

ENGINEER'S REPORT
TO THE
BOARD OF SUPERVISORS
OF THE
RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
ON THE
NPDES PROGRAM
FOR THE
SANTA ANA WATERSHED
BENEFIT ASSESSMENT AREA

JULY 2009

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INTRODUCTION

In 1987, Congress amended the Federal Clean Water Act (CWA) to require public agencies which serve urbanized areas with a population greater than 100,000, and other designated areas to obtain permits to discharge urban stormwater runoff from municipally owned drainage facilities including streets, highways, storm drains and flood control channels. In November 1990, the United States Environmental Protection Agency (USEPA) promulgated enforceable regulations establishing Municipal Stormwater Permit requirements under its National Pollutant Discharge Elimination System (NPDES) program. In California, USEPA has delegated its NPDES permitting authority to the State Water Resources Control Board (SWRCB). The SWRCB issues and enforces NPDES Municipal Separate Storm Sewer System (MS4) Permits through its nine California Regional Water Quality Control Boards (CRWQCBs).

The Riverside County Flood Control and Water Conservation District (District) service area encompasses portions of three major watersheds (drainage areas): the Santa Ana, the Santa Margarita and the Whitewater. The discharge of stormwater from municipal storm drainage systems within each of these three watersheds is regulated pursuant to an NPDES MS4 Permit (NPDES Permit) administered by a separate CRWQCB. **The District must comply with the provisions of these NPDES Permits in order to legally operate and maintain its flood control and drainage system infrastructure.** The USEPA and the CRWQCB can impose significant penalties for non-compliance as high as \$32,500 per day per violation. In addition, private citizens can pursue enforcement actions under the Federal CWA.

In the case of the Santa Ana Watershed, the District, along with the County of Riverside (County) and the Cities of Beaumont, Corona, Hemet, Lake Elsinore, Moreno Valley, Norco, Perris, Riverside and San Jacinto obtained an "early"¹ NPDES Permit (NPDES Permit) from the CRWQCB - Santa Ana Region (Regional Board) on July 1, 1990. The Regional Board added the then newly incorporated cities of Calimesa and Canyon Lake to the NPDES Permit on July 10, 1992. The initial NPDES Permit expired on July 1, 1995; however, the provisions of this first NPDES Permit remained in effect until the Regional Board adopted a subsequent NPDES Permit (Permit) on March 8, 1996. The 1996 Permit, which identified the District, County and above listed cities (Cities) as Permittees, expired on March 1, 2001. The Permittees submitted a "Report of Waste Discharge" (ROWD), as required by the Permit renewal procedures, and the Regional Board extended coverage under the 1996 Permit until October 25, 2002, when the current Permit, Order No. R8-2002-0011, (2002 Permit) was adopted. The 2002 Permit expired on October 25, 2007; thus, in accordance with permit renewal procedures, the Permittees submitted an ROWD on April 26, 2007. The Permittees expect to begin development of the new Permit with the Regional Board in FY 2009-2010.

The first NPDES Permit issued by the Regional Board in July 1990 was considered a "Developmental Permit". The Permittees were authorized to continue discharging stormwater from their municipally owned storm drain and flood control facilities while developing the various elements of their respective Municipal Stormwater Management Programs.

The 2002 Permit requires the Permittees to implement a Drainage Area Management Plan (DAMP) incorporating upgraded program elements and other information as specified by the Permit. To ensure a consistent region-wide program in Riverside County, the DAMP was

¹ The term "early" is used to refer to permits that were issued prior to the promulgation of the final USEPA rules for permitting municipal stormwater discharges [40 CFR 122.26, November 1990].

designed to address both the Santa Ana and San Diego Regional Boards NPDES Permits. The Permittees submitted the DAMP in 2004, and finalized the document during FY 2005-2006 after having received comments from both Regional Boards.

From the beginning, the Permittees' Municipal Stormwater Management Program has been guided by the following principles:

1. Utilize existing municipal departments/programs to meet NPDES Permit requirements whenever possible.
2. Minimize duplication of effort through coordinated Permittee compliance actions.
3. When necessary, develop new or enhanced Stormwater Management Programs (Best Management Practices) that are both cost-effective and acceptable to the public.

The Santa Ana Watershed Benefit Assessment Area (SAWBAA) was established pursuant to District Ordinance No. 14 on May 14, 1991 (copy attached - see Appendix B). The SAWBAA was formed to offset the District's program and administrative costs associated with the development, implementation and management of identified stormwater management activities required by the federally mandated NPDES Permit Program. The District must continue to develop and implement these stormwater management activities in order to legally operate and maintain its flood control and drainage facilities. A map showing the boundaries of the SAWBAA is attached hereto as Appendix C.

The cost of the District's various NPDES Permit compliance activities fluctuates from year to year. Although some expenses do not change significantly on a yearly basis, certain costs are cyclical (e.g., preparing Permit applications and negotiating Permit provisions) while expenses associated with collecting water samples and performing laboratory analysis may vary according to the amount of rainfall occurring in a given year or in response to certain information requests from the Regional Board. Costs associated with the development, production and distribution of public education materials are not always incurred on a FY basis. Occasionally, consultant services may be needed to assist the District with the development of a particular Permit requirement or program activity. Also, certain activities or programs may be expanded or curtailed from time to time and, occasionally, new programs or activities must be developed and implemented.

Currently, the regulation and management of stormwater runoff is a topic of increasing interest amongst the public, municipalities, regulatory authorities and legislators. Although new laws and/or regulations could result in changes to the assessment rate in future years, **the proposed assessment rate for FY 2009-2010 is equal to or less than the assessment rate that was enrolled and levied for FY 1996-1997 and all subsequent years.**

APPORTIONMENT METHODOLOGY

SAWBAA assessments are apportioned on the basis of proportionate stormwater runoff generated by each parcel. This method of assessment is consistent with State law and the District Act. The amount of benefit is computed based upon the parcel's size (acreage) and its use classification. A single-family residential structure on a 7,200 square foot lot (1/6 of an acre) is defined as one benefit assessment unit (BAU). The BAUs for other types of land use are calculated in proportion to the amount of runoff generated by a single-family residence on a 7,200 square foot lot.

In comparison with a typical single family residence, properties used for industrial and commercial purposes typically generate more stormwater runoff and higher pollutant loads on a per acre basis. Thus, commercial/industrial parcels are assessed at a higher rate per acre than residential parcels. Because agricultural discharges are currently exempt under the NPDES Permit regulations, parcels within the SAWBAA that are used for agricultural purposes are exempt from the assessment. Vacant undeveloped parcels are not assessed because they are considered to generate no increase in pollutant loading. Additionally, certain large undeveloped tracts of land such as Federal or State owned forest are excluded from the SAWBAA. A more detailed discussion of the apportionment methodology is presented in Appendix B.

CURRENT YEAR ASSESSMENTS (FY 2008-2009)

In July 2008, the District's Board of Supervisors confirmed a benefit assessment rate for FY 2008-2009 of \$3.75 per BAU. Following is a summary of FY 2008-2009 assessments:

Rate	Billed Parcels	BAUs	Assessments	Corrections	Amount Paid*
\$3.75	340,158	610,050	\$2,287,685.92	\$0.00	\$2,116,109.48

* Through May 31, 2009

Property owners may request a review of their assessment(s) by contacting the District. District staff considers each request by reviewing readily available information such as assessor's parcel maps, aerial photographs, and, when necessary, conducting site visits. The Auditor/Controller is notified of any needed corrections and a new tax bill is issued or, in cases where the assessment has been paid, a refund is made. Last year, there were no corrections processed.

RECOMMENDED BENEFIT ASSESSMENT RATES (FY 2009-2010)

The District recommends that for FY 2009-2010, the SAWBAA assessment rate remain unchanged at \$3.75 per BAU. This BAU rate would result in an equivalent charge per acre for the following land uses:

Group	Land Use Category	BAU/Acre	Assessment Rate*
A	Commercial, Industrial	12	\$45.00/acre
B	Apartments/Mobile Home Parks, Churches and Schools	9	\$33.75/acre
C	Single-family Residential	6**	\$22.50/acre
D	Agricultural/Vacant Undeveloped	Exempt	\$0.00/acre
E	Golf Courses	0.10	\$0.38/acre
F	Undeveloped Portions of Parcels	0.05	\$0.19/acre

* Refer to Appendix B for a detailed discussion of the Benefit Assessment methodology.

** 1 BAU per single-family residence, assuming six equally sized residential parcels per acre.

The projected revenue for FY 2009-2010, using the proposed benefit assessment rate of \$3.75 per BAU is as follows:

Rate	Parcels*	BAUs	Assessment*	Projected Revenue**
\$3.75	340,158	610,050	\$2,287,685.92	\$2,116,109.48

* Based on preliminary Assessor's information

** Assumes a 7.5% delinquency rate

The projected revenue along with a portion of the end of year balance from FY 2008-2009 will fund the District's NPDES Stormwater Management Program activities for the Santa Ana Watershed area in FY 2009-2010. The proposed FY 2009-2010 budget is presented in Appendix A.

During the early years of the NPDES Program, there were many uncertainties regarding start up costs (consultant costs, amount of sampling that would be required, overall program scope, etc.) since the program was new for both the regulatory authorities and the Permittees. Consequently, the initial assessment rates were set conservatively to ensure that all Permit obligations could be met. To date, the District has been able to successfully negotiate reasonable NPDES Permit conditions and implement its Stormwater Management Program in a manner that has retained a portion of the program's initial budget surpluses. As a result, a modest fund balance has been maintained since the benefit assessments were first levied in FY 1991-1992. The District is gradually reducing the fund balance by maintaining the current assessment rate while sustaining expenditure levels that are slightly above projected revenues. It should also be noted here that the current trend in California is toward more stringent regulation of municipal stormwater runoff. Thus, it is expected that the District's NPDES Permit compliance costs may increase over the next few years.

ASSESSMENT ROLL

The SAWBAA Assessment Roll provides a listing by Assessor's Parcel Number of the proposed FY 2009-2010 Benefit Assessment to be levied on each parcel of property in the SAWBAA. The Assessment Roll is identified as Appendix D and incorporated herein by this reference. This Engineer's Report along with the SAWBAA Assessment Roll will be placed at the following locations for review by the public:

Clerk of the Board of Supervisors
4080 Lemon Street, 1st floor
Riverside, CA 92501

Riverside County Flood Control
and Water Conservation District
1995 Market Street
Riverside, CA 92501

City of Corona
400 South Vicentia Avenue, 1st floor
Corona, CA 92882

City of Hemet
445 East Florida Avenue
Hemet, CA 92543

City of Lake Elsinore
130 S. Main Street
Lake Elsinore, CA 92530

The Engineer's Report may also be viewed or downloaded at
<http://floodcontrol.co.riverside.ca.us/content/stormwaterNPDES.htm>

NPDES PROGRAM HIGHLIGHTS FOR FY 2008-2009

For the year ending June 30, 2009, the following major tasks and activities were accomplished:

- A. Implementation of the Water Quality Management Plan (WQMP) for new development in accordance with the October 2002 Permit. The Regional Water Quality Control Board – Santa Ana Region (SARWQCB) adopted the WQMP in October 2004. New developments were required to submit a project-specific WQMP for qualified new development and redevelopment projects effective on January 1, 2005. The District is developing additional BMP design guidance to standardize post-construction BMP selection and design in Riverside County. Ongoing updates to the handbook include a plan to incorporate low impact development (LID) design concepts.
- B. Continued participation in the Lake Elsinore/Canyon Lake Nutrient TMDL Task Force. The Task Force is formed of stakeholders regulated by the SARWQCB through the Lake Elsinore/Canyon Lake Nutrient TMDL (adopted December 17, 2004). The District also participates in another TMDL Task Force for the Reach 3 Santa Ana Pathogen Indicator TMDL (adopted August 26, 2005). The purpose of both task forces is to implement joint requirements of the TMDLs and to address these impairments and implement the TMDLs.
- C. Continued offering of several municipal employee-training sessions to provide a general orientation of the Municipal Stormwater Program including topics such as stormwater regulations and permits, storage and disposal of hazardous materials, BMPs for parks and recreation activities, animal control facilities, vehicle and equipment cleaning, outdoor cleaning activities, pesticides/fertilizers, painting, dumpster areas, etc. to all Santa Ana Permittees' staff. Attendees included code enforcement and field maintenance staff, construction site inspectors, and personnel involved in conducting industrial/commercial facility inspections. Training focused on compliance requirements and ordinance enforcement processes required by the October 2002 Municipal Stormwater Permit.
- D. Continued implementation of a Commercial/Industrial Compliance Assistance Program (CAP) to conduct focused outreach to restaurants, automotive repair shops and certain other commercial and industrial establishments to encourage implementation of stormwater BMPs and facilitate consistent and coordinated enforcement of local stormwater quality ordinances. Site visits included use of a survey checklist to document stormwater management practices for each facility.
- E. Creation and maintenance of a new Storm Water Protection website that offers educational resources and free brochures targeting residents, businesses, developers, contractors, and elementary school children.
- F. Participation in the California Stormwater Quality Association, including the leadership roles of Board Member, Legislative Chair, and 2009 Conference Chair.
- G. Continued participation in the Consolidated Program for Water Quality Monitoring (Consolidated Monitoring Program) in accordance with NPDES Permit requirements that includes collection of water quality samples at Municipal Separate Storm Sewer Systems (MS4) outfalls and Receiving Waters for a variety of constituents as well as coordinate

monitoring efforts for the Canyon Lake/Lake Elsinore TMDL and for the Middle Santa Ana River TMDL development. The District is also coordinating the implementation of a new bioassessment monitoring program with the Stormwater Monitoring Coalition.

- H. Continued financial support for area-wide Stormwater Pollution Prevention Programs, including Hazardous Materials Response (HAZMAT) Team, the Household Hazardous Waste (HHW) collection events and "ABOP" (Anti-freeze, Batteries, Oil and Paint) program.
- I. Preparation of a comprehensive Annual Report to the Regional Board. The 2008 Report contained updates to the Permittees' stormwater management activities including a summary of actions to investigate and eliminate Illegal Discharges, Construction site and Industrial/Commercial business inspections, and BMP implementation for Municipal Facilities Programs and Activities.
- J. Promotion (advertising) of proper household hazardous waste disposal at special hazardous waste collection events and at the Pedley "ABOP" collection center through placement of numerous newspaper advertisements. Attending various community events to provide information and brochures on stormwater pollution prevention, recycling and proper disposal of household hazardous waste.
- K. Continued coordination with the Riverside-Corona Resource Conservation District to present the Stormwater Pollution Prevention Patrol Program in elementary school classrooms and conduct slide-show presentations on stormwater pollution prevention to local service clubs and civic groups.
- L. Participation in the Stormwater Quality Standards Task Force. The multi-stakeholder Task Force was formed by Orange, San Bernardino, and Riverside counties to assist the Santa Ana Regional Board in reevaluating the application of the water contact beneficial uses (REC-1, REC-2) for receiving waters in the Santa Ana watershed. The Task Force's goal is to recommend revised beneficial use designations for sections of the Santa Ana River and its tributaries, develop water quality objectives to protect each designated use, and reexamine the appropriateness of the fecal coliform bacteria as the most appropriate water quality objective indicator organism.
- M. Continued coordination with the Riverside-Corona Resource Conservation District to develop and present a series of Home Gardening Workshops at local nurseries and garden centers to promote alternatives to fertilizer and pesticide usage.
- N. Distribution of focused BMP Brochures targeting Construction Activities, Restaurant/Food Service Industry, Automotive Service Industry, Outdoor Cleaning Activities and Industrial Facilities.
- O. Participation in the Southern California Stormwater Monitoring Coalition, a regional monitoring group comprised of Southern California Phase 1 Municipal NPDES Permit holders whose focus is developing effective, meaningful stormwater quality monitoring techniques.
- P. Convened four Management Steering Committee meetings. The Management Steering Committee consists of the City Managers, Directors of Public Works and other essential

municipal staff. The District's Chief Engineer chairs the Committee. The Committee was established to address Urban Runoff management policies for the Permit Area and coordinate the review and necessary revisions to the DAMP, Implementation Agreement, and development of the WQMP. In addition, the Management Steering Committee facilitates coordination with related water quality management programs and monitoring. It also responds to new legislative and regulatory initiatives.

- Q. Participation in two thirty-minute episodes of "Greenworks" an environmental talk show aired on Channel 18 in the Desert and KVCR in western Riverside County.
- R. Participation in the development of the Orange County NPDES MS4 Permit for the Santa Ana and San Diego Regional Water Quality Control Boards.
- S. Coordinated with the Santa Ana Regional Board on the development of a new De-Minimus Discharge Permit and prepared a permit application for District facilities.

PROGRAM / WORK ITEMS FOR FY 2009-2010

In general, the NPDES Permit adopted by the Regional Board on October 25, 2002 substantiated the principal elements of the Permittees' Municipal Stormwater Management Program that was developed in 1993 during the first permit term. However, the current NPDES Permit also requires the Permittees to continue to revise or expand certain elements of the existing Stormwater Management Program and to implement certain additional items. The current Permit expired on October 25, 2007.

As the 2002 Permit expired on October 25, 2007, the District, in conjunction with the Santa Ana Permittees expect to develop the watershed's fourth term MS4 Permit with the Santa Ana Regional Board over the course of this FY.

The District also continues to work with the Regional Board staff on the development of Total Maximum Daily Loads (TMDLs) for certain pollutants identified as causing impairment of beneficial uses in Canyon Lake, Lake Elsinore, and the Santa Ana River. The TMDLs contain implementation plans that impact MS4 Permittees and that must be funded and addressed by the Permittees. The implementation plans also affect other watershed stakeholders, private landowners, and other local, state and federal government entities. Several implementation plan programs must be jointly funded and implemented by multiple stakeholders. The District will continue to spend a significant amount of time coordinating TMDL Task Forces to address joint TMDL requirements, commenting on pending TMDLs for Canyon Lake, participating in Task Force and Regional Board meetings, and coordinating and commenting on technical reports and studies required by the implementation plans.

Until the adoption of the fourth term MS4 Permit, the 2002 Permit continues to remain in effect. The following program activities will be emphasized for the coming year:

GENERAL CONSTRUCTION PERMIT

A draft General Construction Permit has been issued as part of the renewal of the Permit. The proposed permit as currently written is exponentially more stringent than the current Permit. The District, as the principal permittee for all three MS4 permits, has and will continue to take the lead on coordinating with the State and other interested parties on shaping the proposed Permit.

LID PROJECT

In summary, the project proposes to construct, test and evaluate a variety of integrated management practices (IMPs) that serve as hydraulic and hydrologic controls consistent with the low impact development (LID) planning and design approach. In addition, the project proposes monitoring and testing components.

The project will also provide a facility that can be used for demonstrating and evaluating the effectiveness of LID IMP techniques in southern California. The centralized location is convenient for training residents, regulators, developers, municipal employees, engineers and other interested stakeholders from many southern California communities. Construction is expected to begin in the fall.

PROGRAM MANAGEMENT

As Principal Permittee, the District conducts certain activities to coordinate the efforts of the other Permittees and facilitate compliance with the Permit. These activities include chairing monthly meetings of the combined Santa Ana/Santa Margarita Technical Advisory Committee, administration of area-wide programs (e.g., public education, household hazardous waste collection, hazardous material spill response, stormwater sample collection and analysis), program development and preparation of the Annual Report to the Regional Board. Implementation of the revised SA/SMR DAMP programs will be the most significant program management activity for FY 2009-2010. The District will also focus its efforts on identifying and commenting on statewide issues that affect local storm water programs.

In addition, the District will coordinate the selection of a consultant to assist with the negotiation of the tentative permit requirements.

BEST MANAGEMENT PRACTICES

The current Permit incorporates by reference the Permittees' Santa Ana Regional DAMP that identifies BMPs the Permittees are to develop and implement, either collectively or as individual agencies. The Permittees' compliance with the Permit is determined in part by their timely implementation of these BMPs. The Permit requires an annual review and update of the SAR DAMP.

AREA-WIDE PROGRAMS

The District will also continue to provide financial support for several important "area-wide" BMP programs implemented on behalf of the Permittees. Major revisions to these programs include enhancement to address TMDL and 303(d) listed pollutants associated with urban runoff. The programs include:

Public Education

Coordination and oversight of the area-wide NPDES public education and outreach efforts, including public events, school and adult education programs, printed brochures and commercial mass-media campaigns. Continued development and distribution of focused educational outreach materials for specific industries and businesses such as restaurants, auto repair shops, mobile cleaning businesses, and other commercial and industrial activities that are potential sources of stormwater pollution.

Training for Municipal Employees

Municipal training programs to improve understanding of NPDES Permit requirements and stormwater BMPs. The classes focus on methods to reduce and/or eliminate sources of stormwater pollution from public agency facilities and activities. Training will be conducted specifically for construction inspection staff, industrial/commercial facilities inspection staff, municipal facilities maintenance staff, and staff responsible for new development/re-development project review.

Hazardous Materials Emergency Spill Response

Providing financial support to the County Fire Department's Hazardous Materials Emergency Spill Response Team to ensure that hazardous chemical incidents (spills or illegal dumping) are responded to quickly and effectively cleaned up.

Household Hazardous Waste Collection / ABOP

Providing financial support to the County Waste Management Department to support ongoing mobile Household Hazardous Waste (HHW) collection events and operation of the ABOP (Antifreeze, Batteries, used motor Oil, and latex Paint) program that provide local residents with opportunities to properly dispose of HHW.

Compliance Assistance Program

Continuation of a partnership with the County Environmental Health Department to conduct outreach and education to specific commercial establishments and industrial facilities in conjunction with existing facility inspection programs. In addition, this program will provide feedback through survey forms concerning the compliance status of commercial and industrial facilities to both Permittees and the Regional Board.

WATER QUALITY MONITORING

On behalf of all Permittees, the District conducts both wet and dry weather sample collection and analysis in accordance with the Permit's Monitoring and Reporting Program. Coordinating and conducting monitoring in support of the Regional Board's TMDL development for Canyon Lake, Lake Elsinore, and Reach 3 of the Santa Ana River has resulted in additional demands being placed on the current Water Quality Monitoring Program.

LEGAL AUTHORITY

Continue to work on facilitating coordinated and consistent enforcement of local stormwater quality and soil erosion ordinances through development and implementation of the Permittees' enforcement procedures described in the DAMP. Conduct periodic surveillance of District facilities to detect and curtail sources of illegal discharges.

NEW DEVELOPMENT

The District will continue to implement the WQMP required of all qualified development projects. New developments were required to develop WQMPs beginning January 1, 2005. The District will continue to provide training sessions as a forum to address concerns municipal staff encounter while reviewing the submitted WQMPs.

The District is developing a revised BMP design manual (DAMP Appendix O, Exhibit C). The revised manual will include a prioritized list of structural treatment control BMPs for new developments. The design guidance will also provide additional BMPs to address the high priority water quality problems within western Riverside County, particularly pathogens and nutrients that have been the subject of recently adopted Total Maximum Daily Loads (TMDLs). The District is also coordinating the development of a public maintenance mechanism for implementation by the County of Riverside.

MUNICIPAL FACILITIES AND ACTIVITIES

Continue to implement the provisions of the NPDES Permit's Municipal Facilities Strategy as described in the revised DAMP, including improvements to structural facilities at the District's headquarters, municipal employee training activities, and reduction and/or elimination of stormwater pollution sources at public agency facilities.

CONCLUSIONS AND RECOMMENDATIONS

The area-wide Municipal Stormwater Program for the Santa Ana Watershed has been implemented in an efficient, cost-effective manner through the ongoing cooperative efforts of the District, the Co-Permittees, the Regional Board and the Riverside County Fire Department and Environmental Health Department. The District's NPDES Program activities, which are funded by these SAWBAA assessments, are required to comply with the current NPDES Permit for the Santa Ana Watershed and enforceable provisions of the California Water Code and the Federal Clean Water Act which regulate the discharge of stormwater from municipally owned storm drains and flood control facilities. These mandatory Stormwater Management Program activities are an essential component of the District's continuing operation and maintenance of its critical public safety facilities; therefore, the following action is recommended:

Levy a Flood Control Benefit Assessment in the Santa Ana Watershed Benefit Assessment Area at an unchanged rate of \$3.75 per benefit assessment unit for FY 2009-2010.

GLOSSARY

ABOP – A permanent collection facility that accepts Anti-freeze, Batteries, Oil and latex Paint for recycling and/or proper disposal

BAU – Benefit Assessment Unit

BMP – Best Management Practice

CAP - Commercial/Industrial Compliance Assistance Program

CRWQCB - California Regional Water Quality Control Board

CWA – Clean Water Act

District – The Riverside County Flood Control and Water Conservation District

FY – Fiscal Year

HAZMAT Team – Hazardous Materials Emergency Response Team

HHW – Household Hazardous Waste. Commonly used household chemicals that may be toxic or require special handling for proper disposal, e.g., automotive fluids, pesticides, fertilizers, paint, cleaning products, pool chemicals, etc.

NPDES – National Pollutant Discharge Elimination System

Order R8-2002-0011 - Santa Ana Regional Board Order adopted on October 25, 2002

Regional Board - California Regional Water Quality Control Board – Santa Ana Region

ROWD - Report of Waste Discharge (NPDES Permit Re-application)

SA/SMR DAMP – Santa Ana/Santa Margarita Regional Drainage Area Management Plan

SAWBAA – Santa Ana Watershed Benefit Assessment Area

SWRCB – State Water Resources Control Board

TMDL - Total Maximum Daily Load

USEPA – United States Environmental Protection Agency

APPENDIX A

Proposed NPDES Program Budget for FY 2009-2010

APPENDIX A

**SANTA ANA WATERSHED BENEFIT ASSESSMENT AREA
PROPOSED NPDES PROGRAM BUDGET FOR FY 2009-2010**

STAFFING

Staff Salaries	\$434,300
Staff Benefits	177,200
Other Pay (Standby/Shift Differential/Overtime)	<u>5,000</u>
Subtotal	\$616,500

ADMINISTRATION & OVERHEAD

Administration & Overhead	\$290,550
County Counsel Services	10,000
Equipment Lease / Rental	0
Vehicle Mileage	12,490
Photocopying / Reproduction	31,000
Miscellaneous (Photography, Communications, Supplies, etc.)	<u>40,130</u>
Subtotal	\$384,170

GENERAL CONSULTANT SERVICES

Permit Compliance Assistance	\$290,500
LID Demonstration Facility Design	20,000
Benefit Assessment Services	<u>26,000</u>
Subtotal	\$336,500

PUBLIC EDUCATION PROGRAM

Education Program: Contract Services / Presentations	\$255,200
Education Program: Production / Materials / Media	<u>222,440</u>
Subtotal	\$477,640

WATER QUALITY MONITORING PROGRAM

Laboratory Services	\$130,300
SMC/SCWRP Regional Monitoring Program	40,000
Small Tools & Equipment	<u>15,500</u>
Subtotal	\$185,800

POLLUTION PREVENTION PROGRAMS

HAZMAT Response Team (Fire Dept.)	\$292,000
Household Hazardous Waste Program (Waste Management Dept.)	240,000
Compliance Assistance Program (Environmental Health Dept.)	64,090
Santa Ana WQS Workgroup	350,000
Contributions to other efforts	<u>127,500</u>
Subtotal	\$1,073,590

PROGRAM SUBTOTAL

\$3,074,200

CONTINGENCY (10%) \$307,420

Assessor's/Treasurer's Office Line Item Charges (\$0.45/parcel) \$153,071

TOTAL EXPENDITURES **\$3,534,691**

FUND BALANCE FROM FY 2008-2009 (est.) \$3,844,021

PROJECTED REVENUE \$2,116,109

CASH AVAILABLE **\$5,960,130**

PROJECTED FUND BALANCE **\$2,425,439**

APPENDIX B

**RCFC&WCD Ordinance No. 14
(May 14, 1991)**

APPENDIX C

Map of Santa Ana Watershed Benefit Assessment Area

APPENDIX D

**FY 2009-2010 SAWBAA Assessment Roll
(Under Separate Cover)**