.8 Construction Workshops		Y2 Two workshops Y2 Website improvements		

Y1 – Reporting/assessment with the FY 2006-2007 Annual Report

Y2 – Reporting/assessment with the FY 2007-2008 Annual Report

MCM 5.0 Post-Construction Storm Water Management in New and Redevelopment

The Post-Construction Storm Water Management in New and Redevelopment minimum control measure is implemented under authority of the County Planning & Development Department through County code, policy, and practice. Other County departments such as Public Works, Fire, and Public Health, provide input to the permitting and development process; Public Works provides that input for implementing a portion of the General Permit Attachment 4(B) requirements.

Overall, the County's Hillside and Watershed Protection Policy (Policy #7) is clear and unambiguous in intent: "Degradation of the water quality...shall not result from development of the site."

By applying this policy through the permit procedures process, the County provides consistent review of water quality impacts and appropriate mitigation to protect water quality from storm water runoff. Effectiveness will best be measured over the 5-year implementation period as awareness from the development community increases and plan submittals improve. During Years 1 and 2, effectiveness is focused on Outcome Level 2 (raise awareness) and Outcome Level 3 (change behavior, resulting in implementation of BMPs), with the goal of the overall storm water program of Outcome Level 4 (Reduce Pollutant Load).

a) Land Use Policies and Permit Review Process (BMPs 5.1, 5.2, 5.4)

Relevant land use policies and procedures were updated prior to Year 1, as described in the Storm Water Management Program. During Years 1 and 2, the County continued to implement these updated policies and procedures. During Year 2, many of the recommendations from the Year 1 evaluation were implemented, as discussed in Section 5.0 and Appendix 5C.

- Updated Community Plans. Several community plans were updated during Year 2 that included Low Impact Development design considerations. For example, the draft Mission Canyon Residential Design Guidelines includes direction for use of permeable paving on driveways, and development of hillside areas to minimize grading and runoff from impervious surfaces. This is successful at Level 3.
- Improved Submittals. Applications are improving over time as applicants become more familiar with the County requirements and expectations. Although there is a specific application item requesting the applicant address "measures that will be incorporated into the project design to address storm water quality (e.g. protect riparian corridors, reduce runoff, reduce directly-connected impervious area, eliminate pollutant sources)", the quality of response to this application item has improved over time. This is due in part to directed outreach efforts, staff training, and direct communication to applicants during pre-application meetings and SDRC meetings. Furthermore, planners cannot deem an application "complete" until the applicant has addressed how storm water runoff will be treated (for Attachment 4(B) category project applications). Improvements in initial design and submitted applications are successful at outcome Level 2 and where submittals have improved, behaviors have changed resulting in complete submittal requirements early in the project application which is effective at Level 3.
- Improvements in Permit Tracking. All data associated with permit processing is tracked through a countywide software called Accela. During Year 2, revisions were developed

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that will lead to a new data field, wherein the planner will identify whether an application is for a General Permit Attachment 4(B) category project. This will improve identification and tracking of these cases throughout the permit process, including construction inspections and completion. This work is successful at Level 3.

- Inspections During Construction. All projects issued a discretionary permit (CUPs, DVPs, etc.) undergo regular inspections during construction to ensure compliance with permit conditions and mitigation measures. Inspections are designed to assure, 1) the project construction complies with all conditions of approval, 2) the design is consistent with final approved plans, 3) construction meets all codes and standards, and 4) the final project complies with any conditions of use or final design conditions, such as landscaping. Failure to do so could result in a Stop Work Order, which is a highly effective mechanism to assure immediate correction. Only when the project has complied with all conditions of approval, codes, standards and plans, will the Planning and Development Department issue final occupancy clearance and release the construction bonds. Linking project closure with proper installation of all elements of project design provides an effective mechanism to assure compliance. Construction inspections are successful at a Level 3 outcome and where abatement occurs, Level 4.
- Certification Upon Completion. Projects that have structural treatment control measures, required as a condition of permit issuance, must be certified by the design engineer upon completion, prior to final Occupancy Clearance. The two main reasons treatment control measures fail is because 1) they are not installed correctly and 2) they are not maintained. Requiring the licensed design engineer to certify installation is a very effective way to assure the long-term function of the BMP, because it assures legal responsibility for proper installation. This is effective at a Level 3 outcome.
- Maintenance Inspections. Project Clean Water staff inspects those projects with structural treatment control in place, or under construction. There were two maintenance inspections for installed BMPs performed during Year 2. Both were functioning and well-maintained. As stated above, the two main reasons treatment control measures fail is because 1) they are not installed correctly and 2) they are not maintained. County follow-up on maintenance activity assure the long-term function of the BMP; failure to do so would be in violation of the recorded maintenance agreement. Assuring the treatment BMP is functioning to treat pollutants from storm water runoff is successful e at an outcome Level 4.
- Scope. It is worth noting that all discretionary development and redevelopment proposed throughout the County, not just those limited to the SWMP permit area, are analyzed for consistency with policies. This provides a broader and more consistent approach to development countywide. This expanded scope is successful at an outcome Level 3.

b) Program Evaluation (BMP 5.3)

During Year 1, the County together with a consultant team developed an in-depth analysis of County policy and practices, compared the policy and practices to the minimum General Permit requirements, and identified areas of permit deficiency or opportunities to improve. This resulted in a number of effective changes at the County, detailed in Appendix 5C, including:

- Revised Flood Control standard conditions, successful at Level 3;

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- Revisions and updates to the Planner's Guide to Standard Conditions of Project Plan Approval, successful at Level 3;
- Revised draft of treatment control BMP standard conditions of approval, successful at Level 3;
- Revised draft Public Works Engineering Design Standards, successful at Level 3;
- Updated post-construction web page, successful at Level 3.

Addressing these recommendations will continue throughout the 5-year permit term.

c) **Staff Training, Education & Outreach Efforts (BMP 5.5)**

During Yr2, training focused on primarily development review planners. Except for the Montecito Planning Commission presentation in July 2007 (see Appendix 5G), most outreach or training to decision makers and to the development / design community occurred in Yr1.

- Community / Decision Maker Training and Outreach. During Year 1, presentations were made to the County Planning Commission, the Montecito Planning Commission, the County Architectural Review Board, and the Montecito Architectural Review board. The City of Goleta's Design Review Board also requested a presentation on the Post-Construction requirements of the General Permit by County of Santa Barbara staff from Project Clean Water. Community presentations were made to the American Public Works Association, the Home Builders Association of the Central Coast, and the Project Clean Water stakeholders. Such presentations are highly effective because, in the case of planning commissions and architectural review boards, they assure consistent application of County policy by targeting those individuals who can change a project's design. In the case of outreach to the design and development community, such presentations are effective because they raise expectations for project design to a higher level. Overall the effectiveness of education and outreach is successful at Level 2.

Staff training and outreach efforts were effective by targeting those directly involved in development review.

- Staff Training: Response to Assessment Quiz. During Year 1, staff were handed out a quiz that was filled out, and then discussed during the course of the presentation. The advantage to this approach was opportunity to correct misinformation and provide an open discussion. However, there was no way to assess the effectiveness of the training in this fashion. During Year 2, another approach was implemented. The quiz was provided during the presentation but was not discussed. Most staff were unable to fill out the quiz during the presentation, and submitted later. This resulted in a low response; only half the participants completed the survey in spite of two reminder emails. However, results could be tabulated and areas of misunderstanding and misinformation could be assessed. Therefore, each method was somewhat effective for different reasons, but neither was completely effective. A combination of two approaches will be used in Year 3. Training development review staff and compliance inspectors is successful at Level 3.

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Table 7.5 Effectiveness Assessment Summary for Post-Construction Storm Water Management in New and Redevelopment

BMP	Effectiveness Assessment Outcome Levels			
	Level 1	Level 2	Level 3	Level 4
	Implement Program	Increase Awareness	Behavior Change	Load Reduction
5.1 Update Land Use Policies	Y1 Modify Policy Y2 Modify Guidance		Y2 Update Comm Plans & Development Guidance	
5.2 Implement Design Standards Per General Permit	Y1, Y2 Apply policy per standard procedures	Y1 Develop website Y2 Improve Submittal	Y2 Improvement tracking (Accela) Y1, Y2 Construction Inspections Y1, Y2 Certification Y2 Improve Submittals	Y1, Y2 Compliance inspections that result in abatement of discharges or correction per plans
5.3 Evaluate Program Efficacy	Y 1 Conduct Program Evaluation		Y2 Implement Recommendations	
5.4 Project Evaluations				Y1, Y2 BMP Maintenance Inspections
5.5 Staff Training		Y1 Decision Maker presentations Y2 Decision Maker presentations	Y2 Staff training	

Y1 – Reporting/assessment with the FY 2006-2007 Annual Report
 Y2 – Reporting/assessment with the FY 2007-2008 Annual Report

MCM 6.0 Pollution Prevention / Good Housekeeping Practices for Municipal Operations

Following is a general assessment regarding the effectiveness of the first two years implementing of the Pollution Prevention / Good Housekeeping Practices for Municipal Operations.

a) **Audit, Protocols, Fact Sheets, Reporting (BMPs 6.1, 6.2, 6.3 and 6.4)**

The County of Santa Barbara has an extensive array of government activities, ranging from public health services and clinics, to emergency services from Fire, Sheriff, and Public Works, to horse boarding and restaurant management. Effectiveness will best be measured over time as the program develops and will focus on Outcome Level 2 (raise awareness) Outcome Level 3 (change behavior, resulting in implementation of BMPs) eventually leading to an Outcome Level 4 (Reduce Pollutant Load).

During the first two years:

- Survey Facilities. Establishing the database of facilities, assessing practices, and developing BMPs was an effective first step in the process of improving housekeeping practices of municipal operations. These measurable goals are successful at Level 1.
- Fact Sheets. The Best Management Practices Fact Sheets were developed based upon the type and nature of facilities surveyed. These measurable goals are similarly successful at Level 1.
- Audit Campuses. During Year 2, the database of facilities and BMP Fact Sheets was used to audit the largest County campuses that represented all County Departments for effective implementation of good housekeeping practices. Where deficiencies in good housekeeping practices were noted, follow-up provided immediately addressing potential discharges. This BMP was successful at Level 3.
- Tracking / Reporting. A web-based reporting system was developed in Year 2 for facility managers to track and report practices. The reporting system will be available on the County intranet for direct, individual reporting. Records will be used to assess effectiveness of education and training, and identify opportunities for improvements. As this measurable goal develops, effectiveness will be measurable as Level 3, but as of Year 2, successful at Level 1.

b) **Service Contracts (BMP 6.5)**

- Fleet Vehicle Washing. New practices for complete wastewater recovery were implemented for fleet vehicle washing at County parking lots. Preventing discharges from occurring is successful at Level 4.
- Fleet Vehicle Washing: Practice Verification. Inspections to verify the effectiveness of the wastewater recovery practices resulted in minor corrections at the Santa Barbara downtown location. This immediate response prevented a discharge from occurring and eliminated a potential pollutant load to the City's storm drain system. This effort was successful at Level 4.

c) **County Practices (BMPs 6.4, 6.6, 6.7, and 6.8)**

A number of ongoing county programs and practices provide protection of storm drains and receiving waters. These include culvert inspections, flood control maintenance, Resource

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Recovery's recycling and waste collection programs, ongoing Integrated Pest Management program, storm drain maintenance, and street sweeping, all described in detail in the SWMP. Specific areas of effectiveness include:

- Flood Control. Over 33 creeks or channels were inspected by Flood Control maintenance crews in Yr2. In addition to maintaining the channels through brush and debris removal, Flood Control staff will refer water quality issues to Project Clean Water staff for follow-up. This program is successful at Level 1 for implementation; where maintenance or referral occurs, successful at Level 4 for removing a pollution source.
- Public Works Roads Division Culvert Inspections and Maintenance. Routine inspection and maintenance resulted in 6,131 culverts inspected. Similar to Flood Control routine maintenance and inspection, this program is effective at Level 1 for implementation; where maintenance or referral occurs, successful at Level 4 for removing a pollution source.
- Solid Waste Facilities. Storm Water Pollution Prevention Plans implemented and updated at all solid waste facilities, as required by the State Water Resources Control Board consistent with the NPDES Industrial General Permit No. 97-03-DWQ. Implementation of these plans is effective at Level 3 and 4 by preventing pollutant loading. Regularly updating the plans is an NPDES permit requirement, successful at Level 1.
- IPM. Annually reporting on pesticide use has resulted in increased awareness and behavior changes in County staff by implementing pest management efforts which minimize, and in some cases eliminate the use of pesticides where feasible. Implementation of this program is successful at Level 3 and successfully proven at Level 4 through overall lowering of pesticide use since adoption of the IPM.
- Street Sweeping. A total of 65,675 lb of material were removed from the street sweeping program. This is a directly-measurable pollutant load reduction, successful at Level 4.
- Storm Drain Cleanout. A total of 30,745 lbs of trash was removed from the storm drain trash interceptors (CDS units). This is a directly-measurable pollutant load reduction, successful at Level 4.
- Bioswales. Storm drain discharges entering the Turnpike and two Rhoads Ave. bioswales intercepted and eliminated discharges from nuisance flows and small storm events. Therefore there is zero discharge of pollutants about 95% of the time (i.e. non-rainy days). This is a directly-observable pollutant load reduction, successful at Level 4.

d) Staff Training (BMP 6.9)

Education and outreach opportunities to County employees increases their knowledge and awareness. This improves performance of their municipal responsibilities, and increases the reporting of illicit discharges.

- Pocket Guide. Project Clean Water developed a new pocket guide in Year 2 for county staff (Appendix 1A). A total of 124 guides were discussed and distributed during staff trainings. This new information piece is successful at Level 2.

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- Staff training. Training provided to all Environmental Health inspectors, Fire Dept hazardous material inspectors, and all Public Works field crews (Roads, Flood) – total trained, 101 individuals. This measurable goal is successful at Level 2.
- Increased Discovery. There were three discoveries forwarded to PCW staff from Flood Control following training sessions held in north and south county areas (see complaints 08-024, 08-009, and 08-006). Direct referrals from trained, informed County staff are successful at Level 4, where those complaints result in direct follow-up and abatement.

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Table 7.6 Effectiveness Assessment Summary for Pollution Prevention / Good Housekeeping Practices for Municipal Operations

BMP	Effectiveness Assessment Outcome Levels			
	Level 1	Level 2	Level 3	Level 4
	Implement Program	Increase Awareness	Behavior Change	Load Reduction
6.1 Evaluation of Santa Barbara County Facilities	Y1 Survey			
6.2 Site Specific Water Quality Protocols	Y1 Protocols drafted, to be finalized Y3			
6.3 Municipal Operations BMP Fact Sheets	Y1 Develop Fact Sheets			
6.4 BMP Fact Sheet Implementation & Reporting	Y2 Web-based Reporting		Y2 Audit campuses	
6.5 Purchasing and Contracts	Y1, Y2 Contracts		Y1 Fleet Vehicle Washing Contract	Y2 Inspect Washing Practices
6.6 Integrated Pest Management Plan			Y1, Y2 Implement IPM	
6.7 Storm Drain Maintenance	Y1, Y2, Flood Control Maintenance Y1, Y2 Culvert maintenance Y1, Y2 Implement SWPPPs		Y1, Y2 Implement IPM Y1, Y2 Implement SWPPPs	Y1, Y2 Storm drain cleaning Y1, Y2 Bioswales Y1, Y2 Flood Control maintenance or referrals Y1, Y2 Culvert cleaning maintenance or referrals Y1, Y2 Implement SWPPPs Y1, Y2 Implement IPM
6.8 Street Sweeping				Y1, Y2 Street Sweeping
6.9 Staff Training		Y2 Pocket Guide Y2 Field Staff Training		Y2 Increased referrals from County staff

Y1 – Reporting/assessment with the FY 2006-2007 Annual Report
 Y2 – Reporting/assessment with the FY 2007-2008 Annual Report

Report 3

**UNIFIED PROGRAM
ANNUAL INSPECTION SUMMARY REPORT**
27 CCR Section 15290

Completed By: Judy Doyle-Fitzjarrell

Date Submitted: September 30, 2008

Fiscal Year: 07/01/2007 to 06/30/2008

CUPA: Santa Barbara County Fire

Telephone Number: (805) 686-8167

INSPECTION SUMMARY

PROGRAM ELEMENTS	1 No. of Regulated Businesses in each Program Element	2 No. of Regulated Businesses Inspected in each Program Element	3 Number of Routine Inspections	4 % of Routine Inspections w/Class I or II violations that RTC w/in 90 Days	5 Number of Other Inspections
Hazardous Materials Release Response Plans (HMRRP) *	1,455	463	498	N/A ②	265
California Accidental Release Prevention (CalARP)	38	11	13	N/A ②	3
Underground Storage Tank (UST) Facilities	154	149	212	N/A ②	265
Aboveground Petroleum Storage Tank (AST) Facilities	N/A ①	N/A ①	N/A ①	N/A ①	N/A ①
Hazardous Waste Generators					
Generators (ALL)	1,046	340	389	28%	160
RCRA Large Quantity Generators	5	-0-	0	-0- ③	-0-
Onsite Hazardous Waste Treatment (PBR, CA, CE)	21	5	8	-0- ④	-0-
Household HW (HHW)	7	7	3	100%	-0-

* Includes 433 Businesses at Vandenberg Air Force Base that are County and State Fee Exempt.

① Aboveground Petroleum Storage Tank Program has not formally started this fiscal year.

② Class I and Class II violations not tracked this fiscal year.

③ No Inspection or Violations at RCRA Large Quantity Generators

④ No Violations noted at PBR, CA or CE