



RIVERSIDE COUNTY
WATERSHED PROTECTION

2018-2019

ANNUAL PROGRESS REPORT

TO THE
SANTA ANA REGIONAL WATER QUALITY CONTROL BOARD

SARWQCB ORDER NO. R8-2010-0033
NPDES NO. CAS 618033

NOVEMBER 30, 2019

BY THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT,
COUNTY OF RIVERSIDE AND CITIES OF RIVERSIDE COUNTY (SANTA ANA REGION)

CERTIFICATION
for the
FY 2018-2019 Santa Ana Region Annual Report



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.

Signed: Richard Boon
RICHARD J. BOON
Chief of Watershed Protection Division
Riverside County Flood Control
and Water Conservation District

ACKNOWLEDGMENT

The District would like to thank the following agencies and their stormwater program representatives for supplying information used in the 2018-2019 Annual Report.

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Calimesa	Ms. Lori Askew
Canyon Lake	Mr. Chris Mann
Corona	Mr. Cordell Chavez
Eastvale	Mr. Kris Hanson
Hemet	Mr. Daniel Cortese
Jurupa Valley	Mr. Bob Makowski
Lake Elsinore	Ms. Rita Thompson
Menifee	Mr. Jonathan Smith
Moreno Valley	Mr. Michael Wolfe
Norco	Mr. Sam Nelson
Perris	Mr. Daryl Hartwell
Riverside	Mr. Michael Roberts
Riverside County	Mr. Alonzo Barrera
San Jacinto	Mr. Robert Johnson

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P8/228378

EXECUTIVE SUMMARY

Executive Summary

The Riverside County Watershed Protection Program (Program) is a cooperative municipal regulatory compliance initiative focused on the management of urban and stormwater runoff for the protection and enhancement of Riverside County's creeks, rivers, streams, and lakes. The Program partners comprise of the County of Riverside (County), incorporated cities in Riverside County, Riverside County Flood Control and Water Conservation District (District) as well as the Coachella Valley Water District. The partners work together to develop effective and innovative programs aimed at improving water quality and managing stormwater runoff throughout their respective watersheds.

The Program encompasses three different watersheds: Santa Ana River, Santa Margarita River and Whitewater River, each regulated by the Santa Ana, San Diego, and Colorado River Regional Water Quality Control Boards (Regional Board), respectively. As a result, three different National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permits administered by the above-mentioned Regional Boards have been issued to the District, the County, and the incorporated cities (collectively, Permittees) that fall under each respective Regional Board jurisdiction.

The main purpose of this report is to comply with the Santa Ana Region MS4 Permit by reporting on the status of stormwater program activities undertaken by the Permittees from July 1, 2018 to June 30, 2019. Descriptions of the various programmatic activities and an evaluation of their effectiveness are found in this report. Compliance activities include implementing Low Impact Development (LID) on a county-wide basis, public education and outreach, conducting regulatory oversight of new construction and industrial and commercial facilities, municipal housekeeping, and environmental monitoring.

Santa Ana Region Permittee accomplishments during the Fiscal Year 2018-2019 include:

- 75 public education presentations made to 6,072 local elementary school students educating them on stormwater pollution prevention across all three watersheds with 46 presentations conducted and 4,557 students reached in the Santa Ana Region.
- Finalized and implementing the five-year Riverside County Watershed Protection Program Public Education Strategic Plan which will apply Community Based Social Marketing-based approaches to the issue of eliminating dry weather runoff arising from excess irrigation runoff.
- An updated and continued Riverside County Watershed Protection Program social media presence including a website (<https://www.rcwatershed.org/>), Facebook page and monthly newsletter for subscribers.
- 29,067 Santa Ana River Watershed residents attended these Household Hazardous Waste/Antifreeze, Batteries, Oil, and Paint (HHW/ABOP) events compared to the 21,327 participants in FY 2017-2018 resulting in the safe disposal of 2,631,801 pounds of waste

EXECUTIVE SUMMARY

compared to 2,623,941 pounds in FY 2017-2018.

- Continued implementation of the Water Quality Management Plan (WQMP) Template and Guidance documents for new development and significant redevelopment incorporating LID-based Best Management Practices (BMPs) that are built and completed.
- A total amount of 121 WQMP private and public combined projects were approved by the respective Permittees consisting of a total amount of 3,660 acres that will mitigate pollutants through the use of LID BMPs, etc.
- Implementation of the Hydromodification Management Plan (HMP) Evaluation Program including completion of initial field surveying, GIS metrics and field observations for both approved HMP sites.
- 11,415 estimated total tons of waste removed by Permittee street sweeping and 13,744 total estimated tons of waste removed from Permittee open channels.
- Investigation of 1,088 illicit connections and/or illegal discharges.
- Development and implementation of a Geographical Information System (GIS) based application for industrial facility and commercial inspection record management.
- Continued implementation of the innovative bacteria Total Maximum Daily Load (TMDL) program for the Middle Santa Ana River (Reach 3) and the nutrient TMDL program for Canyon Lake and Lake Elsinore.
- Continued active participation and leadership in the California Stormwater Quality Association (CASQA) and Stormwater Monitoring Coalition (SMC).
- Completion of the dry weather monitoring programs, including the dry weather MS4 outfall and receiving water programs, IDDE program, and SMC bioassessment.
- Completion of wet weather sampling at all MS4 outfalls and receiving water stations.
- In response to the recent Holy Fire, which burned approximately 23,000 acres, the District removed 178,904 CY of debris flow sediment collectively from Leach Canyon Dam and McVicker Canyon Basin throughout the storm season (October to May). Without these maintenance efforts this material would have been conveyed by storm flows to Lake Elsinore. Sediment samples were taken by District staff and analyzed by the contracted laboratory to evaluate the nutrient load concentrations that were effectively prevented from entering the lake by the District maintenance activities.
- The District partnered with the Inland Empire Building Industry Association (BIA) on providing the development community a refresher workshop on the SAR WQMP's current requirements.

Bacterial indicators and nutrients remain the watershed's priority pollutants of concern. Based on the wet weather historical analysis this year, the parameters that most often were detected above the WQOs were consistent with historical results in the SAR and included the bacterial indicator *E. coli* and dissolved copper. Although nitrogen-nutrients have previously been identified as a regional pollutant of concern, nitrogen-nutrients were not found to be in concentrations above the applicable WQO's during the 2018-2019 monitoring year. *E. coli* and dissolved copper concentrations were above WQOs during at least one wet weather event at six of seven MS4 outfall stations. Where

EXECUTIVE SUMMARY

statistically significant trends could be identified, as found for wet weather data from two outfalls, the concentrations of dissolved copper appear to be decreasing with time. Based on the dry weather historical analysis over the period of record, visited-not-sampled events (e.g., sites that are dry or have insufficient flow for sampling) have become more common. In dry weather, *E. coli* was above the WQO where sampled at the outfall stations with the exception of one station. At the receiving water stations, dry weather samples were only collected at the Santa Ana River at Highgrove, and *E. coli* was below the WQO. In dry weather monitoring nitrogen-nutrients were not found to be in concentrations above the applicable WQO's during the 2018-2019 monitoring year, with the exception of one outfall station sampled in dry weather. The monitoring results and assessments are provided in detail in Section 11.

The Permittees assess program effectiveness using (1) the recommendations and findings arising from regulatory audits, (2) metrics based on the CASQA Effectiveness Assessment Guidance document that helps to correlate program compliance activities with their potential to enhance water quality and (3) findings from analyses of the dry and wet weather monitoring data. Arising from this assessment, the Permittees anticipate there being a focus in FY 2019-2020 on the application of Geographical Information Systems (GIS)-based applications to improve data management and better enable program effectiveness assessment at both the regional and jurisdictional scales.

A notable challenge that the Permittees are anticipating in FY 2019-2020 is the formulation of a new Fifth-Term Regional MS4 Permit with the likely inclusion of new mandates, notably the State Trash Amendments and a requirement for development of a watershed management approach.

INTRODUCTION

Introduction

The Riverside County Watershed Protection Program (Program) is a cooperative municipal regulatory compliance initiative focused on the management of urban and stormwater runoff for the protection and enhancement of Riverside County's creeks, rivers, streams, and lakes. The primary objective of the Program is to fulfill the commitment of the Riverside County Flood Control and Water Conservation District (District), County of Riverside and the cities of Riverside County (collectively, "Permittees"), to develop and implement a program that satisfies the requirements of an area-wide municipal National Pollutant Discharge Elimination System (NPDES) Municipal Separate Storm Sewer System (MS4) permit, specifically, Santa Ana Regional Water Quality Control Board (Santa Ana Regional Board) Order R8-2010-0033 (2010 SAR MS4 Permit). The 2010 SAR MS4 Permit was issued an Administrative Extension as it expired in January 2015. It is anticipated that the permit negotiations for the draft permit will resume in FY 2019-2020.

The purpose of this document is to comply with the requirement for an annual submittal of a progress report. This report discusses the Permittees' NPDES Permit compliance activities over the period July 1, 2018 to June 30, 2019. It includes a description of all activities that were conducted during the reporting period and an assessment of program effectiveness. These compliance activities include countywide implementation of Low Impact Development (LID) and Hydromodification control strategies as part of local land development regulation, delivery of a public education and outreach campaign and regulatory oversight of construction activities, municipal infrastructure management and the built environment.

PURPOSE OF REPORT AND REPORTING FORMAT

The 2010 SAR MS4 Permit requires the Permittees to report on the progress and status of their stormwater program activities in an annual report. This Annual Report is intended to comply with that requirement and also chronicle and evaluate the Program's contribution to the protection and enhancement of Riverside County's creeks, rivers, streams, and lakes. Consequently, this report:

- Describes all activities that were conducted during the reporting period to comply with the MS4 Permit;
- Assesses program effectiveness; and
- Identifies areas of future program development which may involve either enhanced implementation or new program initiatives.

This annual report reflects the content of the program's principal planning document, which is the Drainage Area Management Plan (DAMP). The DAMP comprises policy and program guidance and jurisdiction specific Local Implementation Plans (LIPs). Accordingly, this report comprises:

- A countywide unified assessment (this Annual Progress Report); and
- Jurisdictional assessments completed separately by each Permittee (individual reports prepared by each Permittee are found in **Appendix J.**)

INTRODUCTION

Summary tables appear throughout this report that summarize the information pertaining to the various program activities implemented by the Permittees. While the District aggregates the information presented in the summary tables, the information is provided by each of the individual Permittees. For additional information regarding any individual Permittee's program, the readers of this report should refer to that Permittee's annual reporting forms provided in **Appendix J – Permittee Reports**.

The remainder of this report reviews the Permittees' accomplishments over the course of the reporting period and presents the status of the Permittees' ongoing efforts and planned activities to implement their respective municipal stormwater programs and comply with the provisions of the 2010 SAR MS4 Permit.

BACKGROUND

The Program addresses the impacts to creeks, rivers, streams, and coastal waters that can arise from the imprint of urban development on the landscape. Urbanization creates rooftops, driveways, roads and parking lots which (1) increase the timing and volume of rainfall runoff (compared to pre-development conditions) and (2) provide a source of pollutants that are flushed or leached by rainfall runoff or dry weather runoff into surface water systems. The environmental consequences of these impacts can be a loss or impairment of aquatic beneficial uses due to:

- Water quality degradation from increased loadings of sediment, nutrients, metals hydrocarbons, pesticides, and bacteria;
- Stream channel instability and habitat loss from increased severity and frequency of runoff events; loss of groundwater recharge; and
- Increased water temperatures from solar energy absorption by urban surfaces and elimination of riparian shading.

CLEAN WATER ACT

The 1972 Federal Water Pollution Control Act, subsequently known as the Clean Water Act (CWA), established the NPDES permitting program to regulate the discharge of pollutants to waterways. In 1987, Congress passed an Amendment to the CWA, the Water Quality Act, which brought stormwater discharges into the NPDES permitting program. United States Environmental Protection Agency (USEPA) subsequently promulgated stormwater regulations (40 CFR Parts 122, 123 and 124) on November 16, 1990, which established NPDES permit application requirements for municipal storm drain system operators and industrial dischargers of stormwater.

INTRODUCTION

MUNICIPAL NPDES STORMWATER PERMITS

In response to the stormwater regulations, the Permittees have obtained, renewed, and complied with NPDES stormwater permits from the Santa Ana Regional Board. Each permit renewal has required the Permittees to coordinate the development and implementation of surface water (i.e., creeks, rivers, streams, and coastal waters) quality protection and management program to:

- Effectively prohibit non-stormwater discharges into the storm sewers; and
- Reduce the discharge of pollutants to the maximum extent practicable (MEP), using management practices, control techniques and system, design and engineering methods, and such other provisions as the Administrator or the State determines appropriate for the control of such pollutants.

SANTA ANA RIVER WATERSHED

Figure I-1 shows a map of the Permit area that includes the Principal Permittee (District) and the Permittees' jurisdictional areas within the Santa Ana Region that pertains to Riverside County. Land use types are also displayed in this figure.

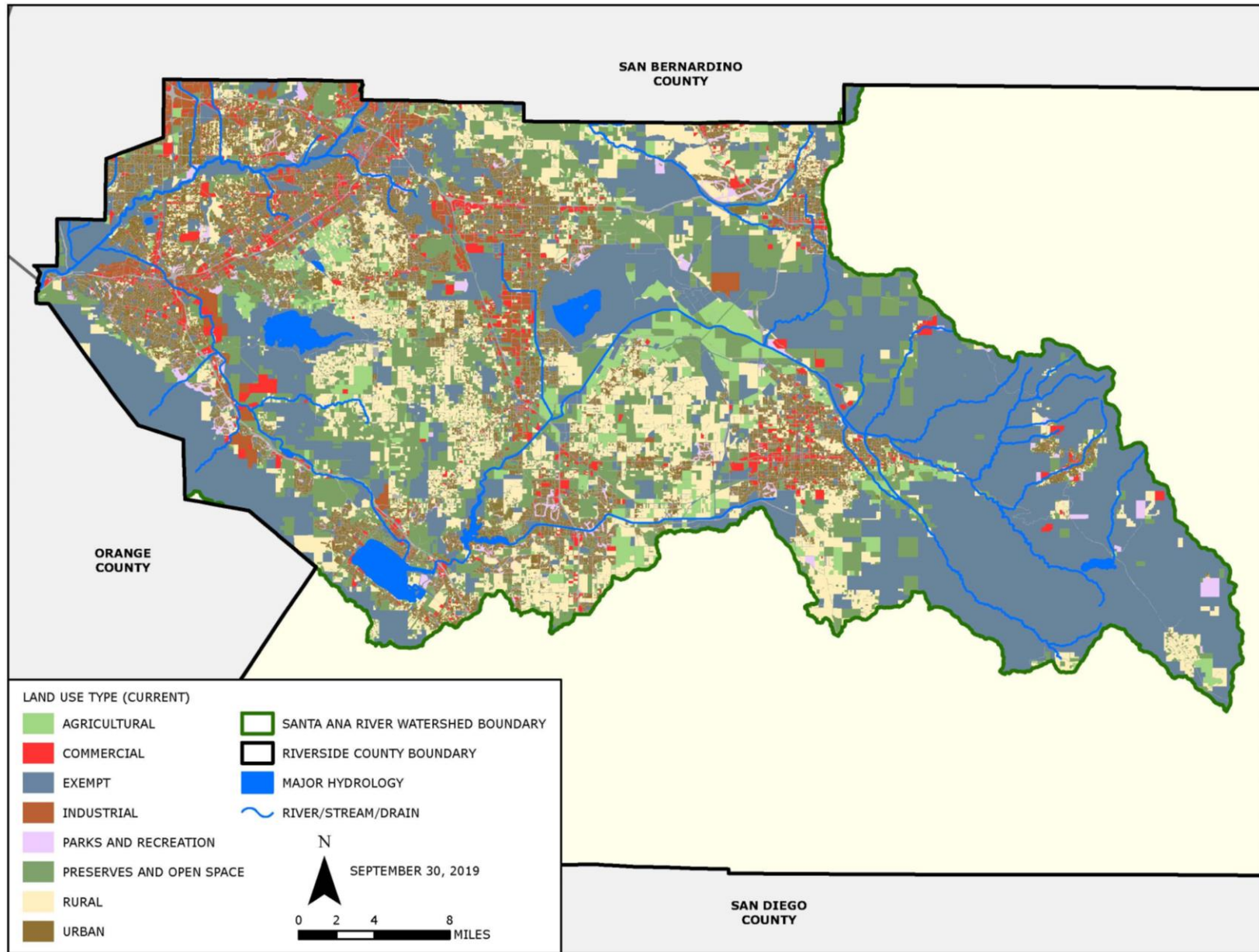


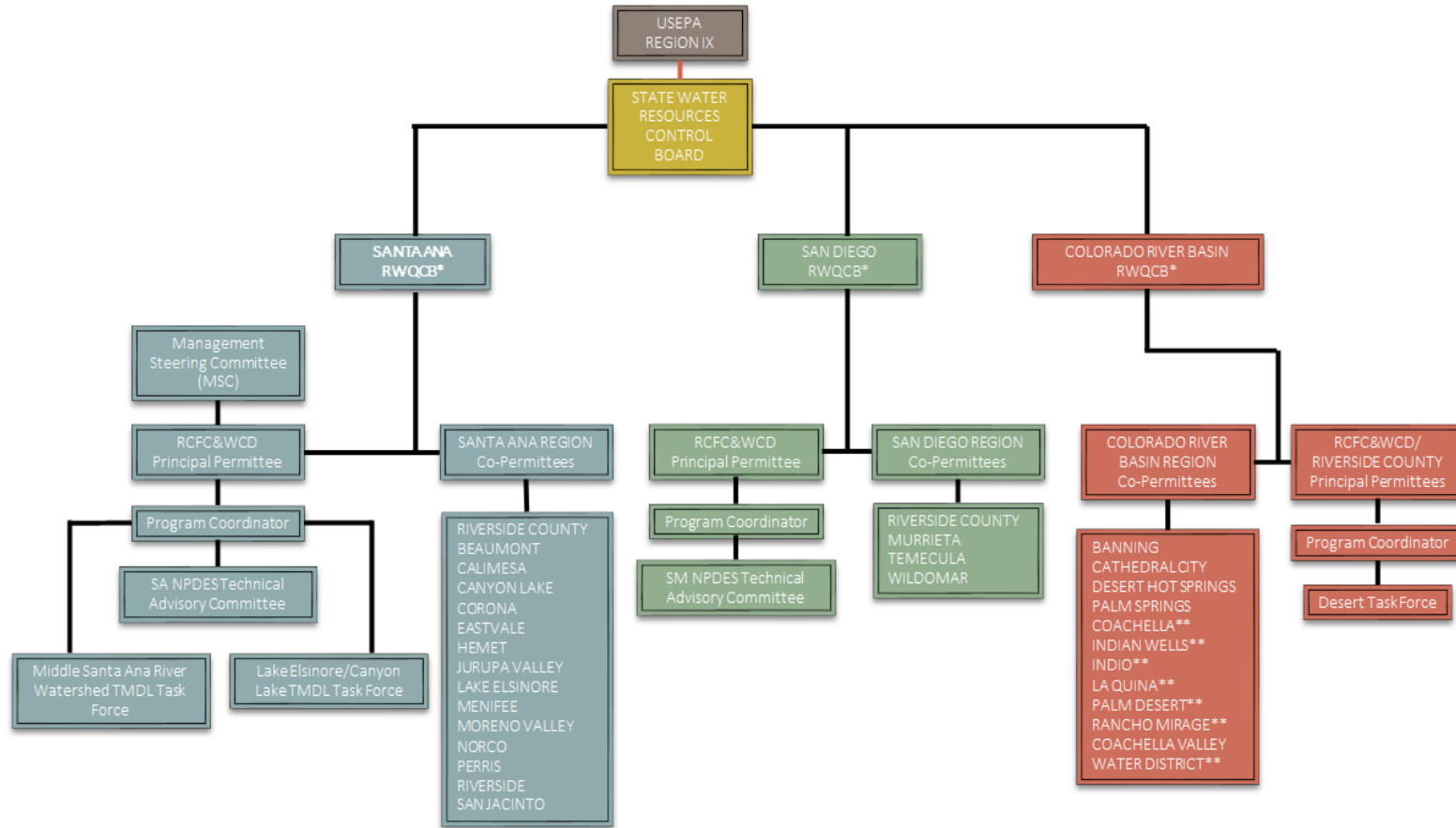
FIGURE I-1 MAP OF PERMIT AREA

PROGRAM MANAGEMENT

1. PROGRAM ORGANIZATION

The 2010 SAR MS4 Permit was adopted on January 29, 2010 by the Santa Ana Regional Board whom designates the District as the Principal Permittee. The County of Riverside, and the Cities of Beaumont, Calimesa, Canyon Lake, Corona, Hemet, Lake Elsinore, Menifee, Moreno Valley, Murrieta, Norco, Perris, Riverside, San Jacinto and Wildomar are designated as Co-Permittees. Subsequently, during the adoption of the 2010 Santa Margarita MS4 Permit, the San Diego Regional Board and the Santa Ana Regional Board agreed to allow the cities of Murrieta and Wildomar to be wholly regulated under the San Diego Regional Board for the purposes of the MS4 Permit requirements, while Menifee would be wholly regulated under the Santa Ana Regional Board for the purposes of the MS4 Permit requirements. On June 7, 2013 the Santa Ana Regional Board adopted Order No. R8-2013-0024 amending Order No. R8-2010-0033, NPDES No. CAS 618033 to add the newly incorporated cities of Eastvale and Jurupa Valley to the list of Permittees. The Order also removed two cities, Murrieta and Wildomar, from the list of Permittees and added all portions of the City of Menifee under the Order, including those portions that are under the jurisdiction of the San Diego Regional Board. In accordance with the San Diego MS4 Permit, Order No. R9-2010-0016, the Cities of Murrieta and Wildomar are required to comply with the applicable provisions of the Santa Ana MS4 Permit, Order R8-2010-0033, pertaining to implementation of the nutrient total maximum daily loads (TMDL) program pertaining to Lake Elsinore and Canyon Lake. Similarly, Order R8-2010-0033 requires the City of Menifee to comply with any TMDLs and associated MS4 Permit requirements issued by the San Diego Regional Board that includes the City of Menifee as a responsible party. The 2010 SAR MS4 Permit expired in January 2015 and was issued an Administrative Extension until a new Fifth-Term MS4 Permit is issued to the Santa Ana Region Permittees.

The responsibilities of the Principal Permittee and the Co-Permittees are defined in Section III of the 2010 SAR MS4 Permit. **Figure 1-1** illustrates the relationships between the regulatory agencies, the Principal Permittee, the Co-Permittees, and the other municipal stormwater permit areas in the County.



*Regional Water Quality Control Board
 ** Cities/Agencies located outside RCFC&WCD

FIGURE 1-1 ORGANIZATIONAL CHART – RIVERSIDE COUNTY NPDES MUNICIPAL STORMWATER PERMITS

**PROGRAM MANAGEMENT
MANAGEMENT STEERING COMMITTEE**

The Management Steering Committee (MSC) met twice during FY 2018-2019 and was facilitated through the Western Riverside Council of Governments (WRCOG) Technical Advisory Committee (TAC) which consists of the City Managers, Public Works Directors, and other essential Co-Permittee staff. The program updates provided to the MSC described the urban runoff management policies for the Permit Area provided updates regarding CBRP and CNRP implementation, the Public Education Strategic Plan, regulatory audit activity, stormwater legislative updates, and included information regarding the Trash Amendments. The meeting agendas and minutes are included in **Appendix A**. In addition, **Table 1-1** provides the record of attendance for the MSC meetings.

PROGRAM MANAGEMENT

TABLE 1-1 ATTENDANCE AT NPDES SANTA ANA MSC MEETINGS

	January 17, 2019	May 16, 2019
RCFC	✓	✓
County	✓	✓
Beaumont	✓	✓
Calimesa	✓	✓
Canyon Lake	✗	✓
Corona	✓	✓
Eastvale	✓	✓
Hemet	✓	✓
Jurupa Valley	✓	✓
Lake Elsinore	✗	✓
Menifee	✓	✓
Moreno Valley	✓	✓
Norco	✓	✓
Perris	✗	✓
Riverside	✓	✓
San Jacinto	✓	✓



Attended Meeting



Did Not Attend

PROGRAM MANAGEMENT
TECHNICAL ADVISORY COMMITTEE

The Technical Advisory Committee (TAC) consists of representatives formally appointed by each Permittee's City Manager or equivalent. The purpose of the TAC is to coordinate the implementation of the DAMP and overall MS4 Permit compliance program. The District chairs and provides staff support to the TAC. TAC meeting sign-in sheets, agendas and minutes are included in **Appendix A**.

PROGRAM MANAGEMENT

Table 1-2 Attendance at FY 2018-2019 NPDES Santa Ana Technical Advisory Committee Meetings

	26-Jul-18	23-Aug-18	27-Sep-18	25-Oct-18	22-Nov-18	13-Dec-18	24-Jan-19	28-Feb-19	28-Mar-19	25-Apr-19	23-May-19	27-Jun-19
RCFC	✓	DARK	✓	✓	DARK	✓	✓	✓	✓	✓	✓	✓
County	✓	DARK	✓	✓	DARK	✓	✓	✓	✓	✓	✓	✓
Beaumont	✓	DARK	X	X	DARK	✓	✓	✓	✓	✓	X	X
Calimesa	✓	DARK	X	✓	DARK	✓	✓	✓	✓	✓	✓	✓
Canyon Lake	✓	DARK	✓	✓	DARK	✓	X	X	X	X	X	X
Corona	✓	DARK	✓	X	DARK	✓	✓	✓	✓	✓	✓	✓
Eastvale	✓	DARK	✓	✓	DARK	✓	✓	✓	✓	✓	✓	✓
Hemet	✓	DARK	✓	✓	DARK	✓	✓	✓	✓	✓	✓	✓
Jurupa Valley	✓	DARK	✓	✓	DARK	✓	✓	✓	✓	✓	✓	✓
Lake Elsinore	✓	DARK	✓	✓	DARK	X	✓	✓	✓	✓	✓	✓
Menifee	✓	DARK	✓	✓	DARK	✓	✓	✓	✓	X	✓	✓
Moreno Valley	✓	DARK	✓	✓	DARK	✓	✓	✓	✓	✓	✓	✓
Norco	X	DARK	✓	✓	DARK	✓	✓	✓	✓	X	✓	✓
Perris	✓	DARK	✓	X	DARK	✓	✓	✓	✓	✓	✓	X
Riverside	✓	DARK	✓	X	DARK	✓	✓	✓	✓	✓	✓	✓
San Jacinto	X	DARK	✓	✓	DARK	✓	✓	✓	✓	✓	✓	✓
RWQCB Santa Ana	✓	DARK	X	X	DARK	✓	✓	✓	X	✓	✓	X

✓ Attended Meeting

X Did Not Attend

PROGRAM MANAGEMENT

SUB-COMMITTEES

Public Education

The Permittees have established an ongoing watershed based public education and outreach program known as the Riverside County Watershed Protection Program. The objectives of the public education program are discussed in **Section 12**.

Stormwater Monitoring Coalition (SMC)

The District participates in the SMC on behalf of the Permittees. The SMC includes representatives from the Los Angeles, San Diego and Santa Ana Regional Boards, and each of the Principal Permittees in southern California (i.e., the Counties of Los Angeles, Orange, San Bernardino, San Diego, and Ventura, etc.), and other interested municipalities. The overall goal for the SMC is to establish a southern California stormwater research and monitoring agenda that focuses on improving stormwater monitoring science, coordinating data collection efforts, and evaluating the effects of stormwater discharges to receiving waters specific to southern California. The SMC meeting agendas and reports for SMC on-going projects are available online at <http://socalsmc.org/>.

TMDL Task Forces

Riverside County Permittees within the Middle Santa Ana River (MSAR) Watershed (MSAR Permittees) participate in the MSAR Bacterial Indicator TMDL Task Force (MSAR TMDL Task Force). Riverside County Permittees within the San Jacinto River (SJR Permittees) Watershed participate in the Lake Elsinore/Canyon Lake (LE/CL) Nutrient TMDL Task Force. The purpose of the TMDL Task Forces is to facilitate a coordinated and cost-effective approach to comply with the MSAR Bacterial Indicator TMDL and LE/CL Nutrient TMDL. These task forces are coordinated by SAWPA. Activity reports that were completed by the MSAR TMDL Task Force are included in **Appendix H** and the LE/CL TMDL Task Force reports are in **Appendix I** as well as Section 11 and Section 13 of this annual report.

The District is moving forward with several projects to divert dry weather flows to the sanitary sewer system from MSAR outfalls in an effort to address the bacteria TMDL. The proposed dry weather flow diversion projects include Phoenix Storm Drain in the City of Riverside and Eastvale MDP Lines D and E in the City of Eastvale. The District recently partnered with the City of Riverside and hired a consultant to prepare 90% design plans for Phoenix Storm Drain. For Eastvale MDP Lines D and E, the District continues to work with the Jurupa Community Services District (JCSD) and conducted field measurements, field observations and water quality monitoring to determine if low flows met target limits for a potential diversion to sewer project.

Stormwater Quality Task Force (SWQTF)

The SWQSTF was created to review the recreational beneficial uses of the Santa Ana River Watershed. The goal of the SWQSTF is to effectively direct the limited funding sources allocated for TMDL compliance toward the activities that would result in the greatest measurable benefits. The SWQSTF and MSAR TMDL Task Force meetings are coordinated by SAWPA.

PROGRAM MANAGEMENT

2. FISCAL ANALYSIS

PERMITTEE BUDGETS AND EXPENDITURES

The costs incurred by the Permittees implementing the Santa Ana Region DAMP fall into two broad categories:

- **Shared Costs:** These are costs that fund activities that are principally performed by the District under the Implementation Agreement. These activities include overall stormwater program coordination, interagency agreements, partnering with CASQA, attending meetings of the Santa Ana Regional Board or State Board, and coordination of consultant studies, Permittee meetings, and training seminars.
- **Individual Permittee Costs for DAMP Implementation:** These are costs incurred by each Permittee for implementing BMPs within its jurisdiction (drainage facility inspections for illicit connections, illegal discharges, drainage facility maintenance, drain inlet/catch basin stenciling, emergency spill response, street sweeping, litter control, public education, etc.).

The Permittees' individual budgets for FY 2019-2020 and the reported expenditures for FY 2018-2019 are presented in each Permittee's individual Annual Report. A summary showing these expenditures reported by the Permittees is provided in **Table 2-1**.

TABLE 2-1 PERMITTEE BUDGETS AND EXPENDITURES

AGENCY	2018-2019 EXPENDITURES	2019-2020 BUDGET	POPULATION ¹
Beaumont	Not Reported	Not Reported	45,118
Calimesa	\$5,692	\$24,150	8,289
Canyon Lake	\$67,280	\$77,000	10,681
Corona	\$1,636,820	\$1,878,027	164,659
Eastvale	\$225,313	\$150,000	63,162
Hemet	\$746,285	\$915,803	80,070
Jurupa Valley	\$263,500	\$229,075	98,177
Lake Elsinore	\$197,160	\$558,688	61,006
Menifee	\$223,210	\$216,297	89,004
Moreno Valley	\$1,255,768	\$1,487,640	205,383
Norco	\$113,366	\$200,889	26,896
Perris	\$717,763	\$959,447	73,722
Riverside	\$4,642,430	\$5,456,466	324,696
San Jacinto	\$1,480,519	\$1,182,704	47,656

PROGRAM MANAGEMENT

AREA-WIDE PROGRAMS

AGENCY	2018-2019 EXPENDITURES	2019-2020 BUDGET	POPULATION ¹
County of Riverside	\$14,949,376	\$15,028,075	364,413
RCFC & WCD	**\$4,252,456	\$2,967,485	N/A
TOTALS	\$30,776,938	\$31,331,746	1,662,932

¹ Source: State of California, Dept. of Finance, E-1 Population Estimates, and RCIT's Riverside County Progress Report.

³ Note that populations for the County include areas that may not be wholly within the Santa Ana Region. ⁴Represents county-wide expenditures.

**See Appendix J of the District's Annual Report.

The District provides financial support for several area-wide BMP programs including Hazardous Materials Emergency Spill Response (HazMat Team), Household Hazardous Waste Collection (HHW), and the Riverside County Watershed Protection Program (Public Education). In addition, the District implements the stormwater monitoring program on behalf of all Permittees. A table summarizing FY 2019-2020 budget and FY 2018-2019 expenditures for these activities is provided in **Table 2-2**, on the following page.

**TABLE 2-2 BUDGETS AND EXPENDITURES – AREA-WIDE PROGRAMS
(SANTA ANA REGION)**

Program Element	Funding Source	FY 2017-18 Expenditures	FY 2018-19 Expenditures	FY 2019-20 Budget
Staffing Benefit Allocation, NPDES Permit Admin, Public Education & Outreach, Training Program, Water Quality Monitoring, IC/ID Program, TMDLs, LID Facility	NPDES Benefit Assessment	\$878,820.67	\$822,006.70	\$1,033,162.00
Overhead Admin Support and Data Processing & Reporting	NPDES Benefit Assessment	\$416,768.81	\$2,351,290.55 **	\$260,360.00
Consultant Services* NPDES Permit Admin, Public Education & Outreach, Training Program, Water Quality Monitoring, TMDLs, LID Facility, District Permit Compliance, misc. Watershed Protection Project work, NPDES Public Education *(Implementation Agreement Shared Cost)	Co-Permittees	\$489,043.00	\$569,126.06	\$1,095,788.00

PROGRAM MANAGEMENT

FUNDING SOURCES

<p>Other MS4 Program Expenses County Counsel/Legal Services, Vehicle Usage, Public Education Sponsorships & Outreach Materials, Water Quality Monitoring, and District Permit Compliance</p>	<p>NPDES Benefit Assessment</p>	<p>\$118,557.34</p>	<p>\$113, 215.75</p>	<p>\$160,330.00</p>
<p>Regional Programs & Memberships CASQA, HHW, LESJWA, Regional Water Quality Monitoring, SMC</p>	<p>NPDES Benefit Assessment</p>	<p>\$388,650.26</p>	<p>\$396,817.00</p>	<p>\$417,845.00</p>
<p>Totals</p>		<p>\$2,291,840.08</p>	<p>\$4,252,456.06</p>	<p>\$2,967,485.00</p>

* Consultant Services costs are paid by the Co-Permittees as prescribed within the 2011 NPDES Santa Ana Region Implementation Agreement.

** \$2,000,000 in District funds to help pay for emergency cleanup costs associated with the 2018 Holy Fire in the Lake Elsinore area. Costs incurred were for the removal of sediment and organic debris captured by District basins that would otherwise drain to Lake Elsinore currently impaired for nutrients. See Appendix J of the District's Annual Report.

The Permittees currently employ four distinct funding methods alone or in combination to finance their MS4 Permit compliance activities.

SANTA ANA RIVER WATERSHED BENEFIT ASSESSMENT AREA

The District established the Santa Ana River Watershed Benefit Assessment Area (SAWBAA) in May 1991. SAWBAA revenues fund both area-wide or "umbrella" DAMP activities and the District's individual MS4 Permit compliance activities. The SAWBAA covers the "urbanized" portions of the Santa Ana River Watershed within Riverside County, including both incorporated (City) and unincorporated (County) areas. Property owners are assessed for the benefit derived from the development and implementation of the DAMP activities supported or conducted by the District. Certain areas, e.g., the more rural and remote mountainous regions, were excluded from the SAWBAA since little or no urban runoff is generated in those areas. Undeveloped, vacant parcels and agricultural parcels are exempted from the benefit assessment. Assessments are calculated by the District and enrolled on the property tax bills generated by the County Tax Assessor's Office.

PROGRAM MANAGEMENT

The amount of the assessment is based on a parcel's proportionate contribution to urban runoff, which is a function of parcel size and its use.

Since the SAWBAA is an area-wide revenue source, certain activities and programs that are considered of common and equal benefit to the entire area are financed, either wholly or in part, by the funds generated by the District's annual benefit assessment revenue. These area-wide activities include:

- Monitoring Program (consolidated program for water quality monitoring);
- Contributions to CASQA memberships;
- ABOP/HHW Collection Program – Information regarding HHW collection events provided as **Appendix C**;
- Participation in the Southern California Stormwater Monitoring Coalition (SMC);
- Riverside County Watershed Protection Program (Public Education); and
- Administrative/Program Management.

COUNTY SERVICE AREA 152

The County of Riverside formed County Service Area 152 (CSA 152) in December 1991 to provide funding for MS4 Permit compliance activities. Originally, the CSA 152 assessment was collected through property tax bills as an annual parcel charge in the unincorporated portions of the County. In FY 1993-1994, the County adopted the same methodology (proportional runoff) for assessment calculations used by the District. In FY 1995-1996, the County developed a modified assessment methodology and began using the Transportation and Land Management Agency's Geographic Information System (GIS) to perform the assessment calculations.

Under the laws that govern CSAs, subareas may be established within the overall service area with different assessment rates set within each subarea. For example, the Cities of Corona, Lake Elsinore, Moreno Valley, Norco, Riverside, and San Jacinto elected to participate in CSA 152. Under the CSA 152 program, individual Cities determine their respective assessment rates and have broad discretion over how to allocate the funds. Several of these Cities also reported that they supplement their CSA 152 revenue with general fund and other sources of revenue.

STREET SWEEPING ASSESSMENT

In response to the provisions of Proposition 218, the County restructured its CSA 152 funding program as a voter-approved street sweeping assessment in certain unincorporated areas. At the same time, the County has allowed the participating Cities to continue their previously existing CSA 152 assessments to go relatively unchanged.

PROGRAM MANAGEMENT

UTILITY CHARGE

The City of Hemet funds a portion of its NPDES program activities through a utility charge. The charge is collected via the monthly utility bills issued by the City of Hemet, the Lake Hemet Water District, or Eastern Municipal Water District according to the respective service areas within the city.

In addition, the City of Hemet reports using gas tax, general fund, and other revenues to support certain stormwater management activities.

GENERAL FUND / OTHER REVENUES

The remaining Permittees utilize general fund revenue to finance their NPDES activities. Several of the Permittees currently rely on their general fund to finance their DAMP activities.

In November 1996, California voters approved Proposition 218 ("The Right to Vote on Taxes Initiatives") amending Article XIII of the State Constitution.¹ Proposition 218 produced changes to some of the Permittees' historic funding sources and still looms as a potential threat to others. For example, the County dropped CSA 152 fees in unincorporated areas over concerns regarding compliance with Proposition 218 provisions.

As with other municipal programs, the level of funding available for DAMP activities depends largely on the public's willingness to provide financial resources. In general, funds available for DAMP programs have become increasingly scarce as sources of municipal revenues have declined for many local agencies. The provisions of Proposition 218, requiring voter approval of new taxes and assessments, have significantly diminished the prospects for developing new or alternative funding sources.

¹ The Proposition 218 amendments require voter approval of any new taxes, fees, assessments, etc. In addition, certain existing taxes and assessments were subject to the Initiative's voter approval requirements. "Special Taxes", as defined by the Initiative, requires a 2/3^{ds} majority vote while other types of assessments may only require a simple majority. In addition, voter approval is required to raise any existing special tax or assessment rates by the Initiative and require a 2/3^{ds} majority while other types of assessments may only require a simple majority. In addition, voter approval is required to raise any existing special tax or assessment rates.

PROGRAM IMPLEMENTATION

3. LEGAL AUTHORITY/ENFORCEMENT

Provision No. VIII of the 2010 SAR MS4 Permit requires each Permittee to maintain adequate legal authority to control the discharge of pollutants to the MS4 from urban runoff and enforce those authorities.

Provision No. VIII.F of the 2010 SAR MS4 Permit requires the Permittees to annually review their stormwater ordinances and their ordinance enforcement practices to assess their effectiveness in prohibiting the discharges listed in the SAR MS4 Permit.

A summary of each Permittee's application of its legal authority, as reported to the District, is presented in **Table 3-1**, which details the investigation of 1,088 complaints regarding illicit connections and illegal discharges. Since there have been no appeals of an enforcement action, local legal authority is currently considered to be effective.

Table 3-1 – Legal Authority

LEGAL AUTHORITY/ENFORCEMENT 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT					
Provision Nos. VIII.B, XI.A.2, and XVI.F requires the Permittees to annually provide a summary of enforcement actions against violators of their stormwater codes and ordinances.					
PERMITTEE					
Beaumont	Not Reported				
Calimesa	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
	Education & Information	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Verbal Warning	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Written Warning	<u>0</u>	<u>1</u>	<u>0</u>	<u>0</u>
	Notice of Violation/Non-Compliance	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Administrative Compliance Order	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Stop Work Order or Cease and Desist Order	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Civil Citation or Injunction	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Administrative Fine	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Canyon Lake	See Permittee Report				

Table 3-1 – Legal Authority

	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
Corona	Education & Information	61 (including 25 noted in Residential)	80	568	25
	Verbal Warning	37 (including 24 noted in Residential)	15	32	24
	Written Warning	0	0	0	0
	Notice of Violation/Non-Compliance	2 (including 1 noted in Residential)	6	1	1
	Administrative Compliance Order	0	0	0	0
	Stop Work Order or Cease and Desist Order	0	0	0	0
	Civil Citation or Injunction	0	0	0	0
	Administrative Fine	0	0	0	0
	Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	0	0	0	0
	Eastvale	MS4 Programs Reporting Enforcement Actions			
Enforcement Actions		IC/ID	Construction	Industrial & Commercial	Residential
Education & Information		8	39	98	5
Verbal Warning		8	39	11	5
Written Warning		3	10	1	2
Notice of Violation/Non-Compliance		0	1	0	0
Administrative Compliance Order		0	0	0	0
Stop Work Order or Cease and Desist Order		0	0	0	0
Civil Citation or Injunction		0	0	0	0
Administrative Fine		0	0	0	0
Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	0	0	0	0	

Table 3-1 – Legal Authority

	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
Hemet	Education & Information	0	0	51	0
	Verbal Warning	9	0	18	4
	Written Warning	1	0	0	5
	Notice of Violation/Non-Compliance	0	0	0	0
	Administrative Compliance Order	0	0	0	0
	Stop Work Order or Cease and Desist Order	0	0	0	0
	Civil Citation or Injunction	0	0	0	0
	Administrative Fine	0	0	0	0
	Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	0	0	0	0
Jurupa Valley	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
	Education & Information	1		238	62
	Verbal Warning	7	5	23	0
	Written Warning	0	0	8	0
	Notice of Violation/Non-Compliance	0	0	0	0
	Administrative Compliance Order	0	0	0	0
	Stop Work Order or Cease and Desist Order	0	0	0	0
	Civil Citation or Injunction	0	0	0	0
	Administrative Fine	0	0	0	0
Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	0	0	0	0	

Table 3-1 – Legal Authority

	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
Lake Elsinore	Education & Information	13	268	34	10
	Verbal Warning	1	1	0	2
	Written Warning	5	1	0	3
	Notice of Violation/Non-Compliance	0	0	0	2
	Administrative Compliance Order	0	0	0	0
	Stop Work Order or Cease and Desist Order	0	0	0	0
	Civil Citation or Injunction	0	0	0	0
	Administrative Fine	0	0	0	0
	Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	0	0	0	0
Menifee	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
	Education & Information	2	394	32	2
	Verbal Warning	4	10	0	4
	Written Warning	0	22	12	0
	Notice of Violation/Non-Compliance	0	0	0	0
	Administrative Compliance Order	0	0	0	0
	Stop Work Order or Cease and Desist Order	0	0	0	0
	Civil Citation or Injunction	0	0	0	0
	Administrative Fine	0	0	0	0
Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	0	0	0	0	
Moreno Valley					

Table 3-1 – Legal Authority

	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
	Education & Information	<u>15</u>	<u>36</u>	<u>616</u>	<u>7</u>
	Verbal Warning	<u>2</u>	<u>51</u>	<u>0</u>	<u>1</u>
	Written Warning	<u>26</u>	<u>30</u>	<u>34</u>	<u>9</u>
	Notice of Violation/Non-Compliance	<u>15</u>	<u>0</u>	<u>0</u>	<u>4</u>
	Administrative Compliance Order	<u>14</u>	<u>0</u>	<u>0</u>	<u>4</u>
	Stop Work Order or Cease and Desist Order	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Civil Citation or Injunction	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Administrative Fine	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
	Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Norco	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
	Education & Information	N/A	N/A	N/A	N/A
	Verbal Warning	N/A	N/A	N/A	N/A
	Written Warning	N/A	N/A	N/A	N/A
	Notice of Violation/Non-Compliance	N/A	N/A	N/A	N/A
	Administrative Compliance Order	N/A	N/A	N/A	N/A
	Stop Work Order or Cease and Desist Order	N/A	N/A	N/A	N/A
	Civil Citation or Injunction	N/A	N/A	N/A	N/A
	Administrative Fine	N/A	N/A	N/A	N/A
Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	N/A	N/A	N/A	N/A	

Table 3-1 – Legal Authority

	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
Perris	Education & Information	0	0	2	3
	Verbal Warning	0	0	3	11
	Written Warning	0	0	0	5
	Notice of Violation/Non-Compliance	0	0	0	7
	Administrative Compliance Order	0	0	0	0
	Stop Work Order or Cease and Desist Order	0	0	0	0
	Civil Citation or Injunction	0	0	0	0
	Administrative Fine	0	0	0	0
	Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	0	0	0	0

Table 3-1 – Legal Authority

	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
Riverside	Education & Information	150	118	351	17
	Verbal Warning	6	83	321	6
	Written Warning	142	31	27	9
	Notice of Violation/Non-Compliance	0	0	3	0
	Administrative Compliance Order	0	0	0	0
	Stop Work Order or Cease and Desist Order	0	4	0	0
	Civil Citation or Injunction	2	0	0	2
	Administrative Fine	0	0	0	0
	Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	0	0	0	0
	*Some IC/ID Numbers are be counted in the other categories as well.				
Riverside County	Education & Information	1	5	3	27
	Verbal Warning	0	3	2	21
	Written Warning	1	1	0	2
	Notice of Violation/Non-Compliance	5	8	4	18
	Administrative Compliance Order	5	8	4	18
	Stop Work Order or Cease and Desist Order	2	2	2	0
	Civil Citation or Injunction	0	0	0	1
	Administrative Fine	0	0	0	0
	Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	2	1	0	1
	RCFC & WCD				

Table 3-1 – Legal Authority

	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
	Education & Information	13	None—see attached complaint database.		
	Verbal Warning	0			
	Written Warning	0			
	Notice of Violation/Non-Compliance	0			
	Administrative Compliance Order	0			
	Stop Work Order or Cease and Desist Order	0			
	Civil Citation or Injunction	0			
	Administrative Fine	0			
	Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	0			
*Note that the District does not have direct enforcement capabilities.					
San Jacinto	MS4 Programs Reporting Enforcement Actions				
	Enforcement Actions	IC/ID	Construction	Industrial & Commercial	Residential
	Education & Information	0	0	0	0
	Verbal Warning	0	5	0	0
	Written Warning	0	0	2	0
	Notice of Violation/Non-Compliance	0	0	0	0
	Administrative Compliance Order	0	0	0	0
	Stop Work Order or Cease and Desist Order	0	0	0	0
	Civil Citation or Injunction	0	0	0	0
	Administrative Fine	0	0	0	0
Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor)	0	0	0	0	

Table 3-1 – Legal Authority

LEGAL AUTHORITY/ENFORCEMENT
2018-2019 ANNUAL PROGRESS REPORT
SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT

PERMITTEE	Provision No. VIII.G of the MS4 Permit requires each Permittee to submit a certification statement, signed by its legal counsel, that the Permittee has obtained all necessary legal authority in accordance with 40 CFR Part 122.26(d)(2)(i)(A-F) and to comply with the MS4 Permit through adoption of ordinances and/or municipal code modifications by January 29, 2012.		
	1. Certification.	2. Changes to status of stormwater ordinances, or other legal authorities for implementing the NPDES Permit changed during the reporting period.	
		YES	NO
Beaumont	Not Reported		X
Calimesa	Included at end of Report		X
Canyon Lake	See Attachment #1- See Budget Items		X
Corona	SEE ATTACHMENT 'E'		X
Eastvale	See Attachment (A) – Certification of Legal Authority	No changes during the 18/19 Fiscal Year	X
Hemet	SEE ATTACHMENT A		X
Jurupa Valley	See Permittee Report		X
Lake Elsinore	EXHIBIT 2.1		X
Menifee	See Attachment A.	N/A	X
Moreno Valley	See Attachment A	N/A	X
Norco	See attached for legal certification letter		X
Perris	See Exhibit 3		X
Riverside	Attached to report.	N/A	X
Riverside County	Please see attached.		X
RCFC & WCD	See Permittee Report		X
San Jacinto	See Permittee Report		X

Table 3-1 – Legal Authority

LEGAL AUTHORITY/ENFORCEMENT
2018-2019 ANNUAL PROGRESS REPORT
SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT

PERMITTEE	Provision No. VIII.F requires the Permittees to annually provide a report containing a review of their Stormwater Ordinances and their ordinance enforcement programs in prohibiting the following types of discharges to the MS4. Does your Permittee's Stormwater Ordinance prohibit?				
	1. Sewage, where a Co-Permittee operates a sewage collection system?	2. Wash water resulting from hosing or cleaning of gas stations, auto repair garages and other types of automobile service stations?	3. Discharges resulting from the cleaning, repair, or maintenance of equipment, machinery or facility, including motor vehicles, concrete mixing equipment, portable toilet servicing, etc.?	4. Wash water from mobile auto detailing and washing, steam and pressure cleaning, carpet/upholstery cleaning, pool cleaning, and other mobile commercial / industrial activities?	5. Water from cleaning of municipal, industrial, and commercial sites including parking lots, streets, sidewalks, driveways, patios, plazas, work yards and outdoor eating or drinking areas, etc.?
Beaumont	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
Calimesa	NO	YES	YES	YES	YES
Canyon Lake	YES	YES	YES	YES	YES
Corona	YES	YES	YES	YES	YES
Eastvale	YES	YES	YES	YES	YES
Hemet	YES	YES	YES	YES	YES
Jurupa Valley	YES	YES	YES	YES	YES
Lake Elsinore	NO	YES	YES	YES	YES
Menifee	NO	YES	YES	YES	YES
Moreno Valley	NO	YES	YES	YES	YES
Norco	YES	YES	YES	YES	YES
Perris	YES	YES	YES	YES	YES
Riverside	YES	YES	YES	YES	YES
Riverside County	NO	YES	YES	NO	NO
RCFC & WCD	NO	NO	NO	NO	NO
San Jacinto	YES	YES	YES	YES	YES

Table 3-1 – Legal Authority

<p align="center">LEGAL AUTHORITY/ENFORCEMENT 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT</p>					
PERMITTEE	Provision No. VIII.F requires the Permittees to annually provide a report containing a review of their Stormwater Ordinances and their ordinance enforcement programs in prohibiting the following types of discharges to the MS4. Does your Permittee's Stormwater Ordinance prohibit?				
	6. Runoff from material storage areas or uncovered receptacles that contain chemicals, fuels, grease, oil, or other hazardous materials?	7. Discharges of runoff from the washing of hazardous materials from paved or unpaved areas.	8. Discharges of pool or fountain water containing chlorine, biocides, or other chemicals; pool filter backwash containing debris and chlorine?	9. Pet waste, yard waste, debris, sediment, etc.?	10. Restaurant or food processing facility wastes such as grease, floor mat and trash bin wash water, food waste?
Beaumont	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
Calimesa	YES	YES	YES	YES	YES
Canyon Lake	YES	YES	YES	YES	YES
Corona	YES	YES	YES	YES	YES
Eastvale	YES	YES	YES	YES	YES
Hemet	YES	YES	YES	YES	YES
Jurupa Valley	YES	YES	YES	YES	YES
Lake Elsinore	YES	YES	YES	YES	YES
Menifee	YES	YES	YES	YES	YES
Moreno Valley	YES	YES	YES	YES	YES
Norco	YES	YES	YES	YES	YES
Perris	YES	YES	YES	YES	YES
Riverside	YES	YES	YES	YES	YES
Riverside County	YES	NO	YES	YES	YES
RCFC & WCD	NO	NO	NO	NO	NO
San Jacinto	YES	YES	YES	YES	YES

Table 3-1 – Legal Authority

LEGAL AUTHORITY/ENFORCEMENT 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
PERMITTEE	Provision No. VIII.F requires the Permittees to annually provide a report containing a review of their Stormwater Ordinances and their ordinance enforcement programs in prohibiting the following types of discharges to the MS4. 11. Actions, if necessary, taken to satisfy these requirements.
Beaumont	Not Reported
Calimesa	The City of Calimesa does not own or operate a sewage collection system. Yucaipa Valley Water District is the owner of the system and is responsible for all operations and maintenance of their sewage collection system. However, the City does monitor all permitted connections and operations and has very good communications with YVWD.
Canyon Lake	N/A
Corona	N/A
Eastvale	N/A but Permittee does not operate sewage collection system. It is maintained by Jurupa Community Services District (JCSD).
Hemet	Not applicable.
Jurupa Valley	N/A
Lake Elsinore	NA
Menifee	The City does not own/operate the sewage collection system
Moreno Valley	Item No. 1 – Not applicable to Moreno Valley, since we do not own/operate a POTW.
Norco	N/A
Perris	NA
Riverside	N/A
Riverside County	The County does not own or operate a sewage treatment facility.
RCFC & WCD	To ensure compliance with the requirements of the 2010 SAR MS4 Permit, the District relies on the concept of Combined Legal Authority with the other Permittees of the 2010 SAR MS4 Permit. Combined Legal Authority, which has been established through an Implementation Agreement with other MS4 Permittees, is described in the LIP.
San Jacinto	See Permittee Report

Table 3-1 – Legal Authority

<u>LEGAL AUTHORITY/ENFORCEMENT</u> 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
PERMITTEE	<p>Provision No. VIII.F requires the Permittees to annually provide a report containing a review of their Stormwater Ordinances and their ordinance enforcement programs in prohibiting the following types of discharges to the MS4.</p> <p>12. Evaluation of ordinance, ordinance enforcement practices with regard to prohibiting non-exempt, non-stormwater discharges to the MS4. Name of individual that coordinates enforcement actions and inspections activities is listed below.</p>
Beaumont	Not Reported
Calimesa	<p>At this time, all ordinances are current and effectively working. The City will revise, update and/or make necessary revisions to ordinances to comply with future required implementation measures which will ensure proper enforcement authority. Continued public outreach and education will help in voluntary compliance.</p> <p>Staff has created a handout describing process to follow for residents wishing to drain pools.</p> <p>Name/Title: Holly Malzahn/Code Enforcement Officer Phone Number: (909) 795-9801, Ext. 254 Email Address: hmalzahn@cityofcalimesa.net</p>
Canyon Lake	<p>After review of the City's Ordinance, the City has found the Ordinance to be effective and is not experiencing difficulty with enforcement. The City works with Elsinore Valley Municipal Water District (EVMWD) and the Property Owners Association (POA) to educate and publicize the procedure for residents who wish to drain pools and spas. Since all drains lead to the lake, the City does not allow any discharge into the street, even if the water is neutralized and meets pH levels set by the lake owner, EVMWD. In Cooperation with EVMWD, pamphlets printed by Riverside County Flood Control are available at City Hall and have been distributed to the public about improper disposal of pool and spa water into storm drains. The City currently implements this as one of our BMP measures.</p> <p>In addition to the public, Chapter 5 of the City's Municipal Code requires that all businesses hold a business license issued by the City. This application requires businesses involving NPDES compliance identify such on the Business License Application before any licenses are approved. Every business is also required to acknowledge specific guidelines of the Municipal Code identifying mobile detailers and additional informational pamphlets outlining storm drain pollution prevention are mailed with each license.</p>
Corona	<p>a) For the 2013-14 reporting year, Public Works Department updated the Storm Water Quality Ordinance in order to ensure it reflected the latest Water Quality Management Plan (WQMP) provisions and definitions per the Permit. The updated Ordinance (No. 3164) was approved at the March 19, 2014 City Council meeting.</p> <p>b) The MS4 Permit requires developing an inventory and mapping of our Outfalls in preparation for implementation of the revised Illegal Connection/Illicit Discharge (IC/ID) program incorporated into the County's Consolidated Monitoring Program (CMP). Additionally, the IC/ID monitoring components require Permittees to develop a schedule to conduct and implement systematic investigations of Outfalls using field indicators to identify, track, and implement corrective measures for all illegal discharges. These activities have been completed within this permit term and documented in the 2014-15 report.</p> <p>c) The City of Corona was a co-participant in the County Health Department administered "Compliance Assistance Program" and performed follow-up inspections on facilities with potential illicit discharges and ordinance violations. The CAP is no longer active</p>

Table 3-1 – Legal Authority

	<p>effective December 31, 2014; however, the City continues with its inspection program adhering to the permit requirements.</p> <ul style="list-style-type: none"> d) The City of Corona has staff devoted to providing prompt follow-up to telephone calls and complaints concerning illicit discharges and/or improper disposal of pollutants into storm drain facilities. e) The City uses the SeeClickFix application (www.seeclickfix.com/corona) which enables community members (residents and businesses) to report any illegal dumping from an iPhone, Android, or a desktop browser. By taking a picture, describing the situation, and allowing the application to automatically log the phone's GPS position, the request is sent to the correct City department to get each issue resolved fast and efficiently. f) Maintenance Services, DWP, Code Enforcement, Fire, and Public Works departments work together to respond to violation events. The NPDES Section follows up on all events to ensure proper notification and reporting requirements are followed as specified in the DAMP. Enforcement depends on the severity of the violation and may require immediate containment and clean up, verbal warnings, notices of violation, recovery of costs, and public education to the violator including handing out educational materials. g) City field staff is trained on the City's storm water ordinance, what constitutes a non-storm water discharge or illicit connection, and how to report to their supervisors so that they can be investigated. h) Staff may issue a Notice of Violation (NOV) specifically for NPDES Ordinance violations. The NOV form is tailored to identify the specific municipal code violation and written corrective action(s) required. It is a tri-ply form in which the violator acknowledges receipt of the correction.
Eastvale	<p>The City's stormwater ordinance provides the City with the right-to-inspect any premises, grounds, facilities, or structures for which compliance is required by the ordinance (City Municipal Code, Section 14.12.100 - Attachment B). The City's stormwater ordinance also provides the City with the authority to revoke and/or suspend a permit which has both been issued and conditioned for compliance with the stormwater ordinance or conditioned with the implementation of specific BMPs (City Municipal Code, Section 14.12.110 - Attachment B).</p>
Hemet	<ol style="list-style-type: none"> 1. The City's Ordinance Sec. 14-471 "<i>City of Hemet Stormwater/Urban Runoff Management and Discharge Controls</i>" has been effective in prohibiting non-exempt, non-stormwater discharges to the MS4. 2. City Public Works maintenance staff receive annual training on NPDES to aid in their identification and detection of potential IC/IDs during field maintenance or other routine activities. 3. Public Works and Code Enforcement take an active role in responding and reporting IC/IDs. 4. Current Local Implementation Plan (LIP) is under review by city staff to increase program effectiveness. 5. Continued efforts to reduce water waste per the requirements of a 2015 SWRCB Conservation Order minimized non-stormwater discharges during FY 2018-2019.
Jurupa Valley	<p>The effectiveness of the City's ordinance has been acceptable.</p> <p>Name/Title: Bob Makowski Phone Number: (951) 332-6464 Email Address: bmakowski@jurupavalley.org</p>

Table 3-1 – Legal Authority

Lake Elsinore	The City's various ordinances provide for broad prohibition of discharges; that combined with timely response to reports received and awareness of staff of what constitutes an illegal discharge makes for an effective program.
Menifee	<p>All of the above are addressed in the storm water ordinance, which has been effective in prohibiting non-exempt, non-stormwater discharges to the MS4. The City will continue to evaluate the effectiveness of its ordinance and address any necessary revisions if they are identified.</p> <p>Name/Title: Haile Ford Phone Number: (951) 723-3773 Email Address: hford@cityofmenifee.us (cc Don Sharp: dsharp@cityofmenifee.us)</p>
Moreno Valley	<p>The Ordinance has overall been an effective tool in prohibiting non-exempt, non-stormwater discharges to the MS4. As indicated above, the City's enforcement practices facilitate compliance.</p> <p>Name/Title: Rae Beimer Phone Number: Office: (951) 413-3497 Cell: (714) 788-6936 Email Address: raeb@moval.org</p>
Norco	<p>The City Ordinance appears to be effective based on available performance indicators.</p> <p>Name/Title: Sam Nelson, Associate Civil Engineer Phone Number: (951) 735-3900 Email Address: snelson@ci.norco.ca.us</p>
Perris	<p>The City of Perris has determined that the existing ordinance and related enforcement authority to be thorough and complete. Required enforcement actions are allowed.</p> <p>Name/Title: Maria ArreguinName/Title: Maria Arreguin Phone Number: (951) 657-3280 Email Address: marreguin@cityofperris.org</p>
Riverside	The Riverside Municipal Code has enabled City departments to ensure that illegal discharges to the MS4 are prohibited. Various meetings and other communication throughout the year serve to provide assurances that the municipal code is effective and provides City staffs with a mechanism whereby they can enforce water quality provisions. The City of Riverside continually seeks ways to strengthen its ability to preserve water quality.
Riverside County	<p>The County's Stormwater Ordinance 754, in conjunction with other ordinances that relate to environmental protection, is supported by Ordinance 725 which establishes penalties and procedures for violation of Riverside County ordinances.</p> <p>Name/Title: Jan Bulinski Phone Number: (951) 955-6859 Email Address: jbulinski@rivco.org</p>
RCFC & WCD	<p>N/A, however, the District has successfully coordinated its IC/ID response and elimination activities with the Permittees.</p> <p>District contact for inspection and enforcement activities:</p> <p>Name/Title: David Ortega, Senior Engineering Technician Phone Number: (951) 955-4390 Email Address: djortega@rivco.org</p>

Table 3-1 – Legal Authority

San Jacinto	<p>The City of San Jacinto routinely reviews the applicable ordinances as it relates to effectiveness. As a result of these reviews, the City enacted ordinance 09-16 on May 21, 2009 that was based on the Metropolitan Water District's model ordinance which prohibits excessive overspray and run-off of irrigation water. The combination of this ordinance with the City's existing storm water requirements set forth in Chapter 13.44 of the City's municipal code provides effective tools for the City to enforce its NPDES programs.</p> <p>In addition, the City adopted additional water conservation programs in response to the Governor's Executive Orders. The City continues to comply with all applicable requirements of State water conservation requirements.</p> <p>Name/Title: Andres Ramirez, Streets, Parks and Storm Water Superintendent Phone Number: (951) 654-4041 Email Address: aramirez@sanjacintoca.gov</p>
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Table 3-1 – Legal Authority

<u>LEGAL AUTHORITY/ENFORCEMENT</u> 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
PERMITTEE	Provision No. VIII.H of the MS4 Permit requires the Permittees to annually provide a report containing an evaluation of their implementation and enforcement response procedures in controlling IC/IDs.
Beaumont	Not Reported
Calimesa	The City of Calimesa maintains adequate legal authority to control the discharge of pollutants into the MS4's. The City enforces applicable municipal codes, ordinances and policies accordingly and as required during an IC/ID event. The City annually reviews its Storm Water Ordinances and enforcement programs prohibiting discharges to the MS4's. The City is proactive with controlling IC/IDs and is prepared to take the appropriate enforcement action as required to gain proper compliance. Our goal is to provide public education with the intent of controlling the contribution of pollutants to the MS4s, stop pollutant discharge or threat of discharge and to require the use of BMP's to prevent or reduce the discharge of pollutants to the MS4s. We promote public educational outreach through speaking with community members, business and property owners, sharing information on the City's website and handouts where appropriate. This past Fiscal Year resulted in no IC/ID being reported or having to take action against.
Canyon Lake	The City of Canyon Lake has proactively coordinated with the Canyon Lake Property Owners Association's Community Patrol, Marine Patrol, and City Special Enforcement Officers. EVMWD monitors discharge sites and performs frequent periodic water quality testing. City staff takes every available opportunity to educate the public on proper construction practices, pool and spa drainage procedures and other MS4 related issues. Alum treatments continue to be scheduled and completed for February 2019 & September 2019.
Corona	As mentioned above, the City utilizes various enforcement tools highlighted in its Local Implementation Plan (LIP) to bring sites into compliance with our NPDES Ordinance. Most compliance is achieved through verbal warnings issued at the time the violation is observed. Where a correction is required and the verbal warning has not been effective, the City will issue an NOV. Nine NOV's were issued this reporting year, which consequently brought the sites into compliance.
Eastvale	The City's enforcement response seems to be working very well. The City experiences very limited non-stormwater discharges from residential, commercial/industrial, construction site, and sewage issues, the City does not see any current corrective actions needed in regard to its Stormwater Ordinance. Proper staff has been trained in spotting and tracking IC/ID incidents. No corrective actions were needed after evaluating the program. Staff will note and report and IC/ID situations to program manager for follow up and recording data. Most non-stormwater discharges in the City result from a traffic accident or other accidental discharges of this nature.
Hemet	Public Works and Code Enforcement staff is trained on IC/ID response and reporting. The City implements various inspection programs to control IC/IDs, monitors major outfalls, responds to public complaints, and works with maintenance staff to ensure that MS4 facilities are free of non-storm water discharges. All violations are investigated, and responsible parties are notified of the City's storm water requirements. The City of Hemet continues to document enforcement actions and provide educational materials to increase the awareness and understanding of the City Stormwater Ordinance in an effort to change behavior and reduce the discharge of pollutants to the MS4.
Jurupa Valley	All above items are addressed within the City's Inspection program as well as the City's enforcement mechanism.

Table 3-1 – Legal Authority

Lake Elsinore	Based on a review of current procedures, there are no recommended changes.
Menifee	Public Works and Code Enforcement staff are trained on the storm water ordinance and on IC/ID response and reporting. The City implements various inspection programs to control IC/IDs, monitors major outfalls, responds to public complaints, and works with contracted maintenance staff to ensure that MS4 facilities are free of non-storm water discharges. All violations are investigated, and responsible parties are notified of the City's storm water requirements. Violations are tracked in a database which documents violation type, enforcement, and resolution status. Enforcement depends on the nature of the violation and may include the distribution of educational materials, verbal warnings, written warnings, Notices of Violation, stop work notices, or cost recovery for containment and clean-up. The City's implementation and enforcement of the IC/ID program has been effective in 2018-19 and no corrective actions were recommended since the last reporting period.
Moreno Valley	The City evaluated its effectiveness of implementation and enforcement response procedures and determined no enhancements to the program were necessary.
Norco	Based on the City's review findings, the program appears to be functioning as anticipated. Through resident complaints or staff observations, storm water issues are identified, and most are quickly addressed through verbal warnings from the City's inspection staff.
Perris	In the coming year we will likely try to simplify some of our record keeping making the annual reporting streamlined. The City's business license department has updated their internal programs and the NPDES staff needs to adjust to the new program.
Riverside	Existing enforcement response procedures appear to be effective. City staff from the involved departments regularly discuss issues encountered in the field and appropriate enforcement responses. If new ideas or methods to improve City processes are identified through such dialogue, then City acts accordingly to implement the necessary changes and improve the stormwater program.

Table 3-1 – Legal Authority

<p>Riverside County</p>	<p>The County Executive Office coordinates those IC/ID complaints received to various and appropriate county departments. Typically, complaints are received from several different sources throughout the county; citizens, county staff, District staff, city staff, Regional Board staff and anonymous tips. Should hazardous materials be involved, the County will notify the Department of Environmental Health (DEH) for response. Additionally, the DEH has staff on-call 24/7 to respond to complaints and field investigations distributed by Cal EMA. If a complaint is non-hazardous, County Code Enforcement, potentially in conjunction with the Transportation Department Environmental Compliance staff will respond. This process continues to function effectively, as the County has not experienced deficiencies in implementing enforcement response procedures in controlling IC/IDs.</p>
<p>RCFC & WCD</p>	<p>The defining feature of the District's IC/ID activities in the reporting period has been the significant increase in the number clean-ups of homeless encampment sites undertaken by District staff. In all instances of homeless encampment referral, the District has been able to complete clean-ups and consequently, response procedures are deemed effective. Indeed, 126.53 tons of waste materials were removed from District facilities during the reporting period compared to 59.86 tons in the FY2017-18.</p> <p>This increased activity has prompted a review of the District's Homeless Encampment Cleanup protocol (referred to as "Safety Operations Manual (SOM) – 29") to ensure that the trash and debris, hazardous wastes and medical wastes typically associated with these encampments is, indeed, being quickly, safely and legally removed. This SOM-29 has undergone review and revision and has been implemented since its approval in September 2018.</p> <p>Commencing in July 2018, the District used an aerial drone to complete a census of transient encampments in the mainstem of the Santa Ana River. Completed in late 2018 in two phases and along the river between Riverside/San Bernardino County Line and several hundred feet upstream of Prado Dam, the survey identified a total of 286 transient encampments. It is anticipated that the information will inform the future development of the CBRP.</p> <p>On January 17, 2019, District and County of Riverside staff participated as presenters in the Inland Empire Waterkeeper Symposium on homelessness in the Santa Ana River watershed. The District's abatement efforts were discussed together with the work of the County's Executive Committee on Homelessness, which includes District representation, and Homeless Action Plan.</p>
<p>San Jacinto</p>	<p>The City of San Jacinto has evaluated its enforcement and response procedures in controlling IC/IDs and has determined that they meet the requirements of the permit. No corrective actions are required at this time.</p>

TABLE 3-1 – LEGAL AUTHORITY

<u>LEGAL AUTHORITY/ENFORCEMENT</u> 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
PERMITTEE	<p>Provision No. XII.E.5 of the MS4 Permit requires the Permittees to adopt the State Model Water Efficient Landscape Ordinance, or to prepare one that is "at least as effective" as the State Model by January 2010. Appendix 3, the Monitoring and Reporting Program required an Annual Effectiveness Evaluation with respect to water efficiency and water conservation goals.</p>
Beaumont	Not Reported
Calimesa	<p>The City adopted Ordinance 299, entitled "A New Water Conservation Ordinance in Compliance with the State of California Model Ordinance as Chapter 18.75 of the Calimesa Municipal Code, on December 21, 2009, The City also signed an agreement "MOU" on April 24, 2014 with all local agencies under State Water Resources Control Board Resolution No. 2014-0038, establishing drought regulations targeting outdoor urban water use, mandating water conservation and prohibiting the wasteful outdoor use of drinking water.</p> <p>For all appropriate development projects, a City contract landscape architect reviews the landscape plans for conformance with CMC Chapter 18.75 and any new state regulations.</p> <p>Yucaipa Valley Water District will be supplying recycled water for irrigation purposes to a new master planned development on the south side of Interstate 10. Extensive collaboration between City, District and Developer staff resulted in CC&R's for landscape requirements using the recycled water.</p> <p>MWELO Report is included at end of this Report.</p>
Canyon Lake	<p>The City of Canyon Lake adopted the Water Efficient Landscape Ordinance in November of 2009. The City of Canyon Lake has evaluated the effectiveness of its Water Efficient Landscape Ordinance with respect to water efficiency and conservation goals and found it to be effective.</p>
Corona	<p>The City revised its Water Efficient Landscape Ordinance, Corona Municipal Code Section 17.70 to incorporate the State's model ordinance requirements; the ordinance is accessible via this link: http://library.amlegal.com/nxt/gateway.dll/California/corona/coronacaliforniamunicipalcode?f=templates\$fn=default.htm\$3.0\$vid=amlegal:corona_ca</p> <p>The City's Community Development Department is working on the Water Efficient Landscape Ordinance report for submittal to Department of Water Resources (DWR) –see attachment 'G'.</p> <p>For other related documents, please also see attachment 'H' for a copy of the correspondence submitted to DWR consistent with the requirements of Assembly Bill 1881 (Water Conservation) , and attachment 'I' for the City's General Plan goals and policies that promote Low Impact Developments.</p>
Eastvale	<p>The City is currently working on the State Model Water Efficient Landscape Ordinance report for 2019. The City of Eastvale originally adopted the County of Riverside's Ordinance 859, with its ensuing amendments. In light of the Governor's order on drought regulations the City is working close with the County and JCSD for amendments or changes to the current Ordinance. JCSD is responsible to prepare an Annual Effectiveness Evaluation as it is the lead agency on this issue. The City also has also created a new water efficient landscape Ordinance, Chapter 14.24 – Water Efficient Landscape Regulations, to better help with water management practices and waste water prevention for</p>

Table 3-1 – Legal Authority

	residential and commercial areas. See Ordinance 859(Attachment C), Municipal Code Chapter 14.24 – Water Efficient Landscape Regulations (Attachment B), and the JCSD Annual Report for more details. The City's 2018 MWELo Report can be found in Attachment (J).
Hemet	<p>Since its adoption in April 2010, City of Hemet Landscaping and Irrigation Ordinance (Municipal Code Chapter 90, Article XLVIII) has required that applicants for all new development projects provide a compliance letter to the Planning department, the Public Works Department and the department of building and safety verifying that landscaping and the irrigation system have been installed in compliance with the approved landscape documentation package.</p> <p>In October 2014, the City of Hemet developed and implemented an improved notification system for addressing water waste based on our Water Conservation Plan. In January 2015, the Hemet City Council amended this Water Conservation Plan to meet SWRCB Emergency Regulations. The SWRCB issued a Conservation Order to the City of Hemet in August 2015 which required the City to implement a water rate structure to encourage conservation (which was done) and to reach out to commercial, industrial and institutional customers to implement additional conservation measures. On July 12, 2016, the SWRCB rescinded the conservation order because the City of Hemet exceeded its revised cumulative conservation standard. Nearly all water waste was related to irrigation runoff. Business owners and managers have been cooperative in adjusting irrigation to avoid runoff and/or converting turf to xeriscaping.</p>
Jurupa Valley	City of Jurupa Valley follows the regulations of the California State Model of 2010.
Lake Elsinore	EXHIBIT 2.2
Menifee	The City has adopted a Water Efficient Landscape Ordinance (WELO) and regularly reports on its WELO to the Department of Water Resources.
Moreno Valley	The City has been successful in implementing the water efficiency and water conservation goals as provided for in the Municipal Code. New landscapes will continue to be consistent with or exceed the City's water efficiency goals.
Norco	City of Norco ordinance "Water Efficient Landscaping" is included in the Municipal Code Chapter 18.55. and continually enforced.
Perris	<p>The City of Perris Ordinance is Municipal Code Chapter 19.70. Most of the City is serviced by Eastern Municipal Water District which also has Mandatory Water-Efficient Landscaping Requirements. All projects with landscaping requirements are required to formally submit a set of plans. The City employs an in-house landscape architect who reviews, and plan checks all project submittals. Perris is located within the West San Jacinto Groundwater Management Zone. Approximately 80% of the City is under the EMWD jurisdiction. According to the "June 2015 - August 2018 Water Conservation Dataset" Report, EMWD reported water conservation at 9.9%. The balance of the water supply is provided by two small, City of Perris Water Companies which both are less than 3,000 services. Water districts of this size are not required submit to this dataset.</p> <p>Exhibit 4 – Landscape Ordinance meeting SB1881</p>
Riverside	The City proactively promotes water efficiency and water conservation goals. In 2010, the City adopted a locally developed Water Efficient Landscape Ordinance. A copy of the ordinance is attached. In addition, the City has adopted a water conservation ordinance that limits unreasonable uses of water and establishes a codified water conservation program. More information on the City's efforts to promote water efficiency and water conservation goals can be found at: https://riversideca.gov/utilities/blueriverside/
Riverside County	The County is in compliance with AB1881 and the Water Efficient Landscape Requirements Ordinance (No. 859.3) item 3-51 of 07/21/2015 and is in effect.

Table 3-1 – Legal Authority

RCFC & WCD	The District is a Special District by act of the State Legislature and has no land use authority. Therefore, the District is not required to adopt a Water Efficient Landscape Ordinance.
San Jacinto	The City of San Jacinto adopted a water conservation ordinance number 09-16 on May 21, 2009. The City continues to implement water conservation measures as required by the Governor's Executive orders calling for a 25% reduction in water use and the Department of Water Resources mandated 32% reduction in municipal services. Water consumption within the City's service area has continued to decline in response to both the Executive Order and the City's on-going water conservation efforts. Under the mandatory water reduction requirements, the City reduced potable water consumption by an average of 30% between July 2015 and June 2016 when compared to 2013 consumption. Water usage continues below average in during FY18-19.

PROGRAM IMPLEMENTATION

4. PROGRAM IMPLEMENTATION AND EVALUATION

Provision No. IV.C of the 2010 SAR MS4 Permit, requires the Permittees to evaluate their implemented urban runoff management programs to determine the need, if any, for revision to its Local Implementation Plan (LIP).

The DAMP is the Permittees' primary policy and planning document for municipal NPDES stormwater permit compliance. The DAMP's principal objective is to fulfill the Permittees' commitment to develop and implement a program that satisfies NPDES permit requirements. The Principal Permittee evaluates the effectiveness of the Urban Runoff management program described in the DAMP to determine the need for any revisions in order to reduce pollutants in MS4 discharges (Section XVII.A) and reports the findings of this review and a schedule to address necessary revisions be provided (Section XVII.B). This information is provided in **Section 15—Summary of Assessment and Future SAR Program Improvements**. The DAMP is located in **Appendix L**.

To address divergent permit requirements, while maintaining the synergistic cohesion of a countywide program, the DAMP includes LIPs. The LIPs enable each Permittee to implement a complex program within its jurisdiction while maintaining a single overarching policy document. A summary of the Permittees' evaluation of current program implementation is presented in **Table 4-1**.

Significant actions in the reporting period include:

Local Implementation Plan

On June 30, 2019, the LIP template was updated to include language regarding the Watershed Action Plan (WAP) and its components, the Regional Geodatabase, the Hydromodification Susceptibility Mapping and Report, and the Hydromodification Management Plan were approved by the Regional Board on April 20, 2017. Other updates entail the revision for the LE/CL TMDL and implementation for the Hydromodification Management Plan Evaluation Program.

Table 4-1 - Program Implementation and Evaluation

PROGRAM IMPLEMENTATION AND EVALUATION 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
Provision No. IV.C of the Santa Ana Region NPDES Municipal Stormwater Permit, Board Order No. R8-2010-0033 (Permit) requires the Permittees to evaluate the effectiveness of their Urban Runoff Management Programs to determine the need for revisions to its Local Implementation Plan (LIP).	
PERMITTEE	
Beaumont	Not Reported
Calimesa	The Urban Runoff Management Program is operating effectively. However, programmatic language updates to the City's LIP have been made to keep it up to date.
Canyon Lake	The City of Canyon Lake has one major public roadway, Railroad Canyon Road, with 27 storm drains that are cleaned annually by the City of Canyon Lake contractor, Downstream Services. The storm drains were cleaned in April 2018 and are scheduled for October 2019. City Building Inspectors, Code Enforcement and Special Enforcement Officers are trained annually and monitor any new construction, entirely single family residential. In regard to the City of Canyon Lake future land use, the City of Canyon Lake is primarily built out, thus future land use is limited and will not change dramatically. Within the private gated community there is a system of 153 private storm drains and inlets that are mapped and inventoried. Inspections and cleanouts occur twice annually or more often as needed. City staff inspect each storm drain inlet within the gated community and photograph each inlet that requires clean out. Clean out is then performed by the Operations Department within the Property Owners' Association.
Corona	The City developed the LIP which was noted in the 2013-14 report and was certified by the Public Works Director under direction from the City Manager by May 24, 2013. For last year's reporting, the City updated its LIP for Citywide departmental and personnel changes. Additionally, RCFCWCD (Principal Permittee) provided a revision of the Watershed Action Plan and the LIP was revised accordingly. The update this reporting period was the programmatic language submitted by RCFCWCD for various sections and the LIP was revised accordingly.
Eastvale	Upon evaluating the Urban Runoff Management Programs, it is determined there is no need for revisions to the Local Implementation Plan (LIP) at this time. The City has updated the LIP during this year to include information from the WAP approved by the Regional Board on April 20, 2017. The City will continue to monitor the Urban Runoff Management Programs and make changes to the LIP as needed.
Hemet	Local Implementation Plan (LIP) updates provided by the County have been applied to the current City of Hemet LIP document. The City has updated the following sections: 3.8 TMDL / WQBEL Compliance 5.6.9 Trash BMPs 5.7 Fire BMPs 6.3 Watershed Action Plan 8.2 Industrial and Commercial Facility Inspections 8.3 Third-party Notifications

Table 4-1 - Program Implementation and Evaluation

	<p>8.5.3 Enforcement Strategy for Mobile Businesses Violations 10.0 Public Education and Outreach 11.4 Development Planning 12.2.5.8 Other TMDL Tasks Including Permittee Dischargers 12.2.5.9 CBRP Implementation- Regional Treatment 13.5.1 Watershed Action Plan 13.5.2 Hydro-modification Management Plan 13.5.3 Review of General Plan 13.5.4 WQMP</p> <p>The City of Hemet LIP is currently under review by Public Works, Engineering, and Planning staff.</p>
Jurupa Valley	Review complete. No significant changes made during reporting period.

Table 4-1 - Program Implementation and Evaluation

<p>Lake Elsinore</p>	<p>The City has reviewed its LIP and the program implementation contained therein. For FY 18-19 there are no proposed changes to the programs in the LIP. The programs are effective when implemented.</p> <p>The City's LIP has been revised as follows:</p> <ol style="list-style-type: none"> 1) Changes to reflect staffing changes 2) Payment for Commercial / Industrial Inspections by business owners 3) Use of MS4 Web and EnerGov databases for tracking 4) Inclusion of the TMDL Update underway at Section 3.8 5) Update of Section 4.2.6 for Non-Jurisdictional IC/ID notification 6) Update to Section 4.2.7 to reflect actual practices in the field for BMP implementation 7) Section 4.3 update for Response timelines and process 8) Update Section 6.5.5 to provide for City maintenance and funding of BMPs in the ROW 9) Update to Section 10.0 to show implementation progress on 5-year Public Ed. Strategic Plan. 10) Update Section 12.3.3 to reflect approval of the CNRP 11) Update Section 12.3.4 to reflect contents of the CNRP 12) Update Section 12.3.5.4 to include actions taken by the City in implementation of the CNRP 13) Added information on the TMDL revision and Basin Plan Amendment underway 14) At Section 13.5 updated information on the status of the WAP, Hydromodification Management Plan and WQMP adoption and revisions in process. <p>EXHIBIT_3.1</p>
<p>Menifee</p>	<p>The City continues to make minor updates to its LIP to add clarification or document programmatic changes. In FY18-19, the City updated its LIP to incorporate activities it performs as a part of the Santa Margarita River (SMR) Water Quality Improvement Plan (WQIP). The City's LIP was also updated with information provided by the District to all Co-Permittees in an email sent on June 18, 2019.</p>
<p>Moreno Valley</p>	<p>Moreno Valley Completed its LIP on October 1, 2013. Moreno Valley updated its LIP on January 30, 2014, November 6, 2015, July 5, 2016, May 24, 2017, June 6, 2018 and June 19, 2019. All updates are in compliance with the current 2010 MS4 Permit. During the reporting year, the most significant update was the inclusion of the status that the LE/CL TMDL is undergoing the TMDL revision process. The TMDL Technical Report was submitted to the Santa Ana Regional Board in December 2018 and the draft Basin Plan Amendment Package was circulated for public review and peer review during the first half of 2019. Stake holders are awaiting comments from the Regional Board. Updated LIP available upon request.</p>
<p>Norco</p>	<p>Based on the available program overview parameters, the current program is found to be effective.</p>
<p>Perris</p>	<p>In 2018-19, the LIP was reviewed. There were no changes made during this timeframe. In the coming year, additional changes will likely be needed due to changes in staffing. Also, based on an email from the District on June 18, 2019, proposed changes to the LIP (2019-2020) include: Section 3.8 TMDL/WQBEL, Section 6.3 Watershed Action Plan, Section 10 Public Education and Outreach, Section 11.4</p>

Table 4-1 - Program Implementation and Evaluation

	Development Planning, Section 12.3.5.6 Other TMDL Tasks, Section 13.5.1 Watershed Action Plan, Section 13.5.1 Hydromodification Management Plan, and Section 13.5.3 WQMP.
Riverside	The City of Riverside continues to implement its Urban Runoff Management Program as defined in the LIP. The LIP was updated to reflect program changes in multiple areas. The City continually evaluates this program to ensure the protection of the storm drain system and local waterways. As opportunities for improvement are identified, the LIP will continue to be updated to reflect any changes.
Riverside County	The County has reviewed the LIP during the reporting period and determined that no procedure changes were required. However, staffing changes have occurred and the LIP is being updated to reflect current staffing and contact information.
RCFC & WCD	A review of the LIP was completed. Staff assignments and associated divisions/sections responsible for programs were made current and old information was removed. For example, all WQMP reviews are now completed with County of Riverside TLMA. In general, edits included minor updates and key milestones such as the LE/CL TMDL revision.
San Jacinto	The City has reviewed its Urban Runoff Management Programs and determined that they are adequate at this time. The City will continue to update the Local Implementation Plan in the FY19-20 reporting period.

PROGRAM IMPLEMENTATION

5. ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

Provision IX of the 2010 SAR MS4 Permit requires the Permittees to prohibit IC/IDs to the MS4 through their stormwater ordinances.

Actions to Investigate and Eliminate IC/ID

When a potential IC/ID has been identified during MS4 monitoring or receiving water monitoring, the District notifies the Permittee having jurisdiction so that they investigate in accordance with their LIP, and in general conformance with the guidance provided in the CMP, as appropriate. The Permittees' efforts to control IC/IDs during the reporting period are summarized in **Table 5-1**.

Results Database

All sampling data collected as part of the IC/ID monitoring program, including incident response information are tracked individually by each Permittee and included in **Appendix K**. In compliance with the Permit (Sections III.A.1.m and IX.H), the District tracks and compiles information that is gathered and entered by the Permittees into an IC/ID database. The database will consist of a master spreadsheet that has been developed and formatted by the District. The master spreadsheet is included in **Appendix K**.

Trash and Debris

Table 5-1 includes information on trash and debris removal from the Permittees' drainage facilities. It is anticipated that a new MS4 permit may be adopted in FY 2019-2020 that will include Trash Amendments and the obligation to conduct future reporting on documenting "full capture device" installation.

Training

IC/ID and Safety Training is conducted for the Santa Ana Region Permittees and meets the requirements outlined in Section IX.E of the SAR Permit, Volume 5: Santa Ana Region Monitoring Plan, and Appendix J of the Quality Assurance Project Plan. Permittee staff responsible for conducting IC/ID inspections receive annual training regarding the following topics:

- Background on SAR Monitoring and Reporting Program (MRP)
- IC/ID Program Components
- Sampling Safety
- Meter Calibration, Operation and Maintenance
- Field Site Visit (hands-on sampling)

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

ILLICIT CONNECTIONS/ILLEGAL DISCHARGES 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT							
PERMITTEE	1. Name of Lead Inspector/Individual Responsible for Enforcing Stormwater Ordinance on behalf of Permittee jurisdiction:	2. Number of IC/ID reports received:	3. Number of IC/IDs reports investigated:	4. Number of IC/ID incidents reported by:	5. Number of IC/ID incidents resolved:	6. Number of IC/ID incidents reported in:	7. Number of enforcement actions that reached each level of enforcement:
Beaumont	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
Calimesa	Holly Malzahn cdouglas@cityofcalimesa.net (909) 795-9801	0	0	Own Permittee staff: 0 Public: 0 Other agencies: 0 Businesses: 0 Other: 0	N/A	Residential: 0 Industrial/Commercial: 0 MS4 facilities: 0	Education and Information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Canyon Lake	Gina Dickson, Mike Feeney- Special Enforcement Officers Email: Enforcement@cityofcanyonlake.com Phone No.: (951) 244-2955	12	See Permittee report	See Permittee report	See Permittee report	See Permittee report	Education and Information: 12 Verbal warning: 0 Written warning: 12 Notice of violation or noncompliance: 0 Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Corona	Jeff Potts Email: Jeff.Potts@CoronaCA.gov Phone No.: (951) 736-2442	61	61	Own Permittee staff: 37 Public: 22 Other agencies: 1 Businesses: 1 Other: 0	42	Residential: 42 Industrial/Commercial: 19 MS4 facilities: 0	Education and Information: 61 Verbal warning: 37 Written warning: 0 Notice of violation or noncompliance: 2 Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0 City abatement and/or assisted mitigation: 15
Eastvale	Kris Hanson Email: khanson@interwestgrp.com Phone No.: (951)465-4833	8	8	Own Permittee staff: 1 Public: 5 Other agencies: 0 Businesses: 1	8	Residential: 5 Industrial/Commercial: 1 MS4 facilities: 2	Education and Information: 8 Verbal warning: 8 Written warning: 3 Notice of violation or noncompliance: 0

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

				Other: 1			Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Hemet	Daniel Cortese Email: dcortese@cityofhemet.org Phone No.: (951) 765-3712	19	19	Own Permittee staff: 12 Public: 6 Other agencies: 1 Businesses: 0 Other: 0	19	Residential: 9 Industrial/Commercial: 7 MS4 facilities: 3	Education and Information: 19 Verbal warning: 13 Written warning: 6 Notice of violation or noncompliance: 0 Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Jurupa Valley	John Wingett Email: jwingett@jurupa valley.org Phone No.: (951) 332-6464	8	8	Own Permittee staff: 4 Public: 1 Other agencies: 3 Businesses: 0 Other: 0	3	Residential: 1 Industrial/Commercial: 7 MS4 facilities: 0	Education and Information: 1 Verbal warning: 7 Written warning: 0 Notice of violation or noncompliance: 0 Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Lake Elsinore	Rita Thompson Email: rtompson@lake-elsinore.org Phone No.: (951) 674-3124 x308	22	22	Own Permittee staff: 5 Public: 14 Other agencies: 5 Businesses: 0 Other: 0	4	Residential: 18 Industrial/Commercial: 3 MS4 facilities: 1	Education and Information: 13 Verbal warning: 1 Written warning: 5 Notice of violation or noncompliance: 0 Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Menifee	Haile Ford Email: hford@cityofmenifee.us Phone No.: (951) 723-3773	6	6	Own Permittee staff: 0 Public: 4 Other agencies: 2 Businesses: 0 Other: 0	6	Residential: 6 Industrial/Commercial: 0 MS4 facilities: 0	Education and Information: 2 Verbal warning: 4 Written warning: 0 Notice of violation or noncompliance: 0 Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

Moreno Valley	Rae Beimer Email: raeb@moval.org Phone No.: (951) 413-3497	91	91	See Permittee Report	69	See Permittee Report	Education and Information: 15 Verbal warning: 2 Written warning: 26 Notice of violation or noncompliance: 15 Administrative Compliance Order: 14 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Norco	Dan Cuthbertson Email: dcuthbertson@ci.norco.ca.us Phone No.: (951) 735-3900	0	N/A	Own Permittee staff: 0 Public: 0 Other agencies: 0 Businesses: 0 Other: 0	N/A	Residential: 0 Industrial/Commercial: 0 MS4 facilities: 0	Education and Information: N/A Verbal warning: N/A Written warning: N/A Notice of violation or noncompliance: N/A Administrative Compliance Order: N/A Stop work order or cease & desist order: N/A Civil citation or injunction: N/A Administrative fine: N/A Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): N/A
Perris	Maria Arreguin Email: marreguin@cityofperris.org Phone No.: (951) 956-2120 Backup: Cynthia Gabaldon 909-455-8520 Cynthia.gabaldon@cgrme.com <i>Code Enforcement Contact</i> Name: Roberto Trejo Email: rtrejo@cityofperris.org Phone No.: (951) 385-4131	458	458	Own Permittee staff: 85 Public: 365 Other agencies: 8 Businesses: 0 Other: 0	all cleaned up - 458	Noted as being in an empty lot or in street	Education and Information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Riverside	Michael Roberts Email: mdroberts@riversideca.gov Phone No.: (951) 351-6310	195	195	Own Permittee staff: 133 Public: 62 Other agencies: 0 Businesses: 0 Other: 0	150	Residential: 62 Industrial/Commercial: 133 MS4 facilities: 0	Education and Information: 150 Verbal warning: 6 Written warning: 142 Notice of violation or noncompliance: 0 Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 2 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Riverside County	Mary Ortiz Phone No.: (951) 955-9293	92	48	Own Permittee staff: 14 Public: 78	29	Residential: 69 Industrial/Commercial: 4	Education and Information: 36 Verbal warning: 26

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

				Other agencies: 0 Businesses: 0 Other: 5		MS4 facilities: 0	Written warning: 4 Notice of violation or noncompliance: 35 Administrative Compliance Order: 35 Stop work order or cease & desist order: 6 Civil citation or injunction: 1 Administrative fine: 1 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 4
RCFC & WCD	The District does not enforce the Stormwater Ordinance since it does not have land use authority. The individual that investigates IC/ID within the District's MS4 is: David Ortega Email: djortega@rivco.org Phone No.: (951) 961-9574.	116	62	Own Permittee staff: 62 Public: 15 Other agencies: 24 Businesses: 0 Other: 15 (Anonymous)	101	Residential: 33 Industrial/Commercial: 5 MS4 facilities: 78	Education and Information: 13 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0 *District does not have enforcement authority
San Jacinto	Lead Inspector: Andres Ramirez Email: aramirez@sanjacintoca.gov Phone No.: (951) 654-4041	0	0	Own Permittee staff: 0 Public: 0 Other agencies: 0 Businesses: 0 Other: 0	0	Residential: 0 Industrial/Commercial: 0 MS4 facilities: 0	Education and Information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative Compliance Order: 0 Stop work order or cease & desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

**ILLICIT CONNECTIONS/ILLEGAL DISCHARGES
2018-2019 ANNUAL PROGRESS REPORT
SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT**

Provision No. IX.D and Provision No. IX.E of the MS4 Permit requires the Permittees to review and revise their IC/ID program to include a pro-active IDDE using the Guidance Manual for Illicit Discharge, Detection, and Elimination by the Center for Watershed Protection or any other equivalent program by July 29, 2011. Provision No. IX.G of the MS4 Permit requires the Permittees to review and evaluate their IC/ID program, including litter/trash BMPs, to determine if the program needs to be adjusted. The results of this review shall be reported in the Annual Report and include a description of the Permittees revised pro-active IDDE program, procedures and schedules.

PERMITTEE	
Beaumont	Not Reported
Calimesa	The City of Calimesa continues to enforce, operate and adhere to its IC/ID program, which incorporates the IDDE elements using the above referenced manual. The City's IC/ID program continues to effectively work and therefore no revisions have been made during this reporting period. The City will continue to monitor the effectiveness of its IC/ID program and revise as necessary. The City continues to educate the public about illicit discharges and pollution prevention whenever possible and applicable. IC/ID detection is an item that is incorporated into all inspection programs. For FY 18/19, the City has added funding to the budget to for being installation of catch basin inserts to collect trash as part of the Trash Implementation Program. No inserts were installed in FY18/19. Funds were rolled over for FY19/20. Results of this will be detailed in next year's annual report. In addition, all appropriate new developments are being conditioned to install trash inserts in order to obtain final approvals.
Canyon Lake	The City of Canyon Lake is proactive in ensuring compliance with the MS4 Permit IC/ID requirements and regularly reviews the Canyon Lake Municipal Code. The Canyon Lake Property Owner Association (POA) Operations Department, Community Patrol, Marine Patrol, the City of Canyon Lake Special Enforcement and Code Enforcement Officers perform visual inspections, monitor discharge sites, educate the public and EVMWD perform water quality tests. In order to comply with water quality regulations enforced by the State through the local Santa Ana Regional Water Quality Control Board, the Lake Elsinore & Canyon Lake Total Maximum Daily Load (TMDL) Task Force started using a state funded grant for Alum treatments, which began in September 2013. When alum is added to the lake, it binds immediately with the phosphorous and effectively removes the opportunity for algae to grow. With less algae in the water, light can penetrate deeper into the lake allowing plants to grow at the bottom while improving the overall health and water quality of the lake for the life of the fish. Applications have taken place in February and September, with recent treatments to date 2018-2019. The City continues to maintain signage on all City owned drains with "Only Rain Down the Drain" provided by Riverside County Flood Control. All applicable Ordinances in the Municipal Code are continually reviewed and updated for compliance. The City of Canyon Lake performs an annual cleanup of the community and Bureau of Land Management (BLM) lands. In addition, Special Enforcement Officers patrol daily to remove trash and debris from within the community and BLM lands. The passing of Urgency Ordinance 134U has led to a substantial decrease in trash and debris in the BLM lands. The City has reviewed the IC/ID program and found our litter/trash BMPs to be sufficient.
Corona	As noted in past annual reports, the City reviewed and revised its IC/ID program to reflect the IDDE elements using the above referenced guidance manual. The proposed IC/ID program (including procedures and schedules) was incorporated into Volume IV of the CMP which was submitted to the Santa Ana Regional Board on May 31, 2011 by Riverside County Flood Control and Water Conservation District on behalf of the Co-Permittees. The CMP was approved by the Santa Ana Regional Board in a letter dated March 26, 2012. Within this permit term, City staff responsible for completing the IC/ID outfall investigations have attended the half-day training seminar sponsored by the Principal Permittee

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

	<p>wherein staff learned about proper sampling protocols and investigation techniques. The City also obtained a pH and Conductivity meter for use on future investigations. City staff completed IC/ID investigations in June of 2014.</p> <p>The City reviewed its IC/ID program to ensure for ongoing communication to effectively address IC/ID responses. Through this process and to help improve efficiency, the City is working to implement new computerized databases and programs to collect specific data/metrics as part of the IC/ID program. Also, efforts to identify potential IC/IDs are ongoing through Dry Weather inspections, Dry Season monitoring, Third-party notifications, and Business Inspections via the Industrial/Commercial inspection program, and Municipal Facility inspections.</p>
Eastvale	<p>The City Inspectors or Code Enforcement Officers will note and report any IC/ID situations to the Program Manager for follow up actions and record purposes. The City also has public reporting software and will receive public notices about IC/ID events as well. The City sees no need to adjust the program after reviewing the program.</p>
Hemet	<p>The City reviewed the effectiveness of the program during 2018-19 and determined that the written warning and violation notices will follow code enforcement processes.</p> <p>The City staff continues to educate the public about illicit discharges and pollution prevention. Educational materials are now available online at www.cityofhemet.org, as well as our corporation yard and city hall.</p> <p>The City of Hemet currently staffs a ROCS (Restoring Our Community Strategy) crew that specially targets illegal dumping within our city. This crew responds to illegal dumps and reports of debris located adjacent to a particular residence. The crew leaves a yellow tag on the property which explains the City of Hemet Municipal Code, a description of proper disposal of waste, and it also offers residents information about how to contact the City's solid waste provider, bulky waste collection services, and contact information to start waste collection services. This crew has been extremely effective since its inception, and in turn has positivity impacted our local watershed.</p> <p>Program highlights include:</p> <ul style="list-style-type: none"> 302 – Homeless encampment clean-ups 1054 – Illegal dump clean-ups 736 – Police Department calls for property clean-ups and storage <p>The annual review of the City of Hemet IC/ID program did not result in any revised procedures or schedules.</p>
Jurupa Valley	<p>No revisions made during reporting period.</p> <p>Review complete. No significant changes made during reporting period.</p>
Lake Elsinore	<p>No revisions to current program recommended. The City is proactive in holding city wide HHW events, homeless encampment cleanout and bringing the community together to clean areas – Clean Extreme events. What Can Businesses Do?</p>
Menifee	<p>The City reviewed the effectiveness of the program during 2018-19 and determined that there was no need for revisions.</p>
Moreno Valley	<p>The City of Moreno Valley reviewed and revised its IC/ID program to reflect the IDDE elements using the above referenced guidance manual. The proposed IC/ID program (including procedures and schedules) was incorporated into Volume IV of the CMP which was submitted to the</p>

PROGRAM IMPLEMENTATION

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

	<p>Santa Ana Regional Board on May 31, 2011 by Riverside County Flood Control and Water Conservation District on behalf of the Co-Permittees. The CMP was approved by the Santa Ana Regional Board in a letter dated March 26, 2012.</p> <p>The City reviewed its current IC/ID program, as required, during the reporting year and have initiated an effort to enhance the program by incorporating a standard operating procedure manual into our current program. The development of this manual is a multi-departmental effort. A draft has been completed and is in final review stage. The new SOP is anticipated to be implemented during the FY 19-20 reporting year.</p>
Norco	<p>The City has reviewed their IC/ID program to compare the IDDE elements using the above referenced guidance manual. The IC/ID Program (with procedures and schedule) was incorporated into volume IV of the CMP. The City's program will continue as it has in the past. All reports of possible illegal connections are investigated with enforcement actions taken as necessary. Routine maintenance and inspections are made and if any illegal connection is found, follow-up action/enforcement is taken to resolve the issue.</p> <p>The City of Norco has reviewed the available information regarding the effectiveness of the IC/ID program. Based on those findings the City's response approach appears to functional in eliminating IC/ID issues. All reports of IC/ID issues are investigated City Inspection staff as well are on the look out to identify related issues of concern. As with years past, this year, all the identified IC/ID incidents were resolved with verbal warnings. The City's program will continue on in its current configuration.</p>
Perris	<p>Based on our review of the past years' activities, no changes are specifically required. Code Enforcement staff were trained in 2018-19. NPDES Staff and Code Enforcement Staff have internal communications to provide enforcement.</p>
Riverside	<p>The City of Riverside reviewed and revised their IC/ID program to reflect the IDDE elements using the above referenced guidance manual. The proposed IC/ID program (including procedures and schedules) was incorporated into Volume IV of the CMP which was submitted to the Santa Ana Regional Board on May 31, 2011 by Riverside County Flood Control and Water Conservation District on behalf of the Co-Permittees. The CMP was approved by the Santa Ana Regional Board in a letter dated March 26, 2012.</p> <p>The City of Riverside reviewed the IC/ID program, including litter/trash BMPs. The City developed an Implementation Plan to comply with the State Trash Amendments. This plan specifically addresses litter/trash BMPs.</p>
Riverside County	<p>All IC/ID observations from County departments are reported to the Code Enforcement department for investigation, follow-up, enforcement, documentation and reporting.</p>
RCFC & WCD	<p>The proposed IC/ID program (including procedures and schedules) was incorporated into Volume IV of the CMP which was submitted to Santa Ana Regional Board staff on May 31, 2011 by the District on behalf of the Co-Permittees. The CMP was approved, with conditions, by the Santa Ana Regional Board in a letter dated March 26, 2012. Regional Board comments were addressed in the November 2012 Volume IV of the CMP draft. IC/ID investigations are ongoing throughout the Permit term.</p>
San Jacinto	<p>No revision to procedures and schedules were necessary.</p>

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

ILLICIT CONNECTIONS/ILLEGAL DISCHARGES 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
Provision No. IX.H of the MS4 Permit requires the Permittees to maintain and update a database summarizing IC/ID incident response (including IC/IDs detected as part of field monitoring activities).	
PERMITTEE	
Beaumont	Not Reported
Calimesa	No reportable cases for this reporting period.
Canyon Lake	Attachment #2
Corona	SEE ATTACHMENT 'A1'
Eastvale	See Attachment (B) Annual Report IC and ID Spreadsheet for FY 17-18
Hemet	SEE ATTACHMENT B
Jurupa Valley	See Permittee report.
Lake Elsinore	EXHIBIT 4.1
Menifee	See Attachment B.
Moreno Valley	See Attachment B
Norco	No IC/ID incidents were reported to the City now were any identified by City Inspection Staff for this reporting year.
Perris	See Exhibit 5
Riverside	See attached IC/ID spreadsheet summarizing the City's efforts to identify previously unknown IC/IDs. In addition, Table 2 in the Legal Authority/Enforcement section summarizes IC/ID incident responses.
Riverside County	See database in Attachment F.
RCFC & WCD	A copy of the database is provided in Appendix K.
San Jacinto	Attached.

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

ILLICIT CONNECTIONS/ILLEGAL DISCHARGES 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
<p>Provision No. IX.J of the MS4 Permit requires the Permittees to assess their programs to reduce and/or eliminate the discharge of trash and debris to Waters of the U.S. to the MEP. <i>Please provide the estimated tons of trash and debris removed from your Permittees MS4 facilities. This data will also be used in the assessment of the effectiveness of this program element. Please indicate the types of BMPs used to reduce or eliminate the discharge of trash and debris to Waters of the US to the MEP:</i></p>	
PERMITTEE	
Beaumont	Not Reported
Calimesa	1 ton Currently, Public Works Staff will manually pick up reported or visible trash on streets before it has a chance to be deposited into the MS4 Facilities. The City also contracts to have street sweeping done on curbed streets on a monthly basis.
Canyon Lake	22 tons
Corona	324.5 tons from Debris Basins & Open Channels (higher tonnage amount than in recent years due to the rain events from this past winter, and the debris collected from burned areas that discharged to City drainage). Storm Drain Inlets: Staff responded to maintenance activities via work orders and service requests this reporting period; however, the data was not verified for drain inlets. For perspective, prior reporting years data of tonnage removed from drain inlets yielded 35 for FY 17/18, 2.4 for FY 16/17, and 4.7 for FY 15/16. We are working to effectively collect specific data via a computerized database and software (NexGen) and will have this information available for next year's report. 2,305.46 tons from Street Sweeping
Eastvale	120 tons The City uses methods such as street sweeping, catch basin/inlet stenciling, education and information handouts, as well as the City starting to install full capture devices on all priority land use catch basins to comply with the Trash Amendment.
Hemet	1,283.08 tons 1. Public education and outreach on storm water impacts. 2. Public involvement/participation. 3. Illicit discharge detection and elimination. 4. Construction site storm water runoff controls. 5. Post-construction storm water management in new development and redevelopment. 6. Pollution prevention/good housekeeping for municipal operations. 7. Commercial, Industrial, and Restaurant Inspection program. 8. Street sweeping. 9. Catch basin stenciling.

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

	<p>10. Hemet ROCS crew assigned to illegal dumps and homeless encampments</p> <p>11. Enforcement of applicable Ordinances in the Municipal Code.</p> <p>12. Routine maintenance performed by retention basin crew.</p>
Jurupa Valley	16 tons
Lake Elsinore	<p>511.07 Tons</p> <ol style="list-style-type: none"> 1) 2 City sponsored City wide HHW cleanup events 2) City sponsored Clean Extreme events. 3) Installation of Pet Waste dispensers in all City Parks 4) Installation of cigarette waste containers on Main Street 5) Bi-weekly sweeping of all City streets 6) 2 free large item waste pickups upon request for residents 7) Waste bags provided to boaters who launch on the lake from the City's launch. 8) Floating toilets on the lake 9) Posting of no dumping signs around the lake and water ways 10) Installation of "Drains to the Lake" catch basin markers throughout the City 11) Conditioning new projects to install full capture trash devices onsite and in adjacent off site catch basins. 12) Conditioning new construction and retrofit projects to gate, cover and berm trash enclosures. 13) Policing and cleanup of homeless encampments throughout the city on a routine basis 14) Conditioning special events for timely cleanup and use of port-a-potty secondary containment and trash (regular and recyclables) throughout the event.
Menifee	<p>125 tons</p> <p>The City reduces discharge or trash and debris to waters of the US through the implementation of several BMPs including: regular street sweeping, MS4 cleaning, structural BMPs, good housekeeping and material storage BMPs at municipal facilities, educating on and enforcing housekeeping and material storage BMPs at industrial/commercial facilities and construction site.</p>
Moreno Valley	<p>6.73 tons</p> <p>The City of Moreno Valley is requiring all new development, significant redevelopments and street improvement projects to install, at minimum, State Board approved full trash capture devices on all catch basins within the project's boundary. In addition, residential tract developments in the City are required to install water quality basins that serve the dual purpose of an LID BMP as well as a trash capture system.</p>
Norco	<p>16 tons</p> <p>The City of Norco utilizes street sweeping and education as the primary BMPs to prevent or eliminate the discharge of trash or debris into water of the US. Additionally, as part of the WQMP aspect of new development projects, BMPs and other design features are being required to capture or reduce the amount of trash and debris that could leave the proposed project site.</p>
Perris	<p>1,015 tons</p> <p>There are 376 catch basin inserts in the City. Also all sites built with WQMPs have some kind of trash and debris BMP (structural or source control).</p>
Riverside	<p>3,844.41 tons</p> <p>Storm Drain Cleaning, Channel Cleaning, Street Sweeping, and Community Cleanup Events</p>
Riverside County	<p>110.5 tons</p> <p>BMPs include street sweeping, visual inspections and removals. See "Attachment A" for a description of BMPs used to eliminate discharge of</p>

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

<p>RCFC & WCD</p>	<p>trash and debris into storm drains systems.</p> <p>Debris removal: 11,761 tons, Sediment Removed: 80,673 CY, and Trash Removed: 4.16 tons</p> <p>The District's maintenance staff operates and maintains its MS4 infrastructure by removing trash, debris and sediment. Other efforts include coordinating Public Education outreach efforts and participating in community cleanup events such as the annual Santa Ana River clean-up event.</p> <p>In response to the recent Holy Fire, which burned approximately 23,000 acres, the District removed 178,904 CY of debris flow sediment collective from Leach Canyon Dam and McVicker Canyon Basin. This additional effort was contracted out and tracked separately. See Section 11 for how these efforts relate to the LE/CL TMDL.</p>
<p>San Jacinto</p>	<p>800.49 tons 345.24 tons of street sweeping debris collected 428.65 tons of catch basin cleaning debris collected. 18.6 tons of debris removed from 9,900 linear feet of underground storm drains. 8 tons of open channel debris collected.</p> <p>The City is in the process of finalizing an implementation plan for the Trash Amendment. The City completed an assessment of its catch basins to determine the appropriate fit and effectiveness for each location, as well as an assessment of the remaining high priority land use drainage areas and has identified approximately 43 basins which would be subject to retrofit. The City is currently developing a schedule for implementation and budget. The City primarily uses detention basins in all major developments. The City is in the process of developing an implementation plan for the Trash Amendment. The City is preparing a structural assessment of its catch basins to determine the appropriate fit and effectiveness for each location, as well as an assessment of the remaining high priority land use drainage areas. The City has budgeted \$30,000 for implementation in FY18-19. The City primarily uses detention basins in all major developments.</p>

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

**ILLICIT CONNECTIONS/ILLEGAL DISCHARGES
2018-2019 ANNUAL PROGRESS REPORT
SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT**

Provision No. XVI.D of the MS4 Permit requires the Permittees to summarize all spill incidents involving reportable quantities of Hazardous Waste per 40CFR 117 and 302.

PERMITTEE	
Beaumont	Not Reported
Calimesa	No reportable cases for this reporting period.
Canyon Lake	The City of Canyon Lake had no incidents with reportable quantities of hazardous waste during the fiscal year.
Corona	See Attached report from Fire Department on all calls potentially involving Hazardous Waste (ATTACHMENT 'F').
Eastvale	<p>The first spill that involved a reportable quantity of hazardous waste was a crash that occurred at the intersection of Mission Avenue and Cornerstone Drive on 7/30/2018. A vehicle ran a red light hitting the side of a semi causing the gas tank to rupture. There was approximately 40 to 50 gallons of diesel fuel that leaked into the road. The issue was reported to CalOES within two hours of the event. None of the waste reached a storm drain. The City had a hazmat crew come out to vacuum all potentially contaminated debris and clean the road they day of the incident. See Attachment H for the 18/19 IC/ID list.</p> <p>The second issue occurred on Monday May 20th, 2019. There was a small oil spill at 12862 Clemson Drive in Eastvale. It was an unidentified quantity but was most likely between 1 to 5 gallons maximum, as the overall quantity of oil present was around 5 gallons and not all of it had spilled. The cause of the issue was the fact that the owner of the property, Lex or Yujie Yang, called for an oil pickup from the property by Waste Management (WM) trying to dispose of the oil properly and put the used oil that was supposed to be picked up curbside. However, the oil was not put into the correct containers, was too large of a quantity for the bag, and it appeared the bag had been dragged down the driveway onto the curb causing it to rip holes in the bag and leak. All of these were rules from WM that were clearly stated on the bag Mr. Yang put the oil in, as well as WM's website.</p> <p>We found this issue because on Monday morning a City Code Enforcement officer noticed the spill and alerted me and Chris De Hesa, another Code Officer. Upon going out to the area I noticed a clear Waste Management bag full of used oil containers that were leaking on the sidewalk into the gutter, ultimately mixing with a small amount of irrigation water and entering the City storm drain nearby. I reported the issue to CalOES and the Regional Water Board and then worked with my Code Enforcement Department and Mr. Yang to get a company out to clean the issue. Mr. Yang called out a company called The BioClean Team who dammed off the location to prevent any other contaminant entering the storm drain Monday May 20th and were out to finish the cleanup job on Tuesday May 21st.</p>
Hemet	There were no spill incidents in 2018-2019 involving reportable quantities of Hazardous Waste per 40CFR 117 and 302.
Jurupa Valley	NONE
Lake Elsinore	None to report for FY2018-19.
Menifee	There were no spill incidents involving reportable quantities of hazardous waste in 2018-19.
Moreno Valley	There were no incidents during the reporting period involving reportable quantities.

TABLE 5-1 ILLICIT CONNECTIONS/ILLEGAL DISCHARGES

Norco	There are no spills of hazardous waste to report during the FY 2018-2019
Perris	No reportable incidents for the reporting year.
Riverside	No spill incidents involving reportable quantities of Hazardous Waste per 40CFR 117.
Riverside County	There were 124 spills recorded in the County of Riverside unincorporated areas during the reporting year from Environmental Health. Please see Attachment H for Hazardous Waste Spill data.
RCFC & WCD	See NPDES complaints database in Appendix K.
San Jacinto	None reported.

PROGRAM IMPLEMENTATION

6. PRIVATE DEVELOPMENT CONSTRUCTION ACTIVITY

Permittees require applicants to obtain coverage under the Construction General Permit, categorize the project as a high, medium or low threat to water quality prior to the issuance of grading or construction permits and ensure that the erosion and sediment control plans that are approved include appropriate erosion and sediment control BMPs and that they are implemented through all phases of construction.

INVENTORY DATABASE

In conformance with Provision No. XI.B.1 of the 2010 SAR MS4 Permit, each Permittee continues to maintain and update an inventory database (or databases) of construction sites for which they have issued a building or grading permit. Projects are removed from the database when construction is complete and the project's building or grading permit is closed. Permittee databases are included with the respective Permittee submittal section of this report under **Appendix J**.

Provision XI.B.2 of the 2010 SAR MS4 Permit requires each Permittee to inspect all inventoried construction sites, document relevant site information and include it into the inventory database. In establishing priorities for inspection of construction sites, each Permittee shall also prioritize construction sites as high, medium, or low threat to receiving water quality.

Provision XI.A.2 and XI.B.3 of the 2010 SAR MS4 Permit requires that each Permittee also conduct construction site inspections for compliance with its ordinances (grading, WQMP's, etc.) and local permits (building, grading, etc.). The Permittees shall document the number of inspections and actions taken then summarize and report on those actions annually.

When conducting construction site inspections, the Permittees' construction site inspectors, at a minimum, address the following items:

- For projects of one acre or more, verify that an NOI has been submitted via the State Board SMARTS system. Verification is typically made by reviewing a printed copy of the NOI showing the WDID number issued for the site. As Permittees become aware of changes in ownership, Permittees will notify Santa Ana Regional Board staff.
- For projects of one acre or more, verify that a SWPPP is onsite.
- Verification that the BMPs implemented onsite are effective for the appropriate phase of construction (preliminary stage, mass grading stage, streets and utilities stage, etc.). Confirm compliance with the Permittee's stormwater ordinance.
- Check for poorly managed authorized non-stormwater discharges or evidence of unauthorized non-stormwater discharges that may be potential IC/IDs to a MS4.

Based on the inspection findings, the Permittees implement follow-up actions as necessary to comply with the requirements of the 2010 SAR MS4 Permit.

PROGRAM IMPLEMENTATION

Provision No. XV.C requires the Permittees to provide training to staff involved in inspecting construction sites. Permittee staff responsible for conducting construction site inspections receive

INSPECTOR TRAINING REQUIREMENTS

annual training regarding the following topics:

- The local jurisdiction's stormwater ordinance and other applicable local jurisdiction resolutions and codes;
- The 2010 SAR MS4 Permit;
- The construction activity permits; and
- The local jurisdiction's enforcement and compliance strategy/policy for construction sites.

This annual training for construction site inspectors is conducted prior to October 1st, the start of the rainy season. The Permittees ensure that newly-hired municipal staff or transferred municipal staff receive formal training within six months of beginning their inspection duties. A summary of the Permittees' efforts is provided in **Table 6-1**.

Table 6-1 Construction Activities

PRIVATE DEVELOPMENT CONSTRUCTION ACTIVITY 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT						
PERMITTEE		1. Number of enforcement actions that reached each level of enforcement:	2. Number of active construction sites subject to the Construction General Permit that are discovered without coverage:	3. Number of illegal construction sites that are discovered (i.e. without building/grading permits):	4. Number of construction inspection staff that attended formal construction training:	5. Provision No. XIA.2 of the Permit requires each Permittee shall continue to prioritize Construction Sites within its jurisdictions as a high, medium or low threat to water quality.
Beaumont		Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
Calimesa		Education and information: 0 Verbal warning: 0 Written warning: 1 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0	0	0	0	Please provide total number of construction sites in your inventory: 11 Number of sites initially to be high priority sites: 1 Number of sites initially to be medium priority sites: 8 Number of sites initially to be low priority sites: 2 Number of construction site inspections completed for Private Construction Inspections: 215 Number of construction site inspections completed for Public Construction Inspections: 0 Number of follow-up inspections performed due to BMP deficiencies: 0 Number of follow-up inspections performed due to SWPPP deficiencies: 0 Number of completed construction projects/construction sites closed for this FY: 1
Canyon Lake		Education and information: 5 Verbal warning: 0 Written warning: 10 Notice of violation or noncompliance: 10 Administrative compliance order: 0 Stop work order or cease and desist order: 2 Civil citation or injunction: 0 Administrative fine: 1 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0	0	0	1	See Permittee Report

Table 6-1 Construction Activities

<p>Corona</p>		<p>Education and information: 80 Verbal warning: 15 Written warning: 0 Notice of violation or noncompliance: 6 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>0</p>	<p>1</p>	<p>5</p>	<p>Please provide total number of construction sites in your inventory: 17 Number of sites initially to be high priority sites: 6 Number of sites initially to be medium priority sites: 10 Number of sites initially to be low priority sites: 1 Number of construction site inspections completed for Private Construction Inspections: 80 Number of construction site inspections completed for Public Construction Inspections: 0 Number of follow-up inspections performed due to BMP deficiencies: 16 Number of follow-up inspections performed due to SWPPP deficiencies: 16 Number of completed construction projects/construction sites closed for this FY: 5</p>
<p>Eastvale</p>		<p>Education and information: 39 Verbal warning: 39 Written warning: 10 Notice of violation or noncompliance: 1 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>0</p>	<p>0</p>	<p>4 (See attachment G)</p>	<p>Please provide total number of construction sites in your inventory: 23 Number of sites initially to be high priority sites: 8 Number of sites initially to be medium priority sites: 15 Number of sites initially to be low priority sites: 0 Number of construction site inspections completed for Private Construction Inspections: 39 Number of construction site inspections completed for Public Construction Inspections: 0 Number of follow-up inspections performed due to BMP deficiencies: 10 Number of follow-up inspections performed due to SWPPP deficiencies: 6 Number of completed construction projects/construction sites closed for this FY: 1</p>

Table 6-1 Construction Activities

<p>Hemet</p>		<p>Education and information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>0</p>	<p>0</p>	<p>4</p>	<p>Please provide total number of construction sites in your inventory: 18 Number of sites initially to be high priority sites: 1 Number of sites initially to be medium priority sites: 1 Number of sites initially to be low priority sites: 16 Number of construction site inspections completed for Private Construction Inspections: 9 Number of construction site inspections completed for Public Construction Inspections: 0 Number of follow-up inspections performed due to BMP deficiencies: 0 Number of follow-up inspections performed due to SWPPP deficiencies: 0 Number of completed construction projects/construction sites closed for this FY: 6</p>
<p>Jurupa Valley</p>		<p>Education and information: 0 Verbal warning: 5 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>0</p>	<p>0</p>	<p>1</p>	<p>Please provide total number of construction sites in your inventory: 0 Number of sites initially to be high priority sites: 0 Number of sites initially to be medium priority sites: 3 Number of sites initially to be low priority sites: 22 Number of construction site inspections completed for Private Construction Inspections: 25 Number of construction site inspections completed for Public Construction Inspections: 0 Number of follow-up inspections performed due to BMP deficiencies: 6 Number of follow-up inspections performed due to SWPPP deficiencies: 0 Number of completed construction projects/construction sites closed for this FY: 1</p>

Table 6-1 Construction Activities

<p>Lake Elsinore</p>		<p>Education and information: 268 Verbal warning: 1 Written warning: 1 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>0</p>	<p>0</p>	<p>5 (EXHIBIT 5.1)</p>	<p>Please provide total number of construction sites in your inventory: 48 Number of sites initially to be high priority sites: 6 Number of sites initially to be medium priority sites: 17 Number of sites initially to be low priority sites: 25 Number of construction site inspections completed for Private Construction Inspections: 258 Number of construction site inspections completed for Public Construction Inspections: 75 Number of follow-up inspections performed due to BMP deficiencies: 4 Number of follow-up inspections performed due to SWPPP deficiencies: 0 Number of completed construction projects/construction sites closed for this FY: 5</p>
<p>Menifee</p>		<p>Education and information: 394 Verbal warning: 10 Written warning: 22 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>0</p>	<p>1</p>	<p>2</p>	<p>Please provide total number of construction sites in your inventory: 59 Number of sites initially to be high priority sites: 33 Number of sites initially to be medium priority sites: 15 Number of sites initially to be low priority sites: 11 Number of construction site inspections completed for Private Construction Inspections: 392 Number of construction site inspections completed for Public Construction Inspections: 34 Number of follow-up inspections performed due to BMP deficiencies: 9 Number of follow-up inspections performed due to SWPPP deficiencies: 0 Number of completed construction projects/construction sites closed for this FY: 11</p>

Table 6-1 Construction Activities

<p>Moreno Valley</p>		<p>Education and information: 36 Verbal warning: 51 Written warning: 30 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>0</p>	<p>0</p>	<p>42 <u>See Attachment C for Sign in Sheet</u></p>	<p>Please provide total number of construction sites in your inventory: 36 Number of sites initially to be high priority sites: 6 Number of sites initially to be medium priority sites: 14 Number of sites initially to be low priority sites: 16 Number of construction site inspections completed for Private Construction Inspections: 107 Number of construction site inspections completed for Public Construction Inspections: 2 Number of follow-up inspections performed due to BMP deficiencies: 81 Number of follow-up inspections performed due to SWPPP deficiencies: 0 Number of completed construction projects/construction sites closed for this FY: 6</p>
<p>Norco</p>		<p>Education and information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>0</p>	<p>1</p>	<p>1</p>	<p>Please provide total number of construction sites in your inventory: 3 Number of sites initially to be high priority sites: 0 Number of sites initially to be medium priority sites: 1 Number of sites initially to be low priority sites: 0 Number of construction site inspections completed for Private Construction Inspections: 52 (Estimated) Number of construction site inspections completed for Public Construction Inspections: Not tracked, but minimum once per day for active projects Number of follow-up inspections performed due to BMP deficiencies: 0 Number of follow-up inspections performed due to SWPPP deficiencies: 3 Number of completed construction projects/construction sites closed for this FY: 7</p>

Table 6-1 Construction Activities

<p>Perris</p>		<p>Education and information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>0</p>	<p>0</p>	<p>7 (in-house training and review)</p>	<p>Please provide total number of construction sites in your inventory: 18 Number of sites initially to be high priority sites: 2 Number of sites initially to be medium priority sites: 7 Number of sites initially to be low priority sites: 9 Number of construction site inspections completed for Private Construction Inspections: 47 Number of construction site inspections completed for Public Construction Inspections: 0 Number of follow-up inspections performed due to BMP deficiencies: 0 Number of follow-up inspections performed due to SWPPP deficiencies: 0 Number of completed construction projects/construction sites closed for this FY: 6</p>
<p>Riverside</p>		<p>Education and information: 118 Verbal warning: 83 Written warning: 31 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 4 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>0</p>	<p>0</p>	<p>17</p>	<p>Please provide total number of construction sites in your inventory: 99 Number of sites initially to be high priority sites: 0 Number of sites initially to be medium priority sites: 6 Number of sites initially to be low priority sites: 93 Number of construction site inspections completed for Private Construction Inspections: 357 Number of construction site inspections completed for Public Construction Inspections: 7 Number of follow-up inspections performed due to BMP deficiencies: 118 Number of follow-up inspections performed due to SWPPP deficiencies: 0 Number of completed construction projects/construction sites closed for this FY: 31</p>

Table 6-1 Construction Activities

<p>Riverside County</p>		<p>Education and information: 201 Verbal warning: 201 Written warning: 201 Notice of violation or noncompliance: 0 Administrative compliance order: N/A Stop work order or cease and desist order: N/A Civil citation or injunction: N/A Administrative fine: N/A Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): N/A</p>	<p>0</p>	<p>0</p>	<p>36</p>	<p>Please provide total number of construction sites in your inventory: 167 Number of sites initially to be high priority sites: 40 Number of sites initially to be medium priority sites: 114 Number of sites initially to be low priority sites: 13 Number of construction site inspections completed for Private Construction Inspections: 353 Number of construction site inspections completed for Public Construction Inspections: N/A Number of follow-up inspections performed due to BMP deficiencies: 0 Number of follow-up inspections performed due to SWPPP deficiencies: 0 Number of completed construction projects/construction sites closed for this FY: 54</p>
<p>RCFC & WCD</p>		<p>N/A</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>
<p>San Jacinto</p>		<p>Education and information: 0 Verbal warning: 5 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>0</p>	<p>0</p>	<p>1</p>	<p>Please provide total number of construction sites in your inventory: 12 Number of sites initially to be high priority sites: 1 Number of sites initially to be medium priority sites: 0 Number of sites initially to be low priority sites: 11 Number of construction site inspections completed for Private Construction Inspections: 12 Number of construction site inspections completed for Public Construction Inspections: 0 Number of follow-up inspections performed due to BMP deficiencies: 5 Number of follow-up inspections performed due to SWPPP deficiencies: 0 Number of completed construction projects/construction sites closed for this FY: 0</p>

Table 6-1 Construction Activities

**PRIVATE DEVELOPMENT CONSTRUCTION ACTIVITY
2018-2019 ANNUAL PROGRESS REPORT
SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT**

**Provision No. XI.A.1 and XI.B.1 of the Permit requires each Co-Permittee to maintain and update a database inventory of all active Construction Sites.
Provision No. XI.A.2 of Permit requires submittal of this database with each Annual Report.**

PERMITTEE	
Beaumont	Not Reported
Calimesa	Attached at end of Report.
Canyon Lake	In July 2018- June 2019 there has been no caused runoff of silt, soil and debris related to construction activity.
Corona	See Attachment B.
Eastvale	See Attachment D - Active Construction Site Inventory.
Hemet	See Attachment C.
Jurupa Valley	See Permittee report.
Lake Elsinore	EXHIBIT 5.2
Menifee	See Attachment C.
Moreno Valley	See Attachment D.
Norco	See attached for construction project inventory.
Perris	Please see attached Exhibit 6 for a hardcopy of the database for construction sites.
Riverside	See attached documents.
Riverside County	Please see Attachment C.1 and Attachment C.2 for electronic database of private and Transportation Department's construction sites, respectively.
RCFC & WCD	N/A
San Jacinto	Attached.

Table 6-1 Construction Activities

**PRIVATE DEVELOPMENT CONSTRUCTION ACTIVITY
2018-2019 ANNUAL PROGRESS REPORT
SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT**

Provision No. XI.A.11 of the Permit states that the Co-Permittees shall document, evaluate and annually report the effectiveness of its enforcement procedures in achieving prompt and timely compliance with inspection programs.

PERMITTEE	
Beaumont	Not Reported
Calimesa	All Construction sites are inspected on a more frequent basis than required. The Public Works Inspector knows the sites under construction and will perform drive by inspections to make sure that BMP's are in place even if no inspection is required at such time. During predicted rain events, inspection will occur and after the event.
Canyon Lake	See Permittee Report
Corona	The City reviewed its Construction Activities-Inspection Program to ensure for ongoing communication – effectively addressing enforcement of construction activities. The enforcement procedures are: Education and Information; Verbal Warning; Notice of Violation or Noncompliance (Notice to Correct Deficiency); Stop Work Order or Cease and Desist Order; Civil Citation or Injunction; Administrative Fine; and Referral to the Environmental Crimes Strike Force for criminal prosecution. Most construction sites achieved compliance via Education and Information and/or Verbal Warning. The procedures are very effective, thus yielding prompt and timely compliance. All activities are highlighted in the LIP.
Eastvale	The City's current enforcement program seems to be very effective. The City has not had to move farther than written enforcement before obtaining compliance from any site with a found deficiency. Most deficiencies are fixed within 24 hours to 2 business days. Voluntary compliance is usually achieved after verbal warnings.
Hemet	The annual review of the City of Hemet Inspection Program as it relates to Construction activities did not result in any revised procedures or schedules. The City conducted 9 inspections on active construction sites. No enforcement actions were required. Inspections performed on sites that did not require coverage under the Construction General Permit were inspected to ensure Good Housekeeping Practices were being enforced.
Jurupa Valley	No changes during reporting period. Program effectiveness is adequate and within the MS4 regulations.
Lake Elsinore	A review of the MS4 Web database used for tracking Construction Sites revealed that only a couple of inspections were omitted. The MS4 Web database is usable in the field, which has helped eliminate missed inspection tracking. The City's process of having a preconstruction meeting to review the site, including BMP implementation has helped to prevent issues. Overall the development community is responsive.
Menifee	The City reviewed the effectiveness of its construction inspection and enforcement program during 2018-19 and determined that there was no need for revisions.
Moreno Valley	The City evaluated its construction site inspection program and determined no enhancements to the program were necessary.
Norco	The City's inspection program includes the review of construction conditions that may impact water quality. The City's inspector reviews BMPs at each site visit as part of each inspection. Any deficiencies are noted immediately and if needed follow up inspection is completed to ensure the issue is resolved. Based on the information from this past reporting year the approach continues to be effective in preventing and eliminating discharges. In past instances where notice of an issue was elevated above verbal warnings the City has issued written warnings and NOVs with acceptable results in mitigation of the issue.

Table 6-1 Construction Activities

**PRIVATE DEVELOPMENT CONSTRUCTION ACTIVITY
2018-2019 ANNUAL PROGRESS REPORT
SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT**

Provision No. XI.A.11 of the Permit states that the Co-Permittees shall document, evaluate and annually report the effectiveness of its enforcement procedures in achieving prompt and timely compliance with inspection programs.

PERMITTEE	
Perris	The review with the City Engineer's office of the applied Construction Inspection program was thorough and detailed. The specifics of the ordinance were reviewed as was the City's enforcement procedures. It was found that no additional requirements were needed. Implementation is consistent and applied equally.
Riverside	The City of Riverside annually reviews and evaluates its inspection program as part of the annual report preparation.
Riverside County	After review of the Construction Inspection Program and related language in the LIP, no changes were made to the Inspection Program.
RCFC & WCD	The District maintains an electronic database of active District-owned construction sites. However, the District does not issue grading or building permits for private construction activity. The District does, however, utilize the SWRCB's SMARTS system for those projects that are deemed applicable.
San Jacinto	No changes were identified as a result of our review.

PROGRAM IMPLEMENTATION

7. INDUSTRIAL AND COMMERCIAL SOURCES

CURRENT INDUSTRIAL AND COMMERCIAL FACILITY INSPECTIONS

Permittees conduct stormwater compliance surveys at targeted industrial and commercial facilities within their respective jurisdictions; some Permittees utilize existing inspection programs in order to achieve compliance with this requirement, others have elected to bring on additional staff or consultants. Each Permittee conducts follow-up inspections to ensure compliance with their respective stormwater ordinances at facilities where initial inspections identified deficiencies.

The Permittees have developed a program to identify compliance of industrial and commercial facilities with local stormwater ordinances and, where applicable, potential non-compliance with California's General Permit for Storm Water Discharges associated with Industrial Activities. Two main components of this existing program are the Permittees' industrial and commercial facility inspections, which replaced the Compliance Assistance Program (CAP), and the local POTW pre-treatment inspection programs.

PERMITTEES' INDUSTRIAL AND COMMERCIAL FACILITY INSPECTION

The Permittees began to implement measures to ensure the industrial and commercial facility inspections are conducted according to the 2010 SAR MS4 Permit soon after the termination of the CAP. The inspections are performed by the Permittees, at frequencies mentioned in Provision No. XI.D.

The Permittees' industrial and commercial facility inspection involved a detailed stormwater compliance survey for:

- Facilities that must secure a hazardous material permit for storing, handling, or generating such materials; and
- Retail food facilities.

PROGRAM IMPLEMENTATION

The Permittees' industrial and commercial facility inspection includes educational outreach to the inspected facilities and completion of a detailed stormwater compliance survey. Completed survey forms are included into the respective municipality's database. The completed survey forms are prioritized, and the respective municipality's representative identifies those surveys that indicate non-compliance to initiate a follow-up inspection. In conducting a facility inspection, if it appears that the facility may be required to have coverage under the General Permit for Storm Water Discharges Associated with Industrial Activities (Industrial General Permit) and the facility operator indicated that a Notice of Intent (NOI) has not been filed, the inspector provides the facility operator with an informational sheet on the requirements of the Industrial General Permit.

The 2010 SAR MS4 Permit requires the Permittees to ensure that the stormwater compliance surveys of restaurants conducted, address, at a minimum:

- Oil and grease disposal to verify that these wastes are not poured onto parking lots, streets, or adjacent catch basins;
- Trash bin areas to verify that these areas are clean, the bin lids are closed, the bins are not used for liquid waste disposal, and wash water from the bins is not disposed into the MS4;
- Parking lot, alley, sidewalk and street areas to verify that floor mats, filters and garbage containers are not washed in those areas and that no wash water is disposed of in those areas;
- Parking lot areas to verify that they are cleaned by sweeping, not by hosing down, and that the facility operator uses dry methods for spill cleanup; and
- Violations of the stormwater ordinance are enforced by the Permittee.

INDUSTRIAL/COMMERCIAL FACILITY DATABASE

Provision No. XI.A.1 of the 2010 SAR MS4 Permit requires each Permittee to continue to update its industrial and commercial facilities database, including facility information priority and inspection information. The database content may be Permittee specific but contains minimum information that must be provided. The Permittees use different mechanisms to track inspections for industrial and commercial facilities—this may vary according to the software that they utilize. The District offered support to three Permittees and helped develop a Geographic Information System-based inspection method to assist with their inspections. Others use software that may be compatible with other City or County services.

Provision No. XI.A.2 requires a summary of the number of industrial and commercial facilities compliance surveys/inspections and the actions taken. Further details regarding each Permittees' submitted spreadsheet are found in **Appendix J**.

Provision Nos. XI.C.1 and XI.D.3 requires each agency to prioritize and inspect all inventoried industrial and commercial facilities.

PROGRAM IMPLEMENTATION

PROGRAM IMPLEMENTATION

Provision No. XI. requires each Permittee to develop an inventory of the following commercial facilities/companies within its jurisdiction:

- Mobile automobile or other vehicle washing/detailing (base of operations);
- Mobile carpet, drape or furniture cleaning (base of operations);
- Mobile high pressure or steam cleaning (base of operations);
- Mobile equipment washing/cleaning (base of operations);
- Nurseries and greenhouses;
- Landscape and hardscape installation (base of operations);
- Other commercial facilities that the Permittee determines may contribute a significant pollutant load to the MS4;
- Facilities that transport, store, or transfer pre-production plastic pellets;
- Managed turf facilities (e.g., private golf courses, athletic fields, cemeteries, and private parks); and
- Industrial facilities defined in Attachment 1 of the Industrial General Permit.

Permittee databases are included with the respective Permittee submittal section of this report under **Appendix J** – Permittee Reports.

INSPECTION REQUIREMENTS

Provision No. XI.C.1 requires each agency's industrial facility compliance surveys and inspections to address the following items:

- Verification of the type (or types) of industrial and/or commercial activities and facility Standard Industrial Classification (SIC) codes;
- Submittal of an NOI to comply with the General Industrial Permit, if applicable, based upon the facility's SIC code;
- Compliance with the Permittee's stormwater ordinance;
- Observation for non-stormwater discharges, potential IC/IDs to the MS4;
- Potential discharge of pollutants in urban runoff from areas of material storage, vehicle or equipment fueling, or equipment maintenance (including washing), waste handling, hazardous materials handling or storage, delivery areas or loading docks, or other outdoor work areas;
- Implementation and maintenance of appropriate or minimum BMPs;
- Qualitative assessment of the effectiveness of the BMPs implemented; and
- Education regarding stormwater pollution prevention.

The Permittees developed a template form to use during follow up site inspections. A summary of the Permittees' efforts is provided in **Table 7-1**.

PROGRAM IMPLEMENTATION

INDUSTRIAL/COMMERCIAL FACILITY INSPECTOR TRAINING

Provision No. XV.C of the 2010 SAR MS4 Permit requires each Permittee to provide training to staff involved in conducting industrial facilities compliance surveys/inspections.

Permittee staff responsible for conducting inspections, as part of the Permittee Industrial and Commercial Inspection Program or a wastewater pretreatment inspection program, receive annual training regarding the following topics:

- Selection, implementation, and maintenance of appropriate or minimum BMPs for industrial or commercial facilities;
- The Industrial General Permit and NOI requirements;
- The Permittee's stormwater ordinance and other local jurisdiction resolutions and codes related to protection of water quality;
- The 2010 SAR MS4 Permit, the DAMP, and the LIP;
- The local jurisdiction's enforcement and compliance strategy/policy for industrial and commercial facilities;
- How to provide guidance to industrial and commercial facility operators on proper selection, implementation and maintenance of BMPs, and compliance with the requirements of the stormwater ordinance during site inspections; and
- TMDL requirements and appropriate BMPs to mitigate the impacts of industrial and commercial facilities.

The Permittees ensure that newly hired municipal staff or transferred municipal staff receives informal training within six months of hire and formal training within one year of hire. When planning formal classroom training related to conducting inspections of industrial or commercial facilities, the Permittees will notify, and coordinate with Santa Ana Regional Board staff.

Permittee staff responsible for conducting industrial or commercial facility inspections may also attend training sponsored by professional associations such as the American Society of Civil Engineers, American Public Works Association, CASQA, and other area-wide MS4 Permittees and entities.

Table 7-1 Industrial and Commercial Sources

INDUSTRIAL AND COMMERCIAL SOURCES 2018-2019 ANNUAL PROGRESS REPORT Santa Ana Region NPDES Municipal Stormwater Permit					
PERMITTEE	1. Number of enforcement actions that reached each level of enforcement:	2. Please provide the following metrics:	3. Number of Industrial Facilities subjects to the Industrial General Permit that are discovered without coverage:	4. Number of new Industrial/Commercial facilities added to database:	5. Number of applicable Industrial/Commercial facility inspection staff that attended formal Industrial/Commercial training:
Beaumont	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
Calimesa	Education and information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0	-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>1</u> Industrial and <u>306</u> number of Commercial -Number of high priority facilities: <u>1</u> No. of Industrial and <u>4</u> No. of Commercial -Number of medium priority facilities: <u>0</u> no. of industrial and <u>26</u> no. of commercial -Number of low priority sites: <u>0</u> no. of industrial and <u>276</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>1</u> no. of industrial and <u>4</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>0</u> no. of industrial and <u>0</u> no. of commercial	0	209	0

Table 7-1 Industrial and Commercial Sources

<p>Canyon Lake</p>	<p>Education and information: 11 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>See Permittee Report</p>	<p>0</p>	<p>0</p>	<p>2</p>
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Table 7-1 Industrial and Commercial Sources

<p>Corona</p>	<p>Education and information: 568 Verbal warning: 32 Written warning: 0 Notice of violation or noncompliance: 1 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>478</u> Industrial and <u>1,949</u> number of Commercial -Number of high priority facilities: <u>206</u> No. of Industrial and <u>107</u> No. of Commercial -Number of medium priority facilities: <u>183</u> no. of industrial and <u>560</u> no. of commercial -Number of low priority sites: <u>89</u> no. of industrial and <u>1,282</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>475</u> no. of industrial and <u>1,924</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>204</u> no. of industrial and <u>291</u> no. of commercial</p>	<p>76</p>	<p>72</p>	<p>2</p>
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Table 7-1 Industrial and Commercial Sources

<p>Eastvale</p>	<p>Education and information: 98 Verbal warning: 11 Written warning: 1 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>27</u> Industrial and <u>156</u> number of Commercial -Number of high priority facilities: <u>27</u> No. of Industrial and <u>75</u> No. of Commercial -Number of medium priority facilities: <u>0</u> no. of industrial and <u>64</u> no. of commercial -Number of low priority sites: <u>0</u> no. of industrial and <u>16</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>27</u> no. of industrial and <u>103</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>1</u> no. of industrial and <u>9</u> no. of commercial</p>	<p>6</p>	<p>6</p>	<p>2 inspection staff attended (See attachment G)</p>
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Table 7-1 Industrial and Commercial Sources

<p>Hemet</p>	<p>Education and information: 51 Verbal warning: 18 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>21</u> Industrial and <u>288</u> number of Commercial -Number of high priority facilities: <u>21</u> No. of Industrial and <u>23</u> No. of Commercial -Number of medium priority facilities: <u>0</u> no. of industrial and <u>100</u> no. of commercial -Number of low priority sites: <u>0</u> no. of industrial and <u>165</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>21</u> no. of industrial and <u>288</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>5</u> no. of industrial and <u>64</u> no. of commercial</p>	<p>8</p>	<p>15</p>	<p>2</p>
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Table 7-1 Industrial and Commercial Sources

<p>Jurupa Valley</p>	<p>Education and information: 238 Verbal warning: 23 Written warning: 8 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>400</u> Industrial and <u>800</u> number of Commercial -Number of high priority facilities: <u>100</u> No. of Industrial and <u>30</u> No. of Commercial -Number of medium priority facilities: <u>200</u> no. of industrial and <u>100</u> no. of commercial -Number of low priority sites: <u>500</u> no. of industrial and <u>670</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>400</u> no. of industrial and <u>800</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>30</u> no. of industrial and <u>10</u> no. of commercial</p>	<p>0</p>	<p>0</p>	<p>1</p>
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Table 7-1 Industrial and Commercial Sources

<p>Lake Elsinore</p>	<p>Education and information: 34 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>79</u> Industrial and <u>596</u> number of Commercial -Number of high priority facilities: <u>20</u> No. of Industrial and <u>0</u> No. of Commercial -Number of medium priority facilities: <u>5</u> no. of industrial and <u>42</u> no. of commercial -Number of low priority sites: <u>52</u> no. of industrial and <u>301</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>78</u> no. of industrial and <u>270</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>0</u> no. of industrial and <u>0</u> no. of commercial</p>	<p>4</p>	<p>69</p>	<p>1 (Exhibit 6.1)</p>
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Table 7-1 Industrial and Commercial Sources

<p>Menifee</p>	<p>Education and information: 32 Verbal warning: 0 Written warning: 13 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>37</u> Industrial and <u>231</u> number of Commercial -Number of high priority facilities: <u>1</u> No. of Industrial and <u>6</u> No. of Commercial -Number of medium priority facilities: <u>5</u> no. of industrial and <u>30</u> no. of commercial -Number of low priority sites: <u>31</u> no. of industrial and <u>195</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>5</u> no. of industrial and <u>40</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>1</u> no. of industrial and <u>12</u> no. of commercial</p>	<p>0</p>	<p>28</p>	<p>1 (Internal training by consultant staff)</p>
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Table 7-1 Industrial and Commercial Sources

<p>Moreno Valley</p>	<p>Education and information: 649 Verbal warning: 0 Written warning: 34 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>45</u> Industrial and <u>599</u> number of Commercial -Number of high priority facilities: <u>32</u> No. of Industrial and <u>493</u> No. of Commercial -Number of medium priority facilities: <u>10</u> no. of industrial and <u>95</u> no. of commercial -Number of low priority sites: <u>3</u> no. of industrial and <u>11</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>42</u> no. of industrial and <u>588</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>1</u> no. of industrial and <u>33</u> no. of commercial</p>	<p>23</p>	<p>See Permittee Report</p>	<p>2</p>
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Table 7-1 Industrial and Commercial Sources

<p>Norco</p>	<p>Education and information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>6</u> Industrial and <u>925</u> number of Commercial -Number of high priority facilities: <u>0</u> No. of Industrial and <u>0</u> No. of Commercial -Number of medium priority facilities: <u>6</u> no. of industrial and <u>713</u> no. of commercial -Number of low priority sites: <u>0</u> no. of industrial and <u>218</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>6</u> no. of industrial and <u>925</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>0</u> no. of industrial and <u>0</u> no. of commercial</p>	<p>0</p>	<p>0</p>	<p>N/A</p>
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Table 7-1 Industrial and Commercial Sources

<p>Perris</p>	<p>Education and information: 2 Verbal warning: 3 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>45</u> Industrial and <u>75</u> number of Commercial -Number of high priority facilities: <u>4</u> No. of Industrial and <u>11</u> No. of Commercial -Number of medium priority facilities: <u>16</u> no. of industrial and <u>30</u> no. of commercial -Number of low priority sites: <u>25</u> no. of industrial and <u>34</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>5</u> no. of industrial and <u>47</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>0</u> no. of industrial and <u>2</u> no. of commercial</p>	<p>0</p>	<p>13</p>	<p>3</p>
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Table 7-1 Industrial and Commercial Sources

<p>Riverside</p>	<p>Education and information: 351 Verbal warning: 321 Written warning: 27 Notice of violation or noncompliance: 3 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>316</u> Industrial and <u>4,201</u> number of Commercial -Number of high priority facilities: <u>49</u> No. of Industrial and <u>110</u> No. of Commercial -Number of medium priority facilities: <u>251</u> no. of industrial and <u>3,632</u> no. of commercial -Number of low priority sites: <u>16</u> no. of industrial and <u>459</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>316</u> no. of industrial and <u>4,201</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>52</u> no. of industrial and <u>165</u> no. of commercial</p>	<p>6</p>	<p>234</p>	<p>18</p>
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Table 7-1 Industrial and Commercial Sources

<p>Riverside County</p>	<p>Education and information: 174 Verbal warning: 120 Written warning: 111 Notice of violation or noncompliance: 9 Administrative compliance order: N/A Stop work order or cease and desist order: N/A Civil citation or injunction: N/A Administrative fine: N/A Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): N/A</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>264</u> no. of Industrial and <u>32</u> number of Commercial -Number of high priority facilities: <u>187</u> No. of Industrial and <u>29</u> No. of Commercial -Number of medium priority facilities: <u>37</u> no. of industrial and <u>2</u> no. of commercial -Number of low priority sites: <u>40</u> no. of industrial and <u>1</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>264</u> no. of industrial and <u>32</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>75</u> no. of industrial and <u>14</u> no. of commercial</p>	<p>0</p>	<p>0</p>	<p>20</p>
<p>RCFC & WCD</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>	<p>N/A</p>

Table 7-1 Industrial and Commercial Sources

<p>San Jacinto</p>	<p>Education and information: 0 Verbal warning: 0 Written warning: 2 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>	<p>-Total Number of Industrial and Commercial Facilities in your inventory to date: <u>6</u> Industrial and <u>120</u> number of Commercial -Number of high priority facilities: <u>0</u> No. of Industrial and <u>34</u> No. of Commercial -Number of medium priority facilities: <u>2</u> no. of industrial and <u>5</u> no. of commercial -Number of low priority sites: <u>0</u> no. of industrial and <u>2</u> no. of commercial -Total number of Industrial and Commercial facilities requiring inspections by Permittees: <u>0</u> no. of industrial and <u>40</u> no. of commercial -Number of industrial/commercial follow-ups needed: <u>0</u> no. of industrial and <u>2</u> no. of commercial</p>	<p>0</p>	<p>0</p>	<p>6</p>
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Table 7-1 Industrial and Commercial Sources

INDUSTRIAL AND COMMERCIAL SOURCES 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
Provision No. XI.A.1 of the Permit requires each Permittee to maintain and update a database inventory of all Industrial/Commercial Sites. Provision No. XI.A.2 and XI.C.2 of the Permit requires submittal of this database with each Annual Report.	
PERMITTEE	
Beaumont	Not Reported
Calimesa	Included at end of Report. All businesses are inspected annually for Fire Inspections and during that visit, staff notes if there are any potential violations for water quality. If potential violations are noted, appropriate staff is notified for additional inspections/follow-up.
Canyon Lake	See Attachment #3 for Industrial and Commercial Inspection Report
Corona	SEE ATTACHMENT 'C'
Eastvale	See Attachment (E) – FY 2017-2018 Industrial/Commercial Inspections
Hemet	SEE ATTACHMENT D
Jurupa Valley	See Permittee report.
Lake Elsinore	EXHIBIT 6.2 The basis for priority ranking of Industrial Facilities is based upon the following factors: <ol style="list-style-type: none"> 1) Proximity to water body (within 200 ft) 2) Exposure of business activities, equipment or materials to stormwater or wind 3) SIC / NAICS code. If listed in the industrial general permit as needing coverage, these facilities (unless they receive a NOE) are automatically listed as High 4) Prior inspection and/or history of discharge
Menifee	See Attachment D.
Moreno Valley	No changes were made during the reporting year to the Industrial Facility priority ranking. See Attachment E.
Norco	The City of Norco commercial and industrial data base is attached.
Perris	See Exhibit 7
Riverside	See Attached Documents
Riverside County	Please see Attachment D.1 for electronic database of industrial and commercial sites.
RCFC & WCD	N/A
San Jacinto	Attached.

Table 7-1 Industrial and Commercial Sources

INDUSTRIAL AND COMMERCIAL SOURCES 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
Provision No. XLA.11 of the Permit states that the Co-Permittees shall document, evaluate and annually report the effectiveness of its enforcement procedures in achieving prompt and timely compliance with inspection programs.	
PERMITTEE	
Beaumont	Not Reported
Calimesa	The City of Calimesa has not been required to take any enforcement action on Industrial or Commercial Facilities in the reporting year.
Canyon Lake	See Permittee Report
Corona	The City reviewed its Industrial-Commercial Activities Inspection Program to ensure for ongoing communication – effectively addressing enforcement of industrial-commercial activities. The enforcement procedures are: Education and Information; Verbal Warning; Notice of Violation or Noncompliance Letter; Cease and Desist Order; Civil Citation (Administrative Fine); and Referral to the Environmental Crimes Strike Force for criminal prosecution. Most facilities achieved compliance via Education and Information and/or Verbal Warning. The procedures are very effective, thus yielding prompt and timely compliance. All activities are highlighted in the LIP.
Eastvale	The City's current enforcement program seems to be very effective. The City has not had to move farther than written enforcement before obtaining compliance from any commercial or industrial site with a discovered deficiency. Most deficiencies are fixed within 24 hours to 2 business days. If a deficiency is found, City inspectors will conduct follow up inspections the following day(s) to ensure the issue(s) have been fixed.
Hemet	<p>The annual review of the City of Hemet Inspections Program as it relates to Industrial and Commercial facilities did not result in any revised procedures or schedules.</p> <p>The City conducted 309 Industrial and Commercial inspections during the reporting period. Non-compliance issues were observed at 69 facilities. Enforcement actions were not required. Inspectors worked with facility operators to immediately resolve non-compliance issues. Inspectors provided education and recommendations for site specific non-compliance issues. The City will also conduct follow-up inspections for these facilities during the next reporting period. Twenty-one facilities were inspected as industrial facilities. Sixteen of the facilities had coverage under the Industrial General Permit (IGP). Eight facilities were identified as potential industrial facilities. These facilities were referred to the State Water Board to verify if coverage is needed under the IGP. Educational pamphlets and brochures are given to all facility owners at the inspection.</p>
Jurupa Valley	N/A
Lake Elsinore	Based on timely, cooperative responses to requests to correct situations that could lead to violations, no modifications are needed at this time. The current process is deemed effective.
Menifee	The City employs consultant staff to perform its industrial and commercial facility inspections each year. The City evaluated its inspection activities in 2018-19 and found the current procedures to be effective in complying with the program requirements and achieving timely compliance.
Moreno Valley	The City evaluated its commercial and industrial inspection program and determined no enhancements to the program were necessary.
Norco	City inspector's verbal warnings are found to be effective in nearly all cases. Should there be an event that is not addressed with a

Table 7-1 Industrial and Commercial Sources

	verbal warning, escalation will follow the typical approach for any code enforcement type issue.
Perris	The inspections were reviewed. Overall most facilities are in compliance. We have noted that when the program is explained to facility management, they want to be pro-active in their site compliance.
Riverside	The City of Riverside annually reviews and evaluates its inspection program as part of the annual report preparation.
Riverside County	After review of the Industrial/Commercial Inspection Program and related language in the LIP, no changes were made to the Inspection Program.
RCFC & WCD	N/A
San Jacinto	None noted during annual review.

Table 7-1 Industrial and Commercial Sources

INDUSTRIAL AND COMMERCIAL SOURCES 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
Provision No. XI.A.13 of the Permit requires each Permittee to monitor and annually evaluate and report adequacy of program coverage and enforcement response in complying with the Order where required inspections and/or enforcement is carried out on behalf of the Permittee by other agencies or departments, such as the County Department of Environmental Health, county and local fire departments, hazardous materials programs, code enforcement, industrial pretreatment, and building and safety.	
PERMITTEE	
Beaumont	Not Reported
Calimesa	The City of Calimesa's Code Enforcement, Public Works Department as well as Citizens on Patrol are alert and proactive to constantly looking for and hazardous and/or environmental violations, which may impact the any State, County or City waterway. The Public Works Director takes immediate action with regards to any emergency and/or violations that may happen or exist and will, if necessary, contact the appropriate agency (County, State or Federal) to ensure that appropriate enforcement actions are taken.
Canyon Lake	For fiscal year 2018/2019, the City of Canyon Lake had no inspections performed by code enforcement.
Corona	City's NPDES staff takes the lead on enforcement issues related to our stormwater ordinance when referrals are made from other agencies such as County Department of Environmental Health, County Hazmat, and the Regional Board. NPDES staff also responds to referrals made from various City departments such as Fire, and Community Development regarding potential violations at industrial and commercial facilities. Once notification is received by NPDES staff, we typically follow up on all potential violations within two working days to ensure proper enforcement is taken per our ordinance and as described in the LIP. In instances when a potential violation is referred to us, but that facility is not in our jurisdiction, we ensure the proper agency is notified and send notification via e-mail to the appropriate Permittee contact.
Eastvale	The City of Eastvale works closely with the County department of Environmental Health, fire departments, code enforcement, and building and safety. Once an issue is found, the responsible parties will be notified for follow up. The City has reviewed the program coverage and it was determined to be adequate. Enforcement efforts have increased during the 2018/2019 Fiscal Year, and the City has received more compliance from local businesses during this time.
Hemet	The City of Hemet has an agreement with CASC Engineering and Consulting to provide permit-required stormwater program inspections for applicable commercial and industrial facilities in the City of Hemet. CASC began conducting inspections on behalf of the City of Hemet in September 2016. Follow-up inspections are performed by CASC or the City of Hemet's Management Assistant.
Jurupa Valley	N/A
Lake Elsinore	Inter-agency and inter-departmental cooperation are satisfactory. No issues to note. The City is responsible for inspections and enforcement within its jurisdiction. Lines of communication are open between agencies for the exchange of information on multi-jurisdictional issues or reporting.
Menifee	Initial follow-up and enforcement for industrial and commercial facilities is typically performed by the consultant staff performing the inspection. In certain instances, a case may be forwarded to a different group within the City for additional enforcement. Between these groups, all cases of industrial and commercial BMP deficiencies were successfully resolved, and the City finds its program coverage and enforcement response procedure to be effective.

Table 7-1 Industrial and Commercial Sources

Moreno Valley	The City has contracted with an environmental consulting firm to conduct the commercial and industrial inspections as per the Order's compliance schedule. A representative from this firm is available to follow-up until compliance is reached. Code Enforcement is notified if escalated enforcement is necessary.
Norco	Based on City staff review of the program for the reporting year there are no proposed modifications. The program is effective as currently configured.
Perris	This Permit Year, we had many residential sites which were adequately dealt with by the Code Enforcement team. This included written code violations to a resident who was discharging auto paint.
Riverside	In FY 2018-2019 the City's Environmental Compliance Section conducted 687 stormwater inspections at a variety of businesses. Each business includes a review of the facility, housekeeping or their BMP's, and a general review of stormwater principles. Depending on the outcome of the inspection, appropriate actions were taken to ensure the businesses complied with all City ordinances pertaining to stormwater. A detailed database is maintained and contains information about each facility. See attached documents for more information.
Riverside County	N/A – All inspections and enforcement actions are carried out by County of Riverside Departments, Districts, Agencies, etc.
RCFC & WCD	The District has one staff person dedicated to IC/ID inspections. The District does not perform industrial/commercial inspections of private facilities.
San Jacinto	Not applicable.

Table 7-1 Industrial and Commercial Sources

INDUSTRIAL AND COMMERCIAL SOURCES 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
Provision No. XI.D.6 of the Permit requires each Permittee to notify all mobile businesses based or operating within their jurisdiction concerning the minimum Source Control and Pollution Prevention BMPs that they must develop and implement.	
PERMITTEE	
Beaumont	Not Reported
Calimesa	The City of Calimesa has developed and implemented BMPs and minimum source controls for all new and existing mobile businesses that are operating within the City. All existing and new applicants receive BMP handouts at time of business license application or renewal.
Canyon Lake	Chapter 5 of the Canyon Lake Municipal Code requires that all businesses doing business within the City must obtain a business license with the City. The business license application requires businesses involving NPDES compliance to identify such on the application before any licenses are approved. Information on compliance with NPDES is sent to all businesses that have noted this on their application. Mobile Detailers are required to acknowledge specific guidelines of the City Municipal Code and are also required to sign a form that indicates they are aware of the NPDES rules and regulations.
Corona	<ol style="list-style-type: none"> 1) NPDES staff adds new businesses to our industrial/commercial facilities database on a quarterly basis. This list of businesses is obtained from City business license applications. As businesses are added, they are categorized into a HIGH, MEDIUM, or LOW priority based on their Standard Industrial Classification Code and those businesses identified as mobile businesses with their base of operations in City are flagged in the database. Mobile businesses are assigned a HIGH priority initially and therefore will be inspected within one year of being added to the database. NPDES inspection staff visits these facilities and provide the owners with educational materials developed by the City specifically for mobile operators regarding the minimum BMPs that are required to be implemented. Staff discusses expectations to use these BMPs when operating in Corona and anywhere in Riverside County. 2) NPDES staff responds to complaints of mobile business operators discharging or potentially discharging non-stormwater into the MS4. The operators are provided the mobile business educational materials and are informed of the minimum BMPs to operate within the City of Corona. If a business license has not been issued or if adequate BMPs cannot be implemented, the operators are told to immediately cease operations. 3) Within this permit term, NPDES staff proactively performed after-hour reconnaissance at commercial districts throughout the City to identify mobile operators in action and educate those that were found to be out of compliance. The same educational materials are provided, and operators are informed of the minimum BMPs to operate in the City. Staff identified businesses that regularly clean trash enclosures and parking lot areas as more likely to operate late in the evening or early in the morning, therefore not within normal agency operating hours.

Table 7-1 Industrial and Commercial Sources

Eastvale	The City of Eastvale provides public education information to mobile businesses during the business registration process. The city also actively sends out compliance notifications to existing mobile businesses as they are discovered to be working within the city.
Hemet	<p>The City of Hemet has identified mobile businesses based within, or operating within our jurisdiction by the following methods:</p> <ul style="list-style-type: none"> • Internet search • City of Hemet business license database • Discovery of businesses operating within jurisdiction <p>Identified mobile businesses are provided with a copy of the <i>City of Hemet Guidelines for Mobile Washing Businesses</i>. All educational materials are available at City Hall, the Public Works department, and online at the City of Hemet's stormwater program link.</p>
Jurupa Valley	City of Jurupa Valley relies on the effectiveness of the RCFCD Pub Ed Program and proactive education of mobile business owners both in the field and at the city hall counter.
Lake Elsinore	EXHIBIT 6.3
Menifee	All mobile businesses currently operating in the City of Menifee receive storm water educational materials on the required source control and pollution prevention BMPs during the business registration/renewal process. Educational materials are also available at City Hall.
Moreno Valley	During previous reporting periods, the City of Moreno Valley utilized known business license information in order to identify all mobile businesses that were based or operating within its jurisdiction, and whose business practices were found to be potentially harmful to water quality. These Mobile Washing/Cleaning businesses were notified by letter, which included both education materials in both English and Spanish, explaining the minimum Source Control and Pollution Prevention BMPs that were appropriate for their type of operations. Businesses were also notified of the City's requirement to routinely inspect their operations in order to verify compliance with local and regional water quality requirements as well as determine if appropriate BMPs were being implemented. This information is provided to all new mobile business owners that apply to operate in the City. City staff will respond to reports of potential unlicensed mobile businesses and ensure they are informed of the requirements and that they obtain a business license from the City before commencing operations in the City.
Norco	Educational materials are available at City Hall. When a mobile business requests a business license, and staff determine there is a potential risk those education materials are available for review.
Perris	Mobiles businesses, if found without a business license, are shut down until in compliance. Registered businesses are reminded on an annual basis concerning the minimum BMPs. The NPDES staff is also providing the Code Enforcement staff public education materials.
Riverside	The City administers a mobile business program whereby new mobile washers come to the Riverside Regional Water Quality Control Plant (RWQCP) to demonstrate their process and recovery methods. As mobile washers are discovered, Environmental Compliance staff educates them on minimum Source Control and Pollution Prevention BMPs. Past efforts to notify all mobile washers is detailed in previous annual reports.
Riverside County	The Transportation Department staff and Code Enforcement Department staff handout NPDES literature specific for mobile business owners and operators at County counters in the field.
RCFC & WCD	N/A

Table 7-1 Industrial and Commercial Sources

San Jacinto	City routinely reviews business license list on monthly basis and makes effort to communicate with those businesses that may be home based or mobile. Educational materials are provided as appropriate.
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PROGRAM IMPLEMENTATION

8. RESIDENTIAL

Per Permit Provision XI.E, the Co-Permittees have developed and implemented their residential program consistent with the requirements of the 2010 SAR MS4 Permit to help reduce the discharge of pollutants from residential activities to the MS4, consistent with the Maximum Extent Practicable (MEP) standard. The tables below include documentation of the evaluation of their individual residential program.

The Permittees participate in regional activities to facilitate the proper disposal of used oil, toxic, and hazardous materials. When Permittees are conducting an inspection in response to a complaint and observe that a residence is non-compliant with the Permittee's Stormwater Ordinance, then they will begin enforcement procedures as appropriate.

Table 8-1 Residential

RESIDENTIAL 2018-2019 ANNUAL PROGRESS REPORT Santa Ana Region NPDES Municipal Stormwater Permit					
	1. Number of HHW/ABOP events hosted by Permittee: 2. Gallons of used oil collected at collection events:	3. Total pounds collected at HHW/ABOP events:	4. Total number of participants at HHW/ABOP events:	5. Total Number of enforcements taken this FY (across all levels of enforcement):	5. Number of enforcement actions that reached each level of enforcement:
Beaumont	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
Calimesa	0/0	0	N/A	0	Education and information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Canyon Lake	0/0	0	0	See Permittee Report	Education and information: 12 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 12 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 1 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0

Table 8-1 Residential

<p>Corona</p>	<p>2/ 9,307</p>	<p>201,500</p>	<p>1,849</p>	<p>25</p>	<p>Education and information: 42 Verbal warning: 24 Written warning: 0 Notice of violation or noncompliance: 1 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>
<p>Eastvale</p>	<p>802/ 148,739 *The City currently does not have its own HHW/ABOP collection events but does a joint event with the county. The City is working on finding its own location to start such collection events. The City does however promote existing HHW/ABOP collection events nearby on the City website so our residents are aware and can participate in those events for now.</p>	<p>2,429,638 *The City currently does not have its own HHW/ABOP collection events but does a joint event with the county. The City is working on finding its own location to start such collection events. The City does however promote existing HHW/ABOP collection events nearby on the City website so our residents are aware and can participate in those events for now.</p>	<p>23,219 *The City currently does not have its own HHW/ABOP collection events but does a joint event with the county. The City is working on finding its own location to start such collection events. The City does however promote existing HHW/ABOP collection events nearby on the City website so our residents are aware and can participate in those events for now.</p>	<p>5</p>	<p>Education and information: 5 Verbal warning: 5 Written warning: 2 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>

Table 8-1 Residential

<p>Hemet</p>	<p>0/0</p>	<p>0</p>	<p>0</p>	<p>9</p>	<p>Education and information: 0 Verbal warning: 4 Written warning: 5 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>
<p>Jurupa Valley</p>	<p>0/0</p>	<p>0</p>	<p>0</p>	<p>74</p>	<p>Education and information: 64 Verbal warning: 8 Written warning: 2 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>
<p>Lake Elsinore</p>	<p>0/0 The city provides a permanent HHW/ABOP facility that is manned by Riverside County staff; it is typically open once a month for 11 months of the year.</p>	<p>0</p>	<p>0</p>	<p>17</p>	<p>Education and information: 10 Verbal warning: 2 Written warning: 3 Notice of violation or noncompliance: 2 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>

Table 8-1 Residential

<p>Menifee</p>	<p>N/A (County of Riverside performs this function)/ N/A (See question #1)</p>	<p>N/A (See question #1)</p>	<p>N/A (See question #1)</p>	<p>6</p>	<p>Education and information: 2 Verbal warning: 4 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>
<p>Moreno Valley</p>	<p>2/ 34</p>	<p>N/A</p>	<p>87</p>	<p>25</p>	<p>Education and information: 7 Verbal warning: 1 Written warning: 9 Notice of violation or noncompliance: 4 Administrative compliance order: 4 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>
<p>Norco</p>	<p>0/ N/A</p>	<p>N/A</p>	<p>N/A</p>	<p>0</p>	<p>Education and information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>

Table 8-1 Residential

Perris	0/0	0	0	27	Education and information: 3 Verbal warning: 11 Written warning: 5 Notice of violation or noncompliance: 7 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Riverside	7/ 6,394	Bulky waste: 528.26 tons E-waste: 26.95 Tons Tires: 14.39 tons Other: Inert – 16.7 tons; Metal – 69.16 tons; Shred-it – 4 tons; green waste – 4.20 tons	3,912	17	Education and information: 17 Verbal warning: 6 Written warning: 9 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 2 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
Riverside County	685/ 11,423	N/A	N/A	N/A	Education and information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0
RCFC & WCD	N/A	N/A	N/A	N/A	N/A

Table 8-1 Residential

<p>San Jacinto</p>	<p>0/0</p>	<p>0</p>	<p>0</p>	<p>0</p>	<p>Education and information: 0 Verbal warning: 0 Written warning: 0 Notice of violation or noncompliance: 0 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0</p>
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Table 8-1 Residential

RESIDENTIAL 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
PERMITTEE	Provision No. XI.A.11 of the Permit states that the Co-Permittees shall document, evaluate and annually report the effectiveness of its enforcement procedures in achieving prompt and timely compliance with inspection programs.
Beaumont	Not Reported
Calimesa	The City of Calimesa has not been required to take any enforcement action on Residential Inspections in the reporting year.
Canyon Lake	See Permittee Report
Corona	The City reviewed its Residential Sources Program to ensure for ongoing communication – effectively addressing enforcement of residential activities. Enforcement for residential sources are addressed through the IC/ID programs (including pool discharges) that involve the following procedures: Initial Response, Investigation, Elimination, Clean-up, and Report. These procedures are effective, thus yielding prompt and timely compliance. All activities are highlighted in the LIP.
Eastvale	The City's current enforcement program seems to be very effective. The City has not had to move farther than written enforcement before obtaining compliance from any residential with a discovered deficiency. Most deficiencies are fixed within 24 hours to 2 business days. If a deficiency is found, City inspectors will conduct follow up inspections the following day(s) to ensure the issue(s) have been fixed.
Hemet	The annual review of the City of Hemet Inspections Program as it relates to Residential activities did not result in any revised procedures or schedules. All levels of enforcement include education and information.
Jurupa Valley	Program is adequate in its effectiveness and there were no major updates to program during reporting period.
Lake Elsinore	The City's inspection procedures for Residential activities meet its needs as is evident from the 100% resolved status of IC/ID reports received. The City promptly (within 24 hrs.) responds to reports of discharges, investigates the report and beginning with education, escalates enforcement as needed. The City does acknowledge that for FY 18/19, approximately 1/3 of reports received from residential sources are found to be unsubstantiated. No changes proposed at this time.
Menifee	The City evaluated its residential activities in 2018-19 and found the current procedures to be effective in complying with the program requirements and achieving timely compliance.
Moreno Valley	The City evaluated its residential activities inspection program and determined some enhancements were necessary to our internal response protocols to ICIDs occurring on residential property. This program has been incorporated into our standard operating procedure effort and have been refined to ensure all staff have the tools they need when addressing any issues that may arise from this component of the program.

Table 8-1 Residential

Norco	<p>The City regularly promotes County programs and events related to storm water quality preservation. Focused educational materials are made available at City Hall for residents. Inspection staff respond to complaints and are watchful of issues that can be proactively addressed when in the field. Residential projects are monitored closely to ensure discharges of construction materials are prevented. Additionally, the City of Norco has several sections in the City Code that address the discharge of pollutants.</p> <ul style="list-style-type: none"> 6.22 Public Nuisance Abatement 6.42 Municipal Refuse Collection Service 6.45 Manure management and Disposal 6.48 Public Dump Sites 6.60 Control of Flies 6.76 Hog Ranches 6.84 Commercial Poultry 9.40 Refuse Abatement
Perris	The City is very proactive concerning illegal dumping and discharges. The Code Enforcement team has well documented residential compliance activities. In particular, their goal of "within 24 hours" is key to proactive compliance.
Riverside	The City of Riverside annually reviews and evaluates its residential program as part of the annual report preparation.
Riverside County	After review of the Residential Program and related language in the LIP, no changes were made to the Program.
RCFC & WCD	N/A
San Jacinto	None noted during annual review.

Table 8-1 Residential

RESIDENTIAL 2018-2019 ANNUAL PROGRESS REPORT Santa Ana Region NPDES Municipal Stormwater Permit	
PERMITTEE	Provision No. XI.E.1 of the Permit requires each Permittee to develop and implement a Residential program to reduce the discharge of pollutants from residential activities to the MS4, consistent with the MEP standard, by July 29, 2011.
Beaumont	Not Reported
Calimesa	The City works closely with CR&R (City's Franchise Solid Waste Hauler) who provides roll-off containers to the Public Works Department to provide for the ability to recycle the illegally dumped materials within the public right of way.
Canyon Lake	The City of Canyon Lake's Residential Program is proactive in both its educational and monitoring efforts. City Staff are trained code and special enforcement officers who educate residents on the proper ways to wash vehicles with runoff flowing into vegetation, application of lawn fertilizers and outdoor cleaning of tools and painting supplies. The City also performs proactive visual inspections and contacts EVMWD for water quality testing at discharge sites whenever necessary. Attachment #4.
Corona	<p>In addition to the County's public outreach program, City of Corona's Residential program consists of providing education materials on the BMPs for the activities that are most likely to occur by residents of our City.</p> <ul style="list-style-type: none"> A. The County has developed BMP brochures targeting specific residential activities. The City distributes these brochures at various City events, at City Hall, and as needed when following up on complaints at residences. B. The City's NPDES website provides BMP information for various residential activities and links for further resources, including a link to the County's website where various BMP brochures can be downloaded. C. Within this permit term, the City distributed BMP information on swimming pool discharge procedures and Residential Tips on Gardening and Disposing Pet Waste to water utility customers as bill inserts in the water bill. D. Within this permit term, the City utilized the City's Corona Connection magazine to publish articles with an NPDES message. This magazine is distributed to Corona residences. E. Twice per year, the City distributes information on the dates and location of the two household hazardous waste events the City sponsors that are held in the parking lot at City Hall. <p>The City's NPDES message is also reiterated through DWP's "Making Water Conservation a California Way of Life" campaign whereby residents are educated to reduce water, eliminating over-irrigation and any excess runoff leaving their property.</p>
Eastvale	The City of Eastvale employees and inspectors are trained properly to educate and catch any violations in the City's Residential Program. The City also has in store and online public educations materials about pollution prevention, clean up, etc. that is readily available for residents.

Table 8-1 Residential

<p>Hemet</p>	<p>The City of Hemet distributes "Only Rain Down the Storm Drain" Public Education Program Fact Sheets/Brochures/BMPs and other appropriate information to the residents at local events and from City offices in an effort to educate citizens about reducing the discharge of pollutants from activities in residential areas. The City of Hemet has also purchased a banner to be placed across State Route -74 in our downtown area. This banner encourages stormwater pollution awareness.</p> <p>The City of Hemet promotes regional activities to facilitate the proper collection and management of used oil, toxic and hazardous materials, and other household wastes. This includes distribution of information regarding the dates and locations of temporary and permanent HHW and ABOP collection events and facilities and curbside or special collection sites managed by the City's solid waste hauler CC&R and/or Riverside County.</p> <p>In addition, if during an inspection in response to a complaint, a City of Hemet Code Enforcement inspector observes that a residence is noncompliant with the City's Stormwater Ordinance, enforcement procedures are undertaken, as appropriate, which normally includes the distribution of educational materials on reducing the discharge of pollutants.</p>
<p>Jurupa Valley</p>	<p>N/A</p>
<p>Lake Elsinore</p>	<p>EXHIBIT 7.1</p>
<p>Menifee</p>	<p>The City provides handouts that describe common residential BMPs, including proper pet waste disposal, lawn care, and swimming pool discharges at City Hall. Residents are encouraged to visit the Riverside County Watershed Protection website (http://www.rcwatershed.org/) to learn more about storm water pollution. Residents may also receive educational materials from the District or Watershed Protection Program during outreach activities, which are promoted by the City. For the City's Residential Inspection program, neighborhoods are inspected for correct BMP implementation and receive educational materials or are referred to the IC/ID program, as necessary. The City's IC/ID program also investigates potential IC/IDs reported in residential areas and performs corresponding education and enforcement.</p>
<p>Moreno Valley</p>	<p>The City implements the Residential Program as documented in the LIP per Section 13.8. The District supplements activities for this program and is outline in the combined annual report.</p>
<p>Norco</p>	<p>The City has partnered with the contracted trash collection purveyor to collect animal waste (manure) in an effort to reduce or eliminate a potential source of pollutants into the City's MS4.</p>
<p>Perris</p>	<p>The City enforces the ordinances which address illegal dumping, discharges, storage, parking, home based businesses, gray water discharges and general maintenance. For example, a resident was found to be doing vehicle repair as a home business and this was stopped. Also, a residence with sewer discharges was followed up over many months until it was completely repaired. Code enforcement was able to immediately stop the discharges and pressed further for the resident to clean up their yard and remove all potential pollutants. Examples of the enforcement can be provided on request.</p>

Table 8-1 Residential

<p>Riverside</p>	<p><u>The City of Riverside has a multifaceted Residential program designed to educate and help residents maintain water quality. Several programs contribute to the program's effectiveness including waste disposal events, pet waste control efforts, and public education.</u></p> <p><u>During FY 2018-19, the City continued implementation of the Adopt-a-Drain Program. Through this program, residents can help keep one of about 4,800 storm drains free of leaves, palm fronds, trash, and other debris. Utility bill inserts were mailed to residents in February 2019 to advertise the program. In addition to the inserts, an adopt-a-drain video was produced and placed on several media outlets such as Instagram and Facebook. Information regarding the program and storm drains that have been adopted can be found at www.adoptadrainriverside.com.</u></p> <p><u>The City is also proactive in controlling litter and trash through a variety of programs. The City hosts monthly 'Free Drop-off Days' allowing residents to drop off residential trash, yard waste, tires, etc. Apart from these monthly opportunities, the City also hosts periodic 'Clean Up Riverside's Environment' (CURE) events where residents are encouraged to bring bulky items and all manner of debris and waste to designated areas for proper disposal. These events provide residents with opportunities to dispose of trash, litter, and other debris in a manner that minimizes the impact on the environment.</u></p> <p><u>The City also continues to manage a street sweeping program that resulted in the collection of over 3,844.41 tons of material in FY 2018-19.</u></p> <p><u>The City is also actively seeking ways to educate residents and visitors about animal waste and bacteria control. While the City does not have significant areas with horses and other large animals as do some surrounding communities, it does have people walking and playing with dogs and other pets. The City continues to operate and maintain several pet waste bag dispensers in popular walking areas most notably along Victoria Avenue. The dispensers act as a reminder of the importance of controlling animal waste and provide the public with a means to do their part.</u></p>
<p>Riverside County</p>	<p>The County implements the Residential Program as detailed in the LIP, included as Attachment E.</p>
<p>RCFC & WCD</p>	<p>N/A</p>
<p>San Jacinto</p>	<p>City conducts routine sweeping of residential areas on a twice per month basis. City operates a street sweeping parking enforcement program which requires no parking on street sweeping days in order to improve the efficiency of the sweeping operations. Sweeper operators are requested to notify the City staff in the event that they discover the discharge of pollutants from residential activities. In addition, Code Enforcement, Streets and Storm Water staff routinely patrol residential areas during the course of workday, in order to assess any discharges. Finally, on-call staff with the Public Works Department will respond to after-hours reports of illegal discharges, abandoned bottles or drums and other items which may be left in the public right of way.</p>

Table 8-1 Residential

RESIDENTIAL 2018-2019 ANNUAL PROGRESS REPORT Santa Ana Region NPDES Municipal Stormwater Permit	
PERMITTEE	Provision No. XI.E.6 of the Permit requires each Permittee to evaluate its Residential program.
Beaumont	Not Reported
Calimesa	The City of Calimesa Municipal Code Chapter 15.60 C & D Ordinance, also known as "Recycling and Diversion of Construction and Demolition Waste" is implemented with all residential construction permits. Residents pay a deposit at the time the demolition/building permit is issued. When project is complete, resident brings in receipt of waste collection and the City refunds the eligible portion to the resident. Staff feels this program is very successful.
Canyon Lake	The City of Canyon Lake's Residential Program is proactive in both its educational and monitoring efforts. City Staff and Trained Code and Special Enforcements Officers educate residents on the proper ways to wash vehicles with runoff flowing into vegetation, application of lawn fertilizers and outdoor cleaning of tools and painting supplies. The City also performs proactive visual inspections and contacts EVMWD for water quality testing at discharge sites.
Corona	<p>During fiscal year 18-19, the NPDES Section responded to 151 calls regarding drainage of swimming pools and spas (see attachment A3). Outreach effort on proper drainage procedures is ongoing as the service is advertised on the City website; through a Newsletter Article included as a utility billing insert that was distributed to all Corona residents; through educational materials distributed at City events; and through service request calls received by DWP's Customer Care Group. Prior to draining a pool, a resident must contact an inspector to sample the pool for residual chlorine and pH level. Based on the sample results, visual inspection of the pool, and conditions downstream of the property, the inspector will recommend the resident drains either into the sanitary sewer or into the curb and gutter system leading to the municipal storm drain.</p> <p>Complaints from residents regarding other General Incident activities may be attributed to the residential outreach program. Once residents are aware of what is prohibited by the NPDES program, they are more likely to call and report neighbors whom they observe may be in violation.</p> <p>Another evaluation tool of the Residential program is tracking participation in events such as the HHW, and other events focused on environmental sustainability. An increasing number of participants would signal the effectiveness of the outreach. The City started tracking the number of participants at the HHW events held in City of Corona to see if there is a positive trend which we will continue to evaluate.</p>
Eastvale	The program has since then been evaluated and no change to the Residential Program was deemed necessary. For future reporting a written evaluation documentation will be submitted with the Annual Report.
Hemet	<p>A review of the current Residential Program indicates that the main objective of the program, to provide educational information to City residents to reduce the discharge of pollutants from residential activities, is being achieved. The City does this by offering brochures and promotional items at city events and at various city offices. The City also provides educational information on the stormwater program page [http://www.cityofhemet.org/index.aspx?nid=898] and the trash and recycling page [http://www.cityofhemet.org/index.aspx?nid=93] of our website.</p> <p>The City of Hemet has a contract with CR&R for trash, recycling, and green waste services for residences within the city limits. The CR&R website offers information about the nearest Riverside County Collection Center, as well as information and rates on a new Residential HHW Curbside Collection Program. [http://crrwasteservices.com/cities/california/county-of-riverside/city-of-hemet/]</p>

Table 8-1 Residential

RESIDENTIAL 2018-2019 ANNUAL PROGRESS REPORT Santa Ana Region NPDES Municipal Stormwater Permit	
PERMITTEE	Provision No. XI.E.6 of the Permit requires each Permittee to evaluate its Residential program.
	The City of Hemet has a contract with CR&R for trash, recycling, and green waste services for residences within the city limits. The CR&R website offers information about the nearest Riverside County Collection Center, as well as information and rates on a new Residential HHW Curbside Collection Program. [http://www.crrwasteservices.com/cities/Hemet/residents/]

TABLE 8-1 RESIDENTIAL

Jurupa Valley	N/A
Lake Elsinore	<p>The City's residential program consists of a variety of activities geared to raise awareness of stormwater pollution and prevent pollutants from entering the MS4. Activities and programs include:</p> <ol style="list-style-type: none"> 1) Participation in the Public Education Subcommittee (PEST) of the MS4 Technical Advisory Committee 2) Educational Materials and Presentation by SGA on behalf of the City through the MS4 TAC to <u>638</u> students at Elsinore Valley Unified School District schools. 3) Speaking to City Hall youth tour groups, Community Center Day Camp, Boy Scouts, etc. at City Hall about stormwater pollution prevention. 4) Participation in City sponsored events through the handout of educational materials. 5) Promotion and sponsorship of: <ol style="list-style-type: none"> a. 11 HHW Events at the City hosted HHW ABOP Facility; b. Clean LE event on 4/27/2019 for removal of trash at Riverwalk along the Temescal Creek (aka Outlet Channel); c. Application and award of Grant Program for Tire Recycling d. Availability through City franchised trash service with CR&R of 2 free bulky item curbside pickups per year e. Two Citywide clean up events per year. 6) ALERT LE Program for residents to report issues/IC/ID, etc. throughout the City via the internet. 7) Posting of No Dumping and No Littering signs throughout the City. 8) Publication of Stormwater Pollution BMP information on the City's Website at www.lake-elsinore.org 9) Posting of door hangers in residential areas where discharges have been reported. 10) Contract with Northwest Mosquito and Vector Control District for Vector concerns. Publication of service mailed to area. 11) Ongoing postings of Clean LE, Clean Extreme, Lake advisories, etc. on Twitter, Facebook and via email. 12) Mailing of over 2000 Notices to vacant property owners advising of the requirement to remove excess vegetation and trash from their property. <p>EXHIBIT 7.2</p>
Menifee	<p>Inspections, investigations, and enforcement of residential storm water ordinance violations are addressed and evaluated through the City's Residential Inspection and IC/ID programs. Possible storm water violations identified during inspections, by the public, or by other City staff are subsequently reported to the IC/ID program. Violations reported to the IC/ID program are tracked in the City's IC/ID log. The City</p>

TABLE 8-1 RESIDENTIAL

	evaluated its program in 2018-19 and found it to be effective. Additionally, the City is participating in efforts with the SAR TAC to evaluate and improve the public education and outreach efforts (which include residential education) led by RCFCWCD.
Moreno Valley	The City evaluated its residential activities inspection program and determined some enhancements were necessary to our internal response protocols to ICIDs occurring on residential property. This program has been incorporated into our standard operating procedure effort and have been refined to ensure all staff have the tools they need when addressing any issues that may arise from this component of the program.
Norco	City staff is continually evaluating the City's Residential program to ensure resources are directed to areas of need based on the specific demands of the City. Staff evaluates the source of reported or identified concerns raised throughout the City and continually looks to eliminate practices or situations in violation with the minimum water quality requirements.
Perris	In this Permit year the City made strides with residential code enforcement. Also, at the Planning Department front counter, Code Enforcement and at the new Animal Control Building, the Riverside County Stormwater Program public education materials were repeatedly provided. We see a continued increase in awareness. Please see Exhibit 8
Riverside	The City is continually searching for ways to educate residents and the public. As mentioned, the City continues to operate and maintain pet waste bag dispensers in key areas throughout the City. The City's solar trash compactors remind residents of the importance of controlling trash and litter. The City continues to host Clean-Up Riverside's Environment (CURE) events to provide residents with a clean and safe way to dispose of waste. Through continued education and proactive residential education and initiatives, the City expects continued success in its Residential Program.
Riverside County	As part of an ongoing evaluation to ensure the County's LIP is current (see Attachment E), the County's evaluation occurs throughout the year as the particular program is implemented. If deficiencies or changes are deemed necessary in order to strengthen the Residential program, then the LIP will be updated accordingly.
RCFC & WCD	N/A – The District has no land-use authority and thus, does not have a residential program.
San Jacinto	City believes residential program is adequate.

PROGRAM IMPLEMENTATION

9. PERMITTEE FACILITIES AND ACTIVITIES

Provision XI.C.2 of the 2010 SAR MS4 Permit requires the Permittees to review and report MS4 maintenance procedures.

The status of the Permittees' maintenance programs is also shown in **Table 9-1**.

Provision XIV.C.1 of the 2010 SAR MS4 Permit requires that each Permittee applicator and contractor maintain appropriate training, permits and certifications. Fertilizers are applied by certain Permittees on a limited basis. In these cases, Permittee staff either applies the fertilizer or supervise contract staff performing the application. If an application of pesticides results in a discharge to a Waters of the United States, then a separate NPDES permit will be required.

Permittee staff who are licensed to apply pesticides are required by the California Department of Pesticide Regulation (DPR) to meet continuing education standards. Licensing standards and procedures are established by the DPR and described in the California Code of Regulations, Title 3 (Food and Agriculture) and on the DPR website at <http://www.cdpr.ca.gov/docs/license/liccert.htm>.

In addition, each Permittee may be subject to the additional conditions from the Riverside County Agricultural Commissioner for the application of Restricted Use pesticides.

Implementation of BMPs to manage the application, storage and disposal of pesticides, herbicides, and fertilizers associated with Permittee facilities and activities are described in each Permittee Facility Pollution Prevention Plan.

Table 9-1 Permittee Facilities and Activities

<p align="center">PERMITTEE FACILITIES AND ACTIVITIES 2018-2019 ANNUAL PROGRESS REPORT Santa Ana Region NPDES Municipal Stormwater</p>						
PERMITTEE	1. Total number of Permittee fixed facilities in inventory:	2. Total number of Permittee fixed facilities inspected:	3. Provide the total number of facilities requiring a Municipal Facility Pollution Prevention Plan (FPPP):	4. Provide the total number of facilities requiring a FPPP that were inspected for FY 2018-19:	5. Number of Permittee facilities with appropriate BMPs identified:	6. Number of annual facility inspections that require follow-up actions:
Beaumont	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
Calimesa	5	5	5	5	5	0
Canyon Lake	See Permittee Report	See Permittee Report	See Permittee Report	See Permittee Report	0	0
Corona	19	19	19	19	19	9 (most follow-up actions are related to debris removal and outdoor cleaning/sweeping from drainage areas - usually addressed by staff within 1-2 days).
Eastvale	2	2	1	1	0	1
Hemet	5	2	1	1	2	0
Jurupa Valley	0	0	0	0	0	0
Lake Elsinore	35	35	25	25	24	6
Menifee	12	12	12	12	10	2
Moreno Valley	19	19	19	19	17	2
Norco	28	28	0	0	28	0
Perris	2	2	2	2	2	0
Riverside	28	27	28	27	26	1
Riverside County	6	6	6	6	6	0
RCFC & WCD	1	1	1	1	1	1
San Jacinto	8	1	0	0	8	0

Table 9-1 Permittee Facilities and Activities

<p align="center">PERMITTEE FACILITIES AND ACTIVITIES 2018-2019 ANNUAL PROGRESS REPORT Santa Ana Region NPDES Municipal Stormwater Permit</p>					
PERMITTEE	7. Number of follow-up actions identified in the previous year's Permittee facility inspections that were addressed:	8. If information is available, please indicate the number of storm drain inlets that have "Only Rain Down the Drain" stencils:	9. Estimated tons of waste removed by Permittee street sweeping: (in tons)	10. Estimated tons of waste removed by Permittee open channels: (tons)	11. Estimated tons of waste removed from Permittee storm drain inlets: (tons)
Beaumont	Not Reported	Not Reported	Not Reported	Not Reported	Not Reported
Calimesa	N/A	Unknown	10	2	1
Canyon Lake	0	See Permittee Report	51	0	3
Corona	9	3,772 (since 2004)	2,305	324.5	Staff responded to maintenance activities via work orders and service requests this reporting period; however, the data was not verified for drain inlets. For perspective, prior reporting years data of tonnage removed from drain inlets yielded 35 for FY 17/18, 2.4 for FY 16/17, and 4.7 for FY 15/16. We are working to effectively collect specific data via a computerized database and software (NexGen) and will have this information available for next year's report.

Table 9-1 Permittee Facilities and Activities

Eastvale	0	N/A, the city has begun to quantify the number of storm drains. Should be available on next Annual Report	580.33	0	120
Hemet	0	104	752.53	530.55 tons (includes all debris removed from open channels, drain inlets, retention basins, and right-of-way clean-ups)	Not Tracked
Jurupa Valley	0	900	12	14	22
Lake Elsinore	3	0	824.84	580.69 CY	61.646 CY (EXHIBIT 8.1, 8.2)
Menifee	1	0 (the City does not maintain this data)	493	125	0
Moreno Valley	2	0	582	52	6.73
Norco	N/A	31	16	0	16
Perris	0	It is noted that all new developments are required to include the stencil at their sites.	999.95	1.138	13.99
Riverside	0	Not Available	3,844.41	295	31
Riverside County	None identified	1762	599.12	50	11.5
RCFC & WCD	1	Not Available	N/A	11,761	N/A
San Jacinto	0	45	345.24	8	428.65

Table 9-1 Permittee Facilities and Activities

PERMITTEE FACILITIES AND ACTIVITIES 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
Provision No. III.B.2.g of the Permit requires each Permittee to update their MS4 facility maps annually.	
PERMITTEE	
Beaumont	Not Reported
Calimesa	Currently the City does not have the ability of mapping the MS4 Facilities in CAD or GIS. Construction drawings are recorded for use in future mapping endeavors.
Canyon Lake	There has been no change to require an update.
Corona	This task is coordinated with the City's Information Technology Department and the District's GIS Coordinator. During this reporting period, the City's GIS Analyst communicated with the District's GIS Analyst, and forwarded Corona's Storm Water Facility GeoDatabase.
Eastvale	See Attachment (F) – MS4 Facility Map
Hemet	SEE ATTACHMENT F
Jurupa Valley	See attached.
Lake Elsinore	Attached is the GIS Atlas showing mapping to date and a Zip File containing the City's geodatabase. EXHIBIT 8.3, 8.4
Menifee	The updated MS4 GIS files have been emailed to dabarst@RIVCO.ORG.
Moreno Valley	See Attachment F
Norco	See attached for Facility Map. MS4 facilities are mapped on As-built records that is organized via use of an as-built index map. A single City wide MS4 facility only map does not exist, however the City is considering options for development of one in the future.
Perris	Please see Exhibit 9 – has been emailed to the District
Riverside	See attached documents
Riverside County	Transportation department GIS data is provided to Flood Control department. The Flood Control District submits an up-to-date MS4 Map to the Regional Board on behalf of all Co-Permittees.
RCFC & WCD	The updated facilities maps are provided in Appendix F of the Annual Report.
San Jacinto	City and consultant are currently working to update the MS4 Facility map. The current maps are hard copy and are being digitized.

Table 9-1 Permittee Facilities and Activities

PERMITTEE FACILITIES AND ACTIVITIES 2018-2019 ANNUAL PROGRESS REPORT Santa Ana Region NPDES Municipal Stormwater Permit	
Provision No. XIV.A of the Permit requires each Permittee to annually review their activities and facilities to determine the need for revisions to Section 5 of the DAMP and their LIP.	
PERMITTEE	
Beaumont	Not Reported
Calimesa	The city has made programmatic language revision to the LIP. The City continues to annually review our activities and facilities to ensure compliance with the DAMP and LIP.
Canyon Lake	The City of Canyon Lake updated its DAMP in during FY2015-16, no changes to reflect.
Corona	The City developed the LIP which was noted in the 2013-14 report and was certified by the Public Works Director under direction from the City Manager by May 24, 2013. For last year's reporting, the City updated its LIP for Citywide departmental and personnel changes. Additionally, RCFCWCD provided a revision of the Watershed Action Plan and the LIP was revised accordingly. The update this reporting period was the programmatic language submitted by RCFCWCD for various sections and the LIP was revised accordingly.
Eastvale	The City's Facilities and Activities inspection seem to be effective. The City of Eastvale employees and inspectors are trained properly to educate and catch any violations in the City owned and operated facilities and projects.
Hemet	A review of municipal activities and facilities will show only minor revisions in Section 5.6.9 (Trash BMPs) and 5.7 (Fire BMPs) of the City of Hemet Local Implementation Plan.
Jurupa Valley	No revisions necessary during this reporting period.
Lake Elsinore	Attached is a redline of the LIP; the noted changes have been implemented. EXHIBIT 3.1
Menifee	The City reviewed its program and determined that no revisions to Section 5 of the LIP were required in 2018-19.
Moreno Valley	Staff reviewed the City's activities and facilities and determined no revision to the LIP was necessary.
Norco	The City's procedures and policies that are currently in place have been effective in preventing issues from activities performed at the City's facilities. At this time there are no proposed revisions.
Perris	No updates are required at this time.
Riverside	The City continually evaluates its Facilities and Activities and seeks ways improve its programs. The LIP is currently in the process of being updated.
Riverside County	Transportation Department Facilities are inspected annually prior to the rainy season and all sites were found in compliance (with or without corrections) as per the MS4 Permit, the Riverside County DAMP and the County's LIP. Annual inspections and maintenance are also conducted to all MS4 facilities. Please see Attachment A and Attachment B for details.
RCFC & WCD	A review of the LIP was completed. Staff assignments and associated divisions/sections responsible for programs were made current and old information was removed. Minor updates were made in general and key milestones were described such as the LE/CL TMDL is undergoing the revision process and the project status for the Phoenix Storm Drain diversion to sewer partnership project.
San Jacinto	City has reviewed the LIP and determined that a major revision of the LIP will be necessary in FY18-19 due to staff changes, process changes and other activities. This revision has continued into FY19-20 due to work demands.

Table 9-1 Permittee Facilities and Activities

**PERMITTEE FACILITIES AND ACTIVITIES
2018-2019 ANNUAL PROGRESS REPORT
Santa Ana Region NPDES Municipal Stormwater Permit**

Provision No. XIV.C of the Permit requires each Permittee to annually conduct inspections of its fixed facilities and field operations identified in Chapter 5 of the DAMP to ensure that they do not contribute pollutants to receiving waters.

PERMITTEE	
Beaumont	Not Reported
Calimesa	The City does not have any pollutants going to any receiving waters. City Public Works staff, at a minimum, inspect every city-maintained catch basin on an annual basis. The City continues to ensure that it is in compliance with Chapter 5 of the DAMP.
Canyon Lake	Canyon Lake City Code Enforcement and Special Enforcement Officers and Canyon Lake POA Community Patrol perform visual inspections, monitor discharge sites and contact EVMWD to perform periodic water quality tasting.
Corona	Annual facility inspections conducted this reporting year found most facilities to be complying. Most of the follow-up actions were related to debris removal from drainage areas and outdoor cleaning/sweeping which is usually addressed by staff within 1-2 days.
Eastvale	The City of Eastvale completed inspections of Fire Station #27 and Fire Station # 31. Upon completion of the inspections the current program was found to be adequate and had no need for updates.
Hemet	This City of Hemet routinely inspects all fixed facilities. A minor deficiency has been noted at one location and additional BMPs have been implemented.
Jurupa Valley	N/A
Lake Elsinore	Of the 35 fixed facilities, only 6 had deficiencies noted. The primary issue appears to be vegetation in the onsite drainage facilities.
Menifee	The City of Menifee has 12 fixed facilities on its 2018-19 municipal inventory. All 12 facilities were inspected in 2018-19 for compliance with storm water requirements. BMP deficiencies were found at two of the facilities during initial inspection. Appropriate staff were notified, and they promptly implemented appropriate corrective actions.
Moreno Valley	As a result of the annual inspections, there were two fixed facilities that required corrective actions: The City's Corporate Yard and the Morrison Fire Station. City staff is continuing to work diligently to correct the deficiencies to ensure both facilities remain in compliance with the MS4 Permit. The City's Capital Improvement Budget has been updated to include corrective efforts for the Corporate Yard. Those efforts have been initiated and a solution is being established. The Morrison Fire Station corrective efforts are in the planning stages and will be finalized during FY 19-20.
Norco	Results of the City inspections of fixed facilities yielded no issues to be resolved.
Perris	In the 2018-2019 permit year inspections were conducted at both Perris yards. These are the "G" Street and Harley Knox yards. Minor recommendations were provided to the Harley Knox yard. The Harley Knox yard has been modified for short term animal storage based on Statewide requirements. At the "G" Street yard, it was recommended that the vehicle maintenance work area to be covered. In late September 2018, an awning was constructed. Old stored materials and parts have been removed from this site.
Riverside	In Fiscal Year 2018-2019, permittee facilities were frequented by various City staff. On-site staff routinely inspected their facilities to ensure pollutants were prevented from entering receiving waters. Appropriate BMPs were implemented in areas where activities with potential discharge were being conducted.

Table 9-1 Permittee Facilities and Activities

<p>Riverside County</p>	<p>Transportation Department owns and operates a total of 6 Maintenance Yards in the Santa Ana River Watershed. See Attachment D.2 for details of the inspections.</p> <p>The Transportation Department owns and operates a total of 1,801 Inlets, 440 Outlets, 2,343 Culverts, 130 Soft Bottoms, 75 Hard Bottoms and 10 Basins in the Santa Ana River Watershed. See Attachment A and Attachment B for details.</p>
<p>RCFC & WCD</p>	<p>A total of 166.5 work hours were logged in the field assessing District facilities. In addition, our maintenance staff logged the following waste removal numbers: Debris removal: 11,761 tons, Sediment Removed: 80,673 CY, and Trash Removed: 4.16 tons</p> <p>The Mock Storm Patrol is a yearly District wide effort where non-maintenance staff spends a day visiting and inspecting facilities to ensure they are ready for the storm season. It is also an opportunity to acquaint staff to the facility locations and accessibility. During the event, staff is also told to look out for illegal connections and illicit discharges.</p>
<p>San Jacinto</p>	<p>City routinely inspects all fixed facilities and reviews field operations. The City believes that they do not contribute pollutants to receiving waters.</p>

Table 9-1 Permittee Facilities and Activities

**PERMITTEE FACILITIES AND ACTIVITIES
2018-2019 ANNUAL PROGRESS REPORT
SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT**

Provision No. XIV.D and XIV.E of the Permit requires each Permittee to annually review, update, and implement the individual clean out schedules and frequency for its MS4 facilities.

PERMITTEE	
Beaumont	Not Reported
Calimesa	Prior to the "Rainy Season" Public Works staff do an inspection of catch basins to make sure grates are clear and readily able to accept runoff. Storm drain clean up occurs on an on-going schedule throughout the year.
Canyon Lake	The City of Canyon Lake has reviewed the annual clean out schedules of the MS4 facilities and found them to be adequate in eliminating discharge to the MS4. The City has a contract with Downstream Services to clean the storm drains along Railroad Canyon Road 2 times per year. Street sweeping is performed monthly, or more often if needed, along Railroad Canyon Road. Street sweeping within the private community occurs twice a week.
Corona	<p>Annual inspection is typical for the storm drain system, with more frequent schedules for facilities that pose greater threat to discharge pollutants into the Receiving Waters. Regular maintenance is conducted as a result of schedules and inspections. Cleaning frequency is based on the following priorities;</p> <p>Low: Low density residential areas, areas with no prior history of illegal dumping, problems, and/or complaints</p> <p>Medium: Medium density residential areas, areas with modest amount of landscaping, collector streets, storm drain facilities with few complaints, problems, or history of an isolated incident that occurred in the past with no visible reoccurring pattern, facilities that had significant types and amounts from past inspections or cleaning.</p> <p>High: High density residential, commercial and industrial area, areas with significant amount of landscaping, major arterial, primary and secondary streets, facilities that discharge directly to Receiving Waters and are classified under the Medium category above, facilities that have been found to contain significant amounts of toxic pollutant based on past inspection cleaning.</p> <p>Analysis of the data collected during facility cleanout identifies areas of higher priority and cleanout schedules are adjusted accordingly.</p>
Eastvale	The current schedule for the catch basin clean outs is found to be adequate. All other MS4 facilities (above 36") are subject to the County's clean out schedule.
Hemet	City of Hemet maintenance staff continues to perform routine maintenance in MS4 facilities on an annual basis, including removal of trash and debris, vegetation, sediments, and repair of erosion damage. Frequency of clean out is dependent upon need, which is determined by ongoing facilities inspections.
Jurupa Valley	City cleans catch basins every year.
Lake Elsinore	For FY 18-19, 84 storm drains were cleaned for 61.646 cubic yards of material removed. The rainy season was significant with the City experiencing 100-year rain fall events. The heavy rainfall coupled with the fire scorched hillsides created additional work for City crews. Storm related cleanup accounted for 580.69 cubic yard of material removed, in addition to the 61.646 cubic yards removed from the 84 drains cleaned.
Menifee	Catch basins in the City are annually inspected and cleaned out prior to the rainy season. The City contracts out catch basin maintenance and works with its contractor to verify that its MS4 facilities are appropriately maintained. During annual inspection and maintenance, the contractor inspects for visual evidence of IC/IDs, litter and/or debris accumulation, and other maintenance issues. No such IC/IDs were reported in 2018-19. Those facilities where storage volume was found to be 25% or more full, or that were impaired by sediment or debris, were cleaned. The City reviewed the effectiveness of the program during 2018-19 and determined that there was no need for revisions.

Table 9-1 Permittee Facilities and Activities

Moreno Valley	The City evaluated its MS4 Facility maintenance program and determined no enhancements to the program were necessary.																		
Norco	Based on staff review, no changes to the scheduling or frequency of clean out operations are proposed.																		
Perris	No updates to the schedule or methods.																		
Riverside	<p>The City's Storm Drain Maintenance Section provides frequent, routine maintenance of the storm drain system including cleaning of pipes, channels, basins, and outlets. The following table summarizes their activities for Fiscal Year 2018-2019:</p> <table border="1"> <thead> <tr> <th>Activity</th> <th>Amount</th> <th>Units</th> </tr> </thead> <tbody> <tr> <td>Storm Pipe Cleaned</td> <td>9,830</td> <td>Linear Feet</td> </tr> <tr> <td>Channel/V-Ditch Inspected/Cleaned</td> <td>31,159</td> <td>Linear Feet</td> </tr> <tr> <td>Basins Inspected/Cleaned</td> <td>723</td> <td></td> </tr> <tr> <td>Basins Debris Removed</td> <td>31</td> <td>Tons</td> </tr> <tr> <td>Channel Debris Removed</td> <td>578</td> <td>Cubic Yards</td> </tr> </tbody> </table>	Activity	Amount	Units	Storm Pipe Cleaned	9,830	Linear Feet	Channel/V-Ditch Inspected/Cleaned	31,159	Linear Feet	Basins Inspected/Cleaned	723		Basins Debris Removed	31	Tons	Channel Debris Removed	578	Cubic Yards
Activity	Amount	Units																	
Storm Pipe Cleaned	9,830	Linear Feet																	
Channel/V-Ditch Inspected/Cleaned	31,159	Linear Feet																	
Basins Inspected/Cleaned	723																		
Basins Debris Removed	31	Tons																	
Channel Debris Removed	578	Cubic Yards																	
Riverside County	<p>The Transportation department annually reviews and implements the individual clean out schedules and frequency for its MS4 facilities. The schedule and frequency of routine maintenance of the MS4 facilities are based on the assigned priority as follows:</p> <ul style="list-style-type: none"> - "High" priority facilities will be inspected and maintained annually prior to the wet season and as often as needed prior to the wet season. - "Medium" priority facilities will be inspected biannually and as often as needed prior to the wet season. <p>The Transportation department cleans/maintains all MS4 facilities where the inspections reveal that storage of volume is about 25% full/above or if accumulated sediment or debris impairs the hydraulic capacity of the facility. Based on the review of the current schedule, no changes were required to the current maintenance frequency.</p>																		
RCFC & WCD	<p>The District has adopted a computerized maintenance management system to ensure the effective maintenance and operation of its many miles of channels, storm drains, levees, dams and retention basins. This system provides a systematic method of planning, inspecting, tracking and documenting all maintenance work performed, materials and equipment used and costs for all on each individual facility. The District's <i>General Procedures for the Operation and Maintenance of Facilities</i> was reviewed during FY 18/19 and updated in August 2019. This procedure is continuously implemented.</p> <p>All information gathered during the Mock Storm Patrol event is recorded through the Survey 123 application.</p>																		
San Jacinto	City maintains a specific Stormwater Division within the Public Works Department that is responsible for on-going and continuous maintenance activities of all facilities. During the FY18-19 period, staff cleaned approximately 9,900 linear feet of underground storm drains and removed 186 cubic yards of debris.																		

Table 9-1 Permittee Facilities and Activities

PERMITTEE FACILITIES AND ACTIVITIES 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
Provision No. XV.A of the MS4 Permit requires each Permittee to maintain a written and/or electronic record of stormwater training provided to its stormwater and related staff. Note: this is also a measurable metric.	
PERMITTEE	Please provide the number of Permittee facility and MS4 operators and maintenance staff that attended Municipal training.
Beaumont	Not Reported
Calimesa	0
Canyon Lake	The City of Canyon Lake is proactive in Municipal Training 2 staff members attend municipal training during FY 2018-19.
Corona	Twenty-four (24) City of Corona employees attended the following training this reporting year: 2-Industrial/Commercial Storm Water Compliance Inspection, 14-Municipal Activities, 5-Construction Activities, 2-Ilicit Connection/Illegal Discharge, and 1-Water Quality Management Plan.
Eastvale	One (1) Person attended the Municipal Training from the City of Eastvale
Hemet	A total of 33 City of Hemet maintenance staff attended Municipal training in FY 2018-2019.
Jurupa Valley	8
Lake Elsinore	5 Attended the District led training and 20 attended the City's in-house training. Exhibit 8.5
Menifee	1
Moreno Valley	7 See Attachment G for Sign-In Sheet
Norco	A total of three City staff involved with operations of the MS4 attended District led training (SAR-Construction). Inspection staff review requirements both in the office and in the field with engineering staff to ensure requirements of the MS4 permit are properly implemented in the field.
Perris	During this permit reporting year, all maintenance staff attended in-house training. Eight staff members also attended Haz Waper training.
Riverside	2
Riverside County	19
RCFC & WCD	The District's Operations and Maintenance staff routinely attends the following trainings (more trainings can be found in Appendix F): <ul style="list-style-type: none"> • Homeless Encampments SOM 29 Spill Prevention & Control Plan
San Jacinto	Six staff attended the May 8, 2019 Municipal Training Session.

PROGRAM IMPLEMENTATION

10. DEVELOPMENT PLANNING

Water Quality Management Plan

Section 2.3 of the existing Riverside County Water Quality Management Plan (WQMP) requires the Permittees to document their procedures for WQMP administration and include a description of departments with implementation responsibility. WQMP implementation procedures are contained in each agency's specific Annual Report (**Appendix J**). The Permittees have several departments involved in implementing and/or administering WQMP requirements. **Table 10-1** (shown below) has been edited to reflect the current departments with primary and secondary responsibility for providing conditions of approval.

Table 10-1. Department Responsible for Conditions of Approval

Permittee	Primary Responsibility	Secondary Responsibility
County of Riverside	Benjie Cho, Kevin Tsang, and Jarrod Gibbon	Everett Duckworth
Beaumont	Planning Department	Public Works Department
Calimesa	Lori J. Askew, Public Works Director	Michael Thornton, City Engineer
Canyon Lake	Tri-Lakes Engineering	Jim Morrisey
Corona	Public Works Department – Land Development Section	Maintenance Services – NPDES Section
Eastvale	Planning Department	Public Works Department
Hemet	Engineering Department	Planning Department
Jurupa Valley	Planning	Engineering
Lake Elsinore	Planning Division	Engineering Department
Menifee	Public Works/Engineering – Land Development	Public Works/Engineering – NPDES
Moreno Valley	Planning	Land Development
Norco	Planning Department	Engineering Department
Perris	Engineering Administration- Contract Plan Checker	NA
Riverside	Public Works Department	Community Development Department
San Jacinto	Development Services Department	Contract City Engineering Firm

TABLE 10-2 DEVELOPMENT PLANNING

DEVELOPMENT PLANNING 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT			
PERMITTEE	1. Priority Projects—Number of Final Project WQMP <u>Public</u> Projects Approved / Total Acreage of <u>Public</u> Development Covered for the above WQMPs:	2. Priority Projects—Number of Final Project WQMP <u>Private</u> Projects Approved / Total Acreage of <u>Private</u> Development Covered for the above WQMPs:	3. Total Number of Post-Construction BMPs properly maintained and operated in inventory:
Beaumont	Not Reported	Not Reported	Not Reported
Calimesa	0/ 0	5/ 222	1
Canyon Lake	See Permittee Report	See Permittee Report	0
Corona	0/ 0	6/ 66.23	169 (44 projects)
Eastvale	1/ 1.7	7/ 149.1	8
Hemet	0/ 0	7/ 17.57	19
Jurupa Valley	0/ 0	2/ 40	3
Lake Elsinore	0/ 0	14/ 0	186
Menifee	0/ N/A	13/ 2621.4	651
Moreno Valley	0/ 0	8/ 134.8	109
Norco	0/ N/A	2/ 2	12
Perris	0/ 0	16/ 216.02	119
Riverside	1/ 2.7	9/ 34.2	758
Riverside County	18/ 142.95	3/ 9.92	0
RCFC & WCD	N/A	N/A	N/A
San Jacinto	0/ 0	9/ UNK	9

TABLE 10-2 DEVELOPMENT PLANNING

DEVELOPMENT PLANNING 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT			
PERMITTEE	4. Total Number of Post-Construction BMPs constructed during this fiscal year:	5. Number of applicable planning staff that attended WQMP training:	6. Number of acres of Significant Redevelopment projects that incorporated LID-based BMPs that are built and completed.
Beaumont	Not Reported	Not Reported	Not Reported
Calimesa	3	0	0
Canyon Lake	See Permittee Report	0	0
Corona	15	1	18.8
Eastvale	1	1 person attended (See attachment G)	0
Hemet	0	5	0
Jurupa Valley	0	1	0
Lake Elsinore	3	0	0
Menifee	6	1	0
Moreno Valley	15	2	19.2
Norco	0	4 WQMP applicability is determined by engineering during plan check process.	25.4
Perris	53	4	41.0
Riverside	102	18	158.7
Riverside County	0	10	0
RCFC & WCD	N/A	N/A	N/A
San Jacinto	0	1	0

TABLE 10-2 DEVELOPMENT PLANNING

**DEVELOPMENT PLANNING
2018-2019 ANNUAL PROGRESS REPORT
SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT**

Provision No. XII.G.6 of the MS4 Permit requires each Permittee to provide a summary of waivers of LID (along with a short description of the Section XII.G.2 through XII.G.4 in-lieu program selected), Hydromodification and Treatment Control BMPs along with any water quality credit granted, in-lieu projects, or urban runoff fund contribution required.

PERMITTEE	
Beaumont	Not Reported
Calimesa	The City has had no development within the past fiscal year that would have required consideration of the LID.
Canyon Lake	In order to comply with water quality regulations enforced by the State through the local Santa Ana Regional Water Quality Control Board, the Lake Elsinore & Canyon Lake Nutrient Total Maximum Daily Load (TMDL) Task Force began using a state-funded grant to begin alum water treatment in Canyon Lake in September 2013. When the alum is added to the lake, it binds immediately with phosphorus and effectively removes the opportunity for algae to grow. With less algae in the water, light can penetrate deeper into the lake allowing plants to grow at the bottom while improving the overall health and water quality of the lake and fish life. The alum treatment was a series of ongoing treatments that occur from September 2013 to September 2019. Alum treatments now take place twice a year.
Corona	N/A
Eastvale	No LID waivers have been processed during the FY 2018-2019.
Hemet	No waivers of LID, Hydromodification and/or Treatment Control BMPs were requested or granted in 2018-2019. The City of Hemet does not grant water quality credit, does not allow in-lieu projects, and does not have an urban runoff fund.
Jurupa Valley	NONE.
Lake Elsinore	None issued.
Menifee	The City did not issue and LID waivers during 2018-19.
Moreno Valley	N/A
Norco	No waivers of LID requirements were issued during the reporting year.
Perris	No waivers were issued during the permit reporting year.
Riverside	N/A
Riverside County	No waivers were provided in the reporting period.
RCFC & WCD	The District is a Special District by act of the State Legislature and has no land use authority.
San Jacinto	None.

TABLE 10-2 DEVELOPMENT PLANNING

**DEVELOPMENT PLANNING
2018-2019 ANNUAL PROGRESS REPORT
SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT**

Provision No. XILK.4 requires each Permittee to maintain a database to track the operation and maintenance of the structural post-construction BMPs installed after the adoption of the Order. This database must include: Type of BMP, watershed where it is located: date of certification: party responsible for maintenance and any problems identified during inspection including any vector or nuisance problems.

PERMITTEE	
Beaumont	Not Reported
Calimesa	Database is included at end of Report.
Canyon Lake	N/A
Corona	See Attachment D.
Eastvale	See Attachment (I) – Post-Construction BMP Database.
Hemet	See Attachment E.
Jurupa Valley	See Permittee report.
Lake Elsinore	EXHIBIT 9.1
Menifee	The City maintains a relational database of structural post-construction BMPs. The BMP inventory has been exported to Excel and included as Attachment E.
Moreno Valley	See Attachment H.
Norco	See attached list for inventory.
Perris	See Exhibit 11 has the SJ SWPPP data (Historical), Exhibit 12 has the WQMP data.
Riverside	See attached document.
Riverside County	Please see Attachment G.
RCFC & WCD	N/A
San Jacinto	See attached.

TABLE 10-2 DEVELOPMENT PLANNING

**DEVELOPMENT PLANNING
2018-2019 ANNUAL PROGRESS REPORT
SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT**

Provision No. XII.K.6 requires each Permittee to provide a list of all structural post-construction BMPs that have been approved after the adoption of the order and contained in the database required in Provision No. XII.K.4

PERMITTEE	
Beaumont	Not Reported
Calimesa	List is included in Database at end of Report.
Canyon Lake	N/A
Corona	<ul style="list-style-type: none"> A. VEGETATED SWALES B. UNDERGROUND INFILTRATION CHAMBERS C. PROPRIETARY BMP – STORM SEPARATOR (HYDRODYNAMIC SEPARATOR) D. PROPRIETARY BMP – CONTECH URBAN BIOFILTER E. PROPRIETARY BMP – CATCH BASIN INSERTS F. PROPRIETARY BMP – JELLYFISH FILTRATION UNITS G. PROPRIETARY BMP – FILTERRA FILTRATION UNITS H. PROPRIETARY BMP – SMARTSPONGE FILTERS I. BIORETENTION AREAS J. WATER QUALITY INLET (OIL/GRIT SEPARATOR) K. EXTENDED DETENTION BASIN L. PROPRIETARY DEVICE – STORMTECH CHAMBERS PROPRIETARY DEVICE – MODULAR WETLAND SYSTEM
Eastvale	See Attachment (I) – Post-Construction BMP Database
Hemet	See Attachment E
Jurupa Valley	See Permittee report.
Lake Elsinore	EXHIBIT 9.2
Menifee	See Attachment E.
Moreno Valley	See Attachment H
Norco	See attached list for inventory.
Perris	Please see Exhibits 11 and 12 as noted above.
Riverside	See attached document
Riverside County	Please see Attachment G.
RCFC & WCD	N/A
San Jacinto	See attached.

PROGRAM IMPLEMENTATION

Hydromodification

The Permittees developed several programs that are required by the 2010 SAR MS4 Permit, including the Santa Ana Region Hydromodification Susceptibility Documentation Report and Mapping, Hydromodification Management Plan (HMP), the Regional Geodatabase, and HMP Evaluation Program. The different programs assisted in preparing the WAP described in Section XII.B of the 2010 SAR MS4 Permit.

The Hydromodification Susceptibility Mapping delineated existing unarmored and soft-armored stream channels in the Permit Area that are vulnerable to hydromodification from new development and significant redevelopment projects. The Regional Geodatabase continues to be updated to include all of the latest information for watershed and hydrologic subarea(s), downstream receiving waters including hydromodification susceptibility and 303(d) listed pollutants, soil types, Multiple Species Habitat Conservation Plan (MSHCP) areas, flood hazard zones, District Master/Area Drainage Plans, and MS4 facilities. The Regional Geodatabase is located within the District's website at <http://rcstormwatertool.org/>.

Following the April 2017 approval of the WAP and its supporting documents by the Regional Board, the Permittees implemented aspects of the HMP Evaluation Program including collecting information from efforts through field surveying, field observations and GIS data metrics from the two approved monitoring sites.

PROGRAM IMPLEMENTATION

**SECTION 11
MONITORING ANNUAL REPORT
UNDER SEPARATE COVER**

PROGRAM IMPLEMENTATION

12. **PUBLIC EDUCATION AND OUTREACH**

This section provides an overview of watershed specific education activities conducted by the Permittees during the reporting period.

PROGRAM OVERVIEW

The Program's goals consist of continued efforts to increase stormwater pollution prevention awareness and its impact on the environment, to educate residents and local businesses in an effort to influence their behavior towards minimizing stormwater pollution, to focus attention on CBRP area compliance, and to maintain compliance with the 2010 SAR MS4 Permit.

- Fostering a broad public awareness of water pollution concerns;
- Increasing public acceptance of pollution prevention activities to curtail everyday human behaviors that contribute to water quality problems;
- Educating/informing the general public, regulators and key local government, and state decision makers on urban runoff conditions in Riverside County; and
- Promoting stewardship of local water resources in both English and Spanish.

PROGRAM HIGHLIGHTS

- The Public Education Strategic Plan adopted in 2018 is being implemented and applies Community Based Social Marketing² principles and approaches to promote the elimination of dry weather runoff arising from excess irrigation runoff.
- E-Newsletters are distributed monthly that include information on pollution prevention behaviors, spotlighting a recreational activity or area of interest in a watershed.
- Updated printed materials and revised brochures to capture the interest of key target audiences.
- Social media platforms such as Facebook, Twitter and Instagram are utilized to engage citizens and stakeholders to help develop an interest in the watersheds and educate them on pollution prevention behaviors.
- The Program website also had a positive effect in raising the resident's stormwater pollution awareness. Outreach materials distributed at community events and business partner locations all refer to the website for additional information to raise the public's awareness and understanding of stormwater pollution prevention measures and where to properly dispose of HHW.

These programs and associated materials made it easy for residents to participate in behaviors that encourage the prevention of stormwater pollution.

² Community-based social marketing draws heavily on research in social psychology, which indicates that initiatives to promote behavior change are often most effective when they are carried out at the community level and involve direct contact with people. See <http://www.cbsm.com/pages/guide/preface/>

PROGRAM IMPLEMENTATION

BMP OUTREACH ACTIVITIES FOR SANTA ANA POLLUTANTS OF CONCERN

After each identified pollutant, specific BMP outreach activities are identified to address these different pollutants of concern.

Nutrients associated with urban development and land uses:

- The Agricultural Commissioner assists in the distribution of best management practices materials;
- County Waste Management distributes and makes available at their composting workshops the After the Storm brochure;
- Keep Our Water Clean, a video that focuses on proper use of fertilizers and avoiding excess runoff from sprinklers;
- Includes specific section within municipal employee training that focuses on the need to address increased nutrients within the watershed;
- Provides County's HHW flyer to incoming residents about safe disposal of hazardous waste and includes the 1-800 toll free number to report illegal disposal into the storm drain;
- Distribution of the After the Storm brochure;
- Distribution of the Landscape and Gardening brochure;
- Distribution of the Pet Waste "Doo Good" brochure; and
- Distribution of the Tips for Horse Care brochure and flyer covering equestrian care and management.

PROGRAM IMPLEMENTATION

Pathogens associated with urban development and land uses

- Construction, municipal, industrial/commercial and new development training focusing on the need to address pathogen sources within the watershed;
- Distribute pet waste information in pet stores, veterinarian clinics, kennels and pet grooming facilities;
- Coordination with Riverside County Animal Control Department and private "no kill" pet shelters to distribute Pet Waste "Doo Good" brochures and Pet Waste Bags to families adopting pets at the shelters;
- Distribution of the Landscape and Gardening brochure; and
- Distribution of the Septic Tank Tips brochure.

In addition, the District has developed other outreach materials to focus on other pollutants and pollutant causing activities/businesses commonly associated with urban runoff.

24-hour Watershed-Wide Outreach Portals

The Permittees maintain three 24-hour watershed wide portals to receive and distribute information regarding the "Riverside County Watershed Protection" program. These portals include a website, a 1.800.506.2555 toll free number, and an e-mail address.

PROGRAM IMPLEMENTATION

Riverside County Watershed Protection Website

The District operates a website that provides information on how to report illegal dumping, clogged storm drains, lack of curb markers, and provides information on upcoming activities and opportunities for public participation in program development and general information about urban runoff pollution prevention techniques. The website is located at: <http://rcwatershed.org>. There is also a link on the County's main page advocating reporting illegal storm drain disposal.



The Watershed Protection Program outreach materials are available for download/print from the website. County residents can also subscribe to receive a monthly newsletter.

Stormwater Toll Free 1-800 Hotline

A toll free 800 telephone number (1.800.506.2555) for reporting suspected stormwater pollution and obtaining pollution prevention information is maintained. This call line links to Riverside County Environmental Health or Riverside County Waste Management to obtain household hazardous waste collection workshop dates and locations, or information on grass re-cycling and composting. The 24-hour toll free number also allows callers to report clogged catch basin inlets, illegal dumping, and other illicit discharge violations. In addition, the hotline allows people to order public education materials and/or request stormwater presentations for schools or community groups. The toll-free number is widely publicized in all public education outreach materials and promotional items, listed in telephone directories, and registered in Riverside County 211, a non-profit community help line.

PROGRAM IMPLEMENTATION

Callers reporting illicit discharges are directed to County Code Enforcement, who accepts the calls and then re-directs them to appropriate Permittee Code Enforcement departments. Calls for public education materials or presentations are routed to the District's front desk and then to the District's public education staff.

The provider of the toll free 800 number, Riverside County Information Technology, tracks the number of incoming calls. The number of toll-free calls received and tracked from **July 2018 through June 2019 was 887.**

PROGRAM IMPLEMENTATION

Program Coordination with other Stakeholders

The Watershed Protection Program collaborates extensively to leverage and increase available resources. Partnerships have been established with local environmental groups, business organizations, cities, and public and private entities. These partnerships help maximize use of existing distribution outlets, events, programs, and materials. Impressions, attendance, and other measures of effectiveness relative to these programs are included in **Appendix E** of this Annual Report.

To leverage education outreach resources and coordinate public education activities with other environmental programs, the Permittees closely coordinate and/or have existing partnerships with the following entities/organizations:

- **Santa Ana River Watershed Clean-Up Stakeholders Group**

The annual clean-up program continues with the support of the District and includes Keep Riverside Clean and Beautiful and other community groups and agencies. This collaboration of environmental partners supports and encourage volunteers, and allies and groups, to gather for a day to remove trash and debris from the Santa Ana River that might otherwise flow downstream to the ocean.

- The Watershed Protection Program also coordinates with the following City/County departments to distribute appropriate stormwater education outreach materials:

- Cities/County/District Front Counters
- County Waste Management
- County Environmental Health Department
- County Agriculture Department
- County Executive Offices
- County Code Enforcement
- County Regional Parks
- County Animal Control
- County Economic Development Agency
- County Assessor/Recorder's Office
- County Fleet Services
- County Human Resources
- County/City Library Systems
- County Department of Social Services



Figure 1- Volunteers at the Annual Santa Ana River Clean-Up Event.

PROGRAM IMPLEMENTATION

- County Transportation and Land Management Agency
- County Sheriff
- County Fair Housing Department
- County Business License

The Watershed Protection Program also coordinates with the following state and/or local government or business entities to distribute public education information:

- Western Riverside Council of Governments
- Santa Ana Regional Water Quality Control Board
- Orange County Watershed & Coastal Resources Division
- Santa Ana Watershed Project Authority
- South Coast Air Quality Management District
- Santa Rosa Plateau Reserve
- United States Bureau of Reclamation
- Elsinore Valley Municipal Water District
- Rancho California Water District
- Jurupa Community Services District
- Habitat for Humanity in Riverside
- Department of Water Resources Southern California District
- Western Municipal Water District
- Riverside Unified School District After School Programs
- Fair Housing Council of Riverside
- Eastern Municipal Water District
- The Water Education Center in Hemet District
- Metropolitan Water District
- Lake Elsinore/San Jacinto Watershed Authority

General Community Outreach

The Watershed Protection Program participates in various community events to ensure that our message is delivered to the largest possible municipal audience. These community events also provide an opportunity to survey attendees and assess their public knowledge of stormwater pollution prevention.

In addition, the Watershed Protection Program has partnered with Riverside County Waste Management to ensure stormwater pollution prevention information is available at many HHW and ABOP collection centers and/or events held within each of Riverside County's principal watersheds (Santa Ana, Santa Margarita, and Whitewater). These events provide free disposal sites for common pollutants that can impair receiving waters.

The program's urban runoff materials and promotional items are also distributed through community cleanup partnerships with Riverside County Code Enforcement Administration, whose undertaking is to achieve voluntary compliance in all phases of community revitalization. Staff works closely with the community improvement specialists, ensuring that residential stormwater pollution prevention

PROGRAM IMPLEMENTATION

material packets are on hand for distribution on inspection visits, complaint investigations, and at neighborhood or community presentations.

When a complaint warranting an investigation is received, the information is entered into a database and then followed up with an NPDES staff inspection. Following the investigation, when appropriate, the inspector then canvasses the area with storm drain pollution prevention brochures, HHW collection schedules and/or door hangers.

Outreach Tools Specific to Pollutants

The Watershed Protection Program conducts a wide range of outreach activities focusing on reduction of certain pollutants in the receiving waters. These outreach activities focus on sources of those pollutants whether it is residential, business, municipal or some other state or federal source. Education materials explain how everyday activities of potential sources may contribute to the pollution of receiving waters and encourage the sources to adopt alternative approaches to pollutant management that will lessen or eliminate pollution-causing activities. Program efforts include providing information on pollution prevention techniques and informing sources about the proper disposal of pollutants.

Brochures

- **After the Storm**
 - Educate/inform on impacts from dumping pollutants into storm drain systems
 - Educate on the clean-up and proper disposal of pet waste
 - Develop programs for landowners on erosion and sediment control practices
- **Landscaping and Gardening**
 - Use for pesticides, fertilizers, and herbicides
- **Tips for Horse Care**
 - Educate/inform on impacts from littering and improper waste disposal
 - Educate on the clean-up and proper disposal of pet waste
- **Doo Good (Pet Waste)**
 - Educate/inform on impacts from littering and improper waste disposal
 - Educate on the clean-up and proper disposal of pet waste
- **Tips for Maintaining a Septic Tank System**
 - Educate/inform on impacts from littering and improper waste disposal
- **Automotive Maintenance and Car Care**
 - Educate on impacts from gasoline, fuel oil, and oil and grease
 - Educate on the need to keep stormwater from contacting potential contaminants
 - Cover contaminants and prevent runoff through polluted areas
- **Outdoor Cleaning Activities and Professional Mobile Service Providers**
 - Educate/inform on impacts from littering and improper waste disposal
 - Educate on impacts from gasoline, fuel oil, and oil and grease
 - Cover contaminants and prevent runoff through polluted areas
- **Swimming Pool, Jacuzzi and Fountain Maintenance**
 - Educate/inform on impacts from littering and improper waste disposal
- **Food Service Industry**
 - Educate on the need to keep stormwater from contacting potential contaminants
 - Cover contaminants and prevent runoff through polluted areas

PROGRAM IMPLEMENTATION

Other Outreach Materials

In addition to the brochures mentioned above, the Program utilizes other effective outreach materials such as: flyers, dust pans, shelf talkers, and tear sheets to foster interest in the Program.

PROGRAM IMPLEMENTATION

Mailing Inserts

The Watershed Protection program publicizes the dates and locations of HHW collection events through the use of mail inserts. Inserts are included in various utility bills and special notices.

Cooperative Used Oil Program

The WRCOG is responsible for administering the Used Oil Block Cycle Grant on behalf of 17 Cities within WRCOG's boundaries. These cities include Banning, Calimesa, Canyon Lake, Corona, Eastvale, Hemet, Jurupa Valley, Lake Elsinore, Menifee, Moreno Valley, Murrieta, Norco, Perris, Riverside, San Jacinto, Temecula, and Wildomar. The target audience is the do-it-yourselfers (DIYers).

One of WRCOG's goals is to make it convenient for residents to recycle their used oil and to make it easy for them to find a certified center accepting used oil. In order for these centers to be certified, they need to apply for certification with the California Integrated Waste Management Board (CIWMB). WRCOG contacts the non-certified centers to explain the program and hopefully interest them in becoming a certified used motor oil collection center. The goal is to see a significant decrease in the amount of illegally dumped motor oil through the addition of new certified centers within driving distance of the DIYer.

WRCOG also provides secure oil containers on an as needed basis to the certified centers for distribution among DIYers at no cost to minimize the chance of spillage and a hazardous situation. Through WRCOG efforts including site visits, all certified centers in the County are complying to state and local mandates.

The WRCOG program also includes public education. This includes hosting a booth at large venue events, conducting surveys to see how informed the local community is regarding used oil recycling, distributing brochures in both English and Spanish with information regarding used oil drop-off locations, curbside programs, and other local recycling programs. The program also maintains an English and Spanish 800 toll free number that can be used to get answers to any recycling question a resident may have regarding, "Where is the nearest Certified Center located?" and "Where can I find a used oil container?". The phone number is printed on all distributed materials including the oil containers.

As mentioned, WRCOG provides brochures in Spanish, as Riverside County has a large Spanish-speaking population that needs to be reached. By educating this group with the right information concerning used oil recycling, WRCOG hopes an increase in used oil recycling will occur throughout their Riverside County jurisdiction.

Western Riverside County Clean Cities Program

WRCOG created the Cleanest County in the West program to address issues relating to litter and illegal dumping. The program was designed to assist jurisdictions in meeting the 50% diversion goals mandated by the state legislature.

PROGRAM IMPLEMENTATION

WRCOG also participates in large venue events to promote the use of alternative vehicle fuels. The Car Care for Clean Air program's objective is to increase public awareness regarding the benefits of proper vehicle maintenance. These events give staff an opportunity to assess how informed the local community is regarding recycling and allows us to distribute brochures and informational flyers that will assist people in finding the nearest recycling center.

Direct Business Outreach Activities

Restaurants and businesses that handle hazardous wastes are inspected by the Permittees, for potential stormwater impacts from their activities. Each business is provided with educational information specific to their typical business activities.

The County of Riverside requires all businesses in Riverside County to obtain a business license. Billing inserts were developed for the County's Transportation and Land Management Agency's Business License Division and included in all license renewal notices. New businesses receive stormwater education material that is affixed to their application.

Our partnership with the County's Business License Division continues to be successful by providing direct outreach to business owners about behaviors that contribute to water quality problems. Direct outreach is made in the form of an insert that is issued to new business license applicants and inserted into annual renewal reminders. The insert includes information on the **public education** program and the toll free 800 number portal used for reporting illegal activities.

Public Education Materials

Examples of various public education materials the Permittees distribute are included in **Appendix E**.

TABLE 12-1 PUBLIC EDUCATION AND OUTREACH

PUBLIC EDUCATION AND OUTREACH 2018-2019 ANNUAL PROGRESS REPORT Santa Ana Region NPDES Municipal Stormwater Permit	
Provision No. XIII.J requires each Permittee to annually sponsor or staff an Urban Runoff table or booth at community, regional, and/or countywide events to distribute public information materials to the public. Please provide descriptions of the events. More information is located in the Permittees' reports in Appendix J.	
PERMITTEE	
Beaumont	Not Reported
Calimesa	The City sponsors two City Wide Clean-Up days in cooperation with CR & R, the City's Franchise Waste Hauler and RC Waste Management District. One in the Spring and one in the Fall. These events encourage residents to have bulky waste removed from their properties by having the Waste Hauler pick it up for free on the residents' normal trash collection day. Residents are informed of the events by Flyers, Website, Social Media and City Council updates.
Canyon Lake	<p>The City of Canyon Lake takes every opportunity to educate the public by having Code Enforcement Officers distribute informational pamphlets in regard to several MS4 issues. The City of Canyon Lake sends out informational pamphlets to businesses who perform NPDES related Construction, and these pamphlets are available at the City Hall Office.</p> <p>During this FY 2018-2019 Canyon Lake Code Enforcement and Special Enforcement Departments staffed educational storm water runoff booths at 2 community events; Oktoberfest 9/2018 and Fiesta Days May 2019 providing pamphlets with dust pans, dog walking bags, pencils, rulers and t-shirts provided by the Riverside County Department of Flood Control and handed out food waste pails for recycling food from residential homes for distribution to attendees.</p>
Corona	<ul style="list-style-type: none"> o Inner-coastal Watershed Cleanup Day, September 29, 2018 <p>City staff organized this cleanup event held at the Auburndale Road crossing of Temescal Creek. Approximately 122 volunteers, mostly students from local middle and high schools, participated to remove approximately 3.15 tons of trash from the waterway. City staff assisted with the trash removal and storm water educational materials were distributed to all event attendees.</p>
Eastvale	<p>The City has hosted booths or tables at events for the City such as Picnic at the Park, Fall Festival, and National Night out. These booths will have educational pamphlets relating to safe car wash practices, landscape watering, commercial/industrial BMPs, vehicle maintenance, etc. as well as items such as color changing pencils, dust pans, shirts, etc. that has the Watershed Protection logo and name to help spread the word of the Watershed Protection program.</p> <p>National Night Out – August 6 Quarterly Eastvale Townhall Meeting (4 times) City Council Meetings (biweekly) Picnic in the Park – 6/28 to 6/30 (2019)</p> <p>National Night Out – around 1,000 attended, 4 volunteers, about 800 public ed materials Quarterly Eastvale Townhall Meeting – about 50 people attend, 2 volunteers, about 50 public ed materials City Council Meetings – about 50 people attend, 2 volunteers, about 50 public ed materials (per meeting) Picnic in the Park – around 8,000 people attended, 4 volunteers per day, about 2,000 public ed materials</p>

TABLE 12-1 PUBLIC EDUCATION AND OUTREACH

<p>Hemet</p>	<p><u>Hemet Sunset Rotary Club Meeting – July 25, 2018</u></p> <p><u>Hemet/San Jacinto Valley Chamber of Commerce Business Expo - August 22, 2018</u></p> <p>The City of Hemet's Management Assistant attended the Hemet Sunset Rotary Club weekly meeting and provided a PowerPoint presentation explaining the Stormwater program. The meeting was attended by local business owners and current and former city council members.</p> <div data-bbox="814 360 1570 786" data-label="Image"></div> <p>Hosted by the Hemet Valley Mall, the Hemet/San Jacinto Valley Chamber of Commerce Business Expo was held August 22, 2018. This event was a great opportunity to meet and educate local businesses throughout our community. We handed out storm water pamphlets, "Stormwater pollution prevention kits", water conservation kits, and recycling bins. The event had over 90 Business Exhibitors including food sampling, family activities, and live entertainment. This event was attended by an estimated 600-700 people.</p>
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TABLE 12-1 PUBLIC EDUCATION AND OUTREACH


	
<p>Jurupa Valley</p>	<p>No staff or budget available</p>
<p>Lake Elsinore</p>	<p><u>The City staffed a booth and provided water quality literature at the City's Annual Pet Walk</u></p> <p>Twenty 19 Pet Walk. Saturday, May 11, 2019</p> <p>Walk with owners and their pets on the Diamond Stadium levee. There were 250 participants</p> <p>EXHIBIT 10.1</p>
<p>Menifee</p>	<p>The City also contributes funds annually to the District's education and outreach program through the Implementation Agreement.</p>

TABLE 12-1 PUBLIC EDUCATION AND OUTREACH

<p>Moreno Valley</p>	<p>The City hosts several events throughout the year. Pollution Prevention brochures and other outreach materials are given out at these events. Through the NPDES Implementation Agreement Moreno Valley funds a part of the comprehensive Public Education Program. RCFC&WCD will provide the specifics regarding the locations and staffing of an Urban Runoff table or booth in the Consolidated Annual Report.</p> <p>Mulch Giveaway – March 30, 2019</p> <p>Used Oil Filter Exchange – March 9, 2019 and May 25, 2019</p> <p>Career Day with District 3 Council Member – May 28, 2019</p> <p>Free Mulch Give Away Participants: 60 Giveaways: 60 recycle tote bags, 60 landscape guidebooks, 60 dustpans</p> <p>Used Oil Filter Exchange Event Participants: 54 Giveaways: 54 doggie trash bag dispensers</p> <p>Used Oil Filter Exchange Event Participants: 33 Giveaways: 33 doggie trash bag dispensers</p> <p>Career Day with District 3 Council Member Participants: 200 students Giveaways: 200 pens, 200 rulers with presidents</p>
<p>Norco</p>	<p>The City of Norco partners with Riverside County on these programs.</p>
<p>Perris</p>	<p>Annual events were not held this year due to lack of funding and staff</p>

TABLE 12-1 PUBLIC EDUCATION AND OUTREACH

	Date	Event Name	Representatives	Hours	Attendance
	10/30/2018	Trunk or Treat	2	12	1,800
	12/1/2018	Winter Wonderland	3	16	5,000
	03/23/2019	Walk with the Animals	2	16	5,400
	05/6/2019	Duck Daze	2	12	1,000
	05/19/2019	<u>Mopars in May</u>	2	16	200
	05/26/2019	Arlington Chili Cook-Off and Car Show	4	26	50,000

Data is found in the table above. During these events, Environmental Compliance Inspectors distribute public education materials with environmentally focused messages including posters, hats, bracelets, pencils, pens, coloring books, fans, and more. Demonstrations using the diorama are also given to educate attendees.

Riverside

TABLE 12-1 PUBLIC EDUCATION AND OUTREACH



Walk with the Animals – March 23rd, 2019



Arlington Chili Cook-Off and Car Show – May 26th, 2019

<p>Riverside County</p>	<p>The County provides monetary support via the Implementation Agreement as well as storm water educational information at the County kiosks and TLMA permit processing centers. Code Enforcement Officers, Environmental Compliance Inspectors, and other field staff carry educational brochures in their vehicles to hand out to the public as appropriate.</p> <p>Flood Control District (Principal Permittee) conducts all countywide events for Public Education on behalf of the Co-Permittees financed through cost-share funds.</p>
<p>RCFC & WCD</p>	<p>The District takes the lead role in attending community, regional and countywide events for the regional Public Education program. See Appendix E for additional details as well as the Annual Progress Report.</p>
<p>San Jacinto</p>	<p>City provides handouts at the front counter relating to NPDES Programs.</p>

PROGRAM IMPLEMENTATION

13. **TOTAL MAXIMUM DAILY LOADS (TMDLs)**

This section summarizes the Permittees' program to comply with the Total Maximum Daily Loads (TMDLs) Waste Load Allocations (WLAs) and TMDL implementation plan tasks assigned to the Permittees through the incorporation of TMDLs into the 2010 SAR MS4 Permit. It should be noted that TMDLs are waterbody specific and therefore, do not always regulate all of the Permittees in the Santa Ana Region.

The Permittees that fall within the Lake Elsinore/Canyon Lake (LE/CL) TMDL as well as the Permittees under the Middle Santa Ana River, Reach 3 (MSAR) TMDL meet with other stakeholders to form Task Forces for each respective TMDL administered by two joint powers authorities, the Lake Elsinore San Jacinto Watershed Authority (LESJWA) and Santa Ana Watershed Powers Authority (SAWPA), respectively. Permittees attend these meetings on a regular basis in order to conduct studies necessary to collect data and relate it to the TMDL as well as coordinating activities among all of the various stakeholders including but not limited to revising a TMDL.

Permittees implement the Comprehensive Nutrient Reduction Plan (CNRP) for LE/CL TMDL and the Comprehensive Bacteria Reduction Plan (CBRP) for the MSAR TMDL. These are long-term plans that serve as narrative limits for both TMDLs. Permittee implementation activities for both the CBRP and CNRP are attached as **Appendix H and I**, respectively, and information is also located in each of the Permittees' Annual Report submittals located in **Appendix J**. MSAR TMDL Permittees provide a CBRP update to the Santa Ana Regional Board during the MSAR Task Force meetings when it is an agenda item.

Provision Nos. VI.D.1.a.v-vii and VI.D.2.c require update of LIPs caused by changes to the DAMP, WQMP, Lake Elsinore/Canyon Lake and Middle Santa Ana River TMDL studies and is outlined in the table below.

TABLE 13-1 PROGRAM IMPLEMENTATION AND EVALUATION FOR TMDL

PROGRAM IMPLEMENTATION AND EVALUATION 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
Provision Nos. VI.D.1.a.v-vii and VI.D.2.c require update of LIPs caused by changes to the DAMP, WQMP, Lake Elsinore/Canyon Lake and Middle Santa Ana River TMDL studies.	
PERMITTEE	
Beaumont	Not Reported
Calimesa	N/A
Canyon Lake	The City of Canyon Lake has recently updated the LIP FY 2016-17 to reflect revisions to the DAMP and to ensure compliance with the current permit.
Corona	For last year's reporting, the City updated its LIP for Citywide departmental and personnel changes. Additionally, RCFCWCD provided a revision of the Watershed Action Plan and the LIP was revised accordingly. The update this reporting period was the programmatic language submitted by RCFCWCD for various sections and the LIP was revised accordingly. The revisions addressed the following sections: Watershed Action Plan; Public Education and Outreach; Development Planning; CBRP Implementation-Regional Treatment; Hydromodification Management Plan; and WQMP.
Eastvale	The City has had no changes to the LIP due to changes to the DAMP or WQMP during the 2018-2019 Fiscal Year.
Hemet	3.8 TMDL / WQBEL Compliance 5.6.9 Trash BMPs 5.7 Fire BMPs 6.3 Watershed Action Plan 8.2 Industrial and Commercial Facility Inspections 8.3 Third-party Notifications 8.5.3 Enforcement Strategy for Mobile Businesses Violations 10.0 Public Education and Outreach 11.4 Development Planning 12.2.5.8 Other TMDL Tasks Including Permittee Dischargers 12.2.5.9 CBRP Implementation- Regional Treatment 13.5.1 Watershed Action Plan 13.5.2 Hydro-modification Management Plan 13.5.3 Review of General Plan 13.5.4 WQMP
Jurupa Valley	No major revisions

TABLE 13-1 PROGRAM IMPLEMENTATION AND EVALUATION FOR TMDL

Lake Elsinore	Update Section 3.8 to include the TMDL update underway. Update Section 12.3.5.6 to reflect submittal of the TMDL Technical Report and the Draft Basin Plan Amendment Package to the SARB Update Section 13.5 to include information on the status of the WAP, Hydromodification Management Plan and WQMP adoption and revisions in process.
Menifee	The City's LIP was updated with information provided by the District to reflect that the LE/CL TMDL is undergoing a revision and that the resulting TMDL Technical Report was submitted both to the Regional Board and the public for review in 2018-19. The City did not make any revisions to its LIP in 2018-19 caused by changes to the DAMP or WQMP.
Moreno Valley	During the reporting year, the most significant update was the inclusion of the status that the LE/CL TMDL is undergoing the TMDL revision process. The TMDL Technical Report was submitted to the Santa Ana Regional Board in December 2018 and the draft Basin Plan Amendment Package was circulated for public review and peer review during the first half of 2019. Stake holders are awaiting comments from the Regional Board. Updated LIP available upon request.
Norco	No revisions occurred during the reporting year.
Perris	A copy of the requested changes from Flood Control was printed and inserted into the LIP. The City is planning on an update of the entire document in 2020 due to new staff and reorganization.
Riverside	For FY2018-19, no revisions to the LIP were finalized. Several revisions to the LIP are currently in progress.
Riverside County	No revisions were made to Riverside County's LIP regarding TMDL language.
RCFC & WCD	A review of the LIP was completed. Staff assignments and associated divisions/sections responsible for programs were made current and old information was removed. Minor updates were made in general and key milestones were described such as the LE/CL TMDL is undergoing the revision process and the project status for the Phoenix Storm Drain diversion to sewer partnership project. The LE/CL TMDL Technical Report was submitted to the Santa Ana Regional Board in December 2018 and the draft Basin Plan Amendment was circulated for public review and peer review during the first half of 2019.
San Jacinto	The City is continuing to update the LIP from the FY18-19 period and expects to complete these updates in FY19-20.

TABLE 13-1 PROGRAM IMPLEMENTATION AND EVALUATION FOR TMDL

TOTAL MAXIMUM DAILY LOADS 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
The following is a summary of the Comprehensive Bacteria Reduction Plan (CBRP) Implementation Activities. Not all of the Permittees are subject to the MSAR Bacterial TMDL—only those listed below.	
PERMITTEE.	
Corona	<p>The City of Corona is a member of the TMDL Task Force with efforts being coordinated and administered through the Santa Ana Watershed Project Authority (SAWPA), a joint powers authority. Corona has implemented CBRP activities with a compliance strategy that identifies the following: Implementation Plan; Ordinances; Specific BMPs; Inspection Criteria; and Regional Treatment. The following are some CBRP activities the City has implemented:</p> <ul style="list-style-type: none"> • Transient Camps: <ul style="list-style-type: none"> ○ The City (Maintenance Services and Police Departments) collaborates with RCFCWCD to address concerns with transient encampments, which may be contributing to elevated levels of bacteria in dry weather flows. Maintenance Services and Police Departments conducted 10 encampment cleanups and removed 22 tons of waste materials. • Water Conservation Practices – "Making Water Conservation a California Way of Life" Campaign, encouraging customers to implement the following measures: <ul style="list-style-type: none"> ○ No watering on Fridays ○ 20 minutes maximum per station per watering day ○ Drip Irrigation: 90 minutes maximum per watering day ○ No watering between 10am and 8pm ○ No Watering for 48 hours after rainfall ○ Leaks and broken sprinklers must be fixed in a timely manner ○ Water cannot be allowed to runoff property ○ Washing hard surfaces is prohibited ○ Vehicles can only be watered using a bucket and hose with an automatic shut-off nozzle <p>The City has staff available to educate residents on how to address these measures and respond to any complaints. Additionally, the City continued its turf removal projects in City parkways, and reclaimed water conversions. The increased efforts on water conservation will result in decreased dry weather runoff and therefore a reduction in potential pathogenic discharges from urban runoff into the Receiving Waters.</p>

TABLE 13-1 PROGRAM IMPLEMENTATION AND EVALUATION FOR TMDL

	<ul style="list-style-type: none"> • Pet Waste Management – Scoop the Poop Campaign <ul style="list-style-type: none"> ○ "Dogs are full of love and poop. We say spread the love, not the poop." City departments (Library and Recreation, Maintenance Services, and Police) collaborated for a Citywide awareness campaign encouraging residents to be prepared by carrying extra poop bags that can be placed in the trash when walking their dogs. Poop bag stations and signs are being placed Citywide at various locations. "Scoop it, bag it, trash it." By contributing to this campaign, residents help reduce the footprint of their dogs, thereby keeping pollutants out of our local waterways. <p>Please see the attachment 'K' for the LIP documentation of Corona's Compliance Strategy for CBRP Activities.</p>
Eastvale	The City will conduct IC/ID inspections for commercial/industrial sources and work closely with Jurupa Community Services District to reduce overwatering in residential areas. The City also has, at a minimum, bi-weekly street sweeping for all accepted streets in the City. The City has continued to look for transient camps, but none have been noted for the 18/19 Fiscal Year.
Jurupa Valley	City participates in the CBRP MSAR bacteria Taskforce, performs regularly scheduled street sweeping, Code enforcement removes illegal homeless encampments.
Norco	The City of Norco has an animal waste ordinance among other BMPs in place to prevent potential sources of bacteria from reaching the MS4. No changes are proposed at this time.
Riverside	The City of Riverside is an active participant in the MSAR Bacteria TMDL Task Force. Together with the Task Force the City has participated in extensive monitoring programs in the watershed and special studies in the Arlington Greenbelt area. These and other efforts are well documented in the Task Force library. In addition, together with the Riverside County Flood Control and Water Conservation District, the City is in the preliminary design phases of a dry weather diversion project at the Phoenix Storm Drain. If feasible, this project would divert dry weather storm flows to the sewer system and reduce impacts of bacterial indicators at that location.
Riverside County	N/A

TABLE 13-1 PROGRAM IMPLEMENTATION AND EVALUATION FOR TMDL

TOTAL MAXIMUM DAILY LOADS 2018-2019 ANNUAL PROGRESS REPORT SANTA ANA REGION NPDES MUNICIPAL STORMWATER PERMIT	
<p>The following is a summary of the Comprehensive Nutrient Reduction Plan (CNRP) Implementation Activities. Not all of the Permittees are subject to the LE/CL Nutrient TMDL—only those listed below.</p>	
PERMITTEE.	
Beaumont	Not Reported
Canyon Lake	See Permittee Report
Hemet	<p>The City of Hemet takes an active role in programs which contribute to the reduction of nutrient loads into Canyon Lake and Lake Elsinore. Some of these activities are noted below:</p> <ol style="list-style-type: none"> 1. WQMP Implementation - Engineering 2. Street Sweeping (Twice Monthly) – Contracted with CR&R 3. MS4 Debris Removal – Public Works Basin Crew, Road Shoulder Crew, and Right-of-way crew 4. Homeless Encampments - Right-of-way Crew 5. Inspection & Enforcement –Management Assistant and Code Enforcement 6. Participation in the LE/CL TMDL Task Force – Management Assistant
Lake Elsinore	<p>The City of Lake Elsinore undertakes many activities aimed at reducing the flow of nutrients and other pollutants to the Lake as well as in Lake activities to improve water quality. Some of the activities are noted below:</p> <p>Engineering Department enforcement through entitlement process of WQMP requirements on new development/significant redevelopment, private and public projects</p> <p>Engineering Department requires inspection of post construction BMPs – conducted in accordance with the frequency specified in the MS4 Permit; inspections performed by third party consultant or city staff.</p> <p>Engineering Department oversees contract with CR&R for twice monthly street sweeping – performed by CR&R through franchise agreement.</p> <p>Engineering Department arranges for and publicizes twice yearly city-wide cleanup events whereby residents can unload waste.</p> <p>Engineering Department seeks out and obtains tire recycling grant allowing residents to dispose of tires safely. The grant also provides for an opportunity for the City to dispose of tires dumped throughout the city.</p> <p>Community Services Dept. conducts activities to improve water quality in the lake through the addition of sport fish to lake approximately 2x a year; providing trash bags to boaters that launch on the lake whether it is from a City or private facility; funding floating portable toilets on the lake; hosting "Carp Quest" at the Lake, a competition awarding prizes to the most carp caught during a specified time frame.</p> <p>City Code Enforcement Division actively seeks out and cleans out homeless encampments throughout the City.</p> <p>City of Lake Elsinore and EVMWD fund the addition of reclaimed water to the Lake –approximately \$1,500,000 is spent annually</p> <p>City of Lake Elsinore is year-round host to a permanent HHW facility adjacent to the City Corporate Yard; the facility is staffed 11 times a year by Riverside County Dept. of Environmental Health.</p>

TABLE 13-1 PROGRAM IMPLEMENTATION AND EVALUATION FOR TMDL

	<p>City of Lake Elsinore, EVMWD and Riverside County Flood Control funding of a joint project, Regional Agricultural Pipeline, designed to place current above ground transport of reclaimed water for the Lake into an underground pipe, thereby increasing the amount and quality of the water that will get to the Lake.</p> <p>Engineering Department and City Manager's Office participation in the LE/CL TMDL Task Force</p> <p>City of Lake Elsinore and EVMWD joint operation of the Lake Elsinore Aeration and Mixing system designed to increase oxygen in the lake.</p> <p>Engineering Department through the entitlement process and regular inspections ensuring that a suite of minimum BMPs on are implemented on ALL construction sites, as well as ensuring that applicable coverage under the General Permit for Construction is obtained.</p> <p>Engineering Department providing education to mobile businesses in the City through discussion at business license application and sending annual mailing to mobile businesses</p> <p>Engineering Department risk categorizing as high, med, low and conducting inspections on industrial and commercial business based on categorization throughout the City.</p> <p>Engineering Department and/or Code Enforcement responding within 24 hours to IC/ID Reports.</p> <p>City of Lake Elsinore reduction in irrigation use at City facilities due to reliance on artificial turf and native drought tolerant plants</p> <p>City of Lake Elsinore formation on an illegal dumping task force.</p> <p>City of Lake Elsinore grant solicitation to secure funding for study for removal of algal biomass on the Lake.</p> <p>City of Lake Elsinore coordination and timely removal of fish during fish die-off events.</p> <p>City of Lake Elsinore fair share contribution to alum project for Canyon Lake.</p> <p>City of Lake Elsinore implementation of post construction BMPs in City Capital Improvement Projects.</p> <p>City of Lake Elsinore publication in 2x yearly citywide activity book information on stormwater pollution prevention.</p> <p>City of Lake Elsinore distribution of Pet Waste flyers at annual Pet Walk event.</p> <p>EXHIBIT 11.1Speaking with and sending annual mailing to mobile businesses</p>
Menifee	<p>The City is an active member of the LE/CL TMDL Task Force and contributes to regional projects focused on nutrient reduction, such alum addition to Canyon Lake, the Lake Elsinore Aeration and Mixing System, in-lake and watershed-wide monitoring, and fisheries management. Additionally, the City implements several jurisdictional programs that contribute to the reduction of nutrient loads. These programs include street sweeping, MS4 debris removal, ordinances related to landscape and irrigation requirements, various inspection programs, septic system management, public education, and WQMP implementation.</p>
Moreno Valley	<p>The City continues provides the option for new developments to ballot into a NPDES Regulatory Rate Schedule that funds the annual inspection, enforcement, and in some cases, maintenance, of structural BMPs installed on their property. The alternative being to set up an endowment to fund the same services. The City also maintains a CSA 152 Program which supplements the street sweeping and annual storm drain cleaning efforts. In addition, the City sends out private drainage course cleaning notifications, annually, before the rainy season, requiring private owners to maintain their private drainage structures.</p>
Perris	<p>The City of Perris has consistently participated in the TMDL Task Force since the inception. The City has taken a lead in the approach for quantifying WQMP BMP accounting for the TMDL nutrient calculations. In the past, the City has developed septic to sewer programs for older regions of the jurisdiction. This has removed a significant amount of the septic systems within the City.</p>
Riverside	<p>The City of Riverside is an active participant in the LE/CL TMDL Task Force. Together with the Task Force the City has contributed to programs that benefit the lakes. The City is an active participant in the task force, its monitoring programs, and other initiatives. These are well documented in the Task Force library.</p>
Riverside County	N/A

TABLE 13-1 PROGRAM IMPLEMENTATION AND EVALUATION FOR TMDL

<p>San Jacinto</p>	<p>The City continues to be an active participant in the Lake Elsinore / Canyon Lake TMDL Task Force. City staff and consultants provided various inputs during the revision of the TMDL document during FY18-19, as well as work to develop appropriate funding mechanisms to support the implementation of the CNRP, including the LEAMS system and Alum Applications. As a result of changes in the modeling for the TMDL, it was determined that the City of San Jacinto does not need to participate in the alum applications within Canyon Lake, since the modeling indicates that City flows that leave Mystic Lake are passing through Canyon Lake and entering into Lake Elsinore. As such, the City ceased participation in Alum Application funding and has commenced participation in the LEAMS system funding.</p>
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PROGRAM IMPLEMENTATION

14. PROGRAM EFFECTIVENESS ASSESSMENT

The Permittees assess the component programs to identify improvements to further effect the reduction of pollutants in urban runoff to the MEP while also supporting the responsible management and allocation of the public resources available to implement their programs. A quantitative and qualitative assessment of each Permittee's program can be found in the Permittee's individual Annual Report, located in **Appendix J**.

Evaluation of the DAMP includes short-term and long-term strategies. The long-term strategy for assessing effectiveness will focus on water quality data obtained as part of the CMP. Due to the inherent variability of urban runoff, years of monitoring data are necessary to identify statistically significant trends or draw conclusions on program effectiveness. Additionally, because (i) there are numerous program elements being implemented and revised concurrently, (ii) other environmental programs and regulations indirectly impact urban runoff, e.g., pesticide regulation, and (iii) numerous other climatological, man-made, and environmental changes occur within the watershed over time, the ability to identify specific cause-and-effect relationships between a specific program element and/or BMP and improvement in the quality of urban runoff is complicated, if not infeasible, in many cases.

The short-term strategy for assessing program effectiveness focuses on quantitative, indirect methods (that is, not directly based on the quality of urban runoff or receiving water quality) of assessment. Each year the District collects various metrics defined in the DAMP (as provided in the Annual Reporting Forms) to assist with program evaluation. On an annual basis, the District reviews the metrics to determine if any course corrections on existing BMPs are required.

Overall Program Assessment

The information in the tables below summarize the metrics collected, the requirements of the 2010 MS4 Permit addressed by the metric, and their associated outcome levels. The data collected for each of the measurable metrics are identified in the tables for each program and are required per the DAMP (see DAMP Appendix L). Each measurable metric in the tables is reported in the SAR Annual Report and assessed periodically. However, in reviewing the individual Permittee reports, the degree of variance between the individual reports suggests significantly differing perspectives between the Permittees, including interpretations of needed data. The Permittees recommend to the Regional Board, the development of an alternative assessment.

The effectiveness may be measured in terms of how successful the program has been in eliminating IC/IDs and/or reducing pollutant loads in urban storm water runoff, including summaries of Permittee actions to investigate and eliminate or permit IC/IDs and measures to reduce and/or eliminate the discharge of Pollutants, including trash and debris.

PROGRAM IMPLEMENTATION

As described in **Table 14-1** below, 1,088 IC/ID reports were received from the public, other agencies, businesses and Permittee staff. Of these reported IC/IDs, there were 52 notices of violations that were issued. Based on these metrics, the Permittees shall work on improving the IC/ID program by enhancing record keeping through means of exploring a GIS database to store such information.

The SAR MS4 Permit requires that the Permittees effectively prohibit the discharge of non-exempted non-stormwater into their MS4 facilities.

Table 14-1: Illicit Discharge Detection and Elimination Program Effectiveness

Measurable Metrics Collected	Data	CASQA Outcome Level
Number of IC/ID reports received (IX.A)	1,088	Level 1
Number of enforcement actions that reached each level of enforcement (IX.C)	Education and information: 330 Verbal warning: 104 Written warning: 198 Notice of violation or noncompliance: 52 Administrative Compliance Order: 49 Stop Work Order or Cease & Desist Order: 6 Civil Citation or Injunction: 3 Administrative fine: 1 Referral to Environmental Crimes Strike Force: 4	Level 3
Estimated volume of anthropogenic trash removed from Permittee MS4 facilities (tons) (IX.J)	14,459 tons	Level 4

PROGRAM IMPLEMENTATION

PERMITTEE FACILITIES AND ACTIVITIES PROGRAM EFFECTIVENESS ASSESSMENT

Table 14-2: Permittee Facilities and Activities Program Effectiveness

Measurable Metrics Collected	Data	CASQA Outcome Level
Number of Permittee facilities with appropriate BMPs identified (IV.B)	148	Level 2
Number of annual facility inspections that require follow-up actions (IV.C)	22	Level 3
Number of follow-up actions identified in the previous year's Permittee facility inspections that were addressed (XIV.C)	16	Level 3
Estimated tons of Waste removed by Permittee street sweeping (XIV.D & XIV.E)	11,415	Level 4
Estimated tons of Waste removed from Permittee Open Channels (XIV.D & XIV.E)	13,744	Level 4
Estimated tons of Waste removed from Permittee storm drain inlets (XIV.D & XIV.E)	715	Level 4

The Permittee Facilities and Activities Program have been effective in promoting implementation of appropriate BMPs in Permittee facilities and ensuring that the BMPs are inspected and maintained. The program has also been effective in removing waste and properly disposing of waste from Permittee streets and MS4 facilities.

PROGRAM IMPLEMENTATION

DEVELOPMENT PLANNING EFFECTIVENESS ASSESSMENT

Table 14-3: Development Planning Program Effectiveness

Measurable Metric Collected	Data	CASQA Outcome Level
Number of acres of Significant Redevelopment projects that incorporated LID-based BMPs that are built and completed (XII.D.2.a)	263	Level 5
Number of applicable planning staff that attended WQMP training (XV)	48	Level 1
Number of post construction BMPs properly maintained and operated (XII.K.5)	2,044	Level 3

Construction activity is increasing. As reflected in the table, the program is continuing to train Planning staff to ensure that new development and significant redevelopment projects are in compliance with the Development Planning Program. Also, the program has been maintaining and operating 2,044 post construction BMPs.

PROGRAM IMPLEMENTATION

PRIVATE DEVELOPMENT CONSTRUCTION ACTIVITY EFFECTIVENESS ASSESSMENT

Table 14-4: Private Development Construction Activity Program Effectiveness

Measurable Metrics Collected	Data	CASQA Outcome Level
Number of enforcement actions that reached each level of enforcement (XI.A.10)	Education and information: 1,141 Verbal warning: 410 Written warning: 306 Notice of violation or noncompliance: 17 Administrative compliance order: 0 Stop work order or cease and desist order: 6 Civil citation or injunction: 0 Administrative fine: 1 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0	Level 3
Number of active construction sites subject to Construction General Permit that are discovered without coverage ((XII.A.1)	0	Level 2
Number of illegal construction sites that are discovered (i.e., without building/grading permits) (XI.B.3.a)	3	Level 3
Number of construction inspection staff that attended Construction training (XV)	126	Level 1

As reflected in **Table 14-4**, the Private Construction program has been effective in educating the development community of the requirement to obtain building and grading permits and to obtain coverage under the Construction General Permit. Also, the program has been effective in providing Construction training to Co-Permittee construction inspection staff, prior to the wet weather season, to ensure that private development projects are properly operated and maintained.

PROGRAM IMPLEMENTATION

INDUSTRIAL AND COMMERCIAL SOURCES EFFECTIVENESS ASSESSMENT

Table 14-5: Industrial and Commercial Sources Program Effectiveness

Measurable Metrics Collected	Data	CASQA Outcome Level
Number of enforcement actions that reached each level of enforcement (XI.A.10)	Education and information: 2,208 Verbal warning: 528 Written warning: 196 Notice of violation or noncompliance: 13 Administrative compliance order: 0 Stop work order or cease and desist order: 0 Civil citation or injunction: 0 Administrative fine: 0 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0	Level 3
Number of active industrial sites subject to Industrial General Permit that are discovered without coverage (XI.A.4)	123	Level 2
Number of new/undocumented Industrial and Commercial facilities added to database (XI.C, XI.C.4)	646	Level 1
Number of applicable Industrial & Commercial Facility inspection staff that attended Industrial-Commercial training (XV)	60	Level 1

The Permittees continue to implement an effective Industrial and Commercial Sources program. Inspection staff effectively communicated compliance expectations with facility operators, and no facility required a formal enforcement action. To promote continued effectiveness of this program, facility inspection staff receives training. To assist the Permittees with the requirements for Industrial and Commercial facilities, the training material is reviewed and updated as necessary.

PROGRAM IMPLEMENTATION

RESIDENTIAL SOURCES EFFECTIVENESS ASSESSMENT

Table 14-6: Residential Sources Program Effectiveness

Measurable Metrics Collected	Data	CASQA Outcome Level
Gallons of used oil collected at collection events (XI.E.3)	175,897 gallons	Level 4
Total pounds collected at HHW/ABOP events (XI.E.3)	2,631,801 lbs.	Level 4
Total number of participants at HHW/ABOP events (XI.E.3)	29,067	Level 3
Number of residences in Permittee jurisdiction subjected to enforcement beyond verbal/written warnings	Education and information: 162 Verbal Warning: 65 Written warning: 35 Notice of violation or noncompliance: 26 Administrative compliance order: 4 Stop work order or cease and desist order: 0 Civil citation or injunction: 2 Administrative fine: 1 Referral to the Environmental Crimes Strike Force for criminal prosecution (infraction or misdemeanor): 0	Level 3

The Residential Sources Program continues to be effective in promoting proper disposal of waste materials that may potentially impact receiving water quality. This is reflected in the amount of used oil and waste collected at HHW/ABOP events.

**PROGRAM IMPLEMENTATION
PUBLIC EDUCATION EFFECTIVENESS ASSESSMENT**

The Santa Ana River Clean-Up event was a successful public education event with over 28,420 pounds of trash and bulky items collected the day of. Most of the material collected from the event is non-anthropogenic; trash does not appear to be a significant problem except at localized areas due to transient encampments. This event is categorized as a CASQA Effectiveness Level 3 as it is changing behavior.

The Public Education program was able to reach fifteen (15) schools in the Santa Ana Region with forty-six (46) pollution prevention presentations conducted to 4,557 elementary school students.

PROGRAM IMPLEMENTATION

15. SUMMARY OF ASSESSMENT & FUTURE SAR PROGRAM DEVELOPMENT

The Program was established in 1990 as a regulatory compliance collaboration between the Santa Ana Region Permittees who own and maintain drainage system infrastructure that discharges stormwater and urban runoff to tributary creeks, streams, and rivers as well as providing flood protection to the residents of Riverside County. Significant progress continues to be achieved with the development and implementation of projects and programs, at both regional and watershed scales, that are protective of surface water quality. Concurrently, the Permittees continue to actively seek collaborative opportunities to implement joint water resources focused projects that will both contribute to water quality protection and contribute to local water supply resiliency.

State of the Surface Water Environment

Parameters that most frequently exceeded the receiving water WQOs were consistent with historical results in the SAR and including the bacterial indicator *E. coli* and dissolved copper. Additionally, dissolved copper concentrations exceeded WQOs during at least one wet weather event at six of seven MS4 outfall stations. Historical exceedance frequencies in wet weather for *E. coli* range from 91 to 100% where the REC-1 beneficial use applies.

Dissolved copper exceedances were measured at six of seven MS4 outfall stations and the Temescal Channel at Main receiving water station during at least one wet weather event. Where statistically significant trends could be identified, the concentrations of dissolved copper are decreasing with time. The problem of dissolved copper in urban runoff due to brake pad dust is being addressed statewide through the true source controls measures of California State Bill 346. Due to these efforts the Permittees anticipate continued reduction in concentrations in the future.

Although nitrogen-nutrients have previously been identified as a regional pollutant of concern, nitrogen-nutrients were not found to be in exceedance of applicable WQOs during the 2018-2019 monitoring year, with the exception of one constituent exceedance at one station in dry weather. Only one nitrogen-nutrients exceedance was observed the prior year.

The 2018-2019 results for the other pollutants of concern, pH and dissolved lead, showed at least one exceedance of the WQOs or CTR WQOs. One wet weather sample from an outfall station exceeded pH objectives. Dissolved lead results from wet weather samples taken from three outfall stations exceeded the site-specific WQO (not the CTR WQO) for dissolved lead. With the exception of one dissolved lead exceedance of the Basin Plan WQO at Temescal Channel at Main during the 2017-2018 monitoring year, there have been no dissolved lead exceedances reported for receiving water stations since wet weather monitoring began at these locations. Total lead concentrations exhibited decreasing wet weather trends, potentially suggesting that historical sources of lead are slowly being addressed over the period of record.

Future Program Development

PROGRAM IMPLEMENTATION

Based on the findings of the environmental quality program and the program assessments presented in this report, the following program areas will be a focus of further development.

Plan Development

- Continue development of the Stormwater Conservation & Tracking Tool to track progress of LID and regional BMP implementation;
- Continue enhanced GIS mapping and analysis to determine opportunities for multi-objective watershed improvement projects and related funding strategies, and
- Continue meetings and outreach to candidate partner agencies and special districts to enable multi-benefit/multi-partner project planning efforts.

Municipal Activities

- The District will continue to provide as-needed technical support to the Permittees related to Trash Amendments implementation, and
- Implement updated Municipal Activities training through a learning management system platform.
- The District will be conducting Stormwater Program Manager 101 training for new NPDES staff.

Industrial and Commercial Sources

- In the FY 2016-2017 reporting year, databases were raised as an issue when Permittees were audited by the Santa Ana Regional Board. In response to this audit, the District researched options and developed a Geographical Information System (GIS) – based database to be used by the Permittees that elected this option since 2017. The District will continue to support and promote the use of this database, and
- Implement updated Industrial and Commercial Activities training through a learning management system platform.

New Development

- The District's LID bioretention basin was retrofitted in order to improve performance of pollutant removal and volume reduction. This retrofit included a new design of the basin implementing different soil media type, plant types and configuration. The District will continue to conduct monitoring of the basin and incorporate additional BMP technologies into the campus for evaluation.
- The District as Principal Permittee will continue to participate in Western Riverside Council of Governments (WRCOG) steering committee for development of a Model Stormwater Compliance Credit Program (SWCCP) Guidance Manual intended to enable regional BMP projects as a compliance alternative to on-site mitigation for land development and redevelopment projects.
- The District as Principal Permittee shall continue implementing the HMP Evaluation Program and evaluate application of aerial drone technology to channel morphology

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monitoring.

- The Permittees will continue meetings of the Land Development Sub-Committee to exchange ideas, experiences on various land development topics and propose revisions to the WQMP to be submitted alongside this Annual Report for Santa Ana Regional Board approval.

Illicit Connection/Illegal Discharge

- The Permittees shall work on improving the IC/ID program by enhancing record keeping through means of exploring a GIS database to store such information, and
- Implement updated Illicit Connection/Illegal Discharge training through a learning management system platform.

Public Education

- The Permittees will implement the five-year Public Education Strategic Plan which will apply Community Based Social Marketing Principles to the issue of dry weather flow abatement.
- The Permittees and other stakeholders (such as the water districts) will continue to convene the regional Public Education Strategic Taskforce group that meets on a quarterly basis to communicate ideas on enhancing public education across all three watersheds.
- Enhanced use of social media.

Watershed Planning and TMDLs

- The MSAR Permittees will continue to address bacterial indicators in the MSAR through participation in the MSAR Task Force.
- The District will move forward with projects to divert dry weather flows to the sanitary sewer system from MSAR outfalls in an effort to address the bacteria TMDL. The proposed dry weather flow diversion projects include Phoenix Storm Drain in the City of Riverside and Eastvale MDP Lines D and E in the City of Eastvale.
 - The District partnered with the City of Riverside and hired a consultant to prepare 60% design plans for Phoenix Storm Drain.
 - For Eastvale MDP Lines D and E, the District continues to work with the Jurupa Community Services District (JCSD) and completed water quality monitoring intended to determine if low flows meet JCSD's water quality acceptance criteria.
- The Lake Elsinore/Canyon Lake Permittees will continue to address eutrophication in the San Jacinto River watershed through participation in the LE/CL Task Force.
 - The LE/CL Permittees in conjunction with the LE/CL Task Force submitted the TMDL Technical Revision Document in December 2018 to the Santa Ana Regional Board in order to begin the process for the LE/CL TMDL revision.

Monitoring

The Permittees will continue to improve the quality of the monitoring program by:

- Participating in regional monitoring programs and technical groups designed to address health in the SAR.

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- Using new technologies, such as enhanced databases and Geographic Information System (GIS)-based tools, to help increase data collection automation and accuracy; which makes data management, quality assurance and quality control (QA/QC) review, and data assessment more efficient.
 - Since 2017 the District continues the use of a new Geographic Information System (GIS) field data collection tool called Survey123. The electronic interface allows field crews to record data quickly in the field and for other personnel to efficiently compile, review, filter, and analyze entries. The District will continue to refine and expand the capabilities of the Survey123 tool.
 - In 2017, the District acquired a new database management system. As it is currently being used, Kisters Water Quality Module (KiWQM), facilitates automated QA/QC checks, maintains and allows for import of the field data collected via the Survey 123 application, and has improved overall efficiency in data collection and processing. In the future, the capabilities and use of this system will continue to be tested, refined and expanded (as appropriate), based on lessons learned during each year of use and the needs of the monitoring programs. Improvements will include having the ability to create and edit customized graphs and reports, further automate QA/QC checks, automate comparisons to water quality objectives, maintain laboratory quality control data and utilize ESRI compatible mapping capabilities.
- Proactively working with field staff and laboratories on QA/QC.
 - Updating the SAR Monitoring Plan (CMP Volume IV) to reflect lessons learned during the 2010 Permit term

The Permittees continue to seek out additional means to improve the monitoring program. Looking forward, recommended next steps to the SAR Monitoring Program are outlined in Section 11-7.0.