



Mojave River Watershed Group
Small Municipal Separate Storm Sewer System General Permit

Waste Discharge Identification Number
6B336SM40301

Fiscal Year 2009-10 Annual Report

Prepared for:

**California Regional Water Quality Control Board
Lahontan Region**

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Acronyms

BMP	Best Management Practice
CASQA	California Stormwater Quality Association
CESSWI	Certified Erosion, Sediment, and Storm Water Inspector
LID	Low Impact Development
MCM	Minimum Control Measure
MEP	Maximum Extent Practicable
MRWG	Mojave River Watershed Group
MS4	Municipal Separate Storm Sewer System
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
RWQCB	Regional Water Quality Control Board
SGA	S. Groner Associates, Inc.
SWMP	Stormwater Management Program
SWPPP	Storm Water Pollution Prevention Plan
SWRCB	State Water Resources Control Board
USEPA	United States Environmental Protection Agency
USGS	United States Geological Survey
WQMP	Water Quality Management Plan

1.0 Introduction

Phase II Small MS4 General Permit

The Phase II Small Municipal Separate Storm Sewer System (MS4) General Permit program is intended to address potentially adverse impacts to water quality by instituting the use of controls on unregulated sources of stormwater discharges that have the greatest likelihood of causing continued environmental degradation. Stormwater discharges from MS4s in urbanized areas are a concern because of the potential for these discharges to contain pollutants. Concentrated development in urbanized areas substantially increases impervious surfaces, such as city streets, driveways, parking lots, and sidewalks, on which pollutants from concentrated human activities can settle and remain until a storm event washes them into nearby storm drains.

Common pollutants include pesticides, fertilizers, oil and grease, trash and other debris, metals, and sediment. Another concern is the possible illicit connections of sanitary sewers, which can result in high levels of fecal coliform bacteria entering the storm drain system. Stormwater runoff can pick up and transport these and other potentially harmful pollutants and discharge them untreated to waterways. Under some circumstances, these discharges can result in a loss in aesthetic value and contaminate local drinking water supplies.

Uncontrolled runoff from construction sites is a water quality concern because of the effects that sedimentation can have on local water bodies, particularly small streams. Numerous studies have shown that the amount of sediment transported by stormwater runoff from construction sites with no controls is significantly greater than from sites with controls. In addition to sediment, pollutants such as pesticides, petroleum products, construction chemicals, solvents, asphalts, and acids can be present at construction sites and have the potential to be transported by stormwater runoff. During storms, construction sites can be the source of sediment-laden runoff, which can overwhelm a small stream channel's capacity, resulting in streambed scour and streambank erosion.

Mojave River Watershed Group General Permit Coverage and Annual Report

In accordance with the State Water Resources Control Board (SWRCB) Water Quality Order No. 2003-0005-DWQ and National Pollutant Discharge Elimination System (NPDES) General Permit No. CAS000004, the Town of Apple Valley, Cities of Hesperia and Victorville, and County of San Bernardino, collectively referred to as the Mojave River Watershed Group (MRWG) agencies, submitted a Notice of Intent (NOI) and Stormwater Management Program (SWMP) to the Lahontan Regional Water Quality Control Board (RWQCB) in August 2003 requesting coverage under the Phase II Small MS4 General Permit. The RWQCB accepted the SWMP and issued coverage under the Phase II permit to the MRWG Permittees in February 2005.

The MRWG SWMP consists of a comprehensive plan to develop, implement, and enforce a stormwater management program designed to reduce the discharge of pollutants from the MS4 to the Maximum Extent Practicable (MEP) to protect water quality. The SWMP includes the following six Minimum Control Measures (MCMs):

1. Public Education and Outreach
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

Each MCM consists of various implementation measures and Best Management Practices (BMPs) to prevent or reduce adverse affects on stormwater runoff and receiving water bodies. In addition, each MCM has several measureable goals to demonstrate compliance and effective implementation of the stormwater management program. Since the first 5-year term of the Small MS4 General Permit has expired the MRWG continues to implement its MCMs but there are no new measurable goals at this time.

This Annual Report covers the period from July 1, 2009 through June 30, 2010, which represents the sixth year of the program. The Annual Report is an evaluation of the MRWG's stormwater program and provides a status of implementation and compliance. It also includes an assessment of the effectiveness of the selected BMPs.

1.1 Summary of Major Accomplishments for Fiscal Year 2009-10

This Unified Annual Report will detail the successful implementation of all MCMs and demonstrate Permittee compliance with the Phase II Small MS4 General Permit. Major accomplishments between July 1, 2009 and June 30, 2010, included:

- Distribution of pesticide, paint, and fertilizer outreach materials to "do-it-yourselfers" through partnerships with local businesses.
- Pollution prevention presentations at local elementary schools resulting in five (5) schools independently organizing litter clean up events and reducing pollutant loads to the storm drain system.
- Member agency sponsored litter clean up events resulting in the collection of 208.7 tons of trash and recycling of 132.1 tons of material and green waste.
- Participation in multiple watershed wide meetings to obtain community input and involvement.
- Limited number of illicit discharges identified as a result of post-construction BMPs infiltrating urban and stormwater runoff onsite.
- Development of an Area-Wide Enforcement Response Guidance manual to supplement and enhance each member agency's internal enforcement action guidelines.
- Pollutant load reduction of 521.1 tons as a result of household hazardous waste collected.
- Establishment of effective relationships with builders to quickly resolve deficient construction site BMPs and avoid enforcement actions.
- Development of a draft Water Quality Management Plan (WQMP) and Post-Construction BMPs Guidance Manual to assist project applicants with the design and preparation of engineering plans to incorporate effective post-construction BMPs to treat and infiltrate stormwater runoff from discretionary projects.
- Completion of comprehensive stormwater training programs for illicit discharge detection and elimination, construction site stormwater runoff controls, post-construction stormwater management in new development and redevelopment, and municipal operations. Member agencies also participated in a Certified Erosion, Sediment, and Storm Water Inspector (CESSWI) review course and exam.

2.0 Background

The Mojave River Watershed encompasses approximately 4,500 square miles and is located entirely within San Bernardino County. The total population in the Mojave River Watershed was approximately 324,000 people in 2007 with much of the existing population concentrated in the Victor Valley, which is located north of the San Bernardino Mountains and borders the edge of the Mojave Desert. The Victor Valley includes the communities of Adelanto, Apple Valley, Hesperia, Lucerne Valley, Oak Hills, Phelan, Victorville, and Wrightwood. Additional urban growth is expected throughout the watershed. The population for the entire watershed is projected to reach nearly one-half million people by the year 2015.



The primary geographic and hydrologic feature of the watershed is the Mojave River. The headwaters of the Mojave River are in the San Bernardino Mountains, which annually receives greater than 40 inches of precipitation at its highest elevations. Much of the winter precipitation in the San Bernardino Mountains falls in the form of snow that provides spring recharge to the Mojave River system. Historically, the annual recharge from

the headwaters is approximately 75,000 acre-feet. The Mojave River channel, through both surface and subsurface flow, transects the watershed a linear distance of approximately 120 miles to its terminus at Silver Dry Lake near the Community of Baker. Aside from intense storm events, the Mojave River channel is typically dry downstream of the Mojave Forks Dam except in select locations where groundwater is forced to the surface by geologic structures.

The Mojave River Watershed is divided into five sub-basins based on hydrologic features. The United States Geological Survey (USGS) Report 95-4189 identified these sub-basins as:

1. Headwaters – Tributaries above the Mojave Forks Dam;
2. Upper Basin – Mojave Forks Dam to the Lower Narrows at Victorville;
3. Middle Basin – Lower Narrows to the Waterman Fault at Barstow;
4. Lower Basin – Waterman Fault to Afton Canyon; and
5. Tailwater – Afton Canyon to Silver Lake.

The sub-basins include an aquifer system consisting of two interconnected aquifers – floodplain aquifer and regional aquifer. The floodplain aquifer is composed of sand and gravel, which is as much as 250 feet thick, and generally follows the surface expression of the Mojave River. The regional aquifer, which is composed of sand, silt, and clay, generally underlies and surrounds the floodplain aquifer.

3.0 Effectiveness Assessment of Fiscal Year 2009-10

Program Effectiveness Assessment Strategy

The SWMP is comprised of six (6) program elements known as MCMs, each with specific control measures to reduce pollutants in urban and stormwater discharges. These MCMs are being implemented on a jurisdictional and watershed wide basis and each MCM is iterative and incorporates phases of assessment to determine whether programmatic outcomes are being achieved. This assessment phase is formalized as the Annual Report. The strategy for the Annual Report is based on the selection and annual evaluation of implementation assessment measures.

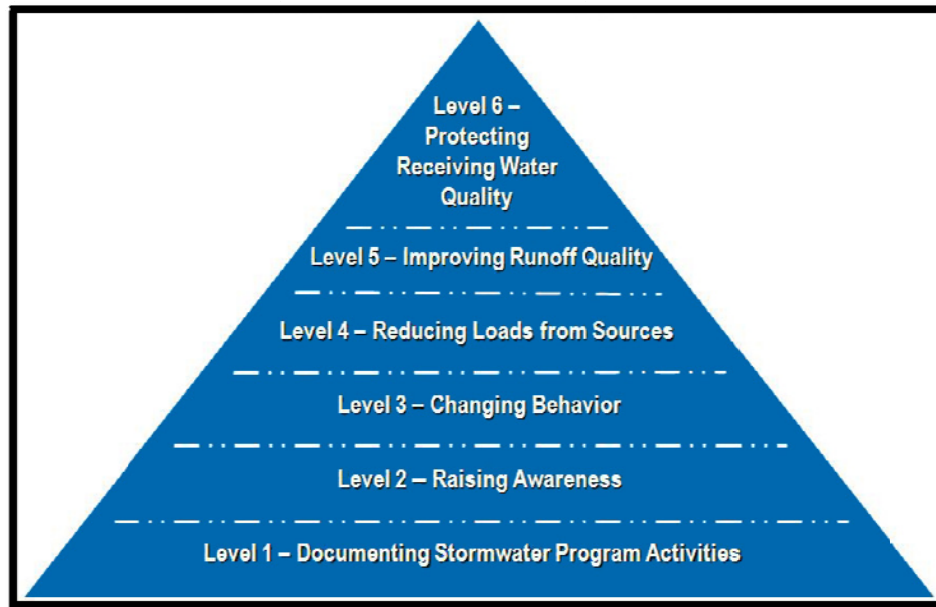


Figure 3-1 Approaches to Evaluate Stormwater Program Effectiveness

Source: CASQA, 2007 (www.casqa.org)

Outcomes are the result of an activity, program element, or overall program and can be characterized in terms of six levels. Figure 3-1 shows these levels as a gradation from activity-based to water quality-based outcomes and illustrates the progression of each successive step toward the ultimate goal of environmental improvement. In general, Levels 1 to 3 can be considered *Implementation Outcomes*, Levels 5 and 6 *Water Quality Outcomes*, and Level 4 a combination of the two types. Each level has value in informing the management process and it bears emphasis that not all are necessary or possible in every instance (CASQA, 2007)¹.

Assessment Measures

Assessment measures can be categorized many different ways. In this Annual Report, two categories are recognized, one related to the short term confirmation of BMP implementation and the other to long term verification of environmental improvement. In essence, the categorization of measures reflects two basic assessment questions:

- Are program elements being implemented correctly?

¹ California Stormwater Quality Association (CASQA), 2007. "Municipal Stormwater Program Effectiveness Assessment Guidance."

- Are environmental improvements being realized?

Programmatic and environmental indicators are conceived by the U.S. Environmental Protection Agency (USEPA) as having a hierarchical relationship as shown in Table 3-1. This relationship further illustrates the fact that environmental outcomes rest on, or follow from, jurisdictional program implementation. Moreover, it points to the reality that scientifically robust evidence of changing ecosystem quality will follow confirmation of program implementation and should not be expected to be evident concurrently.

Table 3-1 Hierarchy of Indicators (USEPA, 1998)		
Environmental Indicators	6	Ultimate Impacts: ➤ Ecological ➤ Health ➤ Welfare
	5	Body Burden/Uptake
	4	Ambient Conditions
	3	Discharge/Emission
Programmatic Indicators	2	Actions by Regulated Community
	1	Actions by Regulators

Key attributes of assessment measures include:

- Measurability (statistically measurable on a frequent basis);
- Relevance (significant, demonstrable relation to strategy and objectives);
- Reliability (easily documented and reproducible);
- Availability (based upon data obtainable at reasonable cost);
- Scientific validity (based on sound science), and
- Replicability (capable of being regularly updated).

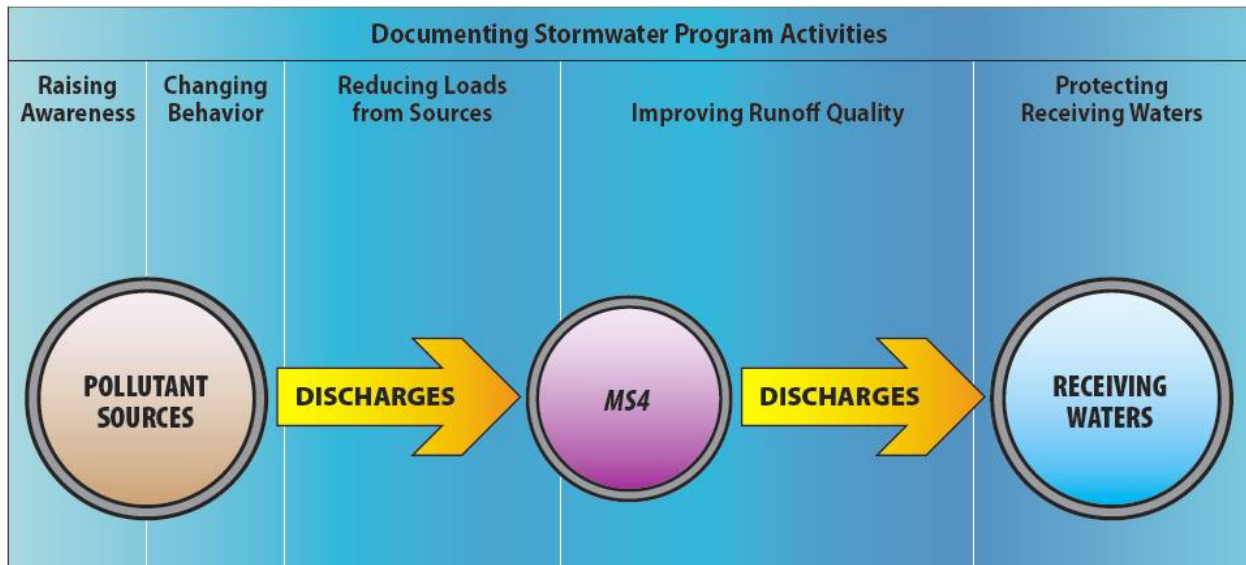


Figure 3-2 Documenting Stormwater Program Activities

Effectiveness Assessment

A program of effectiveness assessment requires the initial establishment of a set of baseline conditions. Thereafter, effectiveness can be evaluated by comparisons of successive years of indicator information against the baseline data. Where the period of evaluation is characterized by the implementation of new program requirements, determinations of program effectiveness will initially be limited to confirmation of program implementation. However, it must be recognized that direct measures of program effectiveness may not be available within the timeframe of the initial five-year Phase II Small MS4 General Permit. This lack of direct measure confirmation arises because:

- Baseline conditions are not readily established;
- Water quality changes in response to program implementation are likely to be very slow; and
- Establishing a link between receiving water condition and program activities is difficult at the watershed scale when programs are being implemented incrementally within the development and redevelopment cycle.

The process of stormwater program effectiveness assessment is conducted annually and focuses on program implementation. Inferences about the connection of management program elements to water quality improvements made in these assessments will predominantly be drawn from the assessment of programmatic indicators and indirect measures of progress. In addition, the outcome of the assessment may propose revisions to the SWMP. The effectiveness assessments and Outcome Levels are presented below for each of the individual MCMs.

While program effectiveness assessment is a key step in the iterative adaptive process of program implementation, it should be realized that effectiveness assessment itself is a part of the management process that is also evolving. Assessing program effectiveness is recognized as a challenge for program managers across California, and the MRWG member agencies support the effort of the California Stormwater Quality Association (CASQA) to develop guidance in this area at a statewide level. This guidance was published as the *Municipal Stormwater Program Effectiveness Assessment Guidance* (CASQA, 2007) and will be used for the purpose of assessing the MRWG's SWMP implementation efforts to comply with the Phase II Small MS4 General Permit and reduce the discharge of pollutants from the MS4 to the MEP to protect water quality.

3.1 MCM 1 – Public Education and Outreach

The Phase II Small MS4 General Permit requires the implementation of a public education program to distribute educational materials to the community and conduct outreach activities about the impacts of stormwater discharges on water bodies and steps the public can take to reduce pollutants in stormwater runoff.

The MRWG SWMP outlined a plan to meet the requirements of this MCM with education and outreach programs for three diverse groups: students, homeowners, and business people. The objectives of the Public Education and Outreach Program are to:

- Reduce the amount of stormwater pollution in the Mojave River Watershed;
- Change the mind-set of a large and diverse population while educating target audiences about solutions to stormwater pollution;
- Improve general understanding of urban and stormwater runoff pollution prevention methods;
- Create synergy by using an overarching campaign approach, “look” and tone, and by unifying multiple pollution prevention efforts;
- Impact more than one audience at a time with a single campaign;
- Build bridges and forge partnerships that integrate city and jurisdictional programs; and
- Document whether the education outreach effort resulted in behavior change that reduced pollution.

3.1.1 Implementation Status

The MRWG successfully accomplished the objectives of MCM 1, Public Education and Outreach. Program accomplishments included publishing articles in appropriate publications for the targeted audience, participating in local and regional events to disseminate outreach materials, distributing educational brochures and other handouts at high traffic locations for the targeted consumer, and updating a watershed specific website to provide residents, businesses, and City and County representatives with additional educational materials and references.

Environmental Outreach Booths at Local and Regional Events

To reach the target audience of “do-it-yourselfers”, the MRWG participated in two (2) community events where the prime audience would be present. The two events included the 25th Annual High Desert Home, Recreation, and Lifestyle Show from November 6-8, 2009 and 26th Annual High Desert Home and Garden Show from March 26-28, 2010. Both events were held at the San Bernardino County Fairgrounds in Victorville. The MRWG booths displayed pictures of litter caught in storm drains and conveyed proper trash and household hazardous waste disposal messages. Materials such as tip cards, pens made from recycled materials, stormwater brochures, and tear sheets were distributed in an effort to educate homeowners on stormwater pollution and ways to prevent it. City and County staff were able to hand out public education materials and speak one-on-one with event attendees regarding stormwater pollution prevention. Representatives also used the Enviroscape, an educational tool for children that illustrates how the storm drain system works and pollutants are transported.



Combined Homeowner and Business Outreach Program and Material Distribution

To yield the highest pollution reduction, the Public Education and Outreach Program executed a comprehensive set of outreach activities to target homeowners and local businesses. This included forming new and reinforcing existing partnerships with garden centers/nurseries, paint stores, hardware stores, home improvement stores, and pet facilities in order to place outreach materials at the finger tips of consumers.

The campaign focused on "pollutant specific outreach," since the majority of stormwater pollution is created by certain pollutants such as pesticide, fertilizer, paint, and pet waste. Educational materials promoted simple pollution prevention behaviors associated with these specific pollutants. The materials were placed in the proximity of products containing the potential pollutants. Outreach materials included tear sheets, tip cards, shelf talkers, and posters. Tear sheets listed locations of household hazardous waste centers, as well as hours of operation, and were placed on counters and checkout stands. Tip



cards provided easy-to-follow pollution prevention tips and were placed on counters in the appropriate section. Shelf talkers, with tear sheets attached, provided the same information and were placed in the appropriate aisles relating to the specific pollutant. This allowed customers to tear off individual sheets and take the information with them. Additionally, the program utilized posters to encourage the proper disposal of household hazardous waste and encourage pet owners to pick up after their pets in order to prevent pollution. Tear sheets, tip cards, shelf talkers, and posters promoted an educational quiz found on the www.mojaveriver.org website, which serves as an additional resource of information for residents and businesses.

In addition, owners, managers, and employees were educated on stormwater pollution. Once educated, the staff, seen as experts by the customers, served as catalysts to spread the stormwater pollution prevention message to "do-it-yourselfers" who may be unintentionally engaged in various polluting activities during their home improvement projects, or pet owners who may not be picking up after their pets resulting in pollution. By having staff deliver the stormwater pollution prevention message, the program has the advantage of "the messenger" constantly being at the customers' disposal, thereby being able to effectively reach and educate a large group of potential polluters. As a way of vowing to reach potential polluters, employees also signed commitment letters demonstrating their support to assist the program.

School Outreach

Environmental education promotes public awareness and increases knowledge of environmental issues. The earlier that environmental education is provided, the more likely that it will have a strong effect on an individual's values, and in turn, influence lifestyle. As such, the MRWG performed outreach to elementary school students by offering pollution prevention presentations to schools throughout the area.

The Malibu Foundation for Environmental Education conducted the presentations in two different types of settings, classroom and assembly. The classroom



presentation was geared toward an individual grade level; whereas, the school assembly was intended to reach the entire school. The program allowed schools the flexibility of choosing which setting they preferred.

The presentation utilized an interactive slideshow. This interactive slideshow connects students with their surroundings, teaching them about the storm drain system and how litter in the Mojave area impacts rivers. The presentations introduced students to stormwater pollution and the impact that their actions have on the environment. It stressed responsibility and awareness within communities and the ways in which students can help improve their surroundings. Presentations were also a call to action. Students were encouraged to act on the lessons learned by hosting their own cleanup event.

MRWG Website

The MRWG updated and edited the www.mojaveriver.org website. This website is a resource for residents, businesses, and City and County representatives to access information related to stormwater pollution and the Mojave River Watershed. It is also a source of news and information on the program's efforts to reduce stormwater pollution. It provides information on what residents, businesses, and developers can do to prevent stormwater pollution. The website has links to:

- General Information
- Pollution Prevention Tips
- Household Hazardous Waste and Oil Recycling
- Pollution Reporting
- Educational Materials and School Presentations

Distributed outreach materials included the website address as a resource for more information on stormwater pollution prevention and where to properly dispose of household hazardous waste.

3.1.2 Summary of BMPs

Environmental Outreach Booths at Local and Regional Events

Table 3-2 summarizes the outreach materials disseminated at the 25th Annual High Desert Home, Recreation, and Lifestyle Show and 26th Annual High Desert Home and Garden Show. It is estimated that a total of 1,850 residents were educated over the course of the two community events. Sixty-six signed commitment letters were received from event goers pledging to implement stormwater pollution prevention practices.

Table 3-2 Outreach Materials Distributed via Environmental Outreach Booths	
Educational Material	Quantity Distributed
Tear sheets (list of household hazardous waste collection centers)	1,662
Tip Cards (tips on paint, pesticide, and fertilizer)	1,166
Stormwater Brochures	130

Combined Homeowner and Business Outreach Program and Material Distribution

Partnerships were maintained with 19 garden centers/nurseries, paint stores, hardware stores, and home improvement stores to disseminate outreach materials within the local community. The MRWG worked with stores to train 58 employees on BMPs and the proper disposal of pesticides, fertilizers, paint, and pet waste, furthering their ability to pass on these pollution prevention messages to their customers. In the

process, 36 signed commitment letters were collected from participating employees. Table 3-3 highlights the business types and number of partnerships the MRWG has been able to maintain.

Table 3-3 Business Outreach Efforts and Partnerships	
Business Type	Number of Partnerships
Garden Centers/Nurseries	9
Paint Stores	2
Hardware Stores	3
Home Improvement Stores	5
Pet Facilities	16

The results in Table 3-4 illustrate the number of outreach materials distributed to homeowners through the MRWG's partnership with 19 local garden centers/nurseries, paint, hardware, and home improvement businesses.

Table 3-4 Outreach Materials Distributed via Local Businesses	
Educational Material	Quantity Distributed
Tear sheets (list of household hazardous waste collection centers)	2,800
Tip Cards (tips on paint, pesticide, and fertilizer)	2,100
Shelf Talkers (tips on pesticide, fertilizer, and paint)	37
Posters (identified phone number and website)	25

Table 3-5 lists the educational materials distributed to 43 home improvement store employees during four (4) training presentations.

Table 3-5 Outreach Materials Distributed to Home Improvement Store Employees	
Educational Material	Quantity Distributed
Tear sheets (list of Household Hazardous Waste collection centers)	41
Tip Cards (tips on paint, pesticide, and fertilizer)	123
Fact Sheets	41

Partnerships were maintained with 16 pet stores and one round of store outreach was conducted to train 22 employees on reminding customers to pick up after their pets. Table 3-6 lists the results of pet outreach efforts and commitment letters received from store employees.

Table 3-6 Pet Outreach Efforts					
Store Name Location	City/Area	Date Materials Placed	Staff Trained	Pet Posters	Commitment Letters
Animal Care Hospital 21554 US Highway 18	Apple Valley	10/9/2009	2	1	0
Animal Hospital at the Narrows 18107 US Highway 18	Apple Valley	10/9/2009	1	1	0
Apple Valley Feed Bin 21942 Bear Valley Rd.	Apple Valley	10/9/2009	1	1	0
Bear Valley Pet Hospital 20991 Bear Valley Rd.	Apple Valley	10/9/2009	1	1	1
Desert Feed Store 22166 US Highway 18	Apple Valley	10/9/2009	2	1	1
Hooves & Paws 22749 US Highway 18	Apple Valley	10/9/2009	1	1	1
A Cut Above Dog & Cat Grooming Salon 15770 Mojave Dr. #G	Victorville	10/21/2009	2	1	1
High Desert Veterinary Care 15610 Bear Valley Rd. Ste 109	Victorville	10/21/2009	1	1	1
Mesa Veterinary Care Center 14643 Palmdale Rd.	Victorville	10/21/2009	2	1	1
PETCO 17150 Bear Valley Rd	Victorville	10/21/2009	1	1	1
PetSmart 12624 Amargosa Rd.	Victorville	10/21/2009	1	1	1
Victor Valley Veterinary Clinic 14904 7th St.	Victorville	10/21/2009	1	1	1
Desert Care Animal Hospital 15664 Main St. Suite 130	Hesperia	10/28/2009	1	1	0
Noah's Ark Animal Hospital 15013 Main St.	Hesperia	10/28/2009	3	1	1
Patty's Critter Collection 15664 Main St. #190	Hesperia	10/28/2009	1	1	0
Paws and Jaws 15664 Main St. #170	Hesperia	10/28/2009	1	0	0
Total			22	15	10

School Outreach

The Malibu Foundation for Environmental Education conducted elementary school presentations and reached 4,185 students in Fiscal Year 2009-10. Table 3-7 documents the schools that participated in the outreach program and number of students educated at each assembly.

Table 3-7 Elementary School Presentations			
Name of School Location	City/Area	Date of Assembly	Number of Students Educated
Desert Knolls Elementary School 18213 Symeron Road	Apple Valley	12/1/2009	450
Mojave Mesa Elementary School 15552 Wichita Road	Apple Valley	5/19/2010	580
Pathways to College 9144 Third Avenue	Hesperia	11/2/2009	40
Joshua Circle Elementary School 10140 8th Avenue	Hesperia	5/7/2010	400
Cottonwood Elementary School 8850 Cottonwood Avenue	Hesperia	5/17/2010	900
Juniper Elementary School 9400 I Avenue	Hesperia	5/20/2010	475
Liberty Elementary School 12900 Amethyst Road	Victorville	11/19/2009	120
Mountain View Montessori Charter School 12900 Amethyst Road	Victorville	1/13/2010	160
Discovery School of Arts 13247 Amethyst Road	Victorville	2/9/2010	700
Mojave Vista Elementary School 16100 Burwood Road	Victorville	3/2/2010	200
Galileo Academy 17000 Silica Drive	Victorville	3/17/2010	125
Lomitas Career Academy 12571 1st Avenue	Victorville	4/17/2010	35
Total			4,185

MRWG Website

The program developed an e-Newsletter to reach target audience groups including gardeners, dog owners, and general stormwater interest stakeholders to highlight specific BMPs. The purpose of this electronic engagement is to keep stakeholders in the program loop by focusing on interesting and timely topics such as “greening your garden,” promotion of gardening workshops within the region such as “Cash for Grass,” local pet adoption and care, and special promotions and link-backs to the website to keep target stakeholders and residents engaged in the program.

The program strategically stretched program dollars by creatively repurposing county materials from other public education outreach relationships. For example, using both garden e-Update and Pet Update templates first developed for the Phase I San Bernardino



County Stormwater Program, the program was able to borrow and tailor the concepts to make it unique to the high desert Mojave region.

The program created two custom designed e- Newsletters: one 'Garden Guru' e-Update (April) and one Pet e-Update (June). The collection of e-Update sign-ups continued to be an intrinsic part of outreach with new email addresses being collected during one-on-one community events and meetings, public meetings, presentations as well as on the website. During Fiscal Year 2009-10, the program retrieved an e-Newsletter list of 219 emails.

3.1.3 Program Effectiveness

Assessment methods are the specific activities, actions, or processes used to obtain and evaluate assessment data or information. For MCM 1, Public Education and Outreach, the effectiveness assessment methods used include confirmation, tabulation, surveys, and quantification. These methods can be summarized as follows:

- Confirmation consists of documenting whether an activity or task has been completed to document compliance with activity-based permit requirements.
- Tabulation consists of simple accounting and can be expressed in both absolute and relative terms. This method relies on recordkeeping and is useful in documenting trends over time.
- Surveys encompass a variety of methods designed to discern knowledge, attitudes, awareness, or behaviors of a specific target audience. Surveys gather a sample of data that is representative of a group by asking questions of a target audience.
- Quantification refers to efforts to quantify reductions in loading or runoff discharges, or improvements in environmentally quality. There are two main approaches for using quantification methods, quantity tracking and pollutant load estimation.

The overall effectiveness of the Public Education and Outreach Program was determined to be at Outcome Levels 1 (Documenting Activities), 2 (Raising Awareness), 3 (Changing Behavior), and 4 (Reducing Loads from Sources).

Environmental Outreach Booths at Local and Regional Events

The effectiveness of the environmental outreach booths at the 25th Annual High Desert Home, Recreation, and Lifestyle Show and 26th Annual High Desert Home and Garden Show are considered to be at Outcome Levels 1, 2 and 3. The MRWG concludes that as a result of one-on-one interactions with event attendees and the dissemination of outreach materials to 1,850 residents, a reasonable level of heightened awareness and understanding could be expected by event goers. In addition, 66 signed commitment letters were received from event goers pledging to change their behavior and implement stormwater pollution prevention practices.

Combined Homeowner and Business Outreach Program and Material Distribution

It is realistic to deduce that the effectiveness of the combined homeowner and business outreach program conducted in partnership with garden centers/nurseries, paint stores, hardware stores, home improvement stores, and pet facilities can be assessed as Outcome Levels 1, 2, 3, and 4. As described in Section 3.1.1, the MRWG was able to document, distribute outreach materials, and interact with residents, business owners, and employees at 35 different locations.

Homeowner and business outreach activities performed by the MRWG met the requirements of the Phase II Small MS4 General Permit and reasonably raised the target audience's awareness and understanding of stormwater pollution prevention measures.

Since homeowner and business outreach programs have been determined to be effective at Outcome Levels 1, 2, and 3, and based on the findings of the other MCMs, continued efforts and measures were taken to focus the outreach program in areas that provide the greatest opportunity to improve stormwater quality. These program areas included the following:

- Train Store Staff – Emphasis was put on educating more owners, managers, and employees on stormwater pollution while conducting outreach. This is because once educated, the staff, seen as experts by the customers, served as catalysts to spread the stormwater pollution prevention message to “do-it-yourselfers” who may be unintentionally engaged in various polluting activities during their home improvement projects. By having staff deliver the stormwater pollution prevention message, the program has the advantage of “the messenger” constantly being at the customers’ disposal, thereby being able to effectively reach and educate a large group of potential polluters.
- Partner with Local Agency – Partnered with the local water agency, Victorville Water District, which has similar initiatives in preventing urban runoff, to promote the “Cash for Grass” program which serves as a catalyst for people to replace traditional lawns with native plants and zero-scape practices.
- Attend Additional Community Events – Staffed a booth at the 25th Annual High Desert Home, Recreation, and Lifestyle Show and 26th Annual High Desert Home and Garden Show to target the “do-it-yourself” audience on how to prevent stormwater pollution.

School Outreach

The Malibu Foundation for Environmental Education elementary school presentations has effectively resulted in Outcome Levels 1, 2, 3, and 4 being achieved as a result of documented implementation, a heightened sense of awareness and understanding, and quantifiable reduction of trash loadings to the MS4. It is inferred that as a result of the elementary school presentations that the awareness of the target audience was raised and a direct behavioral change was observed by five elementary schools. Five schools independently organized school clean up events to keep the community clean, as shown in Table 3-8. Over 351 students collected a total of 179 pounds of trash during the school clean up events therefore reducing a source of pollution.

Table 3-8 Elementary School Clean Ups				
Name of School Location	City/Area	Date of School Clean Up	Number of Participants	Pounds of Trash Collected
Cottonwood Elementary School 8850 Cottonwood	Hesperia	5/19/2010	60	50
Pathways to College 9144 3rd Ave	Hesperia	11/10/2009	20	16
Discovery School of the Arts 13247 Amethyst Rd.	Victorville	2/9/2010- 2/12/2010	175	50
Mountain View Montessori Charter School 12900 Amethyst Rd.	Victorville	1/15/2010	40	3
Liberty Elementary School 12900 Amethyst Rd.	Victorville	12/16/2009	56	60
Total			351	179

MRWG Website

Outcome Levels 1 and 2 were attained with the MRWG website. Outreach materials distributed at community events, schools, and business partner locations all refer to the MRWG website for additional information to raise the public's awareness and understanding of stormwater pollution prevention measures and where to properly dispose of household hazardous waste. During this reporting period the website received a total of 6,179 unique visitors.

Conclusion on Overall Public Education and Outreach Program Effectiveness

Largely, the Public Education and Outreach Program is deemed to be effective at various levels, Outcome Levels 1 (Documenting Activities), 2 (Raising Awareness), 3 (Changing Behavior), and 4 (Reducing Loads from Sources), for differing outreach efforts. The comprehensive Public Education and Outreach Program is effective and will continue to foster a greater sense of awareness and understanding among Mojave River Watershed homeowners and businesses with regard to stormwater pollution and the impacts associated with specific actions that impact our waterways. It is the goal of the MRWG that this heightened sense of awareness will translate into changing behaviors that result in reduced pollutant loads to the MS4 and receiving water body. Long term analysis of the Public Education and Outreach Program will likely demonstrate more actions similar to the independently organized school clean up events observed during the last three Fiscal Years.

3.1.4 Proposed Program Modifications

The MRWG does not propose any program modifications at this time.

3.2 MCM 2 – Public Involvement and Participation

The public can often provide valuable input and assistance to the implementation of a stormwater program. Therefore, the public is given opportunities to play an active role in both the development and implementation of the Mojave River Watershed Program. An active and involved community is crucial to the success of a stormwater program because it allows for:

- Broader public support since citizens who participate in the development and decision making process are partially responsible for the program and, therefore, may be more likely to take an active role in its implementation;
- Shorter implementation schedules due to fewer obstacles in the form of public and legal challenges and increased sources in the form of citizen volunteers;
- A broader base of expertise and economic benefits since the community can be a valuable and free intellectual resource; and
- A conduit to other programs as citizens involved in the stormwater program provide important cross-connections and relationships with other community and government programs. This benefit is particularly valuable when trying to implement a stormwater program on a watershed basis.

3.2.1 Implementation Status

The MRWG successfully accomplished the objectives of MCM 2, Public Involvement and Participation. Program accomplishments included active participation with numerous organizations throughout the watershed to maximize the exposure of the stormwater message, hosting an Annual Public Workshop on November 5, 2009, to discuss implementation of the Mojave River Watershed stormwater program and solicit input from the public, and four litter clean up and recycling events.

Public Involvement and Stakeholder Participation

Water supply and water quality are issues that resonate with the High Desert community. The MRWG actively pursued opportunities involving the coordination of activities amongst themselves and with other area stakeholders with similar goals and agendas. 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 pollution prevention. Permittees continued to work collectively with stakeholders to preserve water quality in the High Desert. Permittees were active in participating with the following stakeholders during this reporting year:

- Mojave Water Agency Technical Advisory Committee Meetings – Permittees participated in meetings coordinated through Mojave Water Agency Technical Advisory Committee. This group is made up of water purveyors, farmers, property owners, and other community stakeholder groups in the High Desert.
- Alliance for Water Awareness and Conservation Meetings – Permittees participated in meetings with this regional water conservation group. The Alliance for Water Awareness and Conservation is 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 Meeting – Permittees participated in the Flood Control District, Zone 4 Advisory Committee Meeting, which is comprised of a wide cross-section of stakeholders groups, political, and community leaders in the High Desert community.

- Victorville Water Management Ad Hoc Committee Meetings – Permittees participated in the Victorville Water Management Ad Hoc Committee which brings together water agency and City representatives to develop consistent water use policies for the area.
- Mojave River Watershed Group Meetings – Eleven (11) meetings were held among the Permittees for this reporting year, which were made open to other stakeholders.

Annual Public Workshop

On November 5, 2009, the MRWG hosted the 5th Annual Public Workshop at the City of Hesperia. Residents, business and building community members, industry representatives, and elected officials of San Bernardino County, the Town of Apple Valley and the Cities of Hesperia and Victorville were invited to participate in a workshop to present information on the Mojave River Watershed stormwater program and obtain input from the public. The main topics discussed at the workshop included an overview of the stormwater permit and management plan, required compliance practices, and a review of the fifth year annual report. On behalf of the MRWG, S. Groner Associates, Inc. (SGA) reached out to 25 community organizations and businesses and distributed 2,500 flyers to promote the Annual Public Workshop. A copy of the workshop flyer and sign-in sheet is included in Appendix A.

Cash for Grass Workshop

The “Cash for Grass” Program is an incentive program that offers eligible water users in the residential, commercial, industrial, and institutional sectors a rebate of \$0.90 per square foot to convert established grass into a water-smart landscape. Over half of the water used at residences and businesses is used for outdoor watering of landscaped areas such as grass. This program provides the community with an incentive to re-landscape their properties with attractive water-smart landscaping to conserve water, reduce water bills, and reduce irrigation runoff.

The 2nd Annual “Cash for Grass” workshop was held at Victorville City Hall on April 24, 2010. Thirty residents attended and five (5) signed up for the program.



Litter Clean Up and Recycling Events

Public education and outreach efforts at local elementary schools encouraged teachers and students to organize their own litter clean up events to help reduce stormwater pollution. As a result of Permittee education and outreach efforts, elementary school teachers and students from five (5) local schools took the initiative to independently coordinate their own litter clean up events. Over 351 students collected a total of 179 pounds of trash during the school litter clean up events.

The City of Hesperia held two (2) City Wide Clean Up, Free Dump Day events on October 24, 2009 and April 10, 2010. These two events yielded a total of 44.4 and 87.4 tons of trash and metal and another 140 and 120 cubic yards of green waste, respectively. Another successful event included the February 20, 2010 “Give a Day, Get a Day” co-sponsored with Walt Disney Corporation. In total 156 individuals volunteered to clean up illegal dump sites around the City of Hesperia. In return volunteers received a free one-day pass to one of Disneyland’s amusement parks. Volunteers collected seven bins full of mattresses, chairs, clothing, tables, and trash.

The Hesperia Electronic Waste Recycling Event was held on January 2, 2010 and resulted in the recycling of 34.1 tons of e-waste. On June 14, 2010, the City of Hesperia also staged “Operation Landscape,” a

recycling program event for the recovery of green waste and wood. This event resulted in the collection of 205.8 cubic yards of green waste, or approximately 35 tons.

The City of Victorville hosted two (2) Shred-Fest events at the Victor Valley Materials Recovery Facility on November 7, 2009 and May 1, 2010. Residents were encouraged to drop off old televisions, computers, appliances, scrap metal, paper, plastic, glass, cardboard, newspaper, and confidential documents to shred for free. The Shred-Fest events resulted in the collection of 2.0 and 1.4 tons of material, respectively. Schools in Apple Valley and Victorville also participated in a newspaper recycling drive as part of the May 1, 2010 Shred-Fest event which resulted in the collection of 4.8 tons.

The City of Victorville also hosted biannual trash clean up day events on October 24, 2009 and April 10, 2010. At the October 2009 Community Clean Up Day event volunteers helped to collect a total of 3.1 tons of trash. Another 12.8 tons of trash was collected at the April 2010 Community Clean Up Day event.

The County of San Bernardino hosted three (3) Community Clean Up events on October 3, 2009 (Trona), March 27, 2010 (Lenwood), and April 17, 2010 (Oak Hills). These events resulted in a total of 111 tons of material being removed. The Trona event produced 5.5 tons of trash and 3.5 tons of tires recycled. A total of 21.5 tons of trash and 2 tons of tires, 5.5 tons of metal, 5 tons of electronic waste, and 1.25 tons of green waste were recycled at the Lenwood event. Impressively, the Oak Hills event resulted in 34 tons of trash and 16.5 tons of tires, 5.5 tons of metal, 9 tons of electronic waste, and 6.5 tons of green waste recycled. In total 501 vehicles were served at these three clean up events.

3.2.2 Summary of BMPs

Public Involvement and Stakeholder Participation

The MRWG continued to work collectively with other area stakeholders to preserve water quality in the High Desert Region. Table 3-9 identifies the extent of involvement with each of the area stakeholders by attending regularly schedule meetings.

Table 3-9 Area Stakeholder Meetings Attended				
Organization/Stakeholder	Meetings Attended			
	AV	H	V	SBC
Mojave Water Agency Technical Advisory Committee Meetings	0	8	17 ¹	8
Alliance for Water Awareness and Conservation Meetings	0	11	13	0
San Bernardino County Flood Control District, Zone 4 Meetings	4	3	4	3
Victorville Water Management Ad Hoc Committee Meetings	0	0	4	0
Mojave River Watershed Permittee Meetings	9	11	11	11

¹ This includes the Alto Technical Advisory Committee and Urban Water Management Plan Technical Advisory Committee.

Annual Public Workshop

Permittees successfully engaged the public during this workshop to obtain helpful input on how to further involve the public in the implementation of the stormwater management program and answer community questions related to established stormwater regulations and their impacts on local businesses.

Cash for Grass Workshop

The 2nd Annual “Cash for Grass” workshop was held at Victorville City Hall on April 24, 2010. Thirty residents attended and five (5) signed up for the program. Table 3-10 documents the number of workshop attendees and their overall commitment to implement the program.

Table 3-10 Cash for Grass Workshop Participation		
Location	Number of Attendees	Signed Up for the Program
Victorville City Hall 14343 Civic Drive Victorville, CA 92393	30	5

Litter Clean Up and Recycling Events

As discussed in Section 3.1.3 and shown in Table 3-8, five (5) elementary schools independently organized school litter clean up events to keep the community clean. The Cities of Hesperia and Victorville each organized two large clean up events in October 2009 and April 2010. These Cities also hosted and promoted multiple recycling events targeting e-waste, newspapers, and green waste. The City of Hesperia also arranged a special clean up event with the Walt Disney Corporation. The County of San Bernardino also hosted three successful community clean up and recycling events.

3.2.3 Program Effectiveness

The overall effectiveness of MCM 2, Public Involvement and Participation, can be characterized as reaching Outcome Levels 1, 2, 3, and 4.

Public Involvement and Stakeholder Participation

Permittee involvement in the various stakeholder meetings has provided the MRWG with an opportunity to share information about the stormwater management efforts of the member agencies and foster relationships with other stakeholder participants to jointly spread information about stormwater pollution prevention and permit compliance. Through stakeholder workshops and other public outreach efforts, Permittees have been able to connect the stormwater pollution message with other efforts within the watershed. These collaborative efforts can be viewed as raising the awareness and understanding of citizens, area stakeholders, and community leaders to further disseminate the stormwater pollution prevention message.

Annual Public Workshop

Community involvement through the Annual Public Workshop can be viewed as being effective and achieving Outcome Levels 1 and 2. Permittees issued press releases and distributed flyers to announce the 5th Annual Public Workshop event. Members of the High Desert community, including businesses, builders, and MRWG agency officials participated in the workshop. It can be inferred that workshop participants gained a heightened sense of awareness and understanding as a result of actively participating in the workshop and providing input to the MRWG.

Cash for Grass Workshop

The 2nd Annual “Cash for Grass” workshop managed to attract a modest turnout and is viewed as another step towards implementing change in the build environment to conserve water and reduce excess irrigation runoff. Since this program is relatively new and still in its infancy, it is unreasonable to assess its effectiveness at this time.

Litter Clean Up and Recycling Events

As discussed in Section 3.1.3, there was an indirect benefit from the Malibu Foundation for Environmental Education elementary school presentations. These presentations raised the awareness of the target audience and resulted in a behavioral change observed by five (5) elementary schools. This change in behavior produced a reduction in potential load sources by eliminating 179 pounds of litter that may have ended up in the MS4. A significant reduction in potential load sources was also realized by the formal litter clean up and recycling events hosted by the Cities of Hesperia and Victorville and County of San Bernardino.

3.2.4 Proposed Program Modifications

The MRWG does not propose any program modifications at this time.

3.3 MCM 3 – Illicit Discharge Detection and Elimination

The goal of the Illicit Discharge Detection and Elimination (IDDE) Program is to detect, respond to, investigate and eliminate illicit discharges and illicit connections, and conduct enforcement so that the discharge of pollutants to the storm drain system is prevented, controlled, and mitigated to the MEP. Illicit discharges can be attributed to illegal dumping and non-stormwater discharges originating from illegal connections to the MS4. These discharges can potentially contain pollutants that may impact receiving water quality. The baseline objectives of this program are:

- Incidental spills or disposal (including septic system failures, sanitary sewer leaks, or overflows) reported by the public and other agencies, or observed by Permittee field staff during the course of their normal daily activities will be investigated, contained, and cleaned up.
- Prohibited non-stormwater discharges to the storm drain system reported by the public and other agencies, or observed by Permittee field staff during the course of their normal daily activities will be eliminated through voluntary termination or enforcement action.
- Suspected prohibited non-stormwater discharges in the storm drain system reported by the public and other agencies, or observed by Permittee staff during the course of their normal daily activities, that may result from illicit connections or whose origin is unknown, will be investigated to determine the nature and source of the discharge and eliminated through voluntary termination or enforcement action.

3.3.1 Implementation Status

The objectives of MCM 3, Illicit Discharge Detection and Elimination, were reached in accordance with the SWMP. Program accomplishments included implementing an effective public education and outreach campaign to educate Mojave River Watershed residents about the impacts of illicit discharges and proper methods of household hazardous waste disposal, maintaining sufficient legal authority to enforce the goals of the IDDE program, conducting investigations of reported or observed illicit discharges, and following through with enforcement actions when appropriate.

Increase Public Awareness of IDDE

The MRWG was able to effectively increase public awareness of illicit discharges through the implementation of the Public Education and Outreach Program described in Section 3.1.1. The education and outreach activities conducted through MCM 1 included the distribution of educational brochures and other handouts that contained messages about the improper disposal of materials and non-stormwater discharges to the storm drain system. These educational materials also referenced the MRWG website, where citizens can report observed water pollution activities and retrieve additional information on pollution prevention practices. Educational materials also included the watershed's 1-800-CLEANUP hotline number for the general public to report spills and other discharges. Efforts conducted under MCM 2 also helped to spread the message about eliminating illicit discharges and illegal dumping.

IDDE Implementation and Procedures

The Mojave River Watershed can be characterized as a region with soils that rapidly infiltrate urban and stormwater runoff. In addition, the region's requirement for developed properties to retain stormwater runoff from a 100-year storm event prevents spills and other non-stormwater discharges from ever reaching the MS4. As a result of these typical conditions found throughout the watershed, a limited number of illicit discharges have been detected by the MRWG member agencies.

However, for those instances when an illicit discharge or connection is detected, the MRWG has developed effective policies and procedures to prevent and manage the discharge of pollutants to the storm drain system. These include a comprehensive public education and outreach program, field investigations, complaint responses, incident response and tracking, enforcement, and municipal staff training. Member agencies developed an Area-Wide Enforcement Response Guidance manual to assist in taking enforcement actions for stormwater quality deficiencies and violations. This manual has been adapted to supplement MRWG agency enforcement policies and may be modified at the discretion of each member agency in accordance with their internal practices, policies, and procedures.

Permittees respond, report, and monitor all identified illegal discharges and the County of San Bernardino continues to operate a 24-hour water pollution reporting hotline, 1-800-CLEANUP, and a website reporting system. The County also has an established partnership with "We Tip" to encourage citizens to turn in illegal dumpers by calling 1-800-78-CRIME. "We Tip" is a national nonprofit organization, staffing operators to take anonymous tips from all states within the United States, including Puerto Rico and the Virgin Islands. A \$25,000 reward program is setup to reward individuals that provide information leading to the arrest and conviction of illegal dumpers.

As a preventative measure, the public education and outreach program and MRWG website promote and encourage Mojave River Watershed residents to utilize the various household hazardous waste collection sites located throughout the watershed. The household hazardous waste collection program provides residents with a legal and cost-effective way to dispose of unwanted household chemicals that cannot be disposed with regular trash.

IDDE Legal Authority

The MRWG member agencies have adequate legal authority through existing municipal codes and ordinances to implement and enforce the IDDE Program and mitigate illicit discharges such as illegal dumping, recreational sewage, industrial/business connections, non-stormwater discharges, and sanitary sewer overflows.

To strengthen existing municipal codes and ordinances and anticipate the reissuance of the Phase II Small MS4 General Permit, the MRWG conducted extensive research to develop a comprehensive Model Stormwater Ordinance. The Model Stormwater Ordinance was developed in Fiscal Year 2008-09 and is undergoing review by each agency's legal counsel to identify potential conflicts with existing ordinances, the need for additional stormwater ordinance provisions, and agency specific customization prior to adoption, if additional stormwater ordinance provisions are deemed necessary. The model ordinance will be modified at the discretion of each agency in accordance with their own internal practices, policies, and procedures.

3.3.2 Summary of BMPs

Increase Public Awareness of IDDE

A detailed summary of the BMPs implemented under MCM 1, Public Education and Outreach, and MCM 2, Public Involvement and Participation, are described in Sections 3.1.2 and 3.2.2, respectively. These educational activities included community event booths with displays conveying proper disposal of trash and household hazardous waste, outreach materials distributed at business locations which listed locations of household hazardous waste centers and encouraged proper disposal of potential pollutants, interactive school presentations on stormwater pollution and the impact that human actions have on the environment, and available resources on the MRWG website. Many of these educational activities incorporated a pointed message about illicit discharges and the impacts that they have on the environment.

IDDE Implementation and Procedures

Table 3-11 documents the number of illicit discharges reported and investigated by each MRWG member agency and the results of each recorded incident.

Table 3-11 Illicit Discharges Reported and Resolved				
Permittee	Illicit Discharges Reported	Illicit Discharges Resolved ¹	Resulted in Enforcement Action	Resolution Rate
Town of Apple Valley	64	64	0	100%
City of Hesperia	80	76	62	95%
City of Victorville	227	227	28	100%
County of San Bernardino	7	7	5	100%

¹ Member agencies are unable to resolve all illicit discharges because at times the discharger is unknown and cannot be easily identified. For example, illegal dumping on a vacant lot.

The Mojave River Watershed has four (4) household hazardous waste collection centers, Table 3-12, and several automotive retail outlets for residents to properly dispose of their unwanted medications, paint, used motor oil, antifreeze, automotive batteries, lawn care products, drain cleaners, pool care products, and household cleaners.

Table 3-12 Household Hazardous Waste and Used Oil Collection Centers			
Name Location	City/Area	Days of Operation	Times Open
Apple Valley HHW-Public Works Yard 22411 S. Outer Highway 18	Apple Valley	1 st & 3 rd Saturday	10 am to 2 pm
City of Barstow Corporation Yard 900 South Avenue H	Barstow/ Unincorp. County	Saturdays	9 am to 2 pm
Hesperia Fire Station 17443 Lemon Street	Hesperia	Tuesday & Thursday Saturday	9 am to 1 pm 9 am to 3 pm
Victorville Fire Department East of Desert Knoll Dr. on Loves Ln.	Victorville	Wednesday & Sunday	9 am to 4 pm

IDDE Legal Authority

In addition to each Permittee's existing municipal codes and ordinances, a Model Stormwater Ordinance was developed by the MRWG in Fiscal Year 2008-09. This model is currently being reviewed by each member agency's legal counsel. Should member agencies determine that additional stormwater ordinance provisions are necessary, these model provisions will further strengthen each Permittee's legal authority to successfully implement and enforce the requirements of the Phase II Small MS4 General Permit. The following provides an outline of the provisions developed and incorporated into the Model Stormwater Ordinance:

1. Authority
2. Purpose and Intent
3. Definitions
4. Stormwater Management Program
5. Prohibited Pollutants in Discharges
6. Exemptions from Discharge Prohibitions
7. Illicit Connection and Illicit Discharge Prohibition
8. Reduction of Pollutants in Stormwater
9. New Development and Redevelopment Requirements

10. Low Impact Development Requirements
11. Construction Site Requirements
12. Maintenance and Transfer of Properties Subject to BMP and LID Maintenance Requirements
13. Authority to Inspect
14. Falsifying Information
15. Administrative Remedies
16. Nuisance
17. Civil Penalties
18. Criminal Penalties
19. Nonexclusive Remedies
20. Compensation for Damages
21. Citations
22. Violations of Other Laws
23. Injunctions
24. Other Civil Remedies
25. Permit Suspension, Revocation, or Modification
26. Penalties

3.3.3 Program Effectiveness

The overall effectiveness of MCM 3, Illicit Discharge Detection and Elimination, was assessed at Outcome Levels 1, 2, 3, and 4.

Increase Public Awareness of IDDE

The MRWG was able to effectively increase the public's awareness and understanding of illicit discharges and their associated impacts to water quality through the implementation of various public education and outreach methods described in Sections 3.1.1, 3.2.1, and 3.3.1. The outreach efforts connected with the IDDE Program were determined to be at Outcome Levels 1, 2, 3, and 4. The Outcome Levels achieved for the public awareness component of the IDDE Program is confirmed through the documentation of outreach materials distributed to Mojave River Watershed residents and businesses, improved level of awareness as a result of one-on-one interactions during community events, and reduced loads as a result of residents properly disposing their household hazardous waste at designated collection centers. In addition, the MRWG website and 1-800-CLEANUP and 1-800-78-CRIME hotlines supplemented the outreach materials distributed and assisted in raising public awareness while facilitating the public's ability to reduce pollutant loads by reporting illicit discharges and illegal dumping to the Permittees.

IDDE Implementation and Procedures

A limited number of illicit discharges have been detected by the MRWG member agencies. Due to the advantageous site conditions found throughout the watershed, where properties have onsite retention or detention facilities and dry wells, IDDE is more focused on illegal dumping and the occasionally observed or reported nuisance flow that makes it off a given property.

Program effectiveness Outcome Levels 1, 2, 3, and 4 have been attained through the implementation of the IDDE Program. MRWG member agencies have documented the number of suspected illicit discharge inspections conducted and resolved, the number of enforcement actions taken, established and maintained a hotline and website for reporting water pollution, identified problem areas with a storm drain map detailing the watershed's high risk threat zones, tracked the number of illegal discharge clean ups, and recorded the training of inspectors and responders, see Table 3-13. In addition, member agencies such as the County of San Bernardino have gone beyond the requirements of the Phase II Small MS4 General Permit to include the inspection of County unincorporated areas outside the permit boundary for the purpose of IDDE.

Table 3-13 Illicit Discharges Detection and Elimination Related Training

Permittee	Personnel Trained
Town of Apple Valley	3
City of Hesperia	5
City of Victorville	2
County of San Bernardino	164

Although a moderate number of illicit discharge complaints were received, it is understood that the MRWG effectively raised public awareness about illicit discharges and illegal dumping. Permittees assume that the low number of recorded complaints via the website and hotlines, and moderate numbers by residents and Permittee staff during the course of their normal daily activities are a result of post-construction BMPs infiltrating urban and stormwater runoff onsite prior to reaching the MS4.

Table 3-14 Illicit Discharge Complaints Received

Medium through which Complaints were received	Number of Complaints
1-800-CLEANUP Hotline	0
1-800-78-CRIME "We Tip" Hotline	0
MRWG Website	0
Permittee Staff, Resident Complaints, and Other Sources	371

A change in public behavior and source load reduction has been identified through the number of residents making use of the household hazardous waste and used oil collection centers. Table 3-15 documents the amount of materials collected and prevented from entering the MS4.

Table 3-15 Quantity of Materials Collected at Household Hazardous Waste and Used Oil Centers

Household Hazardous Waste Collection Center Location	Quantity of Material Collected (Tons)
Town of Apple Valley	126.9
City of Hesperia	97.6
City of Victorville	102
Unincorporated County of San Bernardino	194.6
TOTAL	521.1

IDDE Legal Authority

Program effectiveness Outcome Level 1 was achieved for this measurable goal. Permittees conducted a review of existing municipal codes and ordinances to confirm adequate legal authority to implement and enforce the requirements of the IDDE Program. In addition, a Model Stormwater Ordinance was prepared for further evaluation and possible adoption by each MRWG member agency, if deemed necessary by legal counsel.

3.3.4 Proposed Program Modifications

The MRWG does not propose any program modifications at this time.

3.4 MCM 4 – Construction Site Stormwater Runoff Control

The purpose of the Construction Site Stormwater Runoff Control Program is to reduce pollutants from construction activities that result in a land disturbance of greater than or equal to one acre.

The MRWG SWMP includes the development and implementation of program elements to:

- Ensure adequate legal authority to require erosion and sediment controls on construction sites;
- Review project plans to confirm the incorporation of temporary BMPs to address potential water quality impacts during construction;
- Require construction site operators to implement appropriate erosion and sediment control BMPs;
- Require construction site operators to manage construction wastes to prevent adverse impacts to water quality; and
- Conduct construction site inspections and enforce the application of control measures to effectively reduce the transport of pollutants from the construction site to the storm drain system.

3.4.1 Implementation Status

Objectives for MCM 4, Construction Site Stormwater Runoff Control Program, were accomplished by the Permittees through the implementation of construction site inspections, monitoring, and enforcement consistent with the effectiveness metrics developed in year one of the program. Actions taken by Permittees to implement the Construction Site Stormwater Runoff Control Program included reviewing construction plans and issuing grading permits consistent with local requirements and ordinances, conducting routine and follow up inspections of construction sites to ensure proper implementation and maintenance of BMPs and compliance with local requirements, proceeding with enforcement actions for sites in violation of local requirements, providing regular training and outreach for municipal inspectors and construction staff and contractors, and maintaining a tracking system of construction sites.

Construction Site Inspections and Monitoring

Permittees made periodic site inspections during the course of a construction project to ensure compliance with codes and ordinances. Permittee inspectors verified at project commencement the proper installation and maintenance of BMP control measures and throughout the multiple construction phases of the project. Supplemental inspections were performed by the Permittees in response to complaints received from citizens and referrals from other internal departments or intergovernmental enforcement agencies on issues related to stormwater quality.

Correction and Enforcement Actions

Permittees have issued Notices of Correction on a number of construction projects. Common deficiencies observed include the inadequate and/or improper selection and maintenance of BMPs, improper storage of materials outdoors, failure to install proper secondary containment to capture spills that may occur, outdoor washing without containment of wash water, failure to cover stock piles, and deferred BMP maintenance. MRWG Permittee inspectors have developed good working relationships with construction site operators to quickly address areas of concern without having to resort to more extreme measures such as enforcement actions or referral to the Lahontan RWQCB. However, in six (6) instances enforcement action and referral to the Lahontan RWQCB was necessary to ensure compliance for

construction projects in the unincorporated portion of San Bernardino County outside the permit boundary.

Member agencies developed an Area-Wide Enforcement Response Guidance manual to assist in taking enforcement actions for stormwater quality deficiencies and violations. This manual has not been formally adopted by the MRWG agencies and may be modified at the discretion of each member agency in accordance with their internal practices, policies, and procedures.

3.4.2 Summary of BMPs

Construction Site Inspections and Monitoring

Table 3-16 shows the number of construction sites issued a grading permit and the relative sizes of these construction projects. As could be expected with the recent economic downturn, the issuance of grading permits is significantly down from previous years.

Table 3-16 Number of Grading Permits Issued and Project Sizes			
Permittee	Grading Permits Issued	Construction Projects > 1 Acre	Construction Projects < 1 Acre
Town of Apple Valley	27	13	14
City of Hesperia	28	12	16
City of Victorville	256	4	252
County of San Bernardino	4	0	4

Table 3-17 illustrates the number of construction site inspections performed by each Permittee in compliance with MCM 4, Construction Site Stormwater Runoff Control Program.

Table 3-17 Number of Construction Site Inspections	
Permittee	Number of Inspections
Town of Apple Valley	15
City of Hesperia	199
City of Victorville ¹	4
County of San Bernardino ²	6

¹ The economic downturn severely impacted development in the Victor Valley and as a result little activity occurred at construction projects greater than an acre resulting in fewer inspections.

² Two (2) inspections and four (4) follow-up inspections were necessary within the Permit boundary. However, thirty-two (32) inspections and fifty-five (55) follow-up inspections were performed outside the permit boundary in the Unincorporated County areas that fall within the Lahontan Regional Water Quality Control Board jurisdiction.

It is important to train inspectors and other municipal staff to perform comprehensive inspections of construction sites to ensure that construction activities do not result in adverse impacts to water quality. It is equally important to train local contractors, builders, and developers on the proper installation and maintenance of BMPs to eliminate non-stormwater discharges and reduce the impacts of erosion and sediment with site appropriate controls. On October 14, 2009, County personnel attended the Fire and Rain Planning for Post-Fire Remediation training workshop. The training was organized by the County of San Bernardino for City, County, State, and private companies and covered the implementation of erosion and sediment control BMPs for burn areas. On June 7, 2010, City, Town, and County personnel also attended the CESSWI review course and exam organized by the County of San Bernardino. Table 3-18 highlights the number of municipal staff who received training in Fiscal Year 2009-10 and construction site operator training sessions made available.

Table 3-18 Construction Site Stormwater Runoff Control Training

Permittee	Municipal Staff Trained	Construction Site Operator Trainings Made Available
Town of Apple Valley	3	0
City of Hesperia	2	0
City of Victorville	6	0
County of San Bernardino	57	2

Correction and Enforcement Actions

Although Notices of Correction have been issued on some projects, Permittee inspectors have worked closely with construction owners and operators to resolve deficiencies in a prompt manner to prevent polluted discharges for construction sites. Table 3-19 summarizes the number of Notices of Correction issued and the number of projects requiring enforcement action as a result of non-compliance.

Table 3-19 Notices of Correction and Enforcement Actions

Permittee	Notices of Correction	Enforcement Actions
Town of Apple Valley	20	0
City of Hesperia	26	0
City of Victorville	0	0
County of San Bernardino ¹	3	0

¹ Twenty-eight (28) Notices of Correction were issued for projects outside the Permit boundary and six (6) enforcement actions resulted in referrals to the Lahontan Regional Water Quality Control Board.

3.4.3 Program Effectiveness

Program effectiveness for MCM 4, Construction Site Stormwater Runoff Control, was assessed at Outcome Levels 1, 2, 3, and 4.

Construction Site Inspections and Monitoring

A large portion of the construction program is typically focused on site inspections that can serve as the basis for establishing baselines regarding how the sites are operating, what pollutants are of concern, and the level of BMP implementation and maintenance. In turn, follow-up inspections can be used to track changes and ensure that the sites are properly implementing and maintaining their BMPs.

MRWG Permittees have effectively achieved Outcome Levels 1, 2, and 3. Construction programs have documented and maintained adequate legal authority to enforce the Construction Site Stormwater Runoff Control Program, tracked the number of grading permits issued and construction sites inspected, and maintained records of training sessions attended by municipal staff and construction site operators. These training sessions have raised the awareness and understanding of impacts associated with construction site activities on the receiving water body and routine inspections have also served to reinforce the level of awareness necessary to install and maintain appropriate BMPs at construction sites. A change in behavior is inferred due to the number of construction sites complying with the Construction General Permit requirements and adequately implementing and maintaining BMPs to reduce and control erosion, sediment, and non-stormwater discharges from construction sites. In addition, up front reviews of project specific Storm Water Pollution Prevention Plans (SWPPPs) provide plan checkers with an opportunity to communicate with construction site operators to raise their level of awareness with regards to the proper installation and maintenance of stormwater BMPs.

Correction and Enforcement Actions

As a result of Notices of Correction and Enforcement Actions, Permittees have effectively achieved Outcome Levels 1, 2, 3, and 4 for this portion of the Construction Site Stormwater Runoff Control Program. Permittees have previously documented adequate enforcement policies and mechanisms to issue Notices of Correction and Enforcement Actions to influence a change in behavior at deficient construction sites. By recording the number of Notices of Correction and Enforcement Actions taken over the last Fiscal Year, Permittees have effectively documented their activities to achieve Level 1 status. By working closely with construction site operators to correct BMP shortcomings, Permittees have been able to increase the level of awareness amongst these problematic construction site owners and operators, and to change behaviors in the field. These changes in behavior ultimately result in the proper implementation of effective BMPs to reduce pollutant loads to the receiving water body.

3.4.4 Proposed Program Modifications

The MRWG proposes to have staff attend Qualified SWPPP Developer (QSD) and Qualified SWPPP Practitioner (QSP) training to meet the new requirements of the Construction General Permit adopted in September 2, 2009.

3.5 MCM 5 – Post-Construction Stormwater Management in New Development and Redevelopment

The purpose of the Post-Construction Stormwater Management in New Development and Redevelopment Program is to minimize potential adverse impacts to water quality from development projects by incorporating site planning, post-construction controls (site design, source control, and treatment control BMPs), and long-term maintenance agreements.

The goal of this Program is to assure that appropriate post-construction BMPs are included in New Development and Redevelopment project plans to minimize impacts from urban and stormwater runoff on the receiving water body. Permittees currently have a system in place to address urban and stormwater runoff by using post-construction BMPs such as retention and detention basins incorporated into the project site. These devices function to control stormwater volume and improve water quality by settling out particulates and other pollutants of concern.

3.5.1 Implementation Status

Objectives for MCM 5, Post-Construction Stormwater Management in New Development and Redevelopment, were to implement post-construction BMPs and revise ordinances and policies as necessary. Permittees successfully accomplished these goals by requiring project proponents to submit engineering and grading plans which incorporated structural and non-structural BMPs appropriate for the High Desert communities, contracting with qualified consultants to provide professional services to review plans, inspecting BMP installation, ensuring compliance with the post-construction program, and assessing ordinances and policies to verify adequate legal authority and guidelines to achieve the requirements of the Phase II Small MS4 General Permit.

Post-Construction Stormwater Management Implementation

Permittees are conditioning new development and redevelopment projects to submit engineering and grading plans which incorporate post-construction controls (site design, source control, and treatment control BMPs) and long-term maintenance agreements to mitigate urban and stormwater runoff after a developer has completed a project. MRWG member agencies are using discretionary approval and placing conditions on developments to require the incorporation of post-construction BMP controls. In addition, flood damage prevention ordinances that place requirements on new construction also help with conditioning projects to mitigate post-development urban and stormwater runoff. These ordinances seek to limit peak discharges from new developments by retaining and infiltrating stormwater onsite. These devices function to control stormwater volume and improve water quality by settling out particulates and other pollutants of concern.

To improve awareness of the post-construction requirements and how to effectively implement them in the High Desert, Permittees attended various training sessions and workshops including the Compliance Alliance Workshop, California Department of Water Resources' National Flood Insurance Program Floodplain Management Workshop, Fire and Rain Planning for Post-Fire Remediation training workshop, CESSWI review course and exam, and other internal member agency training sessions.

Water Quality Management Plan and Post-Construction BMP Guidance Manual

MRWG Permittees are in the process of developing a WQMP and Post-Construction BMP Guidance Manual to assist project applicants with the design and preparation of engineering plans to incorporate effective post-construction BMPs to treat and infiltrate stormwater runoff from discretionary projects.

Ordinance and Policy Revisions

Permittees have adequate legal authority through existing municipal codes and ordinances to implement and enforce the Post-Construction Stormwater Management in New Development and Redevelopment Program. Previous ordinances were enacted to promote water conservation which also prevents excessive discharges of nuisance water. Existing landscape ordinances attempt to prepare for the area's growing water needs and aim to eliminate sprinkler runoff from filling retention basins.

In addition to existing municipal codes and ordinances, a Model Stormwater Ordinance was developed by the MRWG and is undergoing legal counsel review. If deemed necessary by each Permittee's legal counsel and adopted, it will further strengthen the legal authority of member agencies to implement and enforce the requirements of the Post-Construction Stormwater Management in New Development and Redevelopment Program.

3.5.2 Summary of BMPs

Post-Construction Stormwater Management Implementation

Table 3-20 shows the number of projects meeting the threshold for post-construction BMP requirements and implementing control measures.

Table 3-20 Number of Projects Implementing Post-Construction BMPs	
Permittee	Number of Projects
Town of Apple Valley	9
City of Hesperia	Unknown ¹
City of Victorville	0
County of San Bernardino	5

¹ The City of Hesperia does not have a tracking mechanism for quantifying the number of sites implementing post-construction BMPs other than for dry wells located east of Hesperia Road.

Table 3-21 provides the number of Permittee staff trained on the implementation of post-construction BMPs and LID strategies.

Table 3-21 Number of Personnel Trained on Post-Construction BMP Implementation	
Permittee/Private Industry	Personnel Trained
Town of Apple Valley	0
City of Hesperia	1
City of Victorville	0
County of San Bernardino	80

Water Quality Management Plan and Post-Construction BMP Guidance Manual

The following provides an outline of the draft WQMP and Post-Construction BMP Guidance Manual being developed by the MRWG member agencies:

1. Water Quality, A Nation, State, and Local Concern
2. Requirements for Development Projects
3. Best Management Practices
4. Low Impact Development
5. Integration of BMPs into Development Projects
6. Source Control BMPs

7. Site Design BMPs
8. Treatment Control BMPs
9. Water Quality Design Volume and Water Quality Design Flow Worksheets
10. BMP Fact Sheets
11. Site Evaluation and Testing Protocols – Stormwater Infiltration BMPs
12. Class V Injection Wells
13. Suitable Plants for Use in BMPs
14. WQMP Template

Ordinance and Policy Revisions

In addition to existing municipal codes and ordinances, a Model Stormwater Ordinance was developed by the MRWG. This model is being reviewed by each member agency's legal counsel. Should member agencies determine that additional stormwater ordinance provisions are necessary, these model provisions will further strengthen each Permittee's legal authority to successfully implement and enforce the requirements of the Phase II Small MS4 General Permit.

3.5.3 Program Effectiveness

Overall, the assessed program effectiveness for MCM 5, Post-Construction Stormwater Management in New Development and Redevelopment, was at Outcome Levels 1, 2, 3, and 4.

Post-Construction Stormwater Management Implementation

Implementation of MCM 5, Post-Construction Stormwater Management in New Development and Redevelopment, has been assessed at Outcome Levels 1, 2, 3, and 4. Permittees have documented the appropriate legal authority to enforce the requirements of this MCM and noted the number of projects conditioned for the incorporation of post-construction BMPs. Permittee staff has actively participated in various trainings and workshops to understand how to successfully implement and enforce the post-construction BMP requirements of this program. This training has resulted in a better understanding of post-construction BMP and LID options, and the MCM 5 requirements. The Post-Construction Stormwater Management in New Development and Redevelopment Program has demonstrated an effective change in behavior from the way developers constructed projects to now incorporating post-construction BMPs. Although pollutant load reduction quantities, as a result of post-construction BMPs installed on project sites, have not been assessed it can be concluded that these BMPs are making a positive impact in reducing pollutant loads to the storm drain system.

Water Quality Management Plan and Post-Construction BMP Guidance Manual

The effectiveness of developing a WQMP and Post-Construction BMP Guidance Manual is determined to be at Outcome Levels 1, 2, and 3. A formal guidance manual, once completed and implemented by the member agencies, will serve to clearly document the purpose and requirements of the Post-Construction Stormwater Management in New Development and Redevelopment Program. Developers referring to the manual will have a raised awareness of source control, site design, and treatment control BMPs and Low Impact Development (LID) strategies, and the specific pollutants of concern that each practice targets. The guidance manual will also result in a behavioral change since it will provide project engineers with support on the proper selection of post-construction BMPs for discretionary projects that will ultimately result in a reduction of runoff discharged and pollutant loads to the receiving water body.

Ordinance and Policy Revisions

Program effectiveness Outcome Level 1 was achieved for this goal. Permittees conducted a review of existing municipal codes and ordinances to confirm adequate legal authority to implement and enforce

the requirements of the Post-Construction Stormwater Management in New Development and Redevelopment Program. In addition, a Model Stormwater Ordinance was prepared for further evaluation and possible adoption by each MRWG member agency, if deemed necessary by legal counsel.

3.5.4 Proposed Program Modifications

The MRWG does not propose any program modifications at this time.

3.6 MCM 6 – Pollution Prevention and Good Housekeeping for Municipal Operations

Municipalities conduct various activities that can generate or mobilize pollutants in stormwater runoff. The purpose of the Pollution Prevention and Good Housekeeping for Municipal Operations Program is to reduce pollutants from these operations and maintenance activities (e.g. small construction improvement projects, street sweeping, storm drain cleaning, corporation yard operation, etc.) through the development and implementation of good housekeeping, BMPs, and activity specific stormwater pollution prevention training.

Pollution prevention and good housekeeping practices are critical to maintaining progress and achieving continued improvement in water quality. Permittees have developed a pollution prevention and good housekeeping program that requires employees to examine and subsequently alter their actions to reduce the type and amount of pollution. Recognizing the benefits of pollution prevention practices, the MRWG has 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 drain system;
- Integrate pollution prevention and good housekeeping practices training into municipal employee training programs; and
- Implement the appropriate BMPs to mitigate urban and stormwater runoff pollution.

3.6.1 Implementation Status

Program accomplishments included training municipal operations personnel on pollution prevention techniques and good housekeeping practices, implementing post-construction BMPs at municipal facilities to reduce the discharge of pollutants to the MEP, and incorporating pollution prevention practices into daily work routines.

Municipal Operations Personnel Training

Permittees conducted comprehensive training of municipal operations personnel to identify pollution prevent practices that can be incorporated into daily work routines and good housekeeping tips. Training materials covered ways to reduce pollutants from operation and maintenance activities such as small construction improvement projects, street sweeping, storm drain cleaning, and corporate yard operation through the development and implementation of control measures and BMPs. Training materials used met the requirements of the permit and provided municipal staff with adequate training to perform their duties in a manner that reduces the potential to discharge pollutants of concern to the storm drain system.

Training materials used included Microsoft PowerPoint presentations, videos, modules, BMP manuals, brochures, booklets, and in the field hands on training. Training programs provided to municipal operations staff covered the following topics:

- BMPs for the daily duties of a municipal employee
- Pollution prevention
- Good housekeeping
- Stormwater compliance rules and regulations
- Spill prevention
- Spill reporting and response procedures

- Sewer system overflow response
- Outdoor storage of materials and waste
- Vehicle and equipment maintenance
- Vehicle and equipment washing
- Street maintenance
- Landscaping

Municipal Facility BMP Implementation and Inspection

MRWG member agencies utilize good housekeeping practices and source control BMPs to prevent and minimize pollution from municipal facilities. Each agency routinely inspects their respective municipal yard to ensure that good housekeeping practices are implemented and BMPs are maintained.

3.6.2 Summary of BMPs

Municipal Operations Personnel Training

Table 3-22 briefly summarizes the number of municipal operations staff trained in Fiscal Year 2009-10.

Table 3-22 Number of Staff Trained for Municipal Operations	
Permittee	Number of Staff Trained
Town of Apple Valley	0
City of Hesperia	67
City of Victorville	128
County of San Bernardino	164

Municipal Facility BMP Implementation and Inspection

The County of San Bernardino developed site specific SWPPPs for 12 Municipal Road Yard Facilities. The SWPPPs developed identified source control and post-construction BMPs to prevent and minimize dry- and wet-weather pollution. BMPs installed included catch basin curb inlet screens, curb inlets with oil absorbent geotextile booms, storm drain drop inlet inserts with oil absorbent filters, and spill absorbent kits near fueling areas for responding to small incidental spills.

3.6.3 Program Effectiveness

Effectiveness Outcome Levels 1, 2, and 3 were measured for MCM 6, Pollution Prevention and Good Housekeeping for Municipal Operations.

Municipal Operations Personnel Training

Documented municipal training programs were determined to increase the knowledge of municipal staff. As a result municipal staff used good judgment and appropriate housekeeping measures while performing municipal operations. This higher level of comprehension and change in behavior by municipal operations staff facilitated the use of site appropriate BMPs and pollution prevention techniques to minimize impacts to receiving water quality.

Municipal Facility BMP Implementation and Inspection

The quarterly and annual inspection of municipal facilities provides for the documentation of activities performed by the MRWG member agencies and ensures that municipal operations staff are trained and

aware to implement good housekeeping practices and perform the proper operation and maintenance of source control and post-construction BMPs to prevent and minimize pollution. The implementation of good housekeeping measures, and source control and post-construction BMPs also serves as a change in behavior to lead towards a reduction in pollutant loads.

3.6.4 Proposed Program Modifications

The MRWG does not propose any program modifications at this time.

4.0 Goals and Activities Planned for Fiscal Year 2010-11

Since the Phase II Small MS4 General Permit has not been renewed, the MRWG member agencies have not established any new measureable goals. Member agencies will continue to implement their SWMP and MCMs to reduce the discharge of pollutants from the MS4 to the MEP to protect water quality.

5.0 Certification

"I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed 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, the information submitted is, to the best of my knowledge and belief, 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)	_____ Date signed
_____ Brad Miller, P.E. Name (Please print)	_____ Town Engineer Title

City of Hesperia

_____ Signature of Permittee (legally responsible representative)	_____ Date signed
_____ John Leveillee, P.E. Name (Please print)	_____ City Engineer Title

City of Victorville

_____ Signature of Permittee (legally responsible representative)	_____ Date signed
_____ John A. McGlade, P.E. Name (Please print)	_____ City Engineer Title

County of San Bernardino

_____ Signature of Permittee (legally responsible representative)	_____ Date signed
_____ Granville M. "BOW" Bowman, P.E., P.L.S. Name (Please print)	_____ Director Title

6.0 MRWG Member Agency Contact Information

The following is contact information for each of the MRWG Member Agencies:

Town of Apple Valley

14955 Dale Evans Parkway
Apple Valley, CA 92307

Contact Person: Reni Keane-Dengel
Contact Phone No.: (310) 257-2002

City of Hesperia

9700 Seventh Avenue
Hesperia, CA 92345

Contact Person: Tina Souza
Contact Phone No.: (760) 947-1474

City of Victorville

14343 Civic Drive
Victorville, CA 92393-5001

Contact Person: Helen Wilson
Contact Phone No.: (760) 955-5158

County of San Bernardino

825 E. Third Street
Second Floor, Room 201
San Bernardino, CA 92415-0835

Contact Person: Dan Ilkay
Contact Phone No.: (909) 387-8119

APPENDIX A

Annual Public Workshop Flyer and Sign-In Sheet



Mojave River Watershed

Stormwater Management Program

FIFTH ANNUAL PUBLIC WORKSHOP

In Compliance with the Clean Water Act Phase II Stormwater Requirements

Fifth Annual Public Workshop
on the
Stormwater Management Program
for the
Upper Mojave River Watershed

November 5, 2009
6:00 – 7:00 pm
Hesperia Library
Community Room
9560 7th Avenue
Hesperia, CA 92345

In compliance with the Clean Water Act Stormwater Phase II regulations which affect our High Desert Communities, this workshop will include:

- » An overview of the stormwater permit and management plan
- » Required compliance practices (geared towards year 4)
- » Review of fourth year annual report

Who should attend:

- » Interested residents of the High Desert communities
- » Elected officials and staff members of public agencies
- » Building community members
- » Industry representatives

**FOR MORE
INFORMATION**
call Dan Ilkay at
909-387-8119





MOJAVE RIVER WATERSHED GROUP
5TH ANNUAL PUBLIC WORKSHOP
NOVEMBER 5, 2009

SIGN-IN SHEET

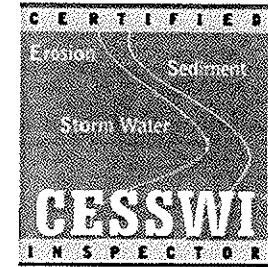
ATTENDEE'S NAME	AGENCY	TELEPHONE NUMBER	E-MAIL ADDRESS
1 Dan Flkay	SB County PW	(409) 387-8119	dflkay@d.pw.sbcounty.gov
2 Tom Thornton TINA SMZA	HESPERIA	(760) 947-1014	tthornton@cityofhesperia.us
3 Jenny MLDOR	SIERRA CLUB MOJAVE GROUP	(760) 220 0730	JENSOASIS@AOL.COM
4 Percy Baker	—	760 244 2875	—
5 Sarah Wiley	Sierra Club	(760) 245-8734	desertlily1@verizon.net
6 MIKE LUNGREN		(956) 452 6244	MIKE LUNGREN@VERIZON.NET
7 HELEN WILSON	City of Victorville	(760) 955-5158	
8 Janis Miller	J.E. Miller & ASSOC	(760) 962-1105	janmiller@jemillersurvey.com
9 LAVERNE BOOTH	SIERRA CLUB	(760) 956-2189	LJBOOTH2@HOTMAIL.COM
10 JAMES NELSON	APPLE VALLEY	(760) 240-7000	JNelson@applevalley.org

APPENDIX B
Meeting Sign-In Sheets

APPENDIX C

Training Certificates and Sign-In Sheets

CERTIFICATE OF COMPLETION



THIS CERTIFICATE IS AWARDED TO

John White

FOR ATTENDING THE

CERTIFIED EROSION, SEDIMENT AND STORM WATER INSPECTOR
CESSWI REVIEW COURSE

PRESENTED BY

AEI-CASC CONSULTING

AEI-CASC
CONSULTING

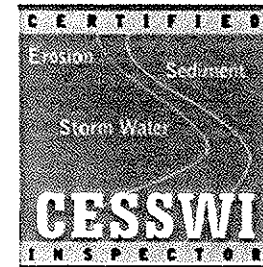
David Franklin

6 / 7 / 2 0 1 0

Staying current is important. AEI-CASC recommends refresher training at least every two years.

AEI-CASC Consulting • 1390 N. McDowell Blvd
Suite G, #205 • Petaluma, CA 94954 • (707) 665-9517

CERTIFICATE OF COMPLETION



THIS CERTIFICATE IS AWARDED TO

Curtis Cook

FOR ATTENDING THE

CERTIFIED EROSION, SEDIMENT AND STORM WATER INSPECTOR
CESSWI REVIEW COURSE

PRESENTED BY

AEI-CASC CONSULTING

AEI-CASC
CONSULTING

David Franklin

6 / 7 / 2 0 1 0

Staying current is important. AEI-CASC recommends refresher training at least every two years.

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Suite G, #205 • Petaluma, CA 94954 • (707) 665-9517

Certificate of Completion

CWEA

SSO-WDR Compliance Workshop
SSMP Requirement 1: Developing Your Plan

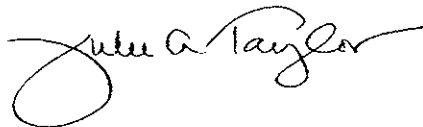
San Diego, CA – January 13, 2010

THIS IS TO CERTIFY THAT

Colin Halbert Rowe

HAS COMPLETED THE ABOVE TRAINING/EDUCATIONAL PROGRAM AND HAS EARNED

7 Contact Hours



Program Coordinator

January 13, 2010

Date of Completion

This Certificate of Completion is issued on January 25, 2010

Continuing Education Credit Submittal Form

Check one of the boxes below:

Pre-Approved* Please see our website to verify pre-approved courses prior to submitting this form www.floods.org

Submitted for Pre-Approval Submitted for Approval

Formal Name of Course/Workshop:

Floodplain Management and Duties of the Local Administrator

Offered By:

CA - DWR

Date(s) of Training/ Education/Workshop:

January 13, 2010

Location of Training/ Education/Workshop:

City of LA Quinta

Length of class in days. If less than one day, list the actual class hours (do not count breaks, lunch, etc.)

6.5 Hours

CEUs, Credits or Clock Hours Issued by Offering Entity: 6.5 or *ASFPM Pre-Approved CECs:

Instructors Signature:

(only required when no certificate of attendance document is available)

To assist other CFM's, please indicate your overall level of satisfaction with this course 1 2 3 4 5
If you have any comments you would like to add please write them on a separate sheet of paper. 1 is low, 5 is high

It is mandatory to attach certificate or attendance document with this form. If the training is not a pre-approved course, also attach the Course/Workshop Agenda, instructor name and, if available CEC documentation issued by offering entity (university, association, agency, etc.). If there are concurrent sessions on different subjects, circle the sessions that you attended. If no certificate or attendance document is available, you must get this form signed by the instructor.

CFM Applicant Certification: I am certifying that the information listed above, referencing my Continuing Education Credit (CEC), is correct.

Name: THOMAS W. THORNTON

Signature: Thomas W. Thornton

Email: tthornton@cityofhesperia.us

Certification Number: _____

Instructor Participant

Submittal Date: _____

Mail to: ASFPM Certification Program, 2809 Fish Hatchery Road, Madison, WI 53713

DO NOT WRITE BELOW THIS LINE

Level: C P I Number of creditable hours: _____

CECs Awarded: _____

Determined by: _____ Date: _____

Add Course to Website? Yes No

City of Hesperia Public Works Division Safety Meeting Sign-In Sheet

Date: 6/07/10

Signature			Signature		
ADDANTE	N		GATES	D	
ALBERTS	J		GODFREY	✓ C	C. Dury
ALLOWAY	✓ J	A. Alloway	HARDIN	✓ K	Kelly Hardin
ARAUJO	✓ T	[Signature]	HAYWOOD	S	
ASHBY	✓ R	[Signature]	HEARN	✓ N	Nick Hearn
BENNINGTON	✓ J	[Signature]	HERNANDEZ	✓ M	MA
BERAN	✓ J	[Signature]	HILL	D	
BLAIR	✓ M	[Signature]			
BOURNE	✓ C	[Signature]	ISKANDAR	✓ J	[Signature]
BOURQUE	✓ S	[Signature]	KING	✓ K	[Signature]
BROWN	L		KUNATH	E	
BULGARELLI	✓ S	[Signature]	LATIMER	✓ J	[Signature]
BURKE	✓ D	[Signature]	LEON	✓ R	[Signature]
BURNSIDE	✓ J	Jon Burns	LOPEZ	✓ J	[Signature]
BUSSEE	✓ K	[Signature]	MCCALL	✓ R	[Signature]
CHACON	R		MCDONALD	✓ J	[Signature]
CLARK-SPILLA	C		MCKENZIE	T	
CONTRERAS	✓ H	[Signature]	MALABICKY	✓ M	M. Malabicky
CRAWFORD	✓ J	J Crawford	MARGADONNA	✓ M	[Signature]
DIAZ	✓ R	[Signature]	MARION	A	
DICKINSON	✓ J	[Signature]	MEHAFFIE	D	
DOBOS	✓ G	[Signature]	MILLER	✓ D	[Signature]
DOMINGUEZ	✓ R	R. Dominguez	MOORE	✓ M	Mike Moore
EVERETT	✓ J	[Signature]	MORALES	✓ G	[Signature]
FAHERTY	✓ M	Met D. F.	MURDOCK	✓ J	[Signature]
GARRISON	D		NOVACK	✓ R	[Signature]
			O'BRIEN-ORTA	C	

Certificate of Completion

This is to certify that

Jorge Duran

Has Completed the required course of

California Environmental Protection Agency

Basic Inspector Academy

March 15-18, 2010

Riverside California



Cal EPA Enforcement Training Team





Certificate of Completion

This is to certify that

Michael Szarzynski

Has Completed the required course of
California Environmental Protection Agency
Basic Inspector Academy

March 15-18, 2010

Riverside California



Cal EPA Enforcement Training Team

Stormwater Compliance Construction Inspection

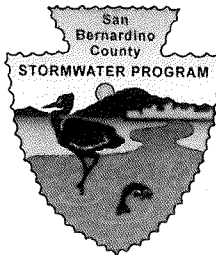
Certificate of Training

For successful training in the appropriate
selection, placement and maintenance of
General Construction Permit BMPs.

Presented to

Robert Lewis

Conducted on the 30th day of July, 2009

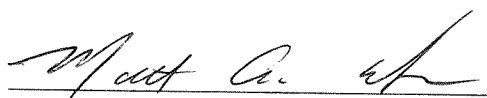


Training offered in conjunction with the listed vendors

Centex




Mike Harding, CPESC, Great Circle International


Matt Yeager, Manager, San Bernardino County Stormwater Program

Stormwater Compliance Construction Inspection

Certificate of Training

For successful training in the appropriate
selection, placement and maintenance of
General Construction Permit BMPs.

Presented to

Mike Anderson

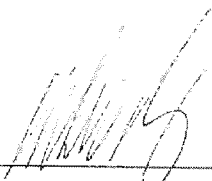
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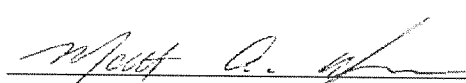


Training offered in conjunction with the listed vendors

**Inland Erosion
Control Inc.**




Mike Harding, CPESC, Great Circle International


Matt Yeager, Manager, San Bernardino County Stormwater Program

Centex



Stormwater Compliance Construction Inspection

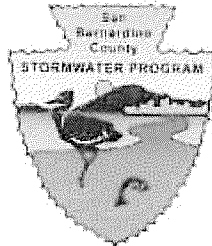
Certificate of Training

For successful training in the appropriate
selection, placement and maintenance of
General Construction Permit BMPs.

Presented to

Karla Luther

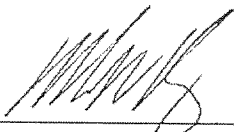
Conducted on the 30th day of July, 2009




Training offered in conjunction with the listed vendors

**Inland Erosion
Control Inc.**




Mike Harding, CPESC, Great Circle International


Matt Yeager, Manager, San Bernardino County Stormwater Program

Centex



Stormwater Compliance Construction Inspection

Certificate of Training

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selection, placement and maintenance of
General Construction Permit BMPs.

Presented to

Dave Cockrum

Conducted on the 30th day of July, 2009



Training offered in conjunction with the listed vendors



A handwritten signature in black ink, appearing to read "Mike Harding".

Mike Harding, CPESC, Great Circle International

A handwritten signature in black ink, appearing to read "Matt Yeager".

Matt Yeager, Manager, San Bernardino County Stormwater Program



Stormwater Compliance Construction Inspection

Certificate of Training

For successful training in the appropriate
selection, placement and maintenance of
General Construction Permit BMPs.

Presented to

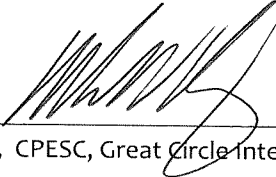
Lee Logsdon

Conducted on the 30th day of July, 2009



Training offered in conjunction with the listed vendors




Mike Harding, CPESC, Great Circle International


Matt Yeager, Manager, San Bernardino County Stormwater Program



Stormwater Compliance Construction Inspection

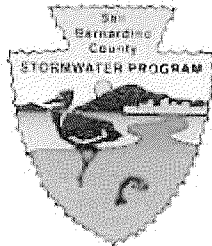
Certificate of Training

For successful training in the appropriate
selection, placement and maintenance of
General Construction Permit BMPs.

Presented to


Doug Mathews


Conducted on the 30th day of July, 2009



Training offered in conjunction with the listed vendors




Mike Harding, CPESC, Great Circle International


Matt Yeager, Manager, San Bernardino County Stormwater Program





City of Victorville

14343 Civic Drive
P.O. Box 5001
Victorville, California 92392-5001

PHONE 760.955.5000
FAX 760.955.5199
vville@ci.victorville.ca.us
<http://ci.victorville.ca.us>

Public Works Department
General Safety Meeting Agenda
Thursday, September 24, 2009
10:00 AM

- Welcome - Amer Jakher, Director Public Works

- Safety Presentation - (15-20 minutes)
 - Facilitator: Tim Jenkins
 - Topic: Municipal Storm Water Pollution Prevention
 - Video will be shown and cover below topics
 - (Video is 21 minutes – will cut opening credits, etc.)**
 - ✓ Good Housekeeping & Spill Prevention
 - ✓ Vehicle & Equipment Washing
 - ✓ Vehicle & Equipment Maintenance
 - ✓ Spill Reporting & Response
 - ✓ Street Maintenance
 - ✓ Outdoor Storage of Materials & Waste
 - ✓ Landscaping & Lawn Care

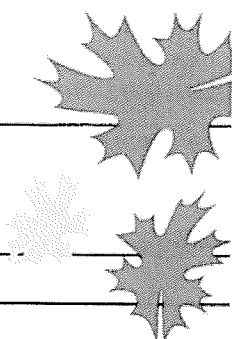
- Management Announcements – no more than 2 minutes each
 - Louie Rodriguez
 - Topic: Animal Control/Public Access/Birthdays

- Open Discussion

- Adjournment – 10:30 a.m.

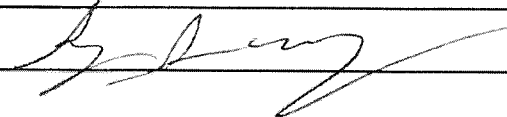
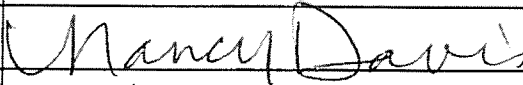
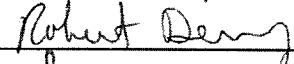
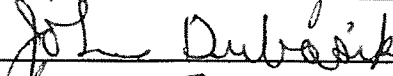
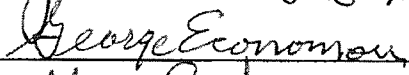
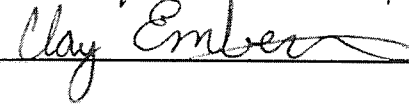
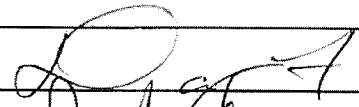
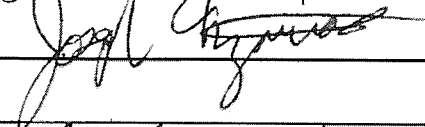
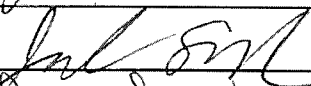

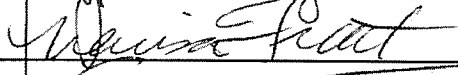
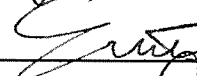
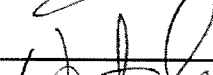





20 Add'l
That did not
Attend June 24
2010





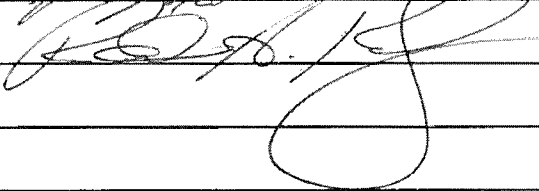
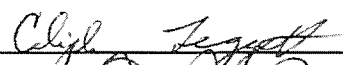


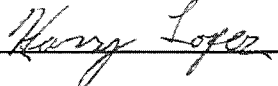
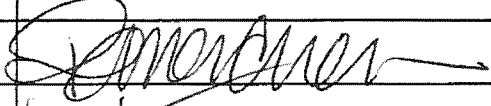


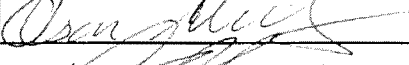

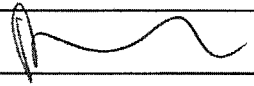
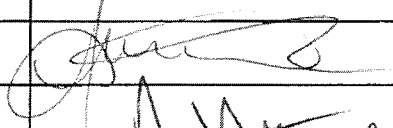
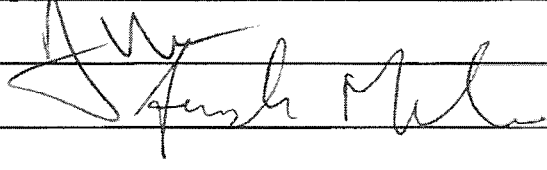
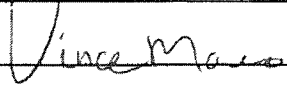
City of Victorville
Public Works Department
Safety Meeting - Sign-In Sheet


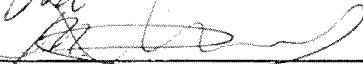


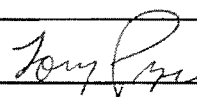
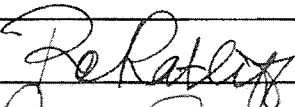
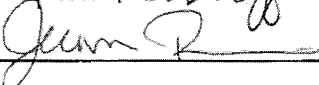

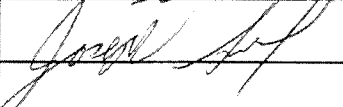






Date of meeting: **Thursday, September 24, 2009**
 Meeting led by: **Tim Jenkins**
 Items covered at meeting: **Municipal Storm Water Pollution Prevention**

EMPLOYEE	SIGNATURE
Abrego, Rudy	<i>Rudy Abrego</i>
Acevedo, Felix	
Alcala, Jose	<i>Jose Alcala</i>
Alvarado, Sammy	
Arellanes, Joshua	
Barajas, Guillermo	<i>Guillermo Barajas</i>
Becerra, Elizabeth	<i>Elizabeth Becerra</i>
Blakeley, James	
Boock, Michael	
Bracelly, Robby	<i>Robby Bracelly</i>
Bryan, Mark	
Burgan, Robert	<i>Robert Burgan</i>
Campbell, Wayne	
Carmody, Stacy	<i>Stacy Carmody</i>
Caracciolo, Noah	
Cathcart, Michael	<i>Michael Cathcart</i>
Cockrum, Dave	<i>Dave Cockrum</i>
Colver, Tony	
Contreras, Art	<i>Art Contreras</i>
Costello, Joe	<i>Joe Costello</i>
Crego, Michael	<i>Michael Crego</i>
Cruz, Alex	

Cruz, Sergio, Jr.	
Danner, Joe	
Davidson, Jenele	
Davis, Nancy	
Denny, Robert	
Dubasik, John	
Economou, George	
Emberson, Clayton	
Ewing, Larry	
Ezaki, Spencer	
Felix, Danny	
Fitzpatrick, Joseph	
Flores, Joe	
Foster, Justin	
Fraley, James	
Fratt, Marisa	
Garcia, Ernie	
Garcia, John	
Garcia, Vince	
Gerbitz, Pam	
Gomez, Bobby	
Gomez, Michelle	
Guerra, Jessica	
Guerrero, Daniel	
Hernandez, Abraham	
Hernandez, James	
Holguin, Hilario	

Holland, Kelley	
Jakher, Amer	
Jenkins, Tim	
Kale, Sparky	
Kelsey, Robert	
Lamphier, Richard	
Lawson, Chris	
Leggett, Caliph	
Little, Trisha	
Lopez, Alfonso	
Lopez, Harry	
Lopez, Steve	
Machorro, Rosemary	
Manriquez, Robert	
Martinez, Basilio	
Martinez, Oscar	
Massey, Dennis	
Mathews, Doug	
Mayo, Patrick	
McGinn, John	
Medina, Joey	
Millender, Joe	
Montes, Joshua	
Morales, Fernando	
Morales, Tom	
Moreno, Vince	
Mota, Luis	

Newell, Russ	
Nichols, Madonna	
O-Harper, Marquita	
Oros, Danny	
Owens, Richard	
Pizzo, Tony	
Punzo, Jesus	
Ratliff, Rosalinda	
Robinson, Juan	
Rodriquez, Louie	
Roybal, Manny	
Russo, Vince	
Schneider, Brian	
Smith, Arnold	
Sorensen, Rod	
Stevenson, David	
Swal, Joseph	
Tebbetts-Wallace, Roberta	
Torres, Macario	
Torres, Roque	
Tucker, Mitchell	
Turner, Louis	
Villagomez, Andy	
Wellborn, Dana	
Whitesides, Michael	
Zeltner-King, Erica	
Zigmont, Nathan	

3



City of Victorville

14343 Civic Drive
P.O. Box 5001
Victorville, California 92392-5001

PHONE 760.955.5000
FAX 760.955.5199
vville@ci.victorville.ca.us
<http://ci.victorville.ca.us>

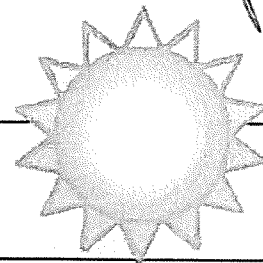
Public Works Department
General Safety Meeting Agenda
Thursday, June 24, 2010
7:00 AM

- Welcome - Amer Jakher, Director Public Works
- Safety Presentation - (15-20 minutes)
 - Facilitators: Mike Boock/Mitch Tucker
 - Topic: Storm Water Pollution Prevention
 - Video will be shown and cover below topics
(Video is 21 minutes – will cut opening credits, etc.)
 - ✓ Good Housekeeping
 - ✓ Materials Management
 - ✓ Vehicle Fueling & Maintenance
 - ✓ Outdoor Manufacturing
 - ✓ Preventive Maintenance
 - ✓ Waste Management
 - ✓ Dust Producing Processes
- Management Announcements
 - Louie Rodriguez/Joe Flores
 - Special Presentation
 - Public Works Day – Award presentations
 - Victorville VA Clinic Wish List – see attached
 - Morale Boosters
 - Birthday
- Open Discussion
- Adjournment – **7:30 AM**

66 at this
one

66
86 TOTAL

City of Victorville
 Public Works Department
 Safety Meeting - Sign-In Sheet







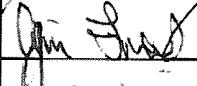

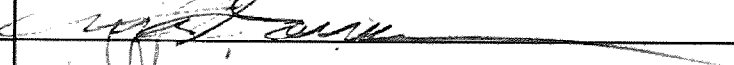


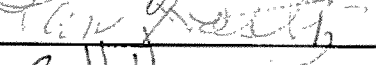



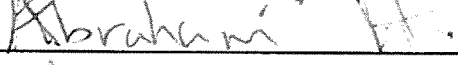


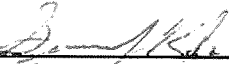
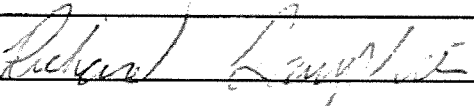

Date of meeting: 6/24/10
 Meeting led by: Mike Boock/Mitch Tucker
 Items covered at meeting: Storm Water Pollution Prevention: Storm Warnings

Good housekeeping, Materials Management, Vehicle Fueling & Maintenance, Outdoor Manufacturing & Preventive Maint.

EMPLOYEE	SIGNATURE
Abrego, Rudy	<i>Rudy Abrego</i>
Acevedo, Felix	<i>Felix Acevedo</i>
Alcala, Jose	
Arellanes, Joshua	<i>Joshua Arellanes</i>
Barajas, Guillermo	<i>Guillermo Barajas</i>
Becerra, Elizabeth	
Blakeley, James	<i>James Blakeley</i>
Boock, Michael	<i>Michael Boock</i>
Bracelly, Robby	
Bryan, Mark	<i>Mark Bryan</i>
Burgan, Robert	<i>Robert Burgan</i>
Caracciolo, Noah	<i>Noah Caracciolo</i>
Cathcart, Michael	<i>Michael Cathcart</i>
Cockrum, Dave	
Costello, Joe	<i>Joe Costello</i>
Crego, Michael	<i>Michael Crego</i>
Cruz, Alex	<i>Alex Cruz</i>
Cruz, Sergio, Jr.	<i>Sergio Cruz Jr.</i>
Danner, Joe	<i>Joe Danner</i>
Davidson, Jenele	<i>Jenele Davidson</i>
Denny, Robert	<i>Robert Denny</i>
Economou, George	<i>George Economou</i>

Boock, L

Christopher Ponce

Emberson, Clayton	
Ewing, Larry	
Ezaki, Spencer	
Felix, Danny	
Flores, Joe	
Foster, Justin	
Fraley, James	
Fratt, Marisa	
Garcia, Ernie	
Garcia, John	
Garcia, Vince	
Gerbitz, Pam	
Gomez, Bobby	
Gomez, Michelle	
Guerrero, Daniel	
Haines, Sandra	
Hernandez, Abraham	
Hernandez, James	
Holland, Kelley	
Jakher, Amer	
Jenkins, Tim	
Kale, Sparky	
Kelsey, Robert	
Lamphier, Richard	
Lawson, Chris	
Leggett, Caliph	
Lopez, Harry	

Lopez, Steve	<i>Spw</i>
Machorro, Rosemary	
Manriquez, Robert	<i>R</i>
Martinez, Basilio	<i>Basilio</i>
Martinez, Oscar	<i>Oscar</i>
Massey, Dennis	<i>D Massey</i>
Mathews, Doug	
Mayo, Patrick	<i>P Mayo</i>
McGinn, John	
Medina, Joey	<i>Joey Medina</i>
Millender, Joe	<i>Joe Millender</i>
Montes, Joshua	<i>JM</i>
Morales, Fernando	
Morales, Tom	
Mota, Luis	<i>Luis Mota</i>
Newell, Russ	<i>Russ</i>
Nichols, Madonna	<i>Madonna</i>
Ogilvie-Harper, Marquita	<i>Marquita</i>
Olvera, Yasmin	
Oros, Danny	<i>Danny</i>
Owens, Richard	
Pizzo, Tony	<i>Tony</i>
Punzo, Jesus	<i>JESUS Punzo</i>
Ratliff, Rosalinda	<i>Rosalinda</i>
Robinson, Juan	
Rodriquez, Louie	<i>Louie</i>
Roybal, Manny	

Russo, Vince	
Smith, Arnold	<i>Arnold Smith</i>
Stevenson, David	<i>David Stevenson</i>
Swal, Joseph	
Tebbetts-Wallace, Roberta	<i>Roberta Tebbetts-Wallace</i>
Torres, Macario	<i>Macario Torres</i>
Torres, Roque	
Tucker, Mitchell	<i>Mitchell Tucker</i>
Turner, Louis	<i>Louis Turner</i>
Villagomez, Andy	<i>Andy Villagomez</i>
Villegas, Nancy	<i>Nancy Villegas</i>
Wellborn, Dana	<i>Dana Wellborn</i>
Whitesides, Michael	<i>Michael Whitesides</i>
Zeltner-King, Erica	<i>Erica Zeltner-King</i>

COMPLIANCE ALLIANCE WORKSHOP

General Construction Permit Today and Tomorrow



Thursday, July 30, 2009

A training seminar has been scheduled, which will cover issues relevant to stormwater BMP inspections required by the General Construction Permit. The seminar includes training modules at an actual construction site, as well as classroom instruction and discussion following the field session.

Field Demonstration – 9:00 to 11:00 am at The Lakes at Menifee

Lunch Provided – 11:45 to 12:30 pm at Centex Homes Training Room (Corona)

Classroom Training – 12:45 – 2:00 pm at Centex Homes Training Room

- There is no charge for this training.
- Registration is limited and must be submitted **on or before** July 27, 2009. Please register your attendees (name, agency, phone and e-mail) with Janet Dietzman by phone (909) 387-8116 or e-mail jdietzman@dpw.sbcounty.gov. You must have a reservation to attend.
- Driving directions will be provided with a confirmation e-mail.
- A limited number of vanpool seats will be available, on a first come first serve basis, from the Public Works Building in San Bernardino. Please indicate if you wish to utilize the vanpool when you register.

This training is a cooperative effort of the following agencies and vendors:

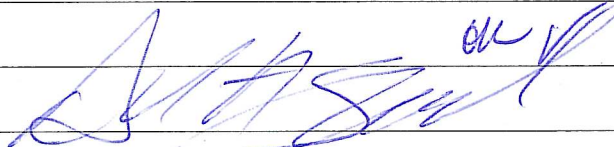

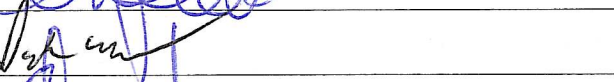



Centex



Compliance Alliance Workshop

July 30, 2009

	Name	Agency	Phone	e-mail	Signature
1	Aftab Hussain	Colton	(909) 514-4209	RTorres@ci.colton.ca.us	
2	Alfredo Martinez	Riverside County Trans	(951) 955 - 5996	CSantiag@rctlma.org	 OK ✓
3	Andrea Saavedra	Highland	(909) 864-8732 x 271	asaavedra@cityofhighland.org	
4	Andy Huynh	Riverside County Trans	(951) 955 - 5996	CSantiag@rctlma.org	
5	Andy Zummo	Chino Hills	(909) 364-2722	azummo@chinohills.org	 OK ✓
6	Benjie Cho	Riverside County Trans	(951) 955 - 5996	CSantiag@rctlma.org	 OK ✓
7	Bob Evans	San Bernardino County	909-823-8811	revans@dpw.sbcounty.gov	 OK ✓
8	Brianna Bergen	Lahontan RWQCB	760-241-7305	bbergen@waterboards.ca.gov	
9	Bruce Nelson	San Bernardino County	909-338-2140	bnelson@dpw.sbcounty.gov	
10	Carlos Picasso	Chino Hills	(909) 364-2722	jpicasso@chinohills.org	
11	Cesar Tolentino	Riverside County Trans	(951) 955 - 5996	CSantiag@rctlma.org	
12	Chandra Santiago	Riverside County TMLA	(951) 955 - 5996	CSantiag@rctlma.org	
13	Curtis Cook	Hesperia	(760) 947-1437	ccook@cityofhesperia.us	
14	Dave Cockrum	Victorville	(760) 955-5132	dcockrum@ci.victorville.ca.us	
15	Don Allinder	Chino	(909) 591-9850	dallinder@cityofchino.org	
16	Doug Mathews	Victorville	(760) 955-5132	dmathews@ci.victorville.ca.us	
17	Dwight Woodward	Chino Hills	(909) 364-2722	dwoodward@chinohills.org	
18	Ed Varga	San Bernardino County	909-387-8132	evarga@dpw.sbcounty.gov	
19	Elias Severo	San Bernardino County	909-387-8103	esevero@dpw.sbcounty.gov	
20	George Herold	Highland	(909) 864-8732	gherold@cityofhighland.org	

Compliance Alliance Workshop
July 30, 2009

	Name	Agency	Phone	e-mail	Signature
21	Hank Gonzales	Rialto	(909) 421-7247	hgonzales@rialto.ca.gov	
22	Isaias Gomez	San Bernardino County	(909) 336-7509	igomez@dpw.sbcounty.gov	
23	James Neilson	Apple Valley	(760) 240-7000 x7015	jneilson@applevalley.org	
24	Jan Zimmerman	Lahontan RWQCB	760-241-7376	jzimmerman@waterboards.ca.gov	
25	Janet Dietzman	SBCFCD	909-387-8116	jdietzman@dpw.sbcounty.gov	
26	Jarrod Gibbon	San Bernardino (City)	(909) 384-5154	Gibbon_Ja@sbcity.org	
27	Jeff Bohlander	Chino Hills	(909) 364-2722	Jbohlander@chinohills.org	
28	Jeff Sinclair	San Bernardino County		jsinclair@lusd.sbcounty.gov	
29	Jim Diaz	Montclair	(909) 625-9442	Jdiaz@ci.montclair.ca.us	
30	Jinghui Bradley	San Bernardino County	760-843-4367	jbradley@dpw.sbcounty.gov	
31	John Ashlock	Riverside County Trans	(951) 955 - 5996	CSantiag@rctlma.org	
32	John Latsko	San Bernardino County	909-387-8071	jlatsko@dpw.sbcounty.gov	
33	Jorge Caballero	Riverside County TMLA	(951) 955 - 5996	CSantiag@rctlma.org	
34	Jose Quintero	Rialto	(909) 421-4942	jquintero@rialto.ca.gov	
35	Jude Abeto	Colton	(909) 514-4209	RTorres@ci.colton.ca.us	
36	Karla Luther	Victorville	(760) 955-5132	kluther@ci.victorville.ca.us	
37	Kenneth Le	San Bernardino County	909-387-8038	kle@dpw.sbcounty.gov	
38	Koi Do	Chino	(909) 464-8366	kdo@cityofchino.org	
39	Lane Quade	San Bernardino (City)	(909) 384-5557	Quade_La@sbcity.org	
40	Lee Logsdon	Victorville	(760) 955-2782	llogsdon@ci.victorville.ca.us	

Compliance Alliance Workshop

July 30, 2009

	Name	Agency	Phone	e-mail	Signature
41	Lee Marshall	Highland	(909) 864-8732	Lmarshall@cityofhighland.org	
42	Les Howitt	Highland	(909) 864-8732	lhowitt@cityofhighland.org	
43	Luis Guardado	San Bernardino County	(760) 241-7691	lguardado@lusc.sbcounty.gov	
44	Manny Martinez	SBCFCD	909-387-8118	mmartinez@dpw.sbcounty.gov	
45	Marc Conway	San Bernardino County		mconway@lusc.sbcounty.gov	
46	Maritza Tapia	Colton	(909) 970-5065	mtapia@ci.colton.ca.us	
47	Mark Torres	Chino Hills	(909) 364-2722	mtorres@chinohills.org	
48	Matt Wirz	Grand Terrace	(909) 430-2217	mwirz@cityofgrandterrace.org	
49	Michael Pool	Redlands	(909) 798-7518	mpool@cityofredlands.org	
50	Mike Anderson	Victorville	(760) 955-5132	manderson@ci.victorville.ca.us	
51	Mike Moore	Rancho Cucamonga	(909) 477-2740 x 4063	mike.moore@cityofrc.us	
52	Mike Roberts	Montclair	(909) 721-1780	mroberts@ci.montclair.ca.us	
53	Phil Broesamle	Riverside County TMLA	(951) 955 - 5996	CSantiag@rctlma.org	
54	Poppy Crandall	San Bernardino County	(760) 241-7691	pcrandall@lusc.sbcounty.gov	
55	Raul Briseno	San Bernardino County	909-387-8140	rbriseno@dpw.sbcounty.gov	
56	Raymond Lee	Ontario	(909) 395-2104	rllee@ci.ontario.ca.us	
57	Reggie Torres	Colton	(909) 514-4209	RTorres@ci.colton.ca.us	
58	Richard McDowell	San Bernardino County	909) 855-8907	rmcdowell@dpw.sbcounty.gov	
59	Robert Herbster	Upland	(909) 931-4267	rherbster@ci.upland.ca.us	
60	Robert Lewis	Victorville	(760) 955-6316	rlewis@ci.victorville.ca.us	

Compliance Alliance Workshop

July 30, 2009

	Name	Agency	Phone	e-mail	Signature
61	Ron Vandergoot	SBCFCD	909-387-8118	rvandergoot@dpw.sbcounty.gov	<i>R. Vandergoot</i>
62	Ruben Valdez	Chino	(909) 464-0744	rvaldez@cityofchino.org	<i>Rub Valdez</i>
63	Ruben Vasquez	Chino	(909) 591-9899	rvasquez@cityofchino.org	<i>Rub Vasquez</i>
64	Rusel Baker	Riverside County TMLA	(951) 955 - 5996	CSantiago@rctlma.org	<i>Rusel Baker</i>
65	Ryan Brown	San Bernardino County	909-387-7920	rbrown@dpw.sbcounty.gov	<i>Ryan Brown</i>
66	Sam Gonzalez	Riverside County TMLA	(951) 955 - 5996	CSantiago@rctlma.org	<i>Sam Gonzalez</i>
67	Sameh Basta	San Bernardino County	760-843-3464	sbasta@dpw.sbcounty.gov	<i>Sameh Basta</i>
68	Scott Proffitt	San Bernardino County	(760) 241-7691	rwendler@lusd.sbcounty.gov	<i>Scott Proffitt</i>
69	Scott Rapp	Rancho Cucamonga	(909) 477-2740 x 4064	Scott.Rapp@cityofrc.us	<i>Scott Rapp</i>
70	Tad Garrety	Chino Hills	(909) 364-2722	tgarrety@chinohills.org	<i>Tad Garrety</i> <i>dkv</i>
71	Thom Sharp	San Bernardino County		tsharp@lusd.sbcounty.gov	<i>Thom Sharp</i>
72	Thomas Guymon	Upland	(909) 931-4370	tguymon@ci.upland.ca.us	<i>Thomas Guymon</i>
73	Todd Bilo	Riverside County TMLA	(951) 955 - 5996	CSantiago@rctlma.org	<i>Todd Bilo</i>
74	Tom Crowell	San Bernardino County		tcrowell@lusd.sbcounty.gov	<i>Tom Crowell</i>
75	William Brown	San Bernardino County	909-556-7182	wbrown@dpw.sbcounty.gov	<i>W. Brown</i>
✓ 76	Jerry Barragan	Chino Hills	364-2846	jbarragan@chinohills.org	<i>Jerry Barragan</i>
✓ 77	Ozzie Lopez	Chino Hills	(909) 573-439	Olopez@chinohills.org	<i>Ozzie Lopez</i>
78	Rob Corbin	CENTEX	951-479-9313	rob.corbin@centex.com	<i>Rob Corbin</i>
79	STEVE HARDEN	CENTEX	260-5353271		<i>Steve Harden</i>
80	DAVE MELLO	CENTEX	951 538-8629		<i>Dave Mello</i>

Compliance Alliance Workshop

July 30, 2009

	Name	Agency	Phone	e-mail	Signature
OK	81 Andy Zummo	Chino Hills	909 573-4343		
OK	82 Tad Garvey	Chino Hills	909 573-4347	tgarvey@yahoo.com	
OK	83 John Ashlock	RIVERSIDE COUNTY TRANS	951 955-1511	JASHLOCK@RCTLMA.ORG	
OK	84 Bob Evans	SBCOUNTY	909-823-8811	REEVANS@DPW.SBCOUNTY.GOV	
OK	85 Benjie Cho	RIV. CO Transportation	951-955-1691	bcho@retlma.org	
OK	86 Alfredo Martin	" "	951 955 0086	AlMartin@retlma.org	
✓	87 Don Ilkay	SBCo.	909.357-8114	dilkay@dpw.sbcounty.gov	
✓	88 VICTOR ORTIZ	COLTON P.W	(919)514 4210	VORTIZ@CI.COLTON.CA.GOV	
	89 Steve Moffat	Centex Homes			
	90 Teresa Kennedy	Centex Home			
	91 Lance Clements	Centex Homes			
	92 Chad Busman	Inland Erosion	909 301 8334		
	93 James Wilson	INLAND EROSION	951-301-8334		
	94 Gabe Ramirez	IE			
	95 Andrew McGann	EARTHSAVERS	916-340-5859		
	96 Adrian Ramirez	Inland Erosion	951-712-6122		
	97 Fernando Ramirez	Inland Erosion	951-634-6273		
	98 James DePasquale	Centex			
	99 DePasquale				
	100				

“FIRE & RAIN”

CHUCK & MIKE’S EXCELLENT ADVENTURES in Planning for Post-Fire Remediation



If you live or work in Southern California, you know that hot, dry winds blow from the desert in a phenomenon known as Santa Ana conditions. Strong, shifting and westward blowing, these winds - when combined with high temperatures, low humidity and drought - create the perfect condition for fast spreading, uncontrollable fires.

Wildfires generally occur throughout the year in California but their impacts are exacerbated in the fall by the onset of the rainy season, when fire-loss of vegetation increases the potential for erosion, debris flows, runoff and flooding hazards.

Since the East Bay Firestorm in 1991, Chuck Austin and Mike Harding have assisted in the planning and implementation of post-fire remediation efforts for more than 35 fire incidents across the country and overseas, including the most recent 2007 fire season in which wildfires burned over 370,000 acres in San Diego County alone.

The opportunity for you to learn from their experience – and from an esteemed group colleagues that they work with - is being offered in a unique classroom and hands-on field setting this October at locations across Southern California... **and is free of charge.**

WHAT YOU WILL LEARN...

The Money Tree: How Post-Fire Emergency Remediation gets Funded:

- Roles and responsibilities of local, state and federal agencies
- CA Office of Emergency Services
- FEMA/Homeland Security
- NRCS/Emergency Watershed Program
- USFS/Burned Area Emergency Rehabilitation
- FHWA/Roadside re-vegetation and erosion control
- Other programs

Evaluation and Assessment of Hazards:

- Identification of hazards and potential impacts
- Immediate actions
- Homeowner and public programs
- Resources available
- Process and estimation
- Incremental planning and implementation
- Selection of Best Management Practices (BMPs)
- To seed or not to seed
- Economic defensibility

Implementation and Mitigation:

- Labor and Materials
- Contracting
- Logistics
- Accounting
- Follow-up and as-built

Field Practicum:

- Hazard assessment and identification of risks
- Dust Palliatives
- Inlet protection
- Three-step straw mulching practice
- Rolled Erosion Control Products (RECPs)
- Fiber rolls and Slope Interruption Devices (SIDs)
- Check Structures and Barriers
- Hydraulic applications (mulches, matrices and media)

“FIRE & RAIN”

Schedule of Activities

0730-0800	Registration and distribution of class materials
0800-0830	Introduction and overview
0830-0930	How Post-Fire Remediation Gets Funded
0930-0945	Break
0945-1100	Evaluation and Assessment of Hazards
1100-1200	Implementation and Mitigation
1200-1300	Lunch
1300-1330	Travel to Field Site
1330-1630	Field Practicum <ul style="list-style-type: none">• Dust Palliatives• Inlet protection• Three-step straw mulching practice• Rolled Erosion Control Products (RECPs)• Fiber rolls and Slope Interruption Devices (SIDs)• Check Structures and Barriers• Hydraulic applications (mulches, matrices and media)

REGISTRATION

(Deadline October 1, 2009)

NAME

COMPANY

ADDRESS

PHONE

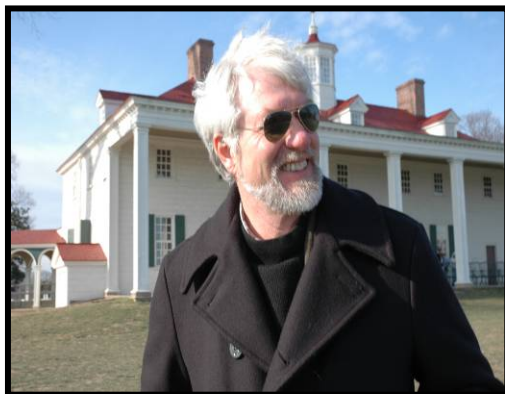
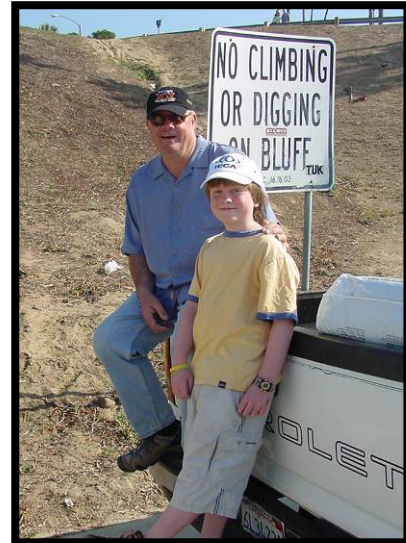
EMAIL

____ October 12, 2009 San Diego County ____ October 15, 2009 Orange County

____ October 14, 2009 San Bernardino ____ October 20, 2009 Ventura/Santa Barbara

Our Faculty....

Chuck Austin has been a member of the IECA since 1983 and has been the contractors' advocate in that organization throughout his involvement. He has conducted several programs for the IECA on machinery and material usage by contractors. He was the Chairman of the Standards Committee A involving Mulches, Tackifiers and Soil Amendments for several years. He helped develop and organize the Mountain States Chapter of the IECA, and has remained active with the High Altitude Revegetation organization. Chuck is a member of the Colorado Association of Golf Course Superintendents, Colorado Association of Lawn Care Professionals and Associated Landscape Contractors of Colorado. Chuck was Field Operations Manager for the Southern California (1993) and San Diego County 2003-07 wildfire remediation efforts.



Mike Harding is one of the leading technical experts in the erosion control industry. A graduate from Purdue University, Michael has over 30 years experience in erosion and sediment control, resource management, mined land reclamation, wildlife habitat development, and nonpoint source pollution control both in the United States and overseas. Mike played a key role in the emergency soil stabilization efforts following the 1991 Oakland firestorm, 1993 Southern California fires and the 2003-07 San Diego County/City Fires. His efforts focused on leadership, financial assistance and technical guidance in the form of post-fire hazard assessment, design of mitigation strategies, and oversight of extensive mitigation implementation efforts before the onset of winter rains. Mike specializes in the evaluation, research, development, and application of cost-effective erosion control materials and techniques, and is the co-designer and past director of the San Diego State University Soil Erosion Research Laboratory. He is a past President of the International Erosion Control Association (IECA) and Expedition Leader for the Flight of Discovery.

For additional information contact:

Chuck Austin (303.588.8401) or Mike Harding (619.379.5116)

Great Circle International, Inc.

P.O. Box 24 Hygiene, CO 80533-0024

1202 Novara Street San Diego, CA 92107

Tel: 303.772.4372 Fax: 303.772.4349 email: gci@mesanetworks.net

Please Print Clearly!

This list will be used to confirm your attendance.

Class : FIRE & RAIN
 Planning for Post-Fire Remediation
 Instructors: Mike Harding
 Chuck Austin

Date: 10/14/2009 Time: 7:30 am -4:30 pm
 Location: 825 E. Third Street, Hearing Room
 San Bernardino, CA 92415

Name (Please Print Clearly)	Signature	City / Department	Phone	e-mail Address
1 Peterson Jeff	<i>Jeff Peterson</i>	City of Loma Linda	(909) 799-4405	jpeterson@lomalinda.ca.gov
2 Rubacalva Eleazar		City of Loma Linda		
3 Baca Chris		City of Loma Linda		
4 Frenkey Steve	<i>Steve Frenkey</i>	City of Yucaipa		sfrenken@earthlink.net
5 Woodward Dwight	<i>Dwight Woodward</i>	City of Chino Hills		dwoodward@chinohill.org
6 Martin Luther	<i>Luther Martin</i>	City of Chino Hills		
7 Garrety Tad		City of Chino Hills	(909) 364-2722	
8 Plascencia Pedro		Tri Axial Development		pedro@triaxialdevelopment.com
9 Lam Hoa	<i>Hoa Lam</i>	S.B.CO. Public Works/Land Development	(909) 387-8149	hlam@dpw.sbcounty.gov
10 Basta Sameh		S.B.CO. Public Works/Land Development	(909) 387-8149	sbasta@dpw.sbcounty.gov
11 Pham Anthony	<i>Anthony Pham</i>	S.B.CO. Public Works/Land Development	(909) 387-8149	apham@dpw.sbcounty.gov
12 Bradley Jinghui		S.B.CO. Public Works/Land Development	(909) 387-8149	ibradley@dpw.sbcounty.gov
13 Kim Gia		S.B.CO. Public Works/Land Development	(909) 387-8149	gkim@dpw.sbcounty.gov
14 Niknafs David	<i>David Niknafs</i>	S.B.CO. Public Works/Land Development		dniknafs@dpw.sbcounty.gov
15 Ilkay Dan	<i>Dan Ilkay</i>	S.B.CO. Public Works/EMD	(909) 3878119	dilkay@dpw.sbcounty.gov
16 Varga Ed	<i>Ed Varga</i>	S.B.CO. Public Works/EMD	(909) 387-8109	evarga@dpw.sbcounty.gov
17 Severo Elias	<i>Elias Severo</i>	S.B.CO. Public Works/EMD	(909) 387-8109	esevero@dpw.sbcounty.gov
18 Le Kenneth	<i>Kenneth Le</i>	S.B.CO. Public Works/EMD	(909) 387-8109	kle@dpw.sbcounty.gov
19 Briseno Raul	<i>Raul Briseno</i>	S.B.CO. Public Works/EMD	(909) 387-8109	rbrisen@dpw.sbcounty.gov
20 Moore Mike	<i>Mike Moore</i>	City of Rancho Cucamonga	(909) 477-2740	michael.moore@cityofrc.us
21 Rapp Scott	<i>Scott Rapp</i>	City of Rancho Cucamonga	(909) 477-2740	scott.rapp@cityofrc.us
22 Gibbon Jarrod		City of San Bernardino	(909) 384-5111	gibbon_la@sbcity.org
23 Quade Lane	<i>Lane Quade</i>	City of San Bernardino		quade_la@sbcity.org
24 Wisdom Stanley		County of San Bernardino		swisdom@lvsd.sbcounty.gov
25 Sharp Thomas		San Bernardino County Building & Safety		sharp.thomas@lvsd.sbcounty.gov
26 Randall Harmon	<i>Harmon Randall</i>	San Bernardino County Building & Safety		hrandall@lvsd.sbcounty.gov
27 Cordaro Joe		San Bernardino Sheriff Department		jcordaro@sbcasd.org
28 Basubas Ed		City of Lake Elsinore, Engineering Dept		ebasubas@lake-elsinore.org
29 Zimmerman Jan	<i>Jan Zimmerman</i>	Lahontan Regional Water Quality Control Board		zimmerman@waterboards.ca.gov
30 Nguyen Nam	<i>Nam Nguyen</i>	Region 8 Water Quality Board	951-321-4582	nnguyen@waterboards.ca.gov
31 Miller David	<i>David Miller</i>	Greenscent Hills	951-321-4582	
32 Arellano Camilo		Caltrans District 8		camilo_arellano@dot.ca.gov
33 Nakano Alan	<i>Alan Nakano</i>	Caltrans		alan_nakano@dot.ca.gov
34 Pan William	<i>William Pan</i>	Caltrans		william_pan@dot.ca.gov
35 Kuo Chuango	<i>Chuango Kuo</i>	Caltrans District 8		will_ch_kuo@dot.ca.gov
36 Schneider Anne	<i>Anne Schneider</i>	Wildan		aschneider@willdan.com
37 Marshall Lee		City of Highland		
38 Brown Larry		Calimesa		
39 Gibson Scott		Canyon Lake		
40 Torres Reggie		City of Colton		
Magallanes Steven		CALTRANS	909 383 6215	STEVEN_MAGALLANES

BERLIN BRUCE
 GODINEZ RAMON
 Graham DOUG
 Chibbas Kurt

Profile Products LLC
 Profile

S/S SEEDS
 EARTHSAVERS Erosion Ctrl 530 662-7700 ramon@earth-savers.com
 (303) 919 6693 dgraham@profileproducts.com
 (916) 772-6211 KChibbas@profileprod.com

STAFFING SHEET

"STORMWATER PERMIT REQUIREMENTS"

STORMWATER POLLUTION PREVENTION TRAINING 1/11/2010

<u>NAME</u>	<u>TITLE</u>	<u>EMAIL</u>
JOHN BEEK PWA Manager	Park Planner III - Chief of Planning	jbek@parks.sbcounty.gov jbeek@parks.sbcounty.gov
DAN I KAY	Stormwater Pgm Mgr.	dikay@spw.sbcounty.gov
SIM CANADAY	Park Planner 3	scanday@parks.sbcounty.gov
TROY BURTON	Staff Analyst II	TBURTON@PARKS.SBCOUNTY.CAL.
BRYAN BARTHOLOMEW	Park Planner II	BBARTHOLMEW@PARKS.SBCOUNTY.CAL.

SAN BERNARDINO COUNTY STORMWATER PROGRAM PRESENTS



CESSWI REVIEW COURSE AND EXAM (Certified Erosion, Sediment and Storm Water Inspector)

June 7, 2010 (Exam on: June 8, 2010)

The Certified Erosion, Sediment and Storm Water Inspector Certification Program (CESSWI) was created by EnviroCert International, Inc. (formerly CPESC, Inc.) in conjunction with an international oversight committee of erosion and sediment control, and storm water management professionals, and is being delivered by an Approved Instructor from AEI-CASC Consulting.

A UNIQUE PROGRAM

CESSWI Registrants must understand the minimum requirements for the US EPA National Pollutant Discharge Elimination System (NPDES) storm water permit program and/or Canada's Department of Fisheries and Oceans Requirements.

Registrants must demonstrate proficiencies in Site Safety, Communication, Documentation, Inspector Duties, and Plan Management. Additionally, registrants must possess a full understanding of the following aspects of Best Management Practices (BMPs): Purpose, Objective, Targeted Pollutants, Applications, Limitations, Implementation Considerations, Inspection Criteria, and Maintenance.

CESSWI APPLICATION PROCESS

Possible candidates must submit their application and required fees at least 45 days prior to the exam. It is strongly recommended that the application be submitted to EnviroCert International, Inc. by April 15, 2010 or shortly thereafter. **Approval by EnviroCert is required to sit for the exam. For more information, to see the experience and education requirements or to obtain an application, please visit: www.cesswi.org.**

A NEW INDUSTRY STANDARD

CESSWI's are being recognized throughout the United States and Canada as individuals who have demonstrated the minimum proficiencies needed to inspect construction and post-construction Management Practices. Specific state requirements may be added to the certification process.

For information on the benefits and process for certification, see www.envirocertintl.org and California NPDES adopted General Permit http://www.waterboards.ca.gov/water_issues/programs/stormwater/constpermits.shtml

WHEN

Review: June 7, 2010
8:00 a.m.—5:00 p.m.

* Lunch to be provided

Exam: June 8, 2010
8:00 a.m.

WHERE

San Bernardino Public
Employee Association
433 N. Sierra Way
San Bernardino, CA 92402

REGISTRATION CONTACT

Raul Briseno
rbriseno@dpw.sbcounty.gov

REGISTRATION DEADLINE

April 12, 2010

Each co-permittee has been allotted two spaces for registration. Should you need to exceed your two allotted spaces, please include those names in your e-mail and they will be placed on a waiting list. Once the registration has closed, the waiting list will be used to fill any extra spaces. After all 45 seats have been filled, those still on the waiting list will be notified and the cost to attend will be \$100 per person paid directly to AEI-CASC.

THINK AEI-CASC

County of San Bernardino, Stormwater Program

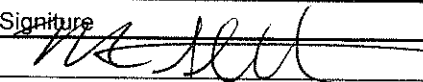
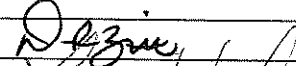
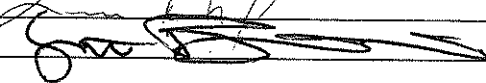

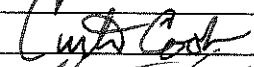

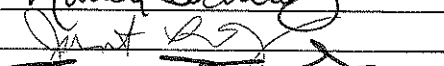
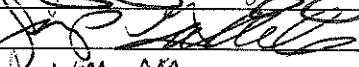

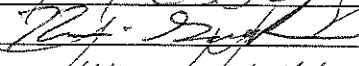
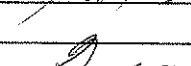





Class: CESSWI Review and Exam Training

Date: June 7th, 2010

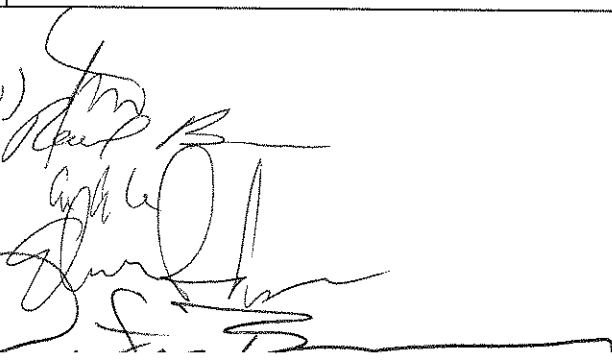
Instructors: AEI CASC

Location: San Bernardino

Time: 8:00 AM -5:00 PM

	Name (Please Print Clearly)	City/ Department	Taking exam	Signature
1	Abbott Mark	City of Apple Valley	N	
2	Babbitt Harry	City of Big Bear		
3	Bittle Drew	Ale. Green	Y	
4	Brock Larry	SBCFCD	N	
5	Bruckner Scott	City of Fontana	NO	
6	Castillo Noel	City of Fontana		
7	Chamberlain Darin	City of Victorville	NO	
8	Coapstick Nathan	City of Adelanto		
9	Cook Curtis	City of Hesperia	NO	
10	Cortez Matt	SBCFCD		
11	Cylwik Joe	City of Big Bear	YES	
12	Dacumos Nancy	City of Fontana	NO	
13	Dietzman Jannette	SBCFCD	NO	
14	Fritz Terry	City of Redlands	NO	
15	Gallardo Joe	SBCFCD	N	
16	Gibbon Jarrod	City of San Bernardino	Y	
17	Godfredsen Jim	City of Highland		
18	Gonzalez Tony	City of Upland		
19	Goodwin Kevin	City of Redlands	N	
20	Gregory Terry	City of Apple Valley	Y	
21	Hernandez Ron	City of Chino		
22	Herold George	City of Highland	Y	
23	Jarvinen Clay	City of Fontana		
24	LaRose John	City of Yucaipa		
25	Lopez Juan	Sierra Landscape		

UYCHOCDE EMMANUEL COUNTY OF SAN BERNARDINO (N)
 BRISENO, RAUL CO. OF SB. (N)
 LE, KENNETH Co. of SB (N)
 VARGA, ED Co of SB. (N)
 PARKER Dexter Co. of S.B. (N)



County of San Bernardino, Stormwater Program

Name (Please Print Clearly)			City/ Department	Taking exam	Signature
26	Manuel	Jarred	City of Chino Hill	✓	
27	Martin	Micah	City of Fontana		
28	Martinez	Saul	City of Upland	✓	
29	Mayer	Danny	County of San Bernardino		
30	McDowell	Richard	County of San Bernardino		
31	Mecham	Brad	SBCFCD	✓	
32	Montgomery	John	City of Ontario	✓	
33	Moore	Mike	City of Rancho Cucamonga	✓	
34	Morgan	Melissa	City of Highland		
35	Oaxaca	Richard	City of Fontana		
36	Oubre	Ken	City of Ontario		
37	Peterson	Jeff	City of Loma Linda	No	
38	Plasencia	Jesus	City of Chino	No	
39	Quintero	Jose	City of Rialto	No	
40	Roberts	Mike	City of Montclair	No	
41	Romero	Sal	City of Fontana	YES	
42	Rosales	Joe	City of Montclair	No	
43	Rubalcalva	Eleazar	City of Loma Linda	NI	
44	Saavedra	Andrea	City of Highland		
45	Seal	Mike	City of Yucaipa	No	
46	Shepardson	Jennifer	City of San Bernardino	YES	
47	Simmons	Andrew	City of Big Bear		
48	So	Wilson	City of Adelanto		
49	Torres	Reggie	City of Colton	YES	
50	Trejo	Tony	City of Upland		
51	White	Larry	County of San Bernardino		
52	White	Jim	City of Victorville		
53	White	John	City of Hesperia		
54	Wirz	Matt	City of Grand Terrece		
55	Zolfaghari	Paul	City of Rialto	✓	
56	Zummo	Andy	City of Chino Hill	✓	

Don Ikey Co. of SB

CASQA Construction BMP Handbook Web Portal Training
COUNTY OF SAN BERNARDINO - DEPARTMENT OF PUBLIC WORKS
EMPLOYEE ATTENDANCE ROSTER

1	ALI	MOHAMMAD	TRANSPORTATION DESIGN
2	AL-RAYES	NIDHAM	CONTRACTS
3	ARSUA	POL	TRANSPORTATION DESIGN
4	BASHIR	SANA	TRANSPORTATION DESIGN
5	BASTA	SAMEH	LAND DEVELOPMENT
6	BROWN	WILLIAM	CONTRACTS
7	BRUNSON	CLAUDIA	TRANSPORTATION DESIGN
8	BUNCH	DAVID	FC ENGINEERING
9	BUSUEGO	ELIAS	FC ENGINEERING
10	CHO	RICHARD	COMPUTER SERVICES
11	DOMINGO	RUBEN	TRANSPORTATION DESIGN
12	EGLE	PATRICK	SWMD
13	ESTEPHAN	MERVAT	FC ENGINEERING
14	FAM	MICHAEL	FC ENGINEERING
15	FLASHER	JOHN	TRANSPORTATION DESIGN
16	FRANCES	OSAMA	CONTRACTS
17	HALE	CHRIS	TRANSPORTATION DESIGN
18	HARGROVE	ELLIE	TRANSPORTATION DESIGN
19	HARTMANN	RANDY	FC PLANNING
20	HURSE	ERMA	SWMD
21	LAM	HOA	FC ENGINEERING
22	LAZO	JOEL	TRANSPORTATION DESIGN
23	LE	KENNETH	EMD
24	LOVELL	DAVID	FC ENGINEERING
25	MIKHAIL	MERVAT	FC ENGINEERING
26	NGUYEN	CHRIS	TRANSPORTATION DESIGN
27	NICDAO	DELLAN	FC ENGINEERING
28	PARKER	DEXTER	EMD
29	RANOSA	EMIL	TRANSPORTATION DESIGN
30	SADEK	MONA	FC PLANNING
31	SAED	CHRIS	TRANSPORTATION DESIGN
32	SANSONETTI	NANCY	SWMD
33	SILAO	ANDY	TRANSPORTATION DESIGN
34	SMITH	JON	FC ENGINEERING
35	UYCHOCDE	EMMANUEL	CONTRACTS
36	VARGA	EDUARD	EMD

WEBCAST – CASQA BMP WEB PORTAL: TOOLS FOR
COMPLYING WITH THE NEW CONSTRUCTION GENERAL PERMIT



WEBINAR

Wednesday, June 23, 2010 AT 1:30 P.M.

COUNTY OF SAN BERNARDINO

DEPARTMENT OF PUBLIC WORKS

825 E. THIRD STREET, HEARING ROOM

SIGN-IN SHEET

Mohammad Ali	Trans-Design	
Nicham Al-Rayer	Contracts	
OSAMA FRANCIS	CONTRACTS	
JOHN FLASHER	TRANS DESIGN	
Mewat Mikhail	FCD	
Jon Smith	FCD Design	
ELIAS A. BUSUEGO	FCD REVIEW	

WEBCAST - CASQA BMP WEB PORTAL: TOOLS FOR
COMPLYING WITH THE NEW CONSTRUCTION GENERAL PERMIT



WEBINAR

Wednesday, June 23, 2010 AT 1:30 P.M.

COUNTY OF SAN BERNARDINO

DEPARTMENT OF PUBLIC WORKS

825 E. THIRD STREET, HEARING ROOM

SIGN-IN SHEET

Michael Fam	Tech IV V	FC division
Dexter Trade	Tech IV	FMD
ERMA Hurse	Sw m D	
Sana Bashir	trans design	
Dellan Niedao	TFCH V	FCID
Samrah Basta	PWE III	Land Development
Ellen Hargrove	ET IV	Design - Trans
Randy Hartmann	Tech V	FC Planning

WEBCAST – CASQA BMP WEB PORTAL: TOOLS FOR
COMPLYING WITH THE NEW CONSTRUCTION GENERAL PERMIT



WEBINAR

Wednesday, June 23, 2010 AT 1:30 P.M.

COUNTY OF SAN BERNARDINO

DEPARTMENT OF PUBLIC WORKS

825 E. THIRD STREET, HEARING ROOM

SIGN-IN SHEET

NAME (PLEASE PRINT)	CLASSIFICATION	DIVISION
Patrick Egle		SWMD
EMMANUEL UYCHOCOS		CONTRACTS
WILLIAM BROWN		Contracts
DAVID LOVELL	PWE III	FED PROJ
C. LAZO	PWE II	Trans. Design
Claudia Brunson	TECH III	Trans Design
Mervake Estephan	Tech III	Federals Project

WEBCAST - CASQA BMP WEB PORTAL: TOOLS FOR
COMPLYING WITH THE NEW CONSTRUCTION GENERAL PERMIT



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825 E. THIRD STREET, HEARING ROOM

SIGN-IN SHEET

POL ARSUA	PWE II	TRANS DESIGN
EMIL RANOSA	PWE II	TRANS DESIGN
Chris Smith	PWE III	" "
DAVID BUNGH	TEGA V	FCD
MONA SADEK	PWE II	FC PLANNING
EDUARDO VARGA		EMD

WEBCAST – CASQA BMP WEB PORTAL: TOOLS FOR
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825 E. THIRD STREET, HEARING ROOM

SIGN-IN SHEET

Rubin Domingo	PWE II	Trans-Design Team A
ANDY SILAO	PWE II	TRAN-DESIGN TEAM A
Richard A Cho	ASA I	Computer Services
Nancy Sansonetti	SP	SWMD

SIGN-IN SHEET

MUNICIPAL STORMWATER POLLUTION PREVENTION TRAINING

LOCATION:

Bois Bear

DATE:

6/15/10

NAME	ORGANIZATION / DEPT.	SIGNATURE
Daren Padua	Road	Daren Padua
Jesus Diaz	Road	Jesus Diaz
LUCK TALIA	ROAD	Luck Talia
Richard R Rodriguez	ROAD	Richard R Rodriguez
Russ Hogan	Road	Russ Hogan
Jim Dibet	Road	Jim Dibet
Dean Saylor	Road	Dean Saylor

SIGN-IN SHEET

MUNICIPAL STORMWATER POLLUTION PREVENTION TRAINING

LOCATION: YARD 5DATE: 5-24-10

NAME	ORGANIZATION / DEPT.	SIGNATURE
Alex Estrada	Public works	Alex Estrada
Paul Troy	Public works	Paul Troy
TILER FIFE	PUBLIC WORKS	Tiler Fife
Mike McLellan	Public works	Mike McLellan
MIKE WAKEFIELD	DPW	Mike Wakefield
Eric Brown	DPW	Eric Brown
MIKE LOTTIN	D.P.W.	Mike Lottin
Carlos Tenorio	Public works	Carlos Tenorio
philippas Pallas	public works	Philippas Pallas
Chris Burke	PUBLIC WORKS	Chris Burke
Juan M. Aviles	Public works	Juan M. Aviles
MARIO GANTT	DPW	Mario Gantt
Michael Cruz	DPW	Michael Cruz
MANNY KIVERA	DPW	Manny Kivera
Rodrigy Robinson	DPW	Rodrigy Robinson
Rob Vasquez	DPW	Rob Vasquez
Michael Cruz Bruce Slotra	DPW	Bruce Slotra
JOHN LATSKO	DPW Trans Ops	John Latsko

SIGN-IN SHEET

EAST VALLEY MAIN YARD

MUNICIPAL STORMWATER POLLUTION PREVENTION TRAINING

LOCATION: TRANS/Flood/Tree crew

DATE:

5/24/2010

NAME	ORGANIZATION / DEPT.	SIGNATURE
Brian Sawyer	Flood	Brian Sawyer
LAMAR ALLMAN	T/F	Lamar Allman
Pete Holloway	Trans/Flood	Pete Holloway
BIRLYN CROWLEY	FLOOD	Birlyn Crowley
WILLIAM MATTINGLY	FLOOD	William Mattingly
DAVID LOVAX	Flood	David Lovax
TYSON FRISTROM	923 FLOOD	Tyson Fristrom
Royce GRUNDEN	F/C	Royce Grunden
Shehab MAJID	Tree crew	Shehab Majid
ROBERT G. LUJAN	T/F	Robert G. Lujan
ERIC Sorenson	F/C	Eric Sorenson
GREG ROBERG	FLOOD	Greg Roberg
RONNIE CHAVEZ	Flood	Ronnie Chavez
Robert LUCERO	TRANS 524	Robert Lucero
Douglas Durbin	Trans Flood Oper	Douglas Durbin
William Madley	TRANS/FLOOD	William Madley
Greg BRIFFITH	Tree crew	Greg Briffith
Manuel Lopez	PWG Flood	Manuel Lopez
Dean Cochran	PWG Flood	Dean Cochran
JOE GUMISE	TRANS	Joe Gumise
Jose Saldaña	POOL	JOSE SALDAÑA

EAST VALLEY MAIN YARD

SIGN-IN SHEET

MUNICIPAL STORMWATER POLLUTION PREVENTION TRAINING

LOCATION: TRANS/FLOOD/TREE CREW

DATE:

5/24/2010

NAME	ORGANIZATION / DEPT.	SIGNATURE
John Hutchinson	FLOOD	[Signature]
CHRIST WRIGHT	FLOOD	[Signature]
VINCE HOLMS	POOL	[Signature]
Darrell Ford	Flood	[Signature]
MICHAEL WILSON	POOL / FLOOD	[Signature]
STU GILLER	pool	[Signature]
Richard Dixon	Pool	[Signature]
Geoff Brown	Pool	[Signature]
Herace Carney	Pool	[Signature]
DAVE MAHOSKY	FLOOD ZONE 3	[Signature]
Vince Newell	Flood	[Signature]
Richard Lowry	Pool	[Signature]
MIKE HULZI	Trans/Pool	[Signature]
BROCK JONES	FLOOD	[Signature]
Robert Silva	Flood	[Signature]
IGNACIO NAVA	Flood	[Signature]
Leonard Chavez	Flood	[Signature]
JOE ROBERTSON	Flood	[Signature]
Manuel Chavez	Pool	[Signature]
CAREY STOCKTON	Flood	[Signature]
Tony Troncoso	FLOOD	[Signature]
DAVID A. MULLER	FLOOD ZONE 3	[Signature]
Karl MCTEW	" "	[Signature]

BRIAN KLOPPFER

FLOOD

[Signature]

ROBERT MACIAS

FLOOD

[Signature]

MANUEL GONZALES

FLOOD

[Signature]

APPENDIX D

Community Clean Up and Recycling Event Flyers

"Make A Difference Day" Citywide Clean-up Event

Who:

City Clean-Up Volunteers



MAKE A
DIFFERENCE DAY
NATIONAL DAY OF DOING GOOD

What:

Citywide Clean-up Day in conjunction with San Bernardino County Free Disposal Day and Make a Difference Day



When:

October 24, 2009

Check-in: 7:30 am - 8 am in Library Community Room

Clean-up: 8:30 am - 10:30 am

Volunteer Appreciation Lunch: 11am - 12pm in Library Community Room

Where:

Site location provided at Check-in

Why:

The City encourages you to participate in our "Make a Difference Day" Citywide Clean-up event by picking up debris at your designated location. By participating in this event you will help give back to the community and also learn the importance of the recycling needs and illegal dumping issues in Hesperia.

Come lend a helping hand to keep your neighborhoods clean. Let's all be accountable for our environment and keep Hesperia clean & beautiful. Please confirm your volunteers and shirt sizes by Wednesday, October 14, 2009.



City of Hesperia

Julie Ryan

Environmental Programs Coordinator

(760) 947-1589

jryan@cityofhesperia.us



Advance
Disposal Company, Inc.



GRIFFIN STRUCTURES, INC.
Program Managers • Construction Managers
949-497-9000
www.griffinholdings.net

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california
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DAILY PRESS
VVDailyPress.com

**KEEP OUR
COMMUNITY
CLEAN**



Are you in the mood for some real household cleaning? Are you looking for a place to take unwanted household goods? Would you like to clean up your neighborhood and be a part of “Make a Difference Day”?

If you said “yes”, the City of Hesperia would like to help.

City of Hesperia
Bi-annual Citywide Clean-up Day
Saturday, October 24, 2009
7:30 am - 12 pm
Advance Disposal
17105 Mesa Street
(enter from Santa Fe only)

No Household Hazardous Waste, TV’s, computers, loose dirt, concrete or rocks will be accepted.

All items **MUST** be boxed, bundled, or bagged.

Seniors and the disabled may schedule curbside pick-up for clean-up day items, excluding tires, by calling (760) 947-1225, before Thursday, October 22, at 3 pm.

The City and Advance Disposal reserve the right to refuse materials not properly contained.





Free Electronic Waste Recycling Event



Do you have unwanted electronic items collecting and don't know where to safely dispose of them?

Join us
Saturday, January 2, 2010
8 am - 3 pm
behind 15776 Main Street
(enter from 9th Avenue)

This event is FREE for all High Desert residents and businesses.

Acceptable Items

Recycling services provided by Greenview Resource Management

Computer Technology

Computer towers, Speakers, Keyboards, Mice, Microphones & Headsets,
Webcams & Hard drives, Printers, Copiers, Scanners & Computer instruments
Laptops & Servers, VCRs, DVD, CD, MP3 & Cassette players
Stereo systems & Gaming systems
Telephones

CRT & Video Devices

LCD monitors, Televisions, Plasma devices
Computer monitors
DLP projection TVs & Console TVs

An event hosted by the City of Hesperia and the Hesperia Chamber of Commerce.
For more information please visit the City website at
www.cityofhesperia.us or call the Hesperia Chamber at (760) 244-2135.



Disney clean-up day 'an amazing success'

[Beau Yarbrough](#)

2010-02-25 13:05:06



Call it a win-win-win situation: The city of Hesperia got volunteers to clean up three illegal dump sites around the city, volunteers got a free pass to an amusement park and the Walt Disney Corporation got a whole lot of free publicity.

The city participated in Disney Parks' "Give a Day, Get a Day" promotion, which rewards volunteers in participating program with a one-day pass to one of their parks, including Disneyland, with a clean-up day held last Saturday.

"Last weekend was an amazing success. We had 156 participants show up at three sites," said Rachel Molina, a Senior Office Assistant for the city of Hesperia, and the person who spearheads the city's Volunteer Network program. "Everyone was really positive. The weather was cold, much like it was today, but everybody was bundled up. ... It couldn't have gone better, really."

Unlike normal clean-up days, when groups like the Kiwanis Club are assigned clean-up sites, the volunteers were united by only their desire for Disneyland tickets.

"They were just shocked at the amount of debris and trash that's dumped in the desert."

In the end, the volunteers collected seven bins full of mattresses, chairs, clothing, tables and trash.

Due to what Molina calls the "overwhelming response," the city is considering holding another volunteer opportunity through the Disney Parks program, probably in April. Sign-ups will not be opened up until closer to the actual date of the event.

"With all three different sites, they were each posted on different days, and they were all filled up within 12 hours," said Molina. "We had people signing up at 3 in the morning."

And as the speed of the sign-ups suggested, the chance to go to Disneyland for free meant a lot to many of the volunteers.

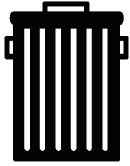
"We got so many stories from families who said that they had wanted to take their child or family to Disneyland for years, maybe for the first time, but could never do it," said Molina.

To find Give a Day, Get a Day volunteering opportunities, **visit DisneyParks.com**.

Beau Yarbrough can be reached at 760-956-7108 or at beau@hesperiarstar.com. Follow us on Facebook at Facebook.com/Hesperia.Star

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**KEEP OUR
COMMUNITY
CLEAN**



Are you in the mood for some real household cleaning? Are you looking for a place to take unwanted household goods? Would you like to clean up your neighborhood? Do you have tires to dispose? If you said “yes”, the City of Hesperia would like to help.

City of Hesperia
Bi-annual Citywide Clean-up Day
and
Tire Amnesty Day
Saturday, April 10, 2010
7:30 am - 12 pm
Advance Disposal
17105 Mesa Street
(enter from Santa Fe only)

No Household Hazardous Waste, loose dirt, concrete or rocks will be accepted.
All items MUST be boxed, bundled, or bagged.

Tire drop-off is located outside the gates of Advance Disposal as tires are not accepted at the Advance Disposal Facility.

Seniors and the disabled may schedule curbside pick-up for clean-up day items, excluding tires, by calling (760) 947-1225 before Thursday, April 8, at 3 pm.

The City and Advance Disposal reserve the right to refuse materials not properly contained.



**Advance Disposal Co.
& Recycling Center**

OPERATION: LANDSCAPE EVENT

Saturday, June 12, 2010

8am - 12pm

17105 Mesa Street

Hesperia

All large tree branches, tumbleweeds, cut grass, large bushes or weed will be accepted. No large items will be accepted on this day.

For Hesperia Residents Only
Proof of residency required

Sponsored by
City of Hesperia



For information and directions, please visit
at www.advancedisposal.com or contact Beverly Williams
at (760) 244-9773 Ext. 225.



NEWS RELEASE

DATE: October 19, 2009

FOR IMMEDIATE RELEASE

CONTACT: Ro Ratliff, City of Victorville Recycling Program
(760) 955-8615

**VICTOR VALLEY MRF RECYCLING CENTER
SHRED-FEST & MULCH GIVEAWAY WILL BE HELD ON SATURDAY, NOVEMBER 7**

High Desert residents are invited to attend the Victor Valley Materials Recovery Facility (MRF) Shred-Fest and Mulch Giveaway on Saturday, November 7, from 8 a.m. to 12 noon. The Victor Valley MRF is located at 17000 Abbey Lane, in Victorville, just off of Stoddard Wells Road—right on the way to the county landfill. All activities are FREE and open to all residents of the High Desert.

Free Shred-Fest: High Desert residents can bring up to four bankers boxes of confidential paper documents to be shredded for free. All Purpose Document Destruction will have a truck on site, so residents can watch their documents being shredded. The free shredding is for paper documents from residents only. No business materials.

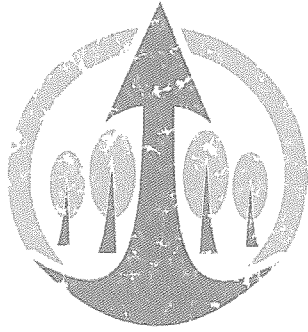
Free Mulch Giveaway: Area residents can pick up free mulch on Saturday at the MRF. This is a “self-serve” giveaway, so residents will need to bring their own shovels and containers to load the mulch. Limit 50 gallons per resident.

Free Drop-off of TVs, Computers, and Appliances: On Saturday, residents can bring TVs, computers, scrap metal, and appliances to drop off for free at the RECYCLE ALLEY drop-off area.

In addition, residents can also visit the MRF’s buy back center and redeem their separated CRV bottles and cans for cash.

The Victor Valley MRF serves as the processing center for recyclables from Apple Valley and Victorville's curbside and commercial/business recycling programs. The MRF is also a buy-back and drop-off recycling center open to the public and businesses. It is regularly open Monday through Friday from 8 a.m. to 4 p.m., and Saturdays from 8 a.m. to 12 noon.

For more information, contact the City of Victorville Recycling Program at 955-8615.



VICTORVILLE COMMUNITY CLEAN-UP DAY



October 24, 2009

8:00 am - 12:00 pm

20 Locations in Victorville



YOU CAN MAKE A DIFFERENCE

Let's keep Victorville clean and beautiful!

Victorville Clean-up Day is a great way for families, students, service groups, and neighbors to join together, take care of our desert environment, show community support for our shared natural resources, and to have fun!

All participants receive a t-shirt and lunch at Doris Davies Park!

To join us, please visit the Victorville Chamber of Commerce at
www.vvchamber.com

This event is possible thanks to our sponsors



DAILY PRESS
VVDailyPress.com



**Desert
Community
Bank**



Victorville Chamber of Commerce
14174 Green Tree Blvd. • (760) 245-6506 • www.vvchamber.com

FREE DROP-OFF

Victor Valley MRF Recycling Center


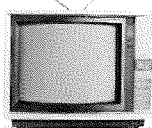



17000 Abbey Lane in Victorville (just off Stoddard Wells Road)

SHRED-FEST

Don't Miss the Last ShredFest of '09!

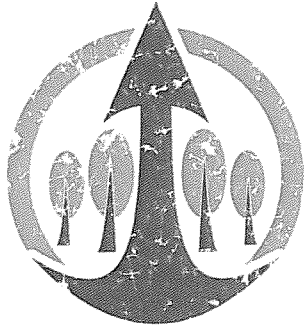
Saturday - NOV 7th - 8am to 12 noon



<p>On your way to the landfill? Recycle at the MRF instead.</p> 	<p>Drop off old TVs, computers, & appliances for FREE!</p> 	<p>+ Drop off scrap metal, mixed paper, plastic, glass, cardboard, & newspaper.</p> 	<p>+ Redeem your CRV bottles & cans for \$ CASH!</p> 	<p>+ Bring up to 4 "bankers boxes" of confidential documents to shred - for FREE!</p> 
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Got Mulch? Need mulch for your yard? There will be FREE mulch at the MRF during the Shred-Fest/Open House event. This is a "load your own" mulch giveaway, so bring your own shovels, as well as bags or other containers to load mulch into. The giveaway is for residents only — no businesses or commercial vehicles. Mulch LIMIT up to 50 gallons.

Sponsored by the City of Victorville, Town of Apple Valley, and Burrtec Waste Industries. For more info, contact the City of Victorville Recycling Program at (760) 955-8615, or call the Victor Valley MRF Recycling Center at (760) 241-1284.



VICTORVILLE COMMUNITY CLEAN-UP DAY



APRIL 10, 2010
8:00 am - 12:00 pm
20 Locations in Victorville



YOU CAN MAKE A DIFFERENCE
Let's keep Victorville clean and beautiful!

Victorville Clean-up Day is a great way for families, students, service groups, and neighbors to join together, take care of our desert environment, show community support for our shared natural resources, and to have fun!

All participants receive a t-shirt and lunch at Doris Davies Park!

To join us, please visit the Victorville Chamber of Commerce at
www.vvchamber.com

This event is possible thanks to our sponsors

**CITY OF VICTORVILLE PUBLIC WORKS DEPARTMENT
SOLID WASTE DIVISION**

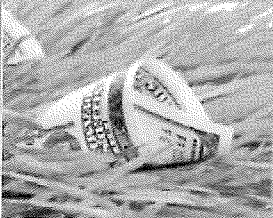


Victorville Chamber of Commerce
14174 Green Tree Blvd. • (760) 245-6506 • www.vvchamber.com




April 10 | Issue 1

SAVE THE DATE FOR OUR FREE CASH FOR GRASS GARDENING WORKSHOP!



Click [here](#) to find out how you can replace your water-thirsty grass with low-water use landscape and receive money for it. The workshop also offers an opportunity to learn all about native plants.

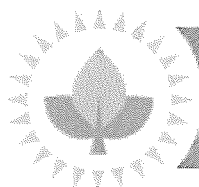


Date: Saturday, April 24th, 2010
Time: 10:00 a.m. – 12:00 p.m.
Location: Victorville City Hall Conference Room D
 14343 Civic Drive
 Victorville, CA 92392

Do you have tips on how to make your garden green?

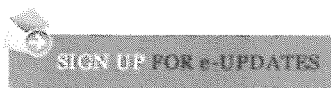


Send us your green thumb ideas by replying to this email and we'll feature you in an upcoming update!



Remember to Garden Smart this Spring!
 Save on water by planting low maintenance, drought-tolerant native trees and shrubs.

Visit us at



✉ **SafeUnsubscribe®**

This email was sent to hwilson@ci.victorville.ca.us by info@mojaveriver.org.
[Update Profile/Email Address](#) | Instant removal with [SafeUnsubscribe™](#) | [Privacy Policy](#).

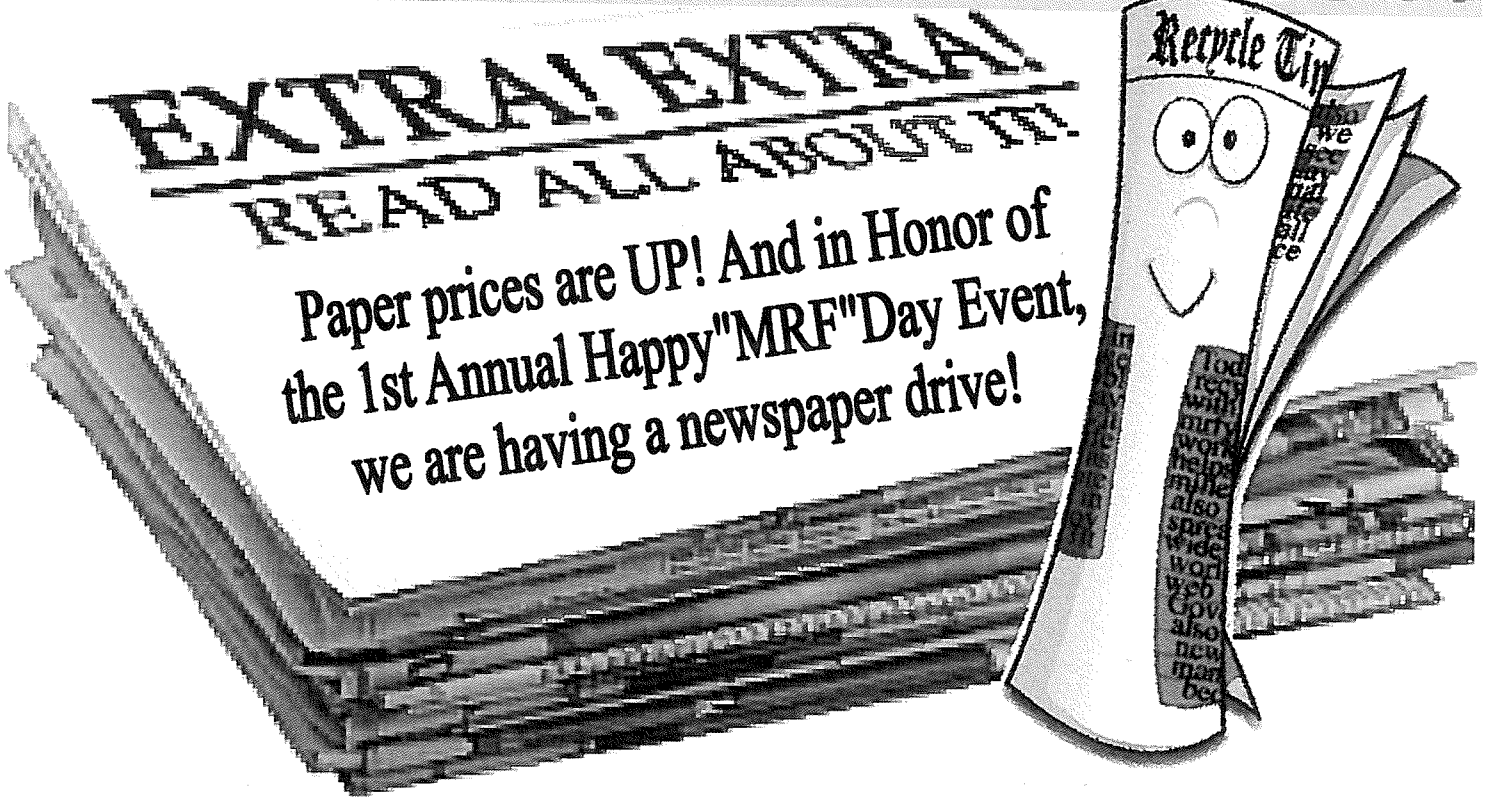
Email Marketing by



Mojave River Watershed Group | 825 E. Third Street | San Bernardino | CA | 92415

♻️ SCHOOL ♻️ NEWSPAPER DRIVE

FUNDRAISER & CONTEST!



Paper prices are UP! And in Honor of the 1st Annual Happy "MRF" Day Event, we are having a newspaper drive!

HAPPY MRF DAY!

Celebrating Earth Day in the High Desert

SATURDAY

MAY 1ST, 2010

8 am to 12 noon
Victor Valley

Materials Recovery Facility (MRF)
17000 Abbey Lane in Victorville

Free Admission

Free Parking

Free ShredFest & Mulch
Giveaways & Door Prizes

Recycled Crafts & Mini Workshops



Here's What You Need to Do to Participate:

1. Contact us to sign up at rratliff@ci.victorville.ca.us, or call (760) 955-8615 for more info.
2. Promote the Newspaper Drive at your school by setting out collection containers, handing out info flyers, making posters, and making announcements.
3. Collect as much newspaper as possible between April 1 and April 28.
4. Burrtec Waste Industries will pick up all the newspaper on Wednesday, April 28.
5. Each school will receive a check for the newspaper they redeem.
6. The three schools collecting the most newspaper will receive 1st, 2nd, or 3rd place prizes.
7. Schools can attend Happy "MRF" Day to celebrate Earth Day, participate in fun activities, and receive their prizes and awards.

Brought to you by...



HAPPY "MRF" DAY!

2010

SATURDAY MAY 1

8 a.m. to Noon
Victor Valley
Materials Recovery Facility (MRF)
17000 Abbey Lane, Victorville

FREE ADMISSION • FREE PARKING

**SHRED
FEST!**

Residents may bring up to four 20-pound boxes of files to shred on site. Free for Victor Valley residents.

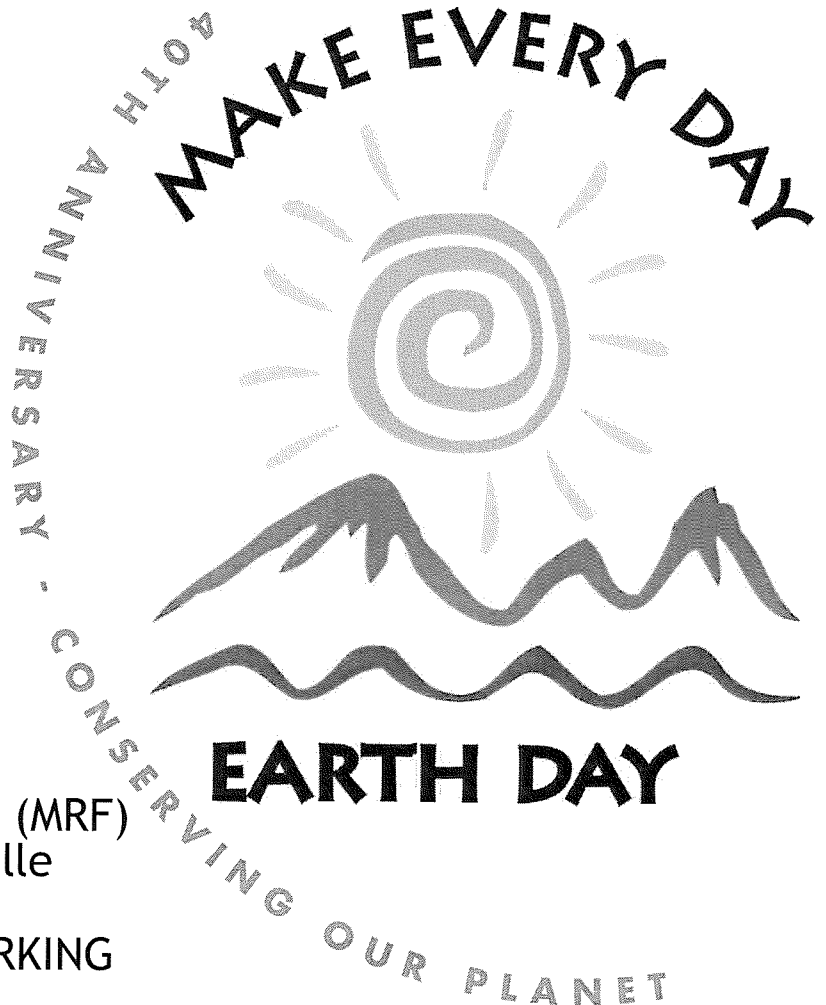
FREE MINI DEMOS: Recycled Crafts • Environmental Education • Composting • How to Recycle • Vermicomposting • Compost Giveaway • Farmer's Market • Come see how the MRF works!

For more information, go to www.urecycle.org, call 760.241.1284, or 1.888.URECYCLE.

Sponsored by: Mojave Desert & Mountain Recycling Authority,
City of Adelanto, Town of Apple Valley, City of Victorville

**DOOR
PRIZES!**

CELEBRATING EARTH DAY IN HD (HIGH DESERT)



Household Hazardous Waste Collection Center



It's FREE!

Every Wednesday & Sunday
9:00 a.m. to 4:00 p.m.

It's FREE!

Enter the San Bernardino County Fairgrounds in Victorville from 7th Street
at Desert Knoll Drive, follow the sign to the Center, off of Loves Lane

RESIDENTIAL WASTE ONLY —◆— NO COMMERCIAL WASTE

-
- | | | | |
|--|-----------------------------|-----------------------------------|-----------------------------|
| • Batteries | • Household Cleaners | • Paints and Paint Thinner | • Space Heaters |
| • Computer Printers and Accessories | • Irons | • Pesticides | • Stereos |
| • Fluorescent Light Bulbs | • Microwaves | • Pool and Hobby Supplies | • TV's and Computers |
| | • Motor Oil and Fuel | • Propane Tanks | • Weed Killers |
-



Before Transporting Hazardous Waste to your Collection Center--
follow these safety guidelines:

- * The waste is in its original container and properly labeled.
- * The contents of the container are the same as stated on the label.
- * If not the same contents as labeled, cover up the label, and write the name of its contents.
- * The container is sound, not leaking, and sealed.
- * The amount of waste transported does not exceed 5 gallons or 50 pounds.
- * Wastes are placed securely in the vehicle for safe transport.



San Bernardino County

2009 Community Clean Up Events

TRONA

October 3rd, 2009



**Our Results: 49
Vehicles Served**

**9 Tons
of Material Removed
(Approx 2 Trash Trucks!)**

- 5.50 Tons of Trash
- 3.50 Tons of Tires Recycled

A special thanks to:
 1st District Supervisor Brad Mitzelfelt
 (760) 256-4748
 Waste Management and
 Global Surplus Solutions
 for making this event a success!

For more information please contact:
 Ignacio Nunez, Code Enforcement - Special Projects - 909-948-5079



San Bernardino County

2010 Community Clean Up Events

LENWOOD

March 27th, 2010



Our Results:

139 Vehicles Served

30.75 Tons
of Material Removed
(Approx 5 Trash Trucks)

- 21.5 Tons of Trash
- 2 Tons of Tires Recycled
- 5.5 Tons of Metal Recycled
- .5 Tons of E-Waste Recycled
- 1.25Tons of Green Waste Recycled

30 % Diverted from the Landfill

A special thanks to:
 1st District Supervisor Brad Mitzelfelt
 (760) 955-5400
 Burrtec Industries and
 Cal Micro Recycling
 for making this event a success!

For more information please contact:
 Ignacio Nunez, Code Enforcement - Special Projects - 909-948-5079



San Bernardino County

2010 Community Clean Up Events

OAK HILLS

April 17th, 2010



Our Results:

313 Vehicles Served

71.5 Tons of Material Removed
(Approx 12 Trash Trucks)

- 34 Tons of Trash
- 16.5 Tons of Tires Recycled
- 6.5 Tons of Green Waste Recycled
- 5.5 Tons of Metal Recycled
- 9 Tons of E-Waste Recycled

52% Diverted from the Landfill!!!!



A special thanks to:
 1st District Supervisor Brad Mitzelfelt
 (760) 955-5400
 Oak Hills Property Owners Association,
 Cal Micro Recycling, CR&R and Advanced
 Disposal
 for making this event a success!

For more information please contact:
 Ignacio Nunez, Code Enforcement - Special Projects – 909-948-5079