

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM FOR STORMWATER DISCHARGES FROM THE MOJAVE RIVER WATERSHED

STORMWATER MANAGEMENT PLAN

FY 06-07 ANNUAL REPORT

GENERAL PERMIT NO. CAS000004

PROVIDED BY:



SUBMITTED TO:

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD,
LAHONTAN REGION**

October 15, 2007

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:: Introduction

The Mojave River Watershed encompasses approximately 4,500 square miles and is located entirely within San Bernardino County. The primary geographic and surface hydrologic feature of the watershed is the Mojave River.

In accordance with the State Water Resources Control Board (SWRCB), Water Quality Order No. 2003-0005-DWQ and the National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000004, the Town of Apple Valley, City of Hesperia, City of Victorville, and the County of San Bernardino (collectively known as the “Permittees”) submitted in August 2003; a Stormwater Management Plan (SWMP) to the Lahontan Regional Water Quality Control Board (RWQCB) for the control of pollutants in stormwater runoff.

The RWQCB accepted the SWMP and issued individual Permit coverage to the Permittees in February 2005 under the Municipal Separate Storm Sewer System (MS4) Phase II, NPDES Permit.

The Permittee’s SWMP consists of the following six minimum control measures (MCMs), which collectively will provide significant reductions of pollutant discharged into the receiving water bodies; the Mojave River and its tributaries.

1. Public Education and Outreach on Stormwater Impact
2. Public Involvement and Participation
3. Illicit Discharge Detection and Elimination
4. Construction Site Stormwater Runoff Control
5. Post-Construction Stormwater Management in New Development and Redevelopment
6. Pollution Prevention and Good Housekeeping for Municipal Operations

This Annual Report documents Permit compliance undertaken by the Permittees during the third of five terms (years). The third term started on July 1, 2006 and ended on June 30, 2007 (FY 2006-07). The Annual Report addresses only the third term’s goals and results, and provides an evaluation of the effectiveness of the selected Best Management Practices (BMPs) on stormwater pollution prevention. The next two years of the existing Permit will involve the implementation of the measurable goals as detailed in the SWMP. The effectiveness of selected BMPs will be evaluated to verify opportunities for improvements or modifications.

:: MCM 1. Public Education and Outreach on Stormwater Impacts

San Bernardino County					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Homeowner Educational and Outreach Program: Develop web page and brochures for stormwater mitigation measures related to pet/equestrian and pool maintenance activities.		X		
2	Business Educational and Outreach Program: For additional business targeted in Year 2, distribute brochures and mount web pages.	X			
3	Student/Teacher Education and Outreach Program: A. Implement and continue Water Education Program for Teachers B. Implement and continue Enviroscape Demonstrations C. Implement and continue High School Auto Fluids Disposal Program				X
4	Effectiveness of Public Education and Outreach Program: Evaluate effectiveness of Public Education and Outreach Program, refocus program as required, annually. - Submit articles and ads to local media outlet - Establish/maintain environmental outreach booths at local and regional events	X			

Town of Apple Valley					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Homeowner Educational and Outreach Program: Develop web page and brochures for stormwater mitigation measures related to pet/equestrian and pool maintenance activities.	X			
2	Business Educational and Outreach Program: For additional business targeted in Year 2, distribute brochures and mount web pages.	X			
3	Student/Teacher Education and Outreach Program: D. Implement and continue Water Education Program for Teachers E. Implement and continue Enviroscope Demonstrations F. Implement and continue High School Auto Fluids Disposal Program				X
4	Effectiveness of Public Education and Outreach Program: Evaluate effectiveness of Public Education and Outreach Program, refocus program as required, annually. – Submit articles and ads to local media outlet – Establish/maintain environmental outreach booths at local and regional events	X			

City of Hesperia					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Homeowner Educational and Outreach Program: Develop web page and brochures for stormwater mitigation measures related to pet/equestrian and pool maintenance activities.		X		
2	Business Educational and Outreach Program: For additional business targeted in Year 2, distribute brochures and mount web pages.	X			
3	Student/Teacher Education and Outreach Program: G. Implement and continue Water Education Program for Teachers H. Implement and continue Enviroscape Demonstrations I. Implement and continue High School Auto Fluids Disposal Program				X
4	Effectiveness of Public Education and Outreach Program: Evaluate effectiveness of Public Education and Outreach Program, refocus program as required, annually. - Submit articles and ads to local media outlet - Establish/maintain environmental outreach booths at local and regional events	X			

City of Victorville					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Homeowner Educational and Outreach Program: Develop web page and brochures for stormwater mitigation measures related to pet/equestrian and pool maintenance activities.		X		
2	Business Educational and Outreach Program: For additional business targeted in Year 2, distribute brochures and mount web pages.	X			
3	Student/Teacher Education and Outreach Program: J. Implement and continue Water Education Program for Teachers K. Implement and continue Enviroscape Demonstrations L. Implement and continue High School Auto Fluids Disposal Program				X
4	Effectiveness of Public Education and Outreach Program: Evaluate effectiveness of Public Education and Outreach Program, refocus program as required, annually. – Submit articles and ads to local media outlet – Establish/maintain environmental outreach booths at local and regional events	X			

The key to effective implementation of a stormwater management program is to foster community awareness and understanding of the issues surrounding stormwater pollution. Our goal is to improve awareness that stormwater sources are one of the most significant sources of surface water pollution. Support for stormwater management increases when the public understands the importance of stormwater pollution prevention and recognizes their role in protecting local waterways. As a result, public support for the SWMP increases the degree of local compliance with program requirements.

San Bernardino County in 2002 prepared a strategic stormwater research study of County residents regarding their knowledge and opinions on environmental issues. Some key findings from the “2002 San Bernardino County Stormwater Program Study” were:

- Residents are concerned about water and storm drain pollution, whereas 58% and 44% of those surveyed stated respectively, that pollution of local beaches and to local storm drains is a serious problem.

- Nearly one of four participants surveyed, stated that pollution of local waterways is worsening. Twenty-two percent (22%) of the participants indicated that the water in local rivers and lakes in the area is more polluted than it was a few years ago.
- Residents want to learn more. According to the survey, more than 1 in 4 people are very interested in learning how to reduce pollution.
- Sixty-two percent (62%) of the participants indicated that they would definitely change their behavior if they learned they were polluting waterways.

Public education and outreach remains one of the most important elements of the Permittees' SWMP. The Permittees have developed a proactive program that highlights the causes of stormwater pollution and prevention measures that can be efficiently implemented with relevant costs taken into consideration. The Public Education and Outreach Program is designed to be proactively communicated to residents, businesses, and schools through:

- Encouraging community ownership and protection of water resources;
- Increasing the community's understanding of stormwater pollution prevention;
- Promoting a clear identification of problem behaviors and solutions; and
- Educating target audiences about specific methods to prevent pollution.

The Program has been implemented to encourage all residents and businesses to take ownership of their communities in helping to reduce and prevent stormwater pollution. This Program has reached residents who engage in activities that contribute to pollution, often without even being aware of it; and educating them on proper practices when using products considered toxic.

A. Homeowner Educational and Outreach Program

Year Three Goals

Develop web page and brochures for stormwater mitigation measures related to pet/equestrian and pool maintenance activities.

Year Three Results

Educational and outreach materials were developed targeting dissemination at the "point of purchase;" such as home improvement stores, hardware stores, paint stores, garden centers/nurseries, and pet facilities. Tip cards, shelftalkers, tearsheets, fact sheets and posters associated with fertilizer, paint, and pesticide mitigation measures were developed. The tip cards were designed to provide easy-to-follow pollution prevention tips. Shelftalkers with tearsheets attached, provided the same information and were placed in the appropriate sections of the store. Tearsheets listed locations of household hazardous waste centers as well as hours of operation. The tearsheets allowed the customers to remove the information for future reference. The tip cards, shelftalkers, tearsheets, and the posters promoted the (800) CLEAN UP hotline and the www.cleanup.org website. Additionally, the Program utilized proper disposal of household hazardous waste and pet facilities posters to encourage pet owners to pick up after their pets in order to prevent pollution. The foregoing homeowner education and outreach materials can be located within Appendix A.

The City of Hesperia continued to successfully emphasize their Program by providing information at their water-billing counter and at City sponsored events such as the Hesperia Days Celebration. Water resource and recycling information was distributed to 25,000 residents via the City's water bill. In addition for this reporting year, the City of Hesperia mailed 700 Construction & Demolition Recycling Program informational postcards to their local builders. An itemized listing of educational materials that were distributed via the City of Hesperia is shown in Appendix B.

In this reporting year, the Permittees developed a website, www.mojaveriver.org; which targets residents, small business owners, and city and county representatives to access information related to stormwater pollution. This website is a source of news and information on the Program's efforts to reduce stormwater pollution. It also provides information on what residents, businesses and developers can do to prevent stormwater pollution. The website has links to general SWMP information, pollution prevention tips, HHW & oil recycling, pollution reporting, educational materials and school presentations.

Each Permittee has developed and maintained their respective Stormwater Pollution Prevention websites, consisting of relevant information pertaining to their community. The following is a synopsis of the each of the Permittee's websites:

- **San Bernardino County** (www.sbcounty.gov/stormwater) The County continued to update their comprehensive webpage during the reporting year. The site provides information regarding stormwater pollution prevention, ways people can help, activities they can take part in, and contact information (phone, address, fax, and e-mail) where the public may express concerns or comments as well as report illegal dumping or other violations. In addition, it includes a permittee resource center and important stormwater links to federal, state, regional, local, and environmental advocacy group resources.

The County has developed a "Pick-Up After Your Pooch To Curb Pollution" campaign. The campaign targets pet owners on the necessity of picking up after their animals and the environmental impacts that can occur through improper sanitation practices. Educational materials are available in 4" x 9" bill inserts, ¼ page black and white newspaper ads, 48"x 60" full-color bus shelter posters, and 4.1" x 5.5" double-sided, full color tip cards, which can be displayed at point of purchase venues or distributed at events. The County's webpage also provides stormwater pollution prevention information for canine and livestock owners. Stormwater mitigation measures associated with canine activities are listed, which include picking up after your pet, proper washing, and flea control. Stormwater mitigation measures associated with horse and livestock activities are also listed; including facilities design, pasture management, grazing management, collection and storage, use and disposal, and grooming.

- **Town of Apple Valley** (www.applevalley.org/municipal/stormwater) The Town of Apple Valley made their stormwater pollution prevention webpage available online in this reporting year. Information includes links to the following in-house pollution mitigation brochures; used oil and household hazardous waste, auto washing, landscaping, gardening and pest control, auto service, and construction BMPs. In addition, daily household tips, such as water conservation, painting, construction/remodeling, pool maintenance, vehicle washing, automobile/equipment maintenance are provided. The Town of Apple Valley's webpage also includes a section on proper pet waste disposal as well as pool and spa maintenance tips with acceptable and preferred methods of water disposal. For this reporting year, the Town also finalized a "Pet Waste and Horse Owners Storm Water Mitigation" brochure that discusses the impacts of improper sanitary control associated with pets/horses and various mitigation measures that can be effectively implemented (located within Appendix A).
- **City of Hesperia** (www.cityofhesperia.us) The City of Hesperia continued to maintain and expand on their stormwater pollution prevention webpage, including links to CASQA's Best Management Practices Handbooks for Municipal, Industrial/Construction, and New Development/Redevelopment as well as separate links to U.S. EPA and SWRCB's stormwater pollution prevention and water conservation webpages. For FY 2007-08, the City of Hesperia will update their website to include additional stormwater information and allow corresponding links to become more accessible.
- **City of Victorville** (www.ci.victorville.ca.us) *The City of Victorville has included information related to public service announcement online videos as well as irrigation efficiency information and xeriscape landscaping tips.*

B. Business Educational and Outreach Program

Year Three Goals

For additional business targeted in Year 2, distribute brochures and mount web pages.

Year Three Results

Partnership with Home Improvement Stores

Through the use of a consultant the Permittees collectively formed partnerships with local home improvement stores (Home Depot and Lowe's) to provide outreach materials to "do-it-yourselfers". Working with home improvement stores has proven to be a valuable distribution method, as many of the harmful products purchased from "do-it-yourselfers" have the potential to contribute to stormwater pollution (paint, pesticide, fertilizer, etc.). These stores provide a critical "point-of-purchase" opportunity to advertise anti-pollution messages and information on the proper use and disposal of hazardous products.

Store managers and employees were educated on stormwater pollution, its effects on the environment and measures to prevent pollution. The employee training sessions focused on the proper disposal methods of household hazardous wastes and the public education materials that would be placed within their stores. The goal was to educate the employees to become “spokespersons” on educating their customers on the proper use and disposal of household hazardous wastes.

Results:

- Developed partnerships with home improvement stores in the Mojave River area (See Appendix C)
- Conducted 4 presentations at Home Improvement Stores
- Trained 19 staff members and store managers
- Trained 56 employees at Home Improvement Store Presentations
- Distributed stormwater educational package to each attendee which included: a pesticide tip card, a paint tip card, a fertilizer tip card, a fact sheet, and a tearsheet
- Placed 10 paint shelftalkers, 10 fertilizer shelftalkers, and 7 pesticide shelftalkers in appropriate sections of participating stores
- Placed 1350 tearsheets attached to shelftalkers
- Placed 650 HHW tearsheets in appropriate sections
- Placed 500 paint tip cards, 450 pesticide tip cards, 450 fertilizer tip cards
- Placed 5 “Too Toxic to Trash” posters

Home Improvement Store Table Exhibits

The Permittees also conducted table-top exhibits that were held outside of home improvement stores. At these table-top exhibits, materials such as tearsheets, tip cards, and pens were available to residents at the entrance to the store. Information was provided on a “one-on-one” basis; educating participant on stormwater pollution, ways to prevent it, and the locations of the nearest household hazardous waste center.

Results:

- Conducted 3 table-top exhibits at home improvement stores (See Appendix C)
- Educated 325 residents on stormwater pollution
- Distributed 325 tearsheets to residents
- Distributed 57 pens with the Mojave River Watershed Group Logo and the (800) CLEAN UP hotline number

Partnerships with Hardware Stores, Paint Stores, Garden Centers, and Nurseries

The Permittees also formed partnership with smaller hardware stores as well as paint stores and garden centers/nurseries. These stores provided a critical “point-of-purchase” opportunity to advertise anti-pollution messages and information on proper use and disposal of hazardous products to the target audience.

The Permittees also trained the managers and employees of these stores on BMPs and disposal of household hazardous wastes so they could deliver the correct information to their customers. Fact sheets were distributed to store managers and staff during one-on-one training sessions, which outlined pollution prevention tips for paint, pesticides and fertilizers.

Results:

- Developed partnerships with hardware stores, paint stores and garden centers and nurseries in the Mojave River area (See Appendix C)
- Trained 65 staff members and store managers of hardware stores, paint stores and garden centers and nurseries
- Placed 10 paint shelftalkers, 13 fertilizer shelftalkers, and 14 pesticide shelftalkers in appropriate sections of stores
- Placed 1850 tearsheets attached to shelftalkers
- Placed 2150 HHW tearsheets in appropriate sections
- Placed 1050 paint tip cards, 1050 pesticide tip cards, 1000 fertilizer tip cards
- Placed 33 “Too Toxic to Trash” poster

Partnerships with Pet Facilities

The Permittees partnered with major pet store chains such as PETCO and PETSMART, as well as smaller independent pet stores, veterinarian clinics, kennels and pet grooming facilities to provide outreach to pet owners. “Pick-Up After Your Pooch To Curb Pollution” posters were placed on walls, bulletin boards, as well as store windows and doors to remind pet owners of the importance of pollution prevention. In addition, employees were educated on the stormwater pollution issues and the importance of picking up after one’s pet.

Results:

- Developed partnerships with pet facilities in the Mojave River area (See Appendix C)
- Trained 77 staff and store managers
- Placed 51 posters at bulletin boards, store walls and windows

C. Student/Teacher Education and Outreach Program

School participation is vital to the success of the SWMP in terms of influencing the future leaders of the community and remains a long-term commitment for the Permittees. The student/teacher program promotes public awareness and increases knowledge of environmental issues. The earlier environmental education is provided, the more likely it will have a positive effect on an individual's values, and in turn, influence lifestyles.

The Permittee's Student/Teacher Education and Outreach Program objectives are to:

- Raise awareness, promote concern, and increase skills in improving the quality of stormwater;
- Promote stormwater discussion and behavior at school and at the home;
- Integrate stormwater education into a formal curricula and through other school activities; and
- Support and enhance the local government and school relationships.

Year Three Goals

- Implement and Continue Water Education Program for Teachers
- Implement and Continue Enviroscope Demonstrations
- Implement and Continue High School Auto Fluids Disposal Program

Year Three Results

High Desert Stormwater Phase II Awareness Impact Program

The foregoing programs were implemented via the “High Desert Stormwater Phase II Awareness Impact Program” by the Mojave Desert Resource Conservation District (MDRCD), who partnered with six municipalities (Apple Valley, Barstow, Hesperia, Lancaster, Palmdale, and Victorville). This 24-month pilot project, funded by the State Water Resources Control Board Proposition 13 Non- point Source Pollution Program, operated from March 2004 through February 2006. Further funding opportunities to continue the Program were not secured.

In response to the termination of Proposition 13 Grant funding, modifications were made to the implementation of the outreach program. The Permittees initiated a contract with a firm to develop additional educational outreach programs within the Mojave River Watershed which provided pollution prevention presentations to schools throughout the watershed.

FY 06-7 Permittees’ School Education and Outreach Program

The Malibu Foundation for Environmental Education conducted presentations in classroom and assembly settings. The classroom presentations were geared toward individual grade levels; whereas the school assembly was intended to reach the entire school. The program allowed the schools the flexibility to choose their preferred presentation format.

The presentation utilized an interactive slideshow. This interactive slideshow connected students with their surroundings, teaching them about the storm drain system and how litter in the Mojave River area impacts drinking water and the local environment in addition to the impacts litter has on all rivers, beaches and oceans. The presentations are also a call to action as students are encouraged to act on the lessons learned by hosting their own cleanup event.

Results:

- Distributed flyers that offered free school assemblies or classroom presentations
- Developed relationships with elementary schools through conducting school assemblies and classroom presentations
- The Malibu Foundation reached 15 schools and 4,750 elementary school students (See Appendix D)

Individual Permittee's School Educational Program

City of Victorville

The City of Victorville provided funding to the Mojave Desert Resource Conservation District to continue the Enviroscope Presentation Program for this reporting year. Thirty-three (33) presentations were given to seven hundred fifty-eight (758) students.

School	Number of Presentations
<i>Victor Elementary School District</i>	
Endeavour Elementary	3
Liberty Elementary	5
Lomas Elementary	4
Village Elementary	4
Galileo Elementary	5
<i>Adelanto School District</i>	
Morgan-Kincaid Preparatory	5
<i>Private Schools</i>	
Bible Baptist Christian Academy	2
High Desert Academy	2
Victorville SDA	3
Total:	33

Pre and post presentation surveys were given to the students receiving the presentations. The results were compared to determine if there was any increase in awareness after participation. The Program resulted in measurable increases in student awareness of causes of pollution and ways to prevent or minimize nonpoint source pollution. The average after-presentation survey indicated a 21.1% increase in stormwater awareness.

Town of Apple Valley

Apple Valley Ranchos Water Company (AVR), who is an investor-owned utility that provides domestic water service to the Town of Apple Valley. AVR has been an invaluable partner to the Town in providing the Unified School District (USD) with efficient water use information. AVR has supplied individual teachers with water conservation materials for use in their classroom activities. In addition, AVR's education program has been expanded to include a live theater production, which teaches the students the importance of water conservation and urban runoff mitigation. This program also incorporates classroom learning guides and activities for the teacher and the students, which reinforce and expand on water conservation and urban runoff mitigation.

City of Hesperia

To encourage the Hesperia School District to partner with the City of Hesperia in Environmental Education, 17 program binders were distributed to all Hesperia Elementary Schools and 6th grade only schools. The City also sponsored the first Community Recycling Poster Contest, which highlighted thirteen posters in a City of Hesperia 2007 Calendar. A total of 80 entries were received and 3,000 calendars were printed and distributed. The City's annual coloring contest in support of Water Awareness Month and the Keep California Beautiful Program had 2,239 entries with 12 entries being selected as winners.

D. Effectiveness of Public Education and Outreach Program

Year Three Goals

Evaluate effectiveness of Public Education and Outreach Program, refocus program as required, annually.

- Submit articles and ads to local media outlet
- Establish/maintain environmental outreach booths at local and regional events.

Year Three Results

The Permittees have worked cooperatively to ensure that activities and messages are cohesive and efficiently utilized. The Permittees targeted audiences that have ranged from those whose main interest is related to their everyday lifestyles and activities, to those who manage large facilities in need of operational changes.

The Permittees utilized media releases to make their constituents aware of upcoming meetings and events. The following are various media releases that were circulated within this reporting year.

- **City of Victorville (September 1, 2006), "Victorville Keeps Hazardous Waste Out of the Landfill."** Announcement of the Victorville's Household Hazardous Waste Collection Center, which is opened on Wednesday and Sundays.
- **Mojave River Watershed News Release (November 2, 2006), "Stormwater Workshop Set Thursday (November 2nd), Public Is Encouraged to Attend."** Information pertaining to the Annual Stormwater Workshop was detailed as well as compliance with the Clean Water Act and public assistance in controlling pollutant-laden water via proper disposal of household waste products and efficient landscaping.
- **City of Victorville News Release (December 15, 2006), "Don't Forget to Recycle During the Holidays."** An announcement that new appliances given during the holidays requires proper recycling of old electronic appliances, which cannot just be dumped in a trash container. Information relating to Hazardous Waste Collection Center was provided.

- **City of Victorville News Release (December 20, 2006), “Recycle Your Christmas Trees at the Curb.”** Announcement that for the first time, Victorville residents can dispose of their Christmas trees just like any other recyclable on the curbside.
- **City of Victorville News Release (January 8, 2007), “More Cash For CRV Bottles & Cans in 2007.”** An announcement on the increase in the California Refund Value (CRV) as well as a comprehensive list of 18 different recycling centers within the City.
- **City of Victorville News Release (February 1, 2007), “New & Improved High Desert Recycling Guides Are Now Available.”** Announcement on the City’s updated, new and improved, recycling guidelines. The recycling guides provide helpful tips and suggestions, but also list some 70 local businesses that can recycle or reuse unwanted, still useable items. The guide also lists local CRV recycling centers, postal centers that will accept items such as styrofoam peanuts and bubble wrap, and where to drop off unwanted electronics for free.
- **City of Hesperia News Release (April 5, 2007), “City-Wide Clean-up.”** Announcing the April 14, 2007 Citywide Clean-Up Day, which is held in conjunction with the County’s Free Disposal and Recycling Day, promotes free disposal of furniture, appliances, bagged, boxed, or bundled items. As an additional service, the news release indicated that seniors and the disabled may schedule curbside pick-up.
- **City of Hesperia’s Adopt-A-Street Program** Newspaper ads ran in June and “Don’t Litter” posters were placed in bus shelter to provide additional community awareness for the City’s Adopt-A-Street Program,

Environmental Outreach Booths

The Permittees utilized environmental outreach booths at local and regional events, which allowed two-way communication with the public. The environmental outreach booths provided an excellent opportunity to not only disseminate stormwater public education information, but allowed the public to ask questions, and voice comments and/or concerns. The Permittee provided environmental public education and outreach at the following events:

- **The High Desert Home and Garden Show**, was held on April 13-15, 2007 at the Fairgrounds in Victorville. The annual trade show promotes services and products related to home improvement. The Permittees’ booth distributed information regarding proper waste material disposal techniques for typical home improvement projects. Other materials such as tip cards, tearsheets and pens made from recycled materials were distributed as in effort to educate home owners on stormwater pollution and ways to prevent it. Additionally, the Enviroscape model was utilized as an educational tool to illustrate how the storm drain system works during rainfall and how pollutants can enter waterways through the storm drain system.

Results:

Listed below is a summary of the materials distributed at the 23rd Annual High Desert Home and Garden Show:

- 688 Residents Educated
 - 529 Tearsheets
 - 135 Paint Tip Cards
 - 131 Pesticide Tip Cards
 - 125 Fertilizer Tip Cards
 - 688 Pens
-
- **Hesperia Days Celebration** - The City of Hesperia hosted a water awareness booth on September 23 and 24, 2006, where staff was available to answer questions. Educational materials on water conservation and nuisance water runoff from over-watering were disseminated.
 - **Earth Day Celebration** was held on April 22, 2007, where the Permittees hosted activity booths; promoting environmental education and conservation.
 - **Water Awareness Month** - The Permittees were active in providing educational and outreach materials to water purveyors during the month of May.
 - **San Bernardino Home and Outdoor Living Show** – Permittees sponsored a water awareness booth at the San Bernardino Home and Outdoor Living Show held on June 29 and 30, 2007, where educational materials were disseminated and County staff was available to answer questions.

:: MCM 2. Public Involvement and Participation

San Bernardino County					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	As the other five minimum control measures are implemented, reevaluate the effectiveness of the Public Involvement/Participation Programs that the Permittees have become involved in. Determine necessary adjustments to the current programs or if new programs should be initiated.	X			

Town of Apple Valley					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	As the other five minimum control measures are implemented, reevaluate the effectiveness of the Public Involvement/Participation Programs that the Permittees have become involved in. Determine necessary adjustments to the current programs or if new programs should be initiated.	X			

City of Hesperia					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	As the other five minimum control measures are implemented, reevaluate the effectiveness of the Public Involvement/Participation Programs that the Permittees have become involved in. Determine necessary adjustments to the current programs or if new programs should be initiated.	X			

City of Victorville					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	As the other five minimum control measures are implemented, reevaluate the effectiveness of the Public Involvement/Participation Programs that the Permittees have become involved in. Determine necessary adjustments to the current programs or if new programs should be initiated.	X			

Program Goals

The Permittees' efforts to involve the public in the development and implementation of the SWMP has created the opportunity to bring together much needed community support and increase the level of compliance with program requirements. The success of a public involvement/participation effort relies on early and frequent involvement opportunities that build the community's sense of ownership in the stormwater management effort. An involved community will be more likely to understand the need for, and thus support the success of the SWMP. The Permittees have actively pursued opportunities involving the coordination of activities among themselves and area stakeholders.

Year Three Goals

As the other five minimum control measures are implemented, reevaluate the effectiveness of the Public Involvement/Participation Programs that the Permittees have become involved in. Determine necessary adjustments to the current programs or if new programs should be initiated.

Year Three Results

As discussed in MCM 1, the Mojave River Watershed website will provide a source of information on what residents, businesses, and developers can do to prevent stormwater pollution, including what their municipalities are doing. Furthermore, it allows the Permittees to efficiently coordinate and collaborate among themselves in updating relevant information pertaining to the SWMP.

The involvement of a diverse cross-section of people has been effective in terms of providing invaluable connections, further feedback, and information sources related to stormwater prevention. The Permittees continued to work collectively with other stakeholders to preserve the water quality in the High Desert Region. The Permittees were active in participating with the following stakeholders during this reporting year:

Mojave River Watershed Group Meetings - Eleven (11) meetings were held among the Permittees for this reporting year, which were made open to other stakeholders.

Mojave Water Agency Technical Advisory Committee (MWA-TAC) - The Permittees participated in bimonthly meetings coordinated through MWA-TAC. The MWA-TAC is a group made up of water purveyors, farmers, and community groups.

Alliance for Water Awareness and Conservation Consortium (AWAC) - The Permittees participated in meetings with the AWAC Consortium, an organization which actively provides water-related public information through workshops, publications, monthly newspaper articles, and displays.

San Bernardino County Flood Control District, Zone 4 Meetings - The Permittees participated in the Flood Control District, Zone 4 Advisory Committee Meetings, which is comprised of a wide cross-section of stakeholders groups, political, and community leaders in the High Desert.

Victorville Water Management Ad hoc Committee Meetings - This committee was formed in September 2004 with the Baldy Mesa Water District, Victor Valley Water District, and the Mojave Water Agency and the City of Victorville for development of consistent water use policies for the area. This committee meets every fourth Monday of the month at 4:30 p.m.

:: MCM 3. Illicit Discharge Detection and Elimination

County of San Bernardino					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	A. The Permittees will establish a formal storm drain system maintenance/inspection program. Records will be kept to document the storm drain program. Septic systems will be reviewed and the sanitary systems will be evaluated to determine if failures present a significant threat to stormwater quality.	X			
	B. Permittees will evaluate the discharges surveyed in Year 1 for impacts to water quality. Permittees will also, determine the agency and non-agency discharges that require “discharge to land” permits.	X			
	C. Permittees will conduct a public workshop on draft stormwater codes/ordinances during the Annual Public Meeting.				X

Town of Apple Valley					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	A. The Permittees will establish a formal storm drain system maintenance/inspection program. Records will be kept to document the storm drain program. Septic systems will be reviewed and the sanitary systems will be evaluated to determine if failures present a significant threat to stormwater quality.	X			
	B. Permittees will evaluate the discharges surveyed in Year 1 for impacts to water quality. Permittees will also, determine the agency and non-agency discharges that require “discharge to land” permits.	X			
	C. Permittees will conduct a public workshop on draft stormwater codes/ordinances during the Annual Public Meeting.				X

City of Hesperia					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	A. The Permittees will establish a formal storm drain system maintenance/inspection program. Records will be kept to document the storm drain program. Septic systems will be reviewed and the sanitary systems will be evaluated to determine if failures present a significant threat to stormwater quality.	X			
	B. Permittees will evaluate the discharges surveyed in Year 1 for impacts to water quality. Permittees will also, determine the agency and non-agency discharges that require “discharge to land” permits.	X			
	C. Permittees will conduct a public workshop on draft stormwater codes/ordinances during the Annual Public Meeting.				X

City of Victorville					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	A. The Permittees will establish a formal storm drain system maintenance/inspection program. Records will be kept to document the storm drain program. Septic systems will be reviewed and the sanitary systems will be evaluated to determine if failures present a significant threat to stormwater quality.	X			
	B. Permittees will evaluate the discharges surveyed in Year 1 for impacts to water quality. Permittees will also, determine the agency and non-agency discharges that require “discharge to land” permits.			X	
	C. Permittees will conduct a public workshop on draft stormwater codes/ordinances during the Annual Public Meeting.				X

The goal of the Illicit Discharge Detection and Elimination (IDDE) Program is to detect and eliminate non-stormwater discharges (except those that are exempt or conditionally exempt) from entering the Permittees’ storm drain system and to reduce pollutants from such discharges to the maximum extent practicable. The Permittees have enforced existing codes and ordinances to mitigate illicit discharges (i.e., illegal dumping, recreational sewage, industrial/business connections, non-stormwater discharges, and sanitary sewer overflows).

The Permittees have developed a storm drain map detailing “level of threat” zones. This map was designed to be used as a management tool in prioritizing high risk areas. Through the efforts of the Permittees’ employee training program and the public outreach efforts, special emphasis has been made to convey the importance of BMP implementation within the threat zone areas. Increased awareness has also been achieved through municipal housekeeping, training, and staff meetings.

The Permittees’ Code Enforcement and Public Works Departments are well versed in the enforcement of the applicable ordinances regarding illicit discharge detection and elimination. Response to incidents is generated through routine inspections, calls from residents, through the 1-800 Clean-Up hotline, and other notifications.

Year Three Goals

- The Permittees will establish a formal storm drain system maintenance/inspection program. Records will be kept to document the storm drain program. Septic systems will be reviewed and the sanitary systems will be evaluated to determine if failures present a significant threat to stormwater quality.
- Permittees will evaluate the discharges surveyed in Year 1 for impacts to water quality. Permittees will also, determine the agency and non-agency discharges that require “discharge to land” permits.
- Permittees will conduct a public workshop on draft stormwater codes/ordinances during the Annual Public Meeting.

Year Three Results

A. Permittees’ Programs

Many existing activities conducted by the member agencies have benefited compliance with this program element. The Permittees have enforced existing codes and ordinances to mitigate illicit discharges (i.e., illegal dumping, recreational sewage, industrial/business connections, non-stormwater discharges, and sanitary sewer overflows).

San Bernardino County

The County of San Bernardino has an existing stormwater ordinance, which provides adequate legal authority to enforce against non stormwater discharges, illegal dumping, illegal connections to the storm drain system, and sanitary sewer overflows. County Public Works, Environmental Management Division works in coordination with County Code Enforcement and Land Use Services, Building and Safety to enforce this ordinance. Enforcement of County requirements pertaining to septic systems is shared by PW –EMD, Environmental Health, and LUSD, Building and Safety.

The County of San Bernardino Department of Public Works, Transportation Operations Division is responsible for inspecting and maintaining storm drain systems. As a standard procedure, Public Works Department, Transportation Operation Division commonly utilizes earthen and asphalt swales to transport runoff to stormwater facilities. County field crews maintain swales by removing debris and incorporate a raised inlet or check dam to avoid erosion. Maintenance activity records are housed in a time card management system indicating staff time and type of maintenance.

The County mitigates illicit discharges through public outreach, field investigation/complaint response, incident response/tracking, enforcement, and training. The County responds, reports, and monitors all identified illegal discharges. The County continues to operate a 24-hour water pollution reporting hotline [(800) CLEANUP] and a website reporting system. Spills and releases are tracked on an electronic database and by other County agencies (i.e., fire department, police department, and emergency services).

The San Bernardino County, fire Department operates the household hazardous waste collection programs for the majority of the County. The household hazardous waste collection program provides residents of the Mojave River Watershed Group a legal and cost-free way to dispose of unwanted household chemicals that cannot be disposed of in the regular trash. A maximum of 15 gallons or 125 pounds may be transported per vehicle, per trip.

The County adopted an illegal dumping ordinance on March 13, 2007, creating new penalties, including fines of \$10,000 and incarceration for up to six months in county jail. The County also approved allowing County Code Enforcement Officers to serve as Illegal Dumping Enforcement Officers, authorized under the California Penal Code with powers to arrest illegal dumpsters. This will allow the County's Enforcement Officers more power and discretion to issue citations.

Within this reporting year, the County approved a reward program and set aside \$25,000 for those who provide information leading to arrest and conviction of illegal dumpsters. The County also partnered with "We Tip" to encourage citizens to turn in illegal dumpsters by calling 1-800-78-CRIME. "We Tip" is a national nonprofit organization, staffing tip operators that take anonymous tips from all states within the U.S., including Puerto Rico and the Virgin Islands.

In FY 2007-08, the County will be posting 150 warning signs in common dumping areas, notifying potential dumpers of the penalties for dumping and encouraging witnesses to call "We Tip." The warning signs also advise potential dumpers that their activities may be recorded by a network of 94 surveillance cameras that are placed throughout the County. The cameras will have motion detectors and night vision capability and will be able to take high-resolution still photos and video.

The County has continued to implement a training program for their employees to identify and characterize illicit discharges, to facilitate an understanding of the reporting protocol for illicit connections and discharges, and to assist public awareness about keeping pollutants out of storm drains.

Town of Apple Valley

The Town of Apple Valley continues to implement a non-stormwater discharges provision through Municipal Code Title 6, Chapter 6.40 Water Conservation Plans. The Apple Valley Ranchos Water Company (AVR) has also been an invaluable partner to the Town of Apple Valley in mitigating urban runoff pollution. As part of their service, AVR conducts an exterior water audit, which includes providing an irrigation system checks for possible “gutter-flooding”. Additionally, the AVR reviews or develops irrigation schedules to mitigate “gutter-flooding.” Another aspect of AVR’s water audit is to determine if there are any unauthorized water uses through their water waste prohibition mandate, which discourages the wasteful use of water and promotes the use of water saving devices.

The Town of Apple Valley conducts aggressive cleaning and maintenance programs on their wastewater system and facilities. Through Underground Service Alert's one call Dig Alert system, the department locates underground facilities for property owners and contractors to protect the integrity of sewer and utility lines.

The Town of Apple Valley has not adopted any stormwater codes/ordinances, however; will be evaluating policies within FY 2007-08.

City of Hesperia

The City of Hesperia’s Engineering and Planning Department reviews new commercial and residential developments to identify drainage issues and incorporate retention/detention facilities where required. These facilities are sized to retain the initial storm flows during a rain event. The basins also retain runoff from over irrigation. Many of the facilities are landscaped and serve as local park areas. The few storm drains that are operated and maintained by the City of Hesperia are visually inspected annually for maintenance needs. Every four years, the storm drains are visually inspected via a video camera scope and cleared of all debris and sludge. Procedures for responses to septic system failure and enforcement of repairs are in place. In accordance with the California Plumbing Code, any facility with a failed septic system within 200 ft. of a public sewer system must connect to the public sewer system.

The City of Hesperia has several existing ordinances in place, which provide adequate legal authority to enforce against non-stormwater discharges, illegal dumping, illegal connections to the storm drain systems and sanitary sewer overflows. The City of Hesperia continues to enforce their water discharge ordinance; it is a health and safety violation to cause water to run onto the public right-of-way or possess any pool, pond or body of water, which contains excessive or unhealthy levels of bacterial or algae growth. In addition, the City of Hesperia’s newly adopted Landscape ordinance (adopted May 2, 2007) promotes water conservation and run-off prevention through low flow irrigation. The City of Hesperia has determined that at this time, water line flushing, landscape irrigation, potable water drains, air conditioning condensate, lawn watering, and swimming pool discharge pose minimal risk to receiving water quality.

As part of the City of Hesperia's Water Awareness Program, business owners and residents that need help implementing a water conservation program or need help finding "water wasters" may contact the City's Water Conservation Specialist who is available to perform a water audit to help reduce costs and discover waste. The City's Water Conservation Specialist performs visual inspections of commercial and residential facilities and audits water usage. Excessive run-off from inspected properties results in educational follow-up meetings with property owners.

The City of Hesperia also received a \$9,322 Local Government Waste Tire Cleanup and Amnesty Event Grant as well as a \$21,333 Beverage Container Recycling and Litter Abatement Grant for this reporting year.

City of Victorville

The City of Victorville along with Baldy Mesa Water District, Victor Valley Water District, and the Mojave Water Agency formed a Water Management Ad hoc Committee in September 2004. The Ad hoc Committee meets monthly to insure consistent water use policies for the area. A water use ordinance aimed at reducing water used for landscaping and preventing urban runoff was approved by the City of Victorville in September 2005 and is actively enforced.

The City of Victorville has drafted a Citywide Sanitary Sewer Master and Sewer System Management Plans that will be finalized in FY07-08. The Plan will document all sanitary sewer manholes, pipe connections, and will have Atlas Maps available in a GIS database. Any septic system falling within two hundred (200) yards of a sanitary sewer is required to be connected.

The City of Victorville has a video monitoring inspection program for their sanitary sewer system. The City's Building Department tracks septic system failures and code enforcement tracks illicit discharges. The City of Victorville has not adopted any stormwater codes/ordinances, however; will be evaluating policies within FY 2007-08.

B. Annual Public Workshop

The Second Annual Permittee Public Workshop was held on November 2, 2006. The Public Workshop provided an overview of the stormwater Permit and management plan, year two compliance milestones, and review of the second Annual Report.

In addition, the workshop served a forum to allow public review, discussion, and input on the SWMP. The Public Workshop had approximately eighteen (18) participants, consisting of interested residents of the High Desert communities, elected officials and staff members of public agencies, building community members, and industry representatives.

C. Illicit Discharge Detection and Elimination Mitigation Activities

The Permittees have the following programs in place to proactively mitigate non-stormwater discharges from entering the Permittees' storm drain system and to reduce pollutants from such discharge to the maximum extent practicable.

- **Illegal Dumping Signage** - The Permittees have a series of "No dumping" signs posted throughout their boundaries. These signs request observers to report illegal dumping by calling a specified phone numbers. This number puts individuals in contact with a County/City/Town staff who then forwards any reports of dumping to the Permittees' respective departments and Police Departments.
- **Household Hazardous Waste and Oil Recycling Program** - The Permittees have an extensive and efficient household hazardous waste collection and oil-recycling program. The Permittees participates in the Zero Waste Communities Program administered by the County. The Zero Waste Communities Program has an active public outreach campaign, which includes television/radio commercials, press releases and advertisements to promote projects and events as they arise. The goals of the Zero Waste Communities Program include:
 - Educating consumers to buy products made of recycled, reused, and repaired materials;
 - Making manufacturers take greater responsibility for the proper disposal of their products;
 - Improving product designs for easier reuse, repair and recycling; and
 - Promoting waste prevention, recycling and composting.
- **San Bernardino County Sheriff's Community Service Program** - By collaborating with the San Bernardino County Sheriff's Department, the Permittees are able to utilize the services of individuals ordered to provide community service, such as litter abatement and clean-up of reported illicit dumping.
- **Hesperia's High School Clean-Up Day** - The object of this Clean-Up Day is to get teenagers involved in cleaning up their City and taking their place as citizens. This helps them to realize the important role they play in the future of the City and the many ways they can help by recycling and cleaning up littered areas. In October 2006, thirty-seven (37) students from Sultana High School collected over 250 bags of trash and litter, tires, mattresses, and anything else that had been dumped illegally.
- **Community Clean-up Days** - Community services organizations, businesses, schools, clubs, and individuals participated in the respective Permittee's Clean-Up Days, which were held on October 28, 2006 and April 14, 2007. On these days, residents disposed of extra trash for free at household hazardous waste collection centers.
- **Christmas Tree Recycling** - Each of the Permittees have a Christmas Tree Recycling Program, which allows their citizens to recycle their trees through the County's composting and mulching program.

- **Electronic Waste Drop Off Day** - In order to combat the illegal dumping of electronics, a free drop-off event was held on January 6, 2007; which was offered to all who reside within Victor Valley. The program proved quite successful with 68,285 pounds collected for recycling.
- **Apple Valley's Tire Amnesty Days** - To help residents with the disposal of tires, the Town of Apple Valley hosted Tire Amnesty Days on January 27, 2007, April 28, 2007, and June 23, 2007. This program allows residents to dispose of unwanted tires free of charge.
- **Apple Valley's Community Appliance Collection Day** - The annual Appliance Disposal Day was held on February 24, 2007, which offers free disposal of unwanted and discarded appliances.
- **Apple Valley's Community Mattress Collection Day** - The annual Mattress Collection Day was held on March 24, 2007. Residents were allowed to dispose of their unwanted mattresses free of charge.
- **Adopt-A-Street Program** - For the City of Hesperia, a total of 112 volunteers cleaned 20 miles of the City's right-of-way, committed 34.5 hours of time to the effort and collected 182 bags of litter. The Town of Apple Valley had 62 families, civic clubs, businesses, as well as schools participating in their program.

:: MCM 4. Construction Site Stormwater Runoff Control

San Bernardino County					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Based on the review that took place in the second year pertaining to Construction-Related Stormwater Runoff Control, necessary changes will be made to codes/policies in order to implement the construction site stormwater runoff control program. If required, a Water Quality Ordinance will be passed. BMPs will be implemented. Permittees will seek public input on draft changes to code/ordinances, during the Annual Public Meeting.				X

Town of Apple Valley					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Based on the review that took place in the second year pertaining to Construction-Related Stormwater Runoff Control, necessary changes will be made to codes/policies in order to implement the construction site stormwater runoff control program. If required, a Water Quality Ordinance will be passed. BMPs will be implemented. Permittees will seek public input on draft changes to code/ordinances, during the Annual Public Meeting.				X

City of Hesperia					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Based on the review that took place in the second year pertaining to Construction-Related Stormwater Runoff Control, necessary changes will be made to codes/policies in order to implement the construction site stormwater runoff control program. If required, a Water Quality Ordinance will be passed. BMPs will be implemented. Permittees will seek public input on draft changes to code/ordinances, during the Annual Public Meeting.				X

City of Victorville					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Based on the review that took place in the second year pertaining to Construction-Related Stormwater Runoff Control, necessary changes will be made to codes/policies in order to implement the construction site stormwater runoff control program. If required, a Water Quality Ordinance will be passed. BMPs will be implemented. Permittees will seek public input on draft changes to code/ordinances, during the Annual Public Meeting.				X

Stormwater discharges from construction activities have the potential to be significant pollutant sources. The Permittees' SWMP goals are to reduce or eliminate the discharge of pollutants into the storm drain systems from construction activities through education and enforcement.

Year Two Responsibilities

Based on the review that took place in the second year pertaining to Construction-Related Stormwater Runoff Control, necessary changes will be made to codes/policies in order to implement the construction site stormwater runoff control program. If required, a Water Quality Ordinance will be passed. BMPs will be implemented. Permittees will seek public input on draft changes to code/ordinances, during the Annual Public Meeting.

Year Three Results

For this reporting year, the Permittees did not amend or develop new ordinances involving construction site stormwater runoff control. The Permittees require that all building permit applicants demonstrate coverage under the General Permit for Discharges of Stormwater Associated with Construction Activity (Construction General Permit, 99-08-DWQ). The Permittee inspectors verify that developers have the appropriate Best Management Practices in place until project completion. In addition, the Permittee inspectors ensure good housekeeping BMPS on construction sites in an effort to control waste and prevent illicit discharge and spills.

The SWRCB has currently released the preliminary Draft NPDES Construction General Permit. The Permittee are currently reviewing the tentative Permit and will adjust MCM 4 accordingly in FY 2007-08 based on the revised provisions.

For this reporting year, the County of San Bernardino has updated their General Plan to include water quality guidelines. The water quality guidelines are to be used by the Permittees of the San Bernardino County Stormwater Program as a supplement to the Drainage Area Management Program and the Report of Waste Discharge. The purpose of preparing the guidelines was to identify pollutant prevention and treatment measures that can be incorporated into development projects. The guidelines recommend which BMPs should be required as standard practice. The guidelines provide information on stormwater quality management planning, general conditions, special conditions, and construction regulatory requirements.

The County of San Bernardino review process confirms that applicants have coverage under the General Construction Permit. County LUSD, Building and Safety and PW, EMD inspectors confirm compliance with grading/erosion control plans during inspections. Under existing County requirements, all subject projects are required to demonstrate coverage under the General Construction Permit. Projects found to be in non-compliance with County or General Construction Permit requirements are immediately classified as high priority and subject to increased inspection.

The Town of Apple Valley reviews new commercial and residential development projects to identify drainage issues and appropriate BMPs. The Town's Code Enforcement Officers meet with the contractors to review and inspect their stormwater BMPs throughout the life of the Project. In addition for this reporting year, the Town of Apple Valley has developed and implemented a new Stormwater Pollution Control Inspection Form for Construction Sites that is currently being utilized by their inspectors.

The City of Hesperia has a dedicated Storm Water Pollution Prevention Plan (SWPPP) inspection program for construction sites. For this reporting year, approximately 1,436 hours of staff time was dedicated to the program, where 483 construction inspections were made. Of the 458 inspections, 367 of them were given a Notice of Correction. Three construction sites did not adhere to the provisions listed within the Notice of Corrections and were shut-down until corrections were made.

The City of Victorville has nine (9) full-time inspectors and performs inspections on private property outside the public street right of way. 2,466 single family homes, multi-family and commercial projects were inspected in the reporting year. For both public works and building inspections; stormwater inspections and corrections were performed along with other regular inspections.

:: MCM 5. Post-Construction Stormwater Management in New Development and Redevelopment

County of San Bernardino					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Codify strategies by use of ordinances and/or regulatory mechanisms to comply with the permit. Draft changes, coordinating them through appropriate internal departments (planning, engineering, public works, etc).	X			

Town of Apple Valley					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Codify strategies by use of ordinances and/or regulatory mechanisms to comply with the permit. Draft changes, coordinating them through appropriate internal departments (planning, engineering, public works, etc).	X			

City of Hesperia					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Codify strategies by use of ordinances and/or regulatory mechanisms to comply with the permit. Draft changes, coordinating them through appropriate internal departments (planning, engineering, public works, etc).	X			

City of Victorville					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	Codify strategies by use of ordinances and/or regulatory mechanisms to comply with the permit. Draft changes, coordinating them through appropriate internal departments (planning, engineering, public works, etc).	X			

The Permittees have a system in place to address stormwater and urban runoff from new development and redevelopment projects. Post-construction BMPs, such as retention and detention basins are incorporated into new development and redevelopment projects. These devices function to not only control stormwater volume, but to also improve water quality by settling out particulates and other pollutants. Design of new development and improvement of existing structures must meet or exceed the requirements of all federal, state, county, and respective city/town codes and regulations.

Year Three Goals

Codify strategies by use of ordinances and/or regulatory mechanisms to comply with the permit. Draft changes, coordinating them through appropriate internal departments (planning, engineering, public works, etc).

Year Three Results

For this reporting year, the Permittees did not amend or develop new ordinances for post-construction stormwater management in new development and redevelopment. The Permittees have continued the implementation of current programs to control new development and use of discretionary approval to make improvements in post-construction activities. The Permittees have codes and ordinances, which promote water conservation and also prevent excessive discharges of nuisance water. These ordinances apply to both existing consumers of water, new development, and redevelopment projects.

Owners and developers are required to maintain post-construction controls such as detention/retention basins or dry wells throughout active life of the development. The Permittees have continued to respond to citizen reports regarding these control features by inspecting the site and notifying the responsible party of their obligation to maintain the feature.

:: MCM 6. Pollution Prevention/Good Housekeeping for Municipal Operations

San Bernardino County					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	In-House Training: Continue training efforts established in Year 2. Based on feedback from the water quality program, modify course material and retrain personnel as required.	X			
2	Inspection/Monitoring for Municipal O&M Activities: Implement the inspection/monitoring program for municipal O&M activities.	X			

Town of Apple Valley					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	In-House Training: Continue training efforts established in Year 2. Based on feedback from the water quality program, modify course material and retrain personnel as required.	X			
2	Inspection/Monitoring for Municipal O&M Activities: Implement the inspection/monitoring program for municipal O&M activities.	X			

City of Hesperia					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	In-House Training: Continue training efforts established in Year 2. Based on feedback from the water quality program, modify course material and retrain personnel as required.	X			
2	Inspection/Monitoring for Municipal O&M Activities: Implement the inspection/monitoring program for municipal O&M activities.	X			

City of Victorville					
MCM	Description	Status			
		Completed	In Progress	Not Initiated	Modified
1	In-House Training: Continue training efforts established in Year 2. Based on feedback from the water quality program, modify course material and retrain personnel as required.	X			
2	Inspection/Monitoring for Municipal O&M Activities: Implement the inspection/monitoring program for municipal O&M activities.			X	

The SWMP includes provisions to mitigate stormwater pollution for municipal facilities and activities. Pollution prevention and good housekeeping practices are critical to maintaining progress and achieving continued improvement in water quality. Beyond the importance of setting a good example within the community, pollution prevention and good housekeeping efforts can reduce damage to system components and lower repair as well as maintenance costs.

The Permittees have developed a pollution prevention and good housekeeping program that requires their employees examine and subsequently alter their actions to reduce the type and amount of pollution generated through routine municipal activities. Recognizing the benefits of pollution prevention practices, the Permittees have developed this program based on the following goals:

- Develop and implement an operation and maintenance program with the ultimate goal of preventing or reducing pollutant runoff from municipal operations into the storm drainage system.
- Include employee training on pollution prevention and good housekeeping practices into municipal operations.
- Implement the appropriate BMPs to mitigate stormwater and urban runoff pollution.

A. In-Housing Training

Year Three Goals

Continue training efforts established in Year 2. Based on feedback from the water quality program, modify course material and retrain personnel as required.

Year Three Results

The Permittees continue to train their staff within their respective departments, such as Public Works, Code Enforcement, and Engineering/Planning on stormwater control measures. Stormwater related issues are discussed regularly in biweekly or monthly safety meetings. During these meetings, staff is informed of any updates and suggestions for new control measures as well as updates relating to policies and implementation are further discussed.

The following is a synopsis of the individual Permittee's in-housing training that was completed for this reporting year:

San Bernardino County

The County of San Bernardino provides stormwater regulations training to new employees within thirty (30) days of employment. The type of training includes MS4, General Construction, General Industrial Permit introductions, field training, MS4 computer data entry, summaries and report preparation, and inspection reports/forms preparation. In addition to the new employee training, the County provided the following in-house workshops:

Presentation	Date	No. of Participants	Content	Target Audience
BMP Workshop	September 14, 2006	47	Inspection procedure related construction BMP's	Inspectors Coordinators
Stormwater Inspector – Industrial and Commercial Training	February 1, 2007	51	Inspection techniques for enforcement compliance	Inspectors
WQMP, Industrial, Commercial, and Construction Training	June 6, 2007	3	On line training completing modules and tests	Inspectors

Town of Apple Valley

Eighteen (18) employees attended The Town's "Construction Site Stormwater Runoff Control Workshop for Building & Safety Inspectors, Permit Technicians, Public Works Inspectors, and Engineering Staff," which was held on December 20, 2006. The workshop focused on the goals, requirements, and inspection protocol associated with the General Permit for Discharges of Stormwater Associated with Construction Activity

City of Hesperia

- Ten (10) employees attended U.S. EPA's Construction SWPPPS Training from A to Z Webcast, which was held on January 10, 2007.
- Two (2) employees attended U.S. EPA's Municipal Stormwater Compliance Webcast, which was held March 7, 2007.

City of Victorville

- An estimated 60 staff were trained in the 06/07 reporting year. Two videos were utilized focusing on Stormwater Pollution Prevention and Municipal Stormwater Pollution Prevention. Both videos were presented to Victorville staff during department safety meetings, and included BMPs addressing good housekeeping practices.
- Stormwater related issues are discussed regularly in biweekly safety meetings.

B. Inspection/Monitoring Program for Municipal O&M Activities

Year Three Goals

Implement the inspection/monitoring program for municipal O&M activities.

Year Three Results

- The County of San Bernardino's municipal O&M yards maintain facility specific SWPPPs and are inspected on an annual basis. The County has developed an in-house municipal operation inspection form that includes recommendations for areas of improvement, corrective action completed dates, and comments/referrals.
- The City of Hesperia does not operate any treatment facilities, parks and recreation, or fleet maintenance facilities. Along with the private development sites, City construction sites requiring SWPPPs are inspected by the SWPPP inspector and Notice of Corrections are issued as applicable.
- The Town of Apple Valley has created an in-house municipal operation inspection form and has been utilizing it on a regular basis for their parks and recreations facilities as well as their Equipment and Storage Yard.

The municipal training program will continue to be evaluated and revised. The Permittees will continue to evaluate the effectiveness of existing BMPs within their respective municipal programs. Improvements and frequency of municipal training will increase in the next reporting year. Training materials to supplement live training are planned to be posted on the Mojave River Watershed Group website.

:: Certification

“I certify under the penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system design to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.”

Town of Apple Valley

Signature of Permittee (Legally responsible representative)

Brad Miller, PE

Name (Please print)

Date Signed

Town Engineer

Title

City of Hesperia

Signature of Permittee (Legally responsible representative)

John Leveillee, PE

Name (Please print)

Date Signed

City Engineer

Title

City of Victorville

Signature of Permittee (Legally responsible representative)

Sean McGlade, PE

Name (Please print)

Date Signed

City Engineer

Title

County of San Bernardino

Signature of Permittee (Legally responsible representative)

Vana R. Olson, PE

Name (Please print)

Date Signed

Director of Public Works

Title

Home Owner Education and Outreach Material

- A. HHW Tearsheets
- B. Paint Tip Cards
- C. Pesticide Tip Cards
- D. Fertilizer Tip Cards
- E. Paint Shelftalkers
- F. Pesticide Shelftalkers
- G. Fertilizer Shelftalkers
- H. “Too Toxic to Trash” Poster
- I. Best Management Practices for Urban Horse Owners
- J. Best Management Practices for Pet Owners
- K. Tips for Pool Maintenance

Please see examples on the following pages.

A. HHW Tearsheets

Too Toxic to Trash

Take Your Household Hazardous Waste to a Collection Center Near You.

Examples of items collected:

pesticides - fertilizers - paints - cleaners - bleach - drain cleaner - furniture polish - deodorizers - aerosol - weed killers - antifreeze - pool chlorine - batteries - motor oil

• No Business Waste Accepted

HOUSEHOLD HAZARDOUS WASTE COLLECTION CENTER LOCATIONS:

APPLE VALLEY

22411 Highway 18

Hours: 1st & 3rd Saturday of each month, 10 a.m. to 2 p.m.

BARSTOW - City of Barstow Corporation Yard

900 South Avenue 'H'

Hours: Saturdays, 9 a.m. to 2 p.m.

HESPERIA - Hesperia Fire Station

17443 Lemon Street

Hours: Tuesdays & Thursdays, 9 a.m. to 1 p.m. and Saturdays, 9 a.m. to 3 p.m.

VICTORVILLE - Victorville Fire Department

East of Desert Knoll Drive on Loves Lane

Hours: Wednesdays & Sundays, 9 a.m. to 4 p.m.

For additional information call (800) CLEAN UP or visit www.cleanup.org

Muy Tóxico Para Tirar a La Basura

Deshágase de Desperdicios Tóxicos del Hogar de la Manera Correcta.

Ejemplos de artículos que son colectados: pesticidas - fertilizantes - pinturas - limpiadores - cloro - productos de limpieza para drenajes - productos de aerosol enlatados - pulidores para muebles - desodorantes - productos para eliminar hierbas - anticoncepcionales - baterías de mercurio - aceite para motor

• No se aceptarán desperdicios tóxicos de negocios

CENTROS de RECOLECCIÓN de DESPERDICIOS TÓXICOS del HOGAR:

APPLE VALLEY

22411 Highway 18

Horario: 1º y 3º sábado del mes, de 10 a.m. a 2 p.m.

BARSTOW - City of Barstow Corporation Yard

900 South Avenue 'H'

Horario: sábados, de 9 a.m. a 2 p.m.

HESPERIA - Hesperia Fire Station

17443 Lemon Street

Horario: martes y jueves, de 9 a.m. a 1 p.m. y sábados, de 9 a.m. a 3 p.m.

VICTORVILLE - Victorville Fire Department

al este de Desert Knoll Drive sobre Loves Lane

Horario: miércoles y domingo, de 9 a.m. a 4 p.m.

Para mas información llame al (800) CLEAN UP o visite www.cleanup.org

B. Paint Tip Cards

Consejos de Prevención Para la Contaminación de Pintura.

Lavar las brochas de pintura o arrojar agua sucia en el desagüe acaba por llegar a los drenajes del Condado de San Bernardino y terminando en el Río de Mojave. Esto contamina el agua que tomamos, haciéndola peligrosa para la gente y la vida salvaje. Sigue estas prácticas para prevenir la contaminación y proteger la salud pública:

- Usa pinturas acrílicas.
- Nunca desechos de pintura en el drenaje.
- Recicla los sobrantes de pintura.

Para más información llama al 1 (800) CLEANUP

Paint Tips to Prevent Pollution

Washing a paint brush or dumping rinse water in the gutter allows toxic chemicals to flow into the San Bernardino County storm drain system, and they do not get treated before reaching the Mojave River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these simple tips to prevent pollution and protect your health:

- Use water-based paints whenever possible. They are less toxic than oil-based paints and easier to clean up. Look for products labeled "latex" or "cleans with water."
- Don't clean brushes or rinse paint containers in the street, gutter or near a storm drain. Clean water-based paints in the sink and oil-based paints with thinner.
- Recycle leftover paint at a household hazardous waste collection facility. Call (800) 253-2687.

To report illegal dumping or for more information on stormwater pollution prevention, call

1 (800) CLEANUP
www.cleanup.org

C. Pesticide Tip Cards

Consejos de Prevención Para la Contaminación de Pesticidas.

El desagüe del jardín puede llevar pesticidas que acaben por llegar a los drenajes del Condado de San Bernardino y terminando en el Río de Mojave. Esto contamina el agua que tomamos, haciéndola peligrosa para la gente. Estas prácticas para prevenir la contaminación protegen la salud pública.

- Leer las instrucciones cuidadosamente.
- Aplicar en grandes áreas.
- No aplicar antes de la lluvia.
- Tratar el jardín con productos no tóxicos.
- Descontaminar el equipo.

Para más información, llame al 1 (800) CLEANUP.

Pesticide Tips to Prevent Pollution

Water that runs off your lawn and garden can carry pesticide into the San Bernardino County storm drain system, and it does not get treated before reaching the Mojave River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these simple tips to prevent pollution and protect your health:

- Read the product label and follow the directions carefully, using only as directed.
- Spot apply rather than blanketing an entire area.
- Don't apply pesticide before a rain.
- Use non-toxic products for your garden and lawn whenever possible.
- Take unwanted lawn or garden chemicals to a household hazardous waste collection facility. Call (800) 253-2687.

To report illegal dumping or for more information on stormwater pollution prevention, call:

1 (800) CLEANUP
www.cleanup.org

D. Fertilizer Tip Cards

Consejos de Prevención Para la Contaminación de Fertilizantes.

El desagüe del jardín puede llevar pesticidas que acaben por llegar a los drenajes y terminando en el Río de Mojave. Esto contamina el agua que tomamos, haciéndola peligrosa para la gente y la vida salvaje. Sigue estas prácticas para prevenir y proteger la salud pública:

- Leer las etiquetas e instrucciones como se indican.
- Evitar aplicar cerca de alcantarillas.
- Nunca aplicar antes de la lluvia.
- Guardar los fertilizantes en un lugar seguro.
- Desechar los fertilizantes en un lugar seguro.
- Tratar de usar fertilizantes orgánicos.

Para más información de consejos de prevención, llame al:

1 (800) CLEANUP

Fertilizer Tips to Prevent Pollution

Water that runs off your lawn and garden can carry excess fertilizer into the storm drain system, and it does not get treated before reaching the Mojave River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these simple tips to prevent pollution and protect your health:

- Read the product label and follow the directions carefully, using only as directed.
- Avoid applying near driveways or gutters.
- Never apply fertilizer before a rain.
- Store fertilizers and chemicals in a covered area and in sealed, waterproof containers.
- Take unwanted lawn or garden chemicals to a household hazardous waste collection facility. Call (800) 253-6687.
- Use non-toxic products for your garden and lawn whenever possible.

To report illegal dumping or for more information on stormwater pollution prevention, call:

1 (800) CLEANUP
www.cleanup.org




E. Paint Shelftalkers

Paint Tips to Prevent Pollution

Washing a paint brush or dumping rinse water in the gutter allows toxic chemicals to flow into the San Bernardino County storm drain system, and they do not get treated before reaching the Mojave River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these simple tips to prevent pollution and protect your health.

- Use water-based paints whenever possible. They are less toxic than oil-based paints and easier to clean up. Look for products labeled "latex" or "clean with water."
- Don't clean brushes or rinse paint containers in the street, gutter or near a storm drain. Clean water-based paints in the sink and oil-based paints with thinner, which can be reused by putting it in a jar to settle out the paint particles and then pouring off the clear liquid for future use.
- Paint is too toxic to trash. Recycle it at a household hazardous waste collection facility. Call (800) 253-2587 for the location of your city's facility. You can also save leftover paint for touch-ups or give it to someone who can use it, like a theatre group, school, city or community organization.




To report illegal dumping or for more information on stormwater pollution prevention, call

1 (800) CLEANUP
www.cleanup.org

Consejos de Prevención Para la Contaminación de Pintura.

Lavar las brochas de pintura o arrojar agua sucia en el desagüe acaba por llegar a los drenajes del Condado de San Bernardino y terminando en el Río de Mojave. Esto contamina el agua que tomamos, haciéndola peligrosa para la gente y la vida salvaje. Sigue estas prácticas para prevenir la contaminación y proteger la salud pública.

- Usa pinturas de agua cuando sea posible. Son menos tóxicas que las pinturas de aceite y más fáciles para limpiar. Busca los productos "latex" or "clean with water".
- Nunca laves las brochas ni los contenedores de pintura en la calle, culebreras o desagües. Lave de pintura de agua limpiados en el fregadero y las de pintura de aceite con thinner y vuélvelas a guardar en un frasco, para un uso futuro.
- La pintura es muy tóxica para tirarla a la basura. Recicle la pintura que sobra en un lugar de colección de materiales peligrosos. Llama al (800) 253-2587 para información de un centro cerca a ti.




Para reportar actividades ilegales o obtener más información de la prevención de contaminación llamar al

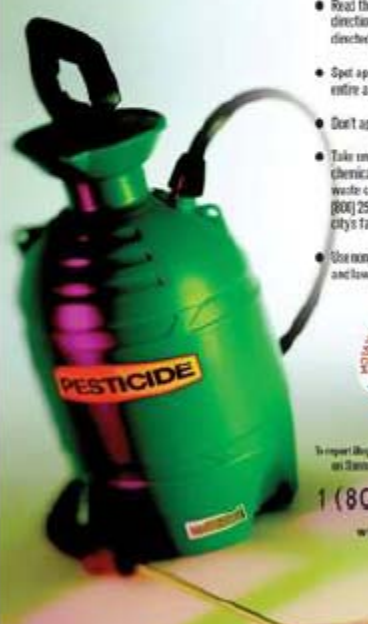
1 (800) CLEANUP
www.cleanup.org

F. Pesticide Shelftalkers

Pesticide Tips to Prevent Pollution

Water that runs off your lawn and garden can carry pesticide into the San Bernardino County storm drain system, and it does not get treated before reaching the Mojave River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these simple tips to prevent pollution and protect your health.

- Read the product label and follow the directions carefully, using only as directed.
- Spot apply rather than blanketing an entire area.
- Don't apply pesticide before a rain.
- Take insecticides or garden chemicals to a household hazardous waste collection facility. Call (800) 253-2687 for the location of your city's facility.
- Use non-toxic products for your garden and lawn whenever possible.




To report illegal dumping or for more information on stormwater pollution prevention, call

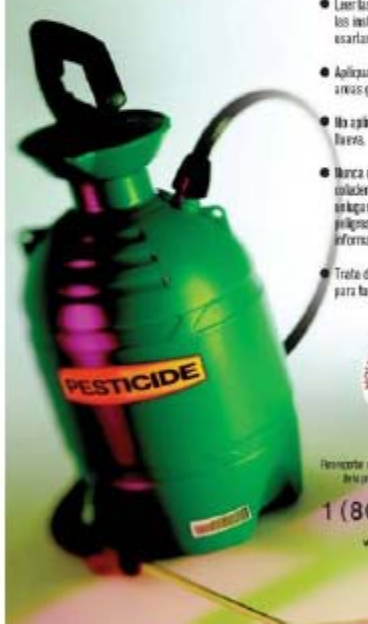
1 (800) CLEANUP

www.cleanup.org

Consejos de Prevención Para la Contaminación de Pesticidas.

El desagüe del jardín puede llevar pesticidas que acaben por llegar a los drenajes del Condado de San Bernardino y terminando en el Río de Mojave. Esto contamina el agua que tomamos, haciéndola peligrosa para la gente y la vida salvaje. Sigue estas prácticas para prevenir la contaminación y proteger la salud pública.

- Leer las etiquetas del producto y seguir las instrucciones cuidadosamente, usarlas tal como se indica.
- Aplica solo parte por parte, no en áreas grandes.
- No aplicar los pesticidas antes de que llueva.
- Nunca deseches los pesticidas en las coladeras o desagües. Desechalos en un lugar de recolección de desechos peligrosos. Llame al (800) 253-2687 para información de un centro cerca a ti.
- Trata de usar productos no-tóxicos para tu jardín cada vez que sea posible.




Para reportar actividades ilegales o obtener información de la prevención de contaminación llamar al:

1 (800) CLEANUP

www.cleanup.org

G. Fertilizers Shelftalkers

Fertilizer Tips to Prevent Pollution

Water that runs off your lawn and garden can carry fertilizer into the San Bernardino County storm drain system, and it does not get treated before reaching the Mojave River. This pollutes our drinking water and contaminates waterways, making them unsafe for people and wildlife. Follow these simple tips to prevent pollution and protect your health.

- Read the product label and follow the directions carefully, using only as directed.
- Avoid applying near driveways or gutters.
- Never apply fertilizer before a rain.
- Store fertilizers and chemicals in a covered area and in sealed, waterproof containers.
- Take unwanted lawn or garden chemicals to a household hazardous waste collection facility. Call (800) 253-2667 for the location of your city's facility.
- Use non-toxic products for your garden and lawn whenever possible.

To report illegal dumping or for more information on stormwater pollution prevention, call:

1 (800) CLEANUP
www.cleanup.org




Consejos de Prevención Para la Contaminación de Fertilizantes.

El desagüe del jardín puede llevar fertilizantes que acaben por llegar a los drenajes del Condado de San Bernardino y terminando en el Río de Mojave. Esto contamina el agua que tomamos, haciéndola peligrosa para la gente y la vida salvaje. Sigue estas prácticas para prevenir la contaminación y proteger la salud pública.

- Leer las etiquetas del producto y seguir las instrucciones cuidadosamente, usando tal como se indica.
- Evite aplicarlos cerca de los cocheros o las alcantarillas.
- Nunca aplicar el fertilizante antes de llover.
- Guarde los fertilizantes y otros químicos en un lugar cubierto y en contenedores contra agua.
- Nunca deseches los fertilizantes en las cisternas o desagües. Deséchelos en un lugar de colección de desechos peligrosos. Llame al (800) 253-2667 para información de un centro cerca a ti.
- Trata de usar productos no-tóxicos para tu jardín cada vez que sea posible.

Para reportar actividades ilegales o obtener más información de la prevención de contaminación llame al:

1 (800) CLEANUP
www.cleanup.org




H. “Too Toxic To Trash” Poster



I. Best Management Practices for Urban Horse Owners

TO CONNECT TO THE STORM DRAIN:

It is illegal to connect to the storm drain without a permit. To obtain a storm drain connection permit, contact the Town of Apple Valley Engineering Department at (760) 240-7000 ext. 7353.

RECYCLING AND HAZARDOUS WASTE INFORMATION:

San Bernardino County Fire Department
Hazardous Materials Division
Phone: (909) 386-8401

For more information on storage/disposal of hazardous waste call:

Department of Toxic Substances Control (DTSC)
Duty Officer: (818) 551-2830 or log on to
www.dtsc.ca.gov.

TO REPORT ILLEGAL DUMPING OR SPILLS:

San Bernardino County Stormwater Program
24-hour non-emergency Water Pollution Hotline
1 (800) CLEANUP

TO REPORT A CLOGGED STORM DRAIN INLET OR CATCH BASIN:

Public Works Department
7:30am to 5:30pm Monday - Friday
(760) 240-7000 ext. 7500
After hours call (760) 961-6001

HOUSEHOLD HAZARDOUS MATERIALS:

The Town of Apple Valley collects hazardous materials generated in the normal course of household operations - no business waste, no medical waste, or reactive waste will be accepted. The Collection Center is located at the Public Works Yard, at 22411 Highway 18, and is open the 1st and 3rd Saturdays of each month, excluding holiday weekends.

This brochure is one of a series of brochures describing storm drain protection measures.

Other brochures include:

FOOD SERVICE INDUSTRY
USED OIL AND HOUSEHOLD HAZARDOUS WASTE MANAGEMENT
LANDSCAPING, GARDENING & PEST CONTROL

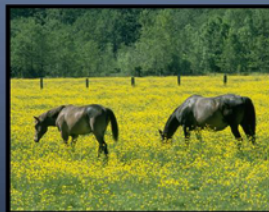
TOWN
OF
APPLE VALLEY



www.888CleanLA.com

For more information about storm drain protection or additional brochures, call the Town of Apple Valley at (760) 240-7000 or go to the web at www.applevalley.org.

Stormwater Pollution Prevention



Best Management Practices (BMPs)
for
Urban Horse Owners
Equestrian Centers
Boarding Stables

PROBLEMS

Storm Water Pollution - It's Up To Us

Animal waste contributes to stormwater pollution when it is improperly stored or left uncovered near small streams and storm drains. Animal waste contains nutrients-phosphorus and nitrogen- as well as bacteria. The nutrients fertilize the aquatic plants causing their proliferation and subsequent die-off, which depletes the oxygen in the water, killing aquatic life. The high bacteria levels in the water can cause gastro-intestinal disorders and other medical problems.

Sediment in runoff from pastures and livestock facilities harms aquatic life by clogging the gills of fish, blocking light transmission and increasing water temperatures.



SOLUTIONS

Facilities Design

- Site barns, corrals, and other high-use areas on the portion of property that drains away from the nearest creek or stream.
- Install gutters that will divert runoff away from livestock areas.
- Design diversion terraces which drain into areas with sufficient vegetation to filter the flow.
- Protect manure storage facilities from rainfall and surface runoff.

Pasture Management

- Confine animals in properly fenced areas except for exercise and grazing time.
- Corrals, stables, and barns should be located on higher ground when possible and surrounded by pasture to act as a natural filtration system.
- Utilize fencing to keep horses away from environmentally sensitive areas and protect stream banks from contamination.
- Use manure and soiled bedding sparingly to fertilize pastures and croplands.



Grazing Management

- Establish healthy and vigorous pastures.
- Subdivide grazing areas into three or more equal units of equal size.
- Rotate animals to clean pasture when grass is grazed down to 3-4 inches. Let pasture regrow 8-10 inches before allowing regrowth.
- Keep animals away from wet fields when possible.
- During heavy rainfall, consider indoor feeding, a practice which keeps more manure under roof and away from runoff.

Waste Collection and Storage

Collect soiled bedding and manure on a regular basis from stalls and paddocks and place in temporary or long-term storage units. Store in sturdy, insect resistant and seepage free units such as:

- Plastic garbage cans with lids
- Fly-tight wooden or concrete storage sheds
- Composters
- Pits or trenches lined with an impermeable layer



Use and Disposal

- Compost soiled bedding and manure for your own use.
- Give away composted material to local greenhouses, nurseries and botanical parks.
- Leave manure waste in approved containers for pick-up and composting.
- Fertilize pastures, cropland, and lawns with compost. Do NOT apply compost just before or during rainstorms.

Pesticide Alternatives

The "chemicals only" approach to pest control is only a temporary fix. *Integrated Pest Management* is a more common sense approach for a long-term solution. Plan your "IPM" strategy in this order:

A) Physical Controls

- Pheromone Traps
- Tarps
- Bug Zappers
- Fly-Tight Storage Sheds

B) Biological Controls - Nature's Way

Encourage the use of swallows, bats and other insect eating animals on your property. For more information call the Environmental Health Hotline at 1-888-700-9995.

C) Chemical Controls - Your Last Resort

Use these least-toxic products:

- Pyrethrin-based insecticides
- Dehydrating dusts (e.g. silica gel)
- Insecticidal soaps
- Horticultural oils



Pesticide Disposal

Rinse empty pesticide containers and treat the rinse water as you would the product. Empty containers may be recycled depending on their type or may be thrown in the trash.

Unused household hazardous waste may be disposed of at Los Angeles County Roundups. Contact the Town of Apple Valley Engineering Department at (760) 240-7000 ext. 7353.

J. Best Management Practices for Pet Owners

TO CONNECT TO THE STORM DRAIN:

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This brochure is one of a series of brochures describing storm drain protection measures.

Other brochures include:

FOOD SERVICE INDUSTRY
USED OIL AND HOUSEHOLD
HAZARDOUS WASTE MANAGEMENT
LANDSCAPING, GARDENING & PEST
CONTROL

TOWN
OF
APPLE VALLEY



For more information about storm drain protection or additional brochures, call the Town of Apple Valley at (760) 240-7000 or go to the web at www.applevalley.org.

Storm Water Pollution Prevention



Best Management Practices (BMPs) For

Pet Waste Handling and Disposal

PROBLEMS

Storm Water Pollution - It's Up To Us

Pet waste contributes to stormwater pollution when it is not properly disposed of. During a rainfall, it can be washed into storm drains and flow, untreated, directly into the Mojave River. Pet waste contains nutrients such as phosphorus and nitrogen as well as bacteria. The nutrients fertilize the aquatic plants causing their proliferation and subsequent die-off, which depletes the oxygen in the water, killing aquatic life. The high bacteria levels in the water can cause gastrointestinal disorders and other medical problems for swimmers.



SOLUTIONS

The following controls referred to as "Best Management Practices" or BMPs will help ensure a cleaner Town and Mojave River.



Pick up after your pet

- When walking your dog, always carry a pooper scooper or plastic bag with you to pick up your pet's waste. It is a neighborhood nuisance that can wash into gutters and storm drains carrying dangerous diseases into our rivers.
- Properly dispose of pet waste by flushing it down the toilet or placing it in the trash.
- Picking up after your pet while out on a walk insures that waste will not wash into catch basins.
- Plastic grocery and vegetable bags work well. Place your hand in the bag, pick up the waste, then turn the bag inside out. Commercial "scoopers" can also be purchased to make proper disposal of pet waste even easier. Check pet stores and catalogs. Dogs can be trained to "take care of business" at the beginning of a walk so you can dispose of the waste right away.
- Remember, it is illegal to not pick up your dog's waste.



Maintain your automobile and dispose of used fluids properly

Pets can be poisoned if they ingest gas, oil or antifreeze that drips onto the pavement or is stored in open containers. Call the Household Hazardous Waste Hotline for information on proper disposal.

Cleaning up after pets at home

Pet owners have many different ways of cleaning up after their pets at home. Here are a few that are environmentally friendly:

- Smaller quantities of pet waste can be left to decompose slowly on permeable surfaces.
- Larger amounts should be scooped and placed in the trash. One method suggested for this is to place a plastic bag in a 5-gallon trash can with a lid. When you pick up dog droppings in your yard, put them in that trash can, then cover them with a sprinkling of powdered lime (available at building supply stores) and close the lid. Each time you clean up the yard and add droppings to the container, add more lime. When the container is full, tie the bag closed and put it in your regular trash container.
- A more innovative method, which not only disposes of pet waste but also creates fertilizer, is to install a disposal system, commercially available through pet owners' and gardening catalogs. These systems use bacterial and enzymatic cultures which reduce the waste to a liquid, which is then absorbed into the soil.



Washing pets

Wash pets indoors in a bathtub or sink using less toxic shampoos, or consider having your pet professionally groomed. Pet shampoos and soaps, even when biodegradable, can be toxic to humans.

Consider using less toxic alternatives such as oral or topical flea control products. If you do use flea control products such as shampoos, sprays or collars, please dispose of unwanted quantities properly. Call the Household Hazardous Waste Hotline for more information.

K. Tips for Pool Maintenance

Tips for Pool Maintenance



Swimming pools and spas must be maintained properly to guarantee that chemicals aren't allowed to enter the street. Unlike water in sanitary sewers (from sinks and toilets), water in storm drains is not treated before entering our waterways.

Many pools and spas are plumbed to allow the water to drain directly to the sanitary sewer. If yours is not, follow these instructions for disposing of pool and spa water.

Acceptable and Preferred Method of Disposal

When you cannot dispose of pool or spa water in the sanitary sewer, the release of dechlorinated swimming pool and spa water is allowed if all of these tips are followed:

- The residential chlorine does not exceed 0.1 mg/l (parts per million).
- The pH is between 6.5 and 8.5.
- The water is free of any unusual coloration, dirt or algae.
- There is no discharge of filter media.
- There is no discharge of acid cleaning wastes.

How to Know if You're Following the Standards

You can find out how much chlorine is in your water by using a pool testing kit. Excess chlorine can be removed by discontinuing the use of chlorine for a few days prior to discharge or by purchasing dechlorinating chemicals from a local pool supply company or hardware store. Always make sure to follow the instructions that come with any products you use.

CITY OF HESPERIA

FY 06-07 PUBLIC EDUCATION AND OUTREACH DISTRIBUTION LIST

Brochures placed at Water Billing Counter: No.:

RECYCLING	
Reduce Junk Mail	145
Adopt-A-Street	114
Recycling & What you should know	55
Business Recycling	7
Large Item P/U flyer	35
Large Item P/U magnets	450
HHW flyer	101
HHW business card	100
Reuse/Recycling Guide Promo cards(Spanish)	30
Reuse/Recycling Guide Promo cards	110
Grasscycling fan	12
Oily Cat info	54
Oily Cat Brochure	80
Universal Waste(English & Spanish)	158
How to start a beverage container program	25
Stickers	186
Source Reduction	25
Landfill brochure	33
WATER CONSERVATION	
Water Questions & Answers	
Maintaining your landscape	174
Water Conservation Facts & Tips	122
Groundwater Basics	160
After the Storm	43
Clean Water bookmark	250
Your Septic System	255
Pointless Personal Pollution	50
Stormwater Solution	26
Stormwater Education Program	27
Recommended HD Plants (AWAC)	8
Water conservation door hangers	
AWAC Plant of the Month	270
Magnets at Building/Safety	300
Magnets at Human Resources	
HHW cards @ HR	30

Total: 3,435

PRESENTATIONS	
Kiwanis (Adopt-a-Street,Cans4Cash,Recycling)	
(Water/Recycling)Student count	
Adopt-a-Street (Safety Orientation)	
Groundwater/Stormwater	
Water Cycle/Water Conservation/Recycle	140
Paul Cash Magic Show (Student Count)	
Total:	140

OTHER	
Chamber Newsletter insert	1,250
Topaz ES Paper Drive Flyers	
Adopt-a-Street Advertising	8
Environmental Program school binders	
Topaz ES Paper Recycling Program	
Water Bill Insert	25,000
Off-Highway Vehicle brochure	26,209
Clean-up Advertising	10
Clean-up Flyers	700
Victor Valley Garden Party	
Recycling Calendars	3,000
Home & Garden Show Expo	
Expo Coloring Contest	68
Recycling Poster Contest Flyers	200
Recycling Poster Contest Advertising	
Hesperia Days (water/recycling) many items	
City of Hesperia City Magnets	20
Total:	63,259

Public Education and Outreach Efforts

Table 1.0 COMPILATION OF OUTREACH EFFORTS

City	Home Improvement Stores	Hardware Stores	Paint Stores	Garden Centers/ Nurseries	Pet Facilities	Elementary Schools
Apple Valley	4	4	0	7	19	7
Hesperia	0	7	6	3	20	6
Victorville	6	4	4	6	12	2
Total	10	15	10	16	51	15

Table 1.0 COMPILATION OF OUTREACH EFFORTS

Store Name/Location	City/Area	Date Materials Placed	Number of Paint Tips Cards	Number of Pesticide Tip Cards	Number of Fertilizer Tip Cards	Number of Tearsheet s	Number of Paint Shelftalker s	Number of Pesticide Shelftalkers	Number of Fertilizer Shelftalkers	Number of Tearsheets on Shelftalkers	Number of Posters
Home Depot 12218 Apple Valley Rd.	Apple Valley	3/30/2007	50	1	1	100	1	1	1	150	0
Home Depot 12218 Apple Valley Rd.	Apple Valley	6/7/2007	50	50	50	50	1	0	1	100	0
Lowe's 12180 Apple Valley Rd.	Apple Valley	3/30/2007	50	50	50	100	1	1	1	150	0
Lowe's 12180 Apple Valley Rd.	Apple Valley	6/7/2007	50	50	50	50	1	1	1	150	1
Home Depot 15150 Bear Valley Rd.	Victorville	3/5/2007	50	50	50	50	1	1	1	150	1
Home Depot 15150 Bear Valley Rd.	Victorville	6/12/2007	50	50	50	50	1	0	1	100	0

Table 2.0 HOME IMPROVEMENT OUTREACH EFFORTS

Store of Name/Location	City/Area	Date Materials Placed	Number of Paint Tips Cards	Number of Pesticide Tip Cards	Number of Fertilizer Tip Cards	Number of Tearsheets	Number of Paint Shelftalkers	Number of Pesticide Shelftalkers	Number of Fertilizer Shelftalkers	Number of Tearsheets on Shelftalkers	Number of Posters
Home Depot 15655 Roy Roger's Dr.	Victorville	3/5/2007	50	50	50	50	1	1	1	150	1
Home Depot 15655 Roy Roger's Dr.	Victorville	6/13/2007	50	50	50	50	1	0	1	150	1
Lowe's 14333 Bear Valley Rd.	Victorville	3/5/2007	50	50	50	100	1	1	1	150	1
Lowe's 14333 Bear Valley Rd.	Victorville	6/13/2007	50	50	50	50	1	0	1	100	0
Total			500	450	450	650	10	7	10	1350	5

Table 3.0 HOME IMPROVEMENT STORE PRESENTATIONS

Name of Store/Location	City/Area	Date of Presentation	Number of Staff Trained
Lowe's 12180 Apple Valley Rd.	Apple Valley	4/10/2007	16
Home Depot 15150 Bear Valley Rd.	Victorville	3/14/2007	15
Home Depot 15655 Roy Roger's Dr.	Victorville	3/21/2007	10
Lowe's 14333 Bear Valley Rd.	Victorville	3/19/2007	15
Total			56

Table 4.0 HOME IMPROVEMENT STORE TABLINGS

Store of Name/Location	City/Area	Date of Tabling	Number of Residents Educated	Number of Tearsheets	Number of Paint Tip Cards	Number of Pesticide Tip Cards	Number of Fertilizer Tip Cards	Number of Pens
Home Depot 15150 Bear Valley Rd.	Victorville	5/5/2007	156	156	0	0	0	57
Home Depot 15655 Roy Roger's Dr.	Victorville	3/24/2007	116	116	2	2	2	0
Lowe's 14333 Bear Valley Rd.	Victorville	4/7/2007	53	53	0	0	0	0
Total			325	325	2	2	2	57

Table 5.0 HARDWARE STORE OUTREACH

Store of Name/Location	City/Area	Date Materials Placed	Number of Paint Tips Cards	Number of Pesticide Tip Cards	Number of Fertilizer Tip Cards	Number of Tearsheets	Number of Paint Shelftalkers	Number of Pesticide Shelftalkers	Number of Fertilizer Shelftalkers	Number of Tearsheets on Shelftalkers	Number of Posters
Anderson's True Value Hardware 21041 Bear Valley Rd.	Apple Valley	3/27/2007	50	50	50	50	1	1	1	150	1
Anderson's True Value Hardware 21041 Bear Valley Rd.	Apple Valley	6/6/2007	50	50	50	50	1	0	1	150	1
Barr Lumber Company 22092 Highway 18	Apple Valley	4/12/2007	50	50	50	100	1	1	1	150	1
Butcher's Block Building Supply 31775 Highway 18	Apple Valley	3/27/2007	50	50	50	50	1	0	1	100	0
Total			500	450	450	650	10	7	10	1350	5

Table 5.0 HARDWARE STORE OUTREACH (continued)

Store of Name/Location	City/Area	Date Materials Placed	Number of Paint Tips Cards	Number of Pesticide Tip Cards	Number of Fertilizer Tip Cards	Number of Tearsheets	Number of Paint Shelftalkers	Number of Pesticide Shelftalkers	Number of Fertilizer Shelftalkers	Number of Tearsheets on Shelftalkers	Number of Posters
Anderson's True Value Hardware 17376 Main St.	Hesperia	3/19/2007	50	50	50	50	1	1	1	150	1
Anderson's True Value Hardware 17376 Main St.	Hesperia	6/19/2007	50	50	50	50	1	1	1	150	1
Harbor Freight Tools 11940 Hesperia Rd.	Hesperia	3/27/2007	0	0	0	50	0	0	0	0	0
Harbor Freight Tools 11940 Hesperia Rd.	Hesperia	6/20/2007	50	50	50	50	0	0	0	0	0
Stone's Hardware 16133 Main St.	Hesperia	3/27/2007	0	0	0	100	1	1	0	100	1
Williams Tool Repair 10182 "I" Ave. #V	Hesperia	3/27/2007	50	0	0	100	0	0	0	0	1
Williams Tool Repair 10182 "I" Ave. #V	Hesperia	3/27/2007	50	0	0	50	0	0	0	0	1
A & L Builders Supply 16300 D St.	Victorville	3/5/2007	50	0	0	50	0	0	0	0	1
H & E Ace Hardware 15121 Palmdale Blvd.	Victorville	3/5/2007	50	0	0	50	1	1	1	150	1
H & E Palmdale Blvd. 15121 Palmdale Blvd.	Victorville	6/12/2007	50	50	540	50	1	1	1	150	1
Je Tools 14950 Bear Valley Rd.	Victorville	4/12/2007	0	0	0	50	0	0	0	0	0
Total			600	400	400	900	8	8	7	1150	11

Table 6.0 PAINT STORE OUTREACH

Store of Name/Location	City/Area	Date Materials Placed	Number of Paint Tips Cards	Number of Tearsheet s on Counter	Number of Paint Shelftalkers	Number of Tearsheets on Shelftalkers	Number of Posters
Paint World 11098 I Ave.	Hesperia	3/30/2007	50	50	0	0	1
Paint World 11098 I Ave.	Hesperia	6/19/2007	0	50	0	0	1
Sherwin-Williams Paint 11932 Hesperia Rd.	Hesperia	3/27/2007	50	50	1	50	1
Sherwin-Williams Paint 11932 Hesperia Rd.	Hesperia	6/20/2007	50	50	0	0	1
Spray Doctor 11768 Mariposa Rd.	Hesperia	4/12/2007	50	50	1	50	1
Spray Doctor 11768 Mariposa Rd.	Hesperia	6/20/2007	50	50	0	0	0
D'Angelos Automotive & Industrial Coatings 15329 Tamarak #100	Victorville	6/12/2007	50	0	0	0	1
Drew Carriage Automotive Paint Supply 16648 Tracy St.	Victorville	3/14/2007	50	50	0	0	1
Dunn Edwards Paints 12475 Mariposa Rd.	Victorville	3/5/2007	50	50	0	0	1
Dunn Edwards Paints 12475 Mariposa Rd.	Victorville	6/13/2007	50	50	0	0	0
		Total	450	450	2	100	8

Table 7.0 GARDEN CENTER/NURSERY OUTREACH

Store of Name/Location	City/Area	Date Materials Placed	Number of Pesticide Tip Cards	Number of Fertilizer Tip Cards	Number of Tearsheets	Number of Pesticide Shelftalkers	Number of Fertilizer Shelftalkers	Number of Tearsheets on Shelftalkers	Number of Posters
K-Mart 20777 Bear Valley Rd.	Apple Valley	3/27/2007	50	50	50	0	1	50	1
K-Mart 20777 Bear Valley Rd.	Apple Valley	6/6/2007	50	50	50	1	1	100	1
Landscapers Paradise Nursery 18845 Highway 18	Apple Valley	4/14/2007	0	0	50	0	0	0	0
Target 19201 Bear Valley Rd.	Apple Valley	3/27/2007	0	0	50	0	0	0	1
Wal-Mart 20251 Highway 18	Apple Valley	3/30/2007	50	50	50	14	1	100	1
Wal-Mart 20251 Highway 18	Apple Valley	6/6/2007	50	50	50	0	0	0	1
Cal Herbold's Nursery 9403 E Ave.	Hesperia	3/28/2007	50	50	50	1	0	50	1
K-Mart 16968 Main St.	Hesperia	3/19/2007	50	0	50	0	1	50	1
K-Mart 16968 Main St.	Hesperia	6/19/2007	50	50	50	0	0	0	1
Mark & Nellie's Nursery 12875 Bear Valley Rd.	Victorville	3/5/2007	50	0	50	0	0	0	1
Mark & Nellie's Nursery 12875 Bear Valley Rd.	Victorville	6/13/2007	0	50	50	0	0	0	0
Target 15321 Palmdale Rd.	Victorville	3/14/2007	50	50	50	1	1	100	1

Table 7.0 GARDEN CENTER/NURSERY OUTREACH (continued)

Store of Name/Location	City/Area	Date Materials Placed	Number of Pesticide Tip Cards	Number of Fertilizer Tip Cards	Number of Tearsheets	Number of Pesticide Shelftalkers	Number of Fertilizer Shelftalkers	Number of Tearsheets on Shelftalkers	Number of Posters
Wal-Mart 15272 Bear Valley Rd.	Victorville	3/14/2007	50	50	50	1	0	50	1
Wal-Mart 15272 Bear Valley Rd.	Victorville	6/13/2007	50	50	50	1	1	100	1
Western Outdoor Power Equipment 15582 7 th St.	Victorville	3/19/2007	50	50	50	0	0	0	1
Total			650	600	800	6	6	600	14

Table 8.0 PET FACILITY OUTREACH

Store of Name/Location	City/Area	Date Materials Placed	Number of Posters
Animal Care Hospital, 21554 Highway 18	Apple Valley	3/30/2007	1
Animal Care Hospital, 21554 Highway 18	Apple Valley	6/7/2007	1
Animal Care Hospital at the Narrows, 18107 Highway 18	Apple Valley	3/27/2007	1
Animal Care Hospital at the Narrows, 18107 Highway 18	Apple Valley	6/6/2007	1
Animal Shelter Victor Valley, 21779 Zuni Rd.	Apple Valley	3/30/2007	1
Apple Valley Equine Hospital, 10083 Deep Creek Rd.	Apple Valley	3/27/2007	1
Apple Valley Equine Hospital, 10083 Deep Creek Rd.	Apple Valley	6/6/2007	1
Apple Valley Feed Bin, 21942 Bear Valley Rd.	Apple Valley	3/27/2007	1
Apple Valley Feed Bin, 21942 Bear Valley Rd.	Apple Valley	6/6/2007	1
Bear Valley Pet Hospital, 20915 Bear Valley Rd. #A	Apple Valley	3/27/2007	1
Bear Valley Pet Hospital, 20915 Bear Valley Rd. #A	Apple Valley	6/7/2007	1
Desert Feed Store, 22166 Highway 18	Apple Valley	3/30/2007	1
Desert Feed Store, 22166 Highway 18	Apple Valley	6/7/2007	1
Dog's Day Inn, 19575 Bear Valley Rd.	Apple Valley	3/27/2007	1
Groomingdale's, 22265 Highway Rd.	Apple Valley	3/27/2007	1
Hooves & Paws, 22749 Highway 18	Apple Valley	3/27/2007	1
Hooves & Paws, 22749 Highway 18	Apple Valley	6/7/2007	1
Luv-em Kennels, 14139 Lynn Rd.	Apple Valley	4/12/2007	1
Pollard's Motel For Dogs-Cats, 23430 Highway 18	Apple Valley	3/30/2007	1
A Royal Ruffhouse, 9963 Peach Ave.	Hesperia	4/12/2007	1
Animal Medical Center, 15013 Main St.	Hesperia	3/27/2007	1
Animal Medical Center, 15013 Main St.	Hesperia	6/19/2007	1
Big Valley Feed, 14825 Bear Valley Rd.	Hesperia	3/27/2007	1
Desert Care Animal Hospital, 15664 Main St.	Hesperia	3/27/2007	1
Desert Care Animal Hospital, 15664 Main St.	Hesperia	6/19/2007	1

Table 8.0 PET FACILITY OUTREACH (continued)

Store of Name/Location	City of Area	Date Materials Placed	Number of Posters
Good Shepard's Advanced Dog Training Academy, 10687 11 th Ave.	Hesperia	6/19/2007	1
Hair of the Dog, 17189 Bear Valley Rd. #170	Hesperia	3/27/2007	1
Hesperia Animal Hospital, 9540 I Ave.	Hesperia	3/27/2007	1
Hesperia Animal Hospital, 9540 I Ave.	Hesperia	6/19/2007	1
J & K's Feed & Pet Store, 16361 Yucca St.	Hesperia	3/27/2007	1
McCall's Dog House, 17146 Main St.	Hesperia	3/27/2007	1
Noah's Ark Animal Hospital, 17085 Main St.	Hesperia	3/19/2007	1
Patty's Critter Collection, 156664 Main St. #90	Hesperia	3/27/2007	1
Paws and Jaws, 15664 Main St. #170	Hesperia	3/27/2007	1
Precious Pets, 16074 Walnut St.	Hesperia	3/30/2007	1
Precious Pets, 16074 Waln ut St.	Hesperia	6/19/2007	1
Victor Valley Animal Hospital, 11696 Hesperia Rd.	Hesperia	3/19/2007	1
Victor Valley Animal Hospital, 11696 Hesperia Rd.	Hesperia	6/20/2007	1
Windhaven Kennel, 19150 Willow St.	Hesperia	3/19/2007	1
A Cut Above Dog & Cat Grooming Salon, 15770 Mojave Dr. #G	Victorville	3/14/2007	1
Animal Emergency Clinic, 15532 Bear Valley Rd.	Victorville	4/12/2007	1
Mesa Veterinary Care Center, 14643 Palmdale Rd.	Victorville	3/5/2007	1
Perky Pooch, 14444California Ave.	Victorville	3/5/2007	1
Petco, 17150 Bear Valley Rd.	Victorville	3/5/2007	1
Petco, 17150 Bear Valley Rd.	Victorville	6/12/2007	1
McCall's Dog House, 17146 Main St.	Victorville	3/27/2007	1
PETSMART, 12624 Amargosa Rd.	Victorville	3/5/2007	1
PETSMART, 12624 Amargosa Rd.	Victorville	6/13/2007	1
Pooch Palace, 13905 Amargosa Rd.	Victorville	3/27/2007	1
Rub-A-Dub Pet Salon, 15191 7 th St.#7	Victorville	3/14/2007	1
Victor Valley Veterinary Clinic, 14907 7 th St.	Hesperia	3/14/2007	1
Victor Valley Veterinary Clinic, 14907 7 th St.	Hesperia	6/12/2007	1
Total			51

School Education and Public Outreach Presentations

Table 9.0 ELEMENTARY SCHOOL OUTREACH/SCHOOL CLEAN-UP EVENTS

Name of School/Location	City/Area	Date of Assembly	Number of Students Educated	Number of Participants	Pounds of Trash Collected
Academy for Academic Excellence (Louis Center for Educational Research School K-6)	Apple Valley	5/4/2007	300	No School Clean-Up	
Mariana Elementary School 10601 Manhasset Rd.	Apple Valley	4/13/2007	300	35	10
Mojave Mesa Elementary School 15552 Wichita Rd.	Apple Valley	5/23/2007	500	No School Clean-Up	
Rancho Verde Elementary School 14334 Pioneer Rd.	Apple Valley	4/18/2007	400	No School Clean-Up	
Sandia Elementary School 21331 Sandia Rd.	Apple Valley	5/18/2007	300	No School Clean-Up	
Yucca Loma Elementary School 21351 Yucca Loma Rd.	Apple Valley	5/16/2007	250	25	10
Cypress Academy 10365 Cypress Ave.	Hesperia	5/10/2007	550	80	45
Lime Street Elementary School 16852 Lime St.	Hesperia	5/8/2007 5/24/2007	360	35	60
Mesquite Trails Elementary School 13884 Mesquite St.	Hesperia	5/1/2007	400	30	30
Mesquite Trails Elementary School 13884 Mesquite St.	Hesperia	4/30/2007	400	No School Clean-Up	
Green Tree East Elementary School 17246 Gibraltar Dr.	Victorville	5/29/2007	600	No School Clean-Up	

Table 9.0 ELEMENTARY SCHOOL OUTREACH/SCHOOL CLEAN-UP EVENTS (continued)

Name of School/Location	City/Area	Date of Assembly	Number of Students Educated	Number of Participants	Pounds of Trash Collected
Rancho Verde Elementary School 14334 Pioneer Rd.	Apple Valley	4/18/2007	400	No School Clean-Up	
Sandia Elementary School 21331 Sandia Rd.	Apple Valley	5/18/2007	300	No School Clean-Up	
Yucca Loma Elementary School 21351 Yucca Loma Rd.	Apple Valley	5/16/2007	250	25	10
Cypress Academy 10365 Cypress Ave.	Hesperia	5/10/2007	550	80	45
Lime Street Elementary School 16852 Lime St.	Hesperia	5/8/2007 5/24/2007	360	35	60
Mesquite Trails Elementary School 13884 Mesquite St.	Hesperia	5/1/2007	400	30	30
Mesquite Trails Elementary School 13884 Mesquite St.	Hesperia	4/30/2007	400	No School Clean-Up	
Green Tree East Elementary School 17246 Gibraltar Dr.	Victorville	5/29/2007	600	No School Clean-Up	
Park View Elementary California Distinguished School 13427 Cahuenga Rd.	Victorville	3/5/2007	140	133	125
Total			4,750	338	270