

**SUBMITTAL TO THE FLOOD CONTROL AND
WATER CONSERVATION DISTRICT
BOARD OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**



ITEM: 11.3
(ID # 12965)

MEETING DATE:
Tuesday, July 14, 2020

FROM: FLOOD CONTROL DISTRICT AND General Manager-Chief Engineer:

SUBJECT: FLOOD CONTROL DISTRICT: PUBLIC HEARING - Adopt Resolution F2020-15
Confirmation of the FY 2020-21 Benefit Assessments for the Santa Margarita
Watershed, Districts 1, 3 and 5. [\$0]

RECOMMENDED MOTION: That the Board of Supervisors:

1. Conduct the public hearing concerning the Engineer's Report on the National Pollutant Discharge Elimination System Program for the Santa Margarita Watershed Benefit Assessment Area, dated July 2020; and
2. If at the conclusion of the hearing a majority protest has not been received, adopt the following Resolution: Resolution No. F2020-15 Adopting and Confirming Each and All Assessments on Property in the Santa Margarita Watershed Benefit Assessment Area Pursuant to Ordinance No. 14 Providing for the Establishment and Levy of Benefit Assessments for the National Pollutant Discharge Elimination System (NPDES) Stormwater Program.


ACTION: Policy, Clerk to Advertise

MINUTES OF THE BOARD OF SUPERVISORS

On motion of Supervisor Jeffries, seconded by Supervisor Hewitt and duly carried by unanimous vote, IT WAS ORDERED that the above matter is approved as recommended.

Ayes: Jeffries, Spiegel, Washington, Perez and Hewitt
Nays: None
Absent: None
Date: July 14, 2020
xc: Flood

Kecia R. Harper
Clerk of the Board

By: 
Deputy

**SUBMITTAL TO THE FLOOD CONTROL AND WATER CONSERVATION DISTRICT BOARD
OF SUPERVISORS
COUNTY OF RIVERSIDE, STATE OF CALIFORNIA**

FINANCIAL DATA	Current Fiscal Year:	Next Fiscal Year:	Total Cost:	Ongoing Cost
COST	\$0	\$0	\$0	\$0
NET COUNTY COST	\$0	\$0	\$0	\$0
SOURCE OF FUNDS: N/A			Budget Adjustment: N/A	
			For Fiscal Year:	20/21

C.E.O. RECOMMENDATION: Approve

BACKGROUND:

Ordinance No. 14 controls the District's procedures and implementation of the various Benefit Assessments within the County of Riverside. Article IV. Section 4, of Ordinance No. 14, requires the Board of Supervisors to hold a public hearing on the Benefit Assessment, and after considering all testimony presented, to confirm, revise, change, reduce or modify the assessment and thereafter confirm by resolution the final assessment. All of the requirements of District Ordinance No. 14 providing for the establishment and levy of the Fiscal Year 2020-21 Benefit Assessments have been satisfied; therefore, the public hearing may be closed and the assessments levied.

Impact on Residents and Businesses

The financial impact to property owners is outlined in the Engineer's Report and Benefit Assessment Tax Rolls. The proposed benefit assessment rate for Fiscal Year 2020-21 is \$4.00 per Benefit Assessment Unit; this is equal to the Benefit Assessment that was enrolled and levied for Fiscal Year 1996-97 and all subsequent years.

ATTACHMENTS

1. SM BA Engineer's Report FY 2020-21
2. SM BA Resolution No. F2020-15

CW:cw
MT #12965
P8/231051


Jason Farin, Principal Management Analyst 7/7/2020


Gregory H. Priamos, Director County Counsel 6/29/2020

PLEASE COMPLETE THIS INFORMATION

RECORDING REQUESTED BY:

KECIA HARPER, CLERK OF THE BOARD
RIVERSIDE CO. CLERK OF THE BOARD
4080 LEMON STREET, 1ST FLOOR CAC
P O BOX 1147 – RIVERSIDE, CA 92502

MAIL STOP # 1010

AND WHEN RECORDED MAIL TO:

RETURN TO: STOP #1010
RIVERSIDE COUNTY CLERK OF THE BOARD
P. O. BOX 1147 – RIVERSIDE, CA 92502

2020-0348153

08/03/2020 01:53 PM Fee: \$ 0.00

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Recorded in Official Records
County of Riverside
Peter Aldana
Assessor-County Clerk-Recorder



368

THIS SPACE FOR RECORDERS USE ONLY

RESOLUTION NO. F2020-15

Title of Document

**ADOPTING AND CONFIRMING EACH AND ALL ASSESSMENTS ON PROPERTY IN
THE SANTA MARGARITA WATERSHED BENEFIT ASSESSMENT AREA PURSUANT
TO ORDINANCE NO. 14 PROVIDING FOR THE ESTABLISHMENT AND LEVY OF
BENEFIT ASSESSMENTS FOR THE NATIONAL POLLUTANT DISCHARGE
ELIMINATION SYSTEM (NPDES) STORMWATER PROGRAM**

(Flood Control & Water Conservation District ~ Item 11.3 of 07/14/2020)

BOARD OF SUPERVISORS

**RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT**

RESOLUTION NO. F2020-15

ADOPTING AND CONFIRMING EACH AND ALL ASSESSMENTS ON PROPERTY IN THE SANTA MARGARITA WATERSHED BENEFIT ASSESSMENT AREA PURSUANT TO ORDINANCE NO. 14 PROVIDING FOR THE ESTABLISHMENT AND LEVY OF BENEFIT ASSESSMENTS FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PROGRAM

WHEREAS, the California Regional Water Quality Control Board - San Diego Region, on behalf of the Federal Environmental Protection Agency ("EPA"), and consistent with Section 402 of the Federal Clean Water Act, as amended, and the regulations promulgated by the EPA pursuant thereto, has issued an area-wide stormwater discharge permit under the National Pollutant Discharge Elimination System ("NPDES Permit") to the Riverside County Flood Control and Water Conservation District ("District"), the County of Riverside and certain cities within the Santa Margarita Watershed that are within the District's jurisdiction, and has named the District as the "Principal Permittee"; and

WHEREAS, under existing state and federal regulations, the District must obtain and comply with the provisions of the NPDES Permit in order to legally discharge stormwater from its flood control and stormwater drainage facilities; and

WHEREAS, the NPDES Permit requires the District to develop, implement, and manage specific compliance programs dealing with stormwater runoff that will benefit all property within the Santa Margarita Watershed that lies within the District's jurisdiction; and

WHEREAS, the District's Board of Supervisors ("Board") on May 14, 1991 adopted Resolution No. F91-22 pursuant to the provisions of Section 14 of the Riverside County Flood Control and Water Conservation District Act, which is Appendix 48 to the California Water Code ("District Act"), and pursuant to Ordinance No. 14 that formed a Benefit Assessment Area ("Benefit Assessment Area") which encompasses all territory within the District's jurisdiction that is within the Santa Margarita Watershed as described in Ordinance No. 14, and has levied annually thereon a Benefit Assessment ("Benefit Assessment") to pay the District's annual costs associated with the NPDES Permit; and

07.14.2020 11.3

FORM APPROVED COUNTY COUNSEL
BY: AARON C. GETTIS
DATE: 5/6/20

1 **WHEREAS**, the Benefit Assessments collected are principally used to finance capital
2 costs and to maintain and operate the flood control system as required by the terms of said Permit
3 and must be expended in the Benefit Assessment Area in which they are collected; and

4 **WHEREAS**, the District initially levied the Benefit Assessment for 1991-92 Fiscal Year
5 and has levied the Benefit Assessment in each successive fiscal year; and

6 **WHEREAS**, the voters of California on November 5, 1996 approved Proposition No. 218
7 which added Article XIID to the California Constitution ("Article XIID") effective November 6,
8 1996; and

9 **WHEREAS**, Section 5(a) of Article XIID provides in pertinent part that "...any
10 assessment imposed exclusively to finance the capital costs or maintenance and operation expenses
11 for...flood control and drainage systems..." shall be exempt from the procedures and approval
12 process set forth in Section 4 of Article XIID until the assessment is increased; and

13 **WHEREAS**, the Benefit Assessment proposed to be levied and enrolled for the 2020-21
14 Fiscal Year is not greater than the Benefit Assessment that was levied for the 1996-97 Fiscal Year
15 and all subsequent years;

16 **WHEREAS**, at a duly noticed hearing as required by Ordinance No. 14, the Board heard
17 and considered all protests with respect to the amount of the Benefit Assessment to be levied for
18 the 2020-21 Fiscal Year.

19 **NOW THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED** by the
20 Board of Supervisors of the Riverside County Flood Control and Water Conservation District,
21 County of Riverside, State of California, in regular session assembled on July 14, 2020 as follows:

22 Section 1. The above recitals are true and correct.

23 Section 2. That a public hearing has been duly held on this date, and that each and every
24 step in the proceedings as required by the District Act and Ordinance No. 14 has been duly taken
25 and all protests considered, and that the Board does hereby close the public hearing.

26 Section 3. That the Board does hereby make its determination upon each parcel in the
27 Benefit Assessment Area as described in the Engineer's Report entitled "Engineer's Report to the
28 Board of Supervisors of the Riverside County Flood Control and Water Conservation District on

1 the NPDES Program for the Santa Margarita Watershed Benefit Assessment Area" ("Engineer's
2 Report"), dated July 2020, filed with the Board pursuant to Ordinance No. 14, and that the Board
3 does hereby confirm each and all Benefit Assessments on such parcels and thereby levies a Benefit
4 Assessment in the Benefit Assessment Area of the District for the Fiscal Year 2020-21 at a rate of
5 \$4.00 per benefit assessment unit.

6 Section 4. Pursuant to Section 5(a) of Article XIID, compliance with the procedures set
7 forth in Section (4) of Article XIID is not necessary and there will be no increase in the Benefit
8 Assessment to be enrolled for the 2020-21 Fiscal Year over the Benefit Assessment enrolled for
9 the 1996-97 Fiscal Year and all subsequent years.

10 Section 5. That a copy of this Resolution duly certified by the Clerk of this Board be
11 recorded in the Office of the Recorder of the County of Riverside, and a copy of this Resolution
12 duly certified by the Clerk of this Board and the Engineer's Report be filed with the
13 Auditor/Controller of the County of Riverside.

14 ROLL CALL:

15 Ayes: Jeffries, Spiegel, Washington, Perez and Hewitt
16 Nays: None
17 Absent: None

18 The foregoing is certified to be a true copy of a resolution duly
19 adopted by said Board of Supervisors on the date therein set forth.

20 Kecia R. Harper, Clerk of said Board

21 By *Priscilla Raso*
22 Deputy



28

ENGINEER'S REPORT
TO THE
BOARD OF SUPERVISORS
OF THE
RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
ON THE
NPDES PROGRAM
FOR THE
SANTA MARGARITA WATERSHED
BENEFIT ASSESSMENT AREA
JULY 2020

JASON E. UHLEY
General Manager-Chief Engineer



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- APPENDIX B – RCFC&WCD Ordinance No. 14 (May 14, 1991)**
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Benefit Assessment Area (SMWBAA)**
- APPENDIX D – SMWBAA Assessment Roll (FY 2020-21)
(Under Separate Cover)**

INTRODUCTION

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

The Riverside County Flood Control and Water Conservation District (District) service area encompasses portions of three major watersheds (drainage areas): the Santa Ana River, Santa Margarita River, and Whitewater River Watersheds. The discharge of stormwater from MS4s within each of these three watersheds is regulated pursuant to an NPDES MS4 Permit (NPDES Permit) administered by a separate CRWQCB. **The District must comply with the provisions of these NPDES Permits in order to legally operate and maintain its flood control and drainage system infrastructure.** The USEPA and the CRWQCB can impose significant penalties for non-compliance. In addition, private citizens can pursue enforcement actions under the Federal CWA.

In the Santa Margarita Region (SMR), the District, along with the County of Riverside (County) and the City of Temecula (Co-Permittees), obtained an "early"¹ NPDES Permit from the CRWQCB - San Diego Region (Regional Board) on June 16, 1990 (first-term SMR Permit). The Regional Board added the then newly incorporated City of Murrieta as a Co-Permittee to the Permit on May 18, 1992. This first-term SMR NPDES Permit was considered a "Developmental Permit". The Co-Permittees were authorized to continue discharging stormwater from their MS4 while developing various elements of an area-wide stormwater management program. The Permit identified the District as Principal Permittee, and the County and Cities of Temecula and Murrieta as Co-Permittees (collectively, the Principal Permittee and Co-Permittees comprise the Riverside County Permittees). The area-wide stormwater management program was documented in the 1993 Drainage Area Management Plan (1993 DAMP).

Although the first-term SMR Permit "expired" on June 16, 1995, its provisions remained in effect in accordance with the applicable provisions of the NPDES Permit Program regulations until the Regional Board adopted a second-term SMR NPDES Permit (Board Order No. 98-02) on May 13, 1998. However, USEPA Region IX raised an objection to specific language that was included in Board Order No. 98-02 at the direction of the SWRCB. Region IX subsequently took action to issue its own NPDES Permit (CAS0108766) in accordance with the Memorandum of Agreement between Region IX and the SWRCB and the Phase I NPDES MS4 regulations at 40 CFR123.44 (h). On June 25, 1999, Region IX "returned" the NPDES Permit which it had issued to the Regional Board for implementation. On November 8, 2000, the Regional Board issued Addendum No. 1 to Board Order No. 98-02, which incorporated, by reference, the USEPA NPDES Permit into their Board Order.

¹ The term "early" is used to indicate permits that were issued prior to the promulgation of the final USEPA rules for permitting municipal stormwater discharges [40CFR122.26, November 1990].

In general, both Board Order No. 98-02 and the USEPA NPDES Permit validated the Riverside County Co-Permittees' overall stormwater management efforts by incorporating the major elements of the 1993 DAMP and other stormwater management program elements that the Co-Permittees had subsequently developed. However, both Board Order No. 98-02 and the USEPA NPDES Permit imposed additional programs and activities that the Riverside County Co-Permittees were required to implement in accordance with specified time schedules in order to achieve compliance with Board Order No. 98-02, the USEPA NPDES Permit, and the CWA. Board Order No. 98-02 expired on November 30, 2003. The Riverside County Co-Permittees submitted a Report of Waste Discharge (ROWD) to the Regional Board on May 30, 2003, requesting renewal of the SMR Permit. On June 14, 2004, the Regional Board adopted Board Order No. R9-2004-001, the third-term SMR Permit.

The third-term SMR Permit required several additional or expanded program elements, such as strict control on new developments, expanded construction, industrial and commercial inspection programs, and a new emphasis on water quality monitoring and program effectiveness evaluations. Compliance programs were developed or expanded to address the third-term SMR Permit between June 2004 and June 2005.

The Riverside County Co-Permittees submitted a ROWD to the Regional Board on January 15, 2009, requesting renewal of the SMR Permit by the Regional Board. The Regional Board responded to the ROWD and permit renewal process on February 18, 2010. The District and Riverside County Co-Permittees worked with the Regional Board to develop the fourth-term SMR Permit which was adopted on November 10, 2010 (2010 Permit) and included the newly incorporated City of Wildomar as a Co-Permittee.

From 2012 to 2015, although regulated under the 2010 Permit at the time, the Riverside County Co-Permittees coordinated with the San Diego County and South Orange County Permittees in responding to Regional Board staff proposals in their development of a Regional NPDES Permit (Regional MS4 Permit). The Regional MS4 Permit required a paradigm shift from traditional jurisdiction-based Permit requirements to watershed-based, outcome-oriented requirements. The Regional MS4 Permit was adopted in May 2013; in May 2015, the Riverside County Co-Permittees submitted a ROWD requesting renewal of the SMR Permit. The Regional MS4 Permit regulates Co-Permittees within San Diego and Orange Counties, and as of November 18, 2015, now regulates Riverside County Co-Permittees. The Regional MS4 Permit expired on June 27, 2018 but has been administratively extended until it is reissued. On December 27, 2017, the Riverside County Co-Permittees submitted a ROWD requesting renewal of the SMR Permit. Most recently, the Regional Board stated that they expect to begin the permit renewal process in late 2020.

Since issuance of the first-term SMR Permit in 1990, the Riverside County Co-Permittees' Stormwater Management Program has been guided by the following principles:

1. Utilize existing Co-Permittee departments/programs to meet NPDES Permit requirements whenever possible.
2. Minimize duplication of effort through coordinated Co-Permittee compliance actions.
3. When necessary, develop new or expanded stormwater management programs that are both cost effective and acceptable to the public.

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

As Principal Permittee, the District serves as liaison to the Regional Board on general Permit issues, and is required to coordinate MS4 Permit activities and facilitate collaboration on development and implementation of programs required by the MS4 Permit.² As such, the costs of the District's various NPDES Permit compliance activities fluctuate from year to year. Although some expenses do not change significantly on a yearly basis, certain costs are cyclical (e.g., preparing ROWDs and negotiating NPDES permit provisions), while expenses associated with collecting water samples and laboratory analysis may vary according to the amount of rainfall occurring in a given year or in response to certain information requests from the Regional Board. Costs associated with the development, production, and distribution of public education materials are not always incurred on a Fiscal Year basis (FY). Occasionally, additional consultants and/or legal services may be needed to assist the District with the development of a particular Permit requirement or program activity. Also, certain activities or programs may be expanded or curtailed from time to time and, occasionally, new programs or activities must be developed and implemented.

Currently, the regulation and management of stormwater runoff is a topic of increasing interest amongst the public, municipalities, regulatory authorities, and legislators. Although new laws and/or regulations could result in changes to the assessment rate in future years, **the proposed assessment rate for Fiscal Year 2020-21 is equal to or less than the assessment rate that was enrolled and levied since Fiscal Year 1996-97.**

² Section G, Order No. R9-2013-0001, as amended by Order Nos. R9-2015-0001 and R9-2015-0100

APPORTIONMENT METHODOLOGY

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

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

CURRENT YEAR ASSESSMENTS (FY 2019-20)

In July 2019, the District's Board of Supervisors confirmed a benefit assessment rate for FY 2019-20 of \$4.00 per BAU. Following is a summary of FY 2019-20 assessments:

Rate	Billed Parcels	BAUs	Assessments	Corrections	Amount Paid⁽²⁾⁽³⁾
\$4.00	90,132	144,783	\$578,772 ⁽¹⁾	\$0	\$523,218

⁽¹⁾ Amount reflects actual total assessments on all parcels. Total may vary due to rounding.

⁽²⁾ Through May 26, 2020 provided by the County of Riverside Auditor-Controller.

⁽³⁾ Includes payments received for direct billed parcels.

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

RECOMMENDED BENEFIT ASSESSMENT RATES (FY 2020-21)

The District recommends that for FY 2020-21, the SMWBAA assessment rate remain unchanged at \$4.00 per BAU. This BAU rate would result in an equivalent charge per acre for the following land uses:

Group	Land Use Category	BAU/Acre	Assessment Rate*
A	Commercial, Industrial	12	\$48.00/acre
B	Apartments/Mobile Home Parks, Churches and Schools	9	\$36.00/acre
C	Single-family Residential	6**	\$24.00/acre
D	Agricultural/Vacant Undeveloped	Exempt	\$0.00/acre
E	Golf Courses	0.10	\$0.40/acre
F	Undeveloped Portions of Parcels	0.05	\$0.20/acre

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

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

The projected revenue for FY 2020-21, using the proposed benefit assessment rate of \$4.00 per BAU is as follows:

Rate	Parcels⁽¹⁾	BAUs	Assessment⁽¹⁾⁽²⁾	Projected Revenue⁽³⁾
\$4.00	90,132	144,783	\$578,772	\$549,833

⁽¹⁾ Based on FY 2019-20 Assessor's information.

⁽²⁾ Totals may vary due to rounding.

⁽³⁾ Assumes a 5.0% delinquency rate.

The projected revenue along with any remaining portion of the ending fund balance from FY 2019-20 will fund the District's NPDES Stormwater Management Program activities for the Santa Margarita Watershed area in FY 2020-21. The proposed FY 2020-21 budget is presented in Appendix A.

During the early years of the NPDES Program, there were many uncertainties regarding startup costs (consultant costs, amount of sampling that would be required, overall program scope, etc.) since the program was new for both the regulatory authorities and the Permittees. Consequently, the initial assessment rates were set conservatively to ensure that all permit obligations could be met. To date, the District has been able to maintain a modest fund balance since the benefit assessments were first levied in FY 1991-92. The District is reducing the fund balance by maintaining the current assessment rate while sustaining expenditure levels that are slightly above projected revenues. It should also be noted here that the current trend in California is toward more stringent regulation of municipal stormwater runoff, and with the newly effective Regional MS4 Permit, it is expected that the District's NPDES Permit compliance costs will increase significantly in FY 2020-21 and in the coming years.

ASSESSMENT ROLL

The SMWBAA Assessment Roll provides a listing by Assessor's Parcel Number of the proposed FY 2019-20 Benefit Assessment to be levied on each parcel of property in the SMWBAA. The Assessment Roll is identified as Appendix D and incorporated herein by this reference. This Engineer's Report along with the SMWBAA Assessment Roll will be placed at the following locations for review by the public:

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

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

City of Murrieta
1 Town Square
Murrieta, CA 92562

City of Temecula
41000 Main Street
Temecula, CA 92590

**The Engineer's Report may also be viewed or downloaded at
<http://content.rcflood.org/NPDES/SantaMargaritaWS.aspx>**

NPDES PROGRAM HIGHLIGHTS (FY 2019-20)

The following tasks were accomplished or are ongoing for the year ending June 30, 2020 in compliance with the Regional MS4 Permit:

- A. Pursuant to Provision B of the Regional MS4 Permit, the Riverside County Co-Permittees completed development of the SMR Water Quality Improvement Plan (WQIP). The WQIP is a watershed-based plan that addresses the entire SMR Watershed Management Area (SMR WMA), including land area and facilities within the jurisdiction of the Riverside County Co-Permittees, City of Menifee, and the County of San Diego, in which Co-Permittees must assess all watershed streams and known pollutant sources, prioritize water quality issues, and then set forth an adaptive management process to implement strategies to address the highest priority water quality issues. The WQIP was developed through a transparent process involving extensive collaboration with watershed stakeholders and the public. The WQIP was submitted for review and comment by the Regional Board and the public in three parts. The first deliverable was submitted on January 7, 2016, the second deliverable was submitted July 7, 2017, and the final WQIP was submitted on January 5, 2018. The WQIP was then revised to address Regional Board comments and resubmitted in October 2018. Regional Board accepted the WQIP on November 27, 2018.

Pursuant to Provision B of the Regional MS4 Permit, the Riverside County Co-Permittees elected to perform the optional Watershed Management Area Analysis (WMAA). The WMAA is a watershed-scale analysis that identifies important characteristics, such as hydrologic processes categories and stream descriptions. The WMAA identifies candidate projects with the potential to provide offsite alternative compliance options. The WMAA evaluated three selected large stream reaches to determine whether they were currently experiencing impacts from hydromodification or were likely to experience such impacts in a future "full buildout" condition. The WMAA recommends hydromodification exemptions for two large streams (Murrieta Creek and the Santa Margarita River) and provide quantitative data and analyses to support the exemptions. Additional WMAA analyses were conducted in May and June 2018, and a revised version of the WMAA document was submitted with the WQIP in October 2018.

- B. The District began coordinating the work of the Santa Margarita River Nutrient Initiative Group (SMRNIG) in October 2018. The District coordinates and provides facilitation services for quarterly meetings of the SMRNIG's Stakeholder Advisory Group. This coordination had been provided by the County of San Diego for the past several years. The Regional Board, in conjunction with the USEPA and local stakeholders including the local agencies in the Santa Margarita River Watershed, formed the SMRNIG to investigate the conditions, sources of pollutants, loading capacity, and existing control requirements affecting the eutrophic conditions. Several long-term water quality monitoring projects have been implemented, and modeling of the Santa Margarita Estuary and watershed have been performed. The information is currently being used to develop a TMDL Alternative to address the pollutants and conditions affecting eutrophication within the estuary and the river. From 2012-18, the SMRNIG was funded largely through the Integrated Regional Water Management (IRWM) process and a Proposition 84 grant from the State of California with matching funding and in-kind services by the District, the County of San Diego, and U.S. Marine Corps (USMC) Base Camp Pendleton. The current technical work, which began in early 2019, is funded by the Regional Board with administrative support from the District.

- C. On May 9, 2019, the Regional Board issued Investigative Order No. R9-2019-0007: An Order Directing the Cities of Murrieta, Temecula, and Wildomar, the Counties of San Diego and Riverside, the Riverside Flood Control and Water Conservation District, and the United States Marine Corps Base Camp Pendleton to Design and Implement a Water Quality Improvement Monitoring and Assessment Program for Eutrophic Conditions in the Santa Margarita River Estuary and Watershed, California. Order R9-2019-0007 required these seven named agencies to develop a Monitoring and Assessment Workplan and submit the Workplan to the Regional Board for approval within six months. The Workplan was developed in coordination with the seven agencies and with review by the SMRNIG. The final Workplan was submitted November 8, 2019 and was approved by the Regional Board on January 30, 2020. The required monitoring activities for the SMR Estuary are being funded jointly by the seven named agencies under a Memorandum of Understanding (MOU). Additional monitoring required at three sites on the Santa Margarita River are being conducted independently by the County of San Diego, the USMC Base Camp Pendleton, and by the District. Monitoring is expected to commence in April and May of 2020.
- D. Until July 5, 2018, the District continued to implement the Standard Stormwater Mitigation Plan (SSMP) (referred to by the Riverside County Co-Permittees as a Water Quality Management Plan or WQMP), Template, and Guidance document for new development, in accordance with the 2010 Permit. However, pursuant to Provision E.3.d of the Regional MS4 Permit, the Co-Permittees updated the BMP Design Manual (BMPDM), which incorporates the WQMP and includes updated BMP design standards and development project requirements. The updated BMPDM was first submitted to the Regional Board on January 5, 2018. Following comments from the Regional Board received in March and May of 2018, the BMPDM and WQMP were finalized in June 2018, and became effective July 5, 2018. The Co-Permittees are currently implementing the updated BMPDM and WQMP per the Regional MS4 Permit.
- E. The District continued to implement the SMR Hydromodification Management Plan (HMP). The SMR HMP was developed by the Riverside County Co-Permittees in response to Provision F.1.h of the 2010 Permit to manage increases in runoff discharge rates and durations from Priority Development Projects (PDPs). Hydrologic and sediment supply performance standards that will support maintenance of geomorphic stability in channels receiving runoff from PDPs were developed in this process. The final draft HMP was submitted to the Regional Board on July 11, 2014, at which time the Riverside County Co-Permittees began implementation.
- F. The District continued implementation of the SMR Hydrology Model (SMRHM). The SMRHM became effective on July 11, 2014. The SMRHM is a tool that provides continuous simulation of peak flow runoff rates, from 10% of the 2-year runoff event up to the 10-year runoff event for PDPs. The software is a Hydrologic Simulation Program FORTRAN (HSPF) model that allows users to demonstrate compliance with the HMP performance standards through an interactive graphic user interface.
- G. The District continued hydromodification monitoring within the SMR as specified in the SMR HMP Monitoring Plan. The plan requires monitoring and assessing two streams in the SMR over time; data gathered will be used in conjunction with monitoring efforts required under the Regional MS4 Permit and will also be provided to several watershed stakeholders for use in special studies and/or stream restoration projects.

- H. The District developed and submitted a completed test claim on the 2010 MS4 Permit, pursuant to request from the Commission on State Mandates. In light of a recent Supreme Court ruling, the Commission agreed to review the original test claim filed by the SMR Co-Permittees in 2011 regarding costs incurred for 2010 MS4 Permit provisions which may be eligible for reimbursement from the state. The completed test claim was submitted to the Commission on April 28, 2017; hearing dates continue to be delayed, but it is currently scheduled for a hearing by the Commission on March 27, 2021.
- I. The District developed and submitted a completed test claim on the Regional MS4 Permit with the Commission on State Mandates. The test claim was submitted on June 30, 2017; hearing dates continue to be delayed, but it is currently scheduled for a hearing by the Commission on March 25, 2022.
- J. The District continued identifying and tracking impending draft policies and proposed legislation to inform regulators, policy makers, and the Co-Permittees of potential impacts to the Permit program or to any of its specific components.
- K. The District continued partnership and support in the Upper Santa Margarita Watershed Integrated Regional Watershed Management Group (USMWIRWMG). The Regional Watershed Management Group (RWMG) involves multiple agencies, stakeholders, individuals, and groups, and collaborates to apply for Propositions 1 and 84 grant funding through the Upper Santa Margarita Watershed Integrated Regional Watershed Management Plan (IRWMP) for planning projects within the SMR that would additionally help provide funding for compliance activities required by the 2010 Permit and Regional MS4 Permits.
- L. In 2019, the District prepared a Storm Water Resources Plan (SWRP) for the Upper Santa Margarita River Watershed (USMRW). The 2019 USMRW SWRP is an integrated plan that focuses on regional watershed-based stormwater priorities and on developing projects with multiple benefits in the Riverside County portion of the SMRWMA. The purpose of the SWRP is to guide development, facilitate implementation, and improve funding eligibility of stormwater projects that will provide benefits such as improved water quality, augmented water supply, and reduced flood risk. The SWRP also acts as a vehicle for agency collaboration to allow development of regional stormwater and dry weather runoff solutions. The SWRP was developed out of previous cooperative water management planning efforts in the Planning Area, which is also covered by the SMR WQIP. The SWRP works closely with the WQIP as well as the USMRW IRWMP. In December 2019, the SWRP was submitted for approval to the SWRCB and will be incorporated into the IRWMP.
- M. The District continued to chair the Santa Margarita Permit Technical Advisory Committee comprised of Riverside County and San Diego Co-Permittees and Regional Board staff. The Riverside County Co-Permittees coordinate their urban runoff management activities to work toward achieving the greatest protection of receiving water quality. This committee serves as a forum to effectively disseminate information, discuss regional and statewide program issues, and plan and coordinate Co-Permittee actions to achieve compliance with the Regional MS4 Permit.
- N. The District continued financial support to area-wide stormwater pollution prevention programs, such as the Household Hazardous Waste (HHW) temporary and permanent collection events and the "ABOP" (Anti-freeze, Batteries, Oil, and Paint) Program. These programs are provided through a Memorandum of Understanding and financial contributions to the Riverside County Department of Waste Resources.

- O. The District developed, prepared, and submitted a comprehensive WQIP Annual Report to the Regional Board on January 3, 2020. The WQIP Annual Report included extensive information provided in response to a program audit conducted by the Regional Board and in response to a Regional Board review of WQIP Annual Reports for all the Watershed Management Areas in the San Diego Region.
- P. The District continues to review and update the Low Impact Development (LID) BMP Design Manual, which is focused on landscape-based BMPs and infiltration BMPs capable of addressing identified water quality impairments in the Santa Margarita Watershed. The LID BMP Design Manual is available on the District's website.
- Q. The District continued collection and analysis of water quality samples in accordance with the Regional MS4 Permit's WQIP Monitoring and Assessment Program requirements for year one. Dry weather field screening is conducted at MS4 outfalls and water quality samples collected during wet and dry weather at MS4 outfalls are analyzed for required constituents. Water quality samples will be collected at receiving water stations and analyzed for required constituents in accordance with the program schedule for year four under the WQIP.
- R. The WQIP includes a Water Quality Monitoring and Assessment Program (MAP), which incorporates the requirements specified in the Regional MS4 Permit. The WQIP as accepted by the Regional Board replaces the prior monitoring plan previously referenced within Volume III of the District's Consolidated Monitoring Program (CMP). The CMP now serves as a reference document to the MAP and has been updated to reflect current Regional MS4 Permit requirements. This CMP contains a Quality Assurance Project Plan (QAPP) (Volume II) which specifies the general methods, procedures, quality assurance, and quality control requirements as relevant to the Riverside County MS4 Permit's monitoring requirements.
- S. The District continued participation in the Stormwater Monitoring Coalition (SMC), a regional monitoring group comprised of Southern California Phase 1 Municipal NPDES Permit holders whose focus is developing effective, meaningful stormwater quality monitoring techniques. The goal of the SMC is to develop the technical information necessary to better understand stormwater mechanisms and impacts, and then develop the tools that will effectively and efficiently improve stormwater decision-making. The SMC develops and funds cooperative projects to improve the knowledge of stormwater quality management and reports on the progress of those projects on an annual basis (<http://socalsmc.org/>). To date, the coalition has funded more than 30 research projects valued at \$18 million, underscoring the value of collaborative research. The newest master agreement was signed in October 2019 and spans five years. Under our newest agreement, the SMC executive steering committee has called for the development of a forward-looking research agenda that can guide the SMC's priorities and directions through 2024. To date, the District has served as SMC Vice-chair, on the Executive Steering Committee, on the Regional Bioassessment Survey Technical Subcommittee, and on the SMC California LID Evaluation and Analysis Network Technical Subcommittee.
- T. The District continued coordination with the SMC for the completion of the current five-year cycle of the southern California bioassessment monitoring program. This monitoring program was created in response to the need for a more holistic and coordinated approach for gathering information about the health of streams in southern California both for compliance purposes and data-sharing purposes as streams are an important natural resource. The study is designed to answer questions essential to watershed management. Answering

these questions at the regional scale provides resource managers with the ability to contextualize their programs and improve understanding of the effectiveness of management actions, prioritization of streams most in need of protection, and identification of stressors that are likely to pose the greatest risk to stream health. Based on the findings and lessons learned from the 2009-2013 and 2015-2019 regional monitoring efforts, a revised study design will be developed for 2020-2024. Two SMC monitoring stations have been monitored during the 2018-2019 monitoring year in the SMR. Two additional stations, long-term receiving water stations identified in the WQIP, will be monitored in spring of 2020, as representative of the SMR. Moving forward, the SMC is starting the planning process for the next cycle of regional monitoring as based on lessons learned from the prior study periods.

- U. The District continued to participate in the California Stormwater Quality Association (CASQA) on behalf of the Permittees. CASQA is a professional member association dedicated to the advancement of stormwater quality management through collaboration, education, implementation guidance, regulatory review, and scientific assessment. CASQA assists California's stormwater Permittees in developing, implementing, and maintaining effective stormwater quality management programs. To date, District staff have served on the CASQA Board of Directors, on the Executive Program Committee, as Legislative Subcommittee Co-Chair, Monitoring and Science Subcommittee Co-Chair, Policy and Permitting Subcommittee Co-Chair, and as a member of the BMP Subcommittee.
- V. The District continued active participation in the CASQA Pesticides Subcommittee. This subcommittee is tasked with facilitating changes to state and federal pesticides regulations that potentially improve processes for evaluating the environmental impacts of new pesticides on receiving waters. It is also focused on changing labeling and use requirements for existing pesticides, such as pyrethroids. This subcommittee has collaborated with the Water Boards in a coordinated statewide effort referred to as the Urban Pesticides Pollution Prevention Partnership. The goal to address the impacts of pesticides efficiently and proactively through the statutory authority of the Department of Pesticide Regulation and USEPA's Office of Pesticide.
- W. The District continued presentation of semi-annual municipal employee stormwater training programs. These training classes focus on the requisite knowledge for properly implementing the JRMP, WQMP, and HMP. The training classes also address Permittee functions such as development planning, municipal activities, industrial/commercial inspections, and construction inspections. In previous years all such training was conducted through in-person training events. The District has begun implementation of an online training program to allow for a more cost effective and convenient training platform for Co-Permittees.
- X. The District continued providing stormwater pollution prevention education and outreach by conducting educational presentations in local elementary schools throughout the County; participating in the annual Date Festival; supporting Permittee-sponsored community events such as Earth Day; and distributing BMP brochures addressing pollution prevention, recycling, proper disposal of household hazardous waste, runoff from construction activities, pet care, swimming pool discharges, jacuzzi and garden fountain maintenance, septic tank upkeep, professional mobile services, landscape and gardening activities, over-irrigation tips, the "Dos-and-Don'ts" of outdoor cleaning, and proper housekeeping practices for automotive facilities, restaurants, and commercial/industrial facilities.

- Y. The District continued operating and maintaining the District's NPDES website which provides information, resources, and important links for the Permittees, regulators, developers, business owners, the public, and in-house staff regarding the Permit, its compliance programs, compliance documents, monitoring and sampling, education and outreach, and more. The District has also redesigned its Public Education Watershed Protection website and updated the contents to be more effective at providing usable and interactive data that ultimately enhances the quality of the information.

- Z. The District continues to update the District's NPDES website to meet the Regional MS4 Permit requirements for the "Regional Clearinghouse". The Regional MS4 Permit requires all program documents and supporting documents to be accessible online. The website has been updated to provide links to all required documents and to link to the relevant section of the San Diego County NPDES website for the SMR Watershed Management Area.

- AA. In March 2020, the Governor and the County of Riverside Public Health Officer declared a health emergency due to the COVID-19 pandemic and issued several orders which included behavioral restrictions for the entire population, such as prohibiting gatherings of any size and following social distancing protocols. These restrictions are expected to impact implementation of some District activities.

PROGRAM/WORK ITEMS (FY 2020-21)

The Regional Board enrolled the Riverside County Co-Permittees into the Regional MS4 Permit on November 18, 2015; the Permit became effective for the Co-Permittees on January 7, 2016. Upon the Regional MS4 Permit's effective date, a two-year timeline began in which the SMR WMA WQIP must be developed and submitted for Regional Board approval; additionally, the JRMP and BMPDM are all required to be updated and submitted. Each of these Regional MS4 Permit compliance documents require significant public and stakeholder participation, review and comment, and extensive coordination with other WMA entities including the Riverside County Co-Permittees, County of San Diego, and City of Menifee. Implementation of the WQIP is expected to have significant impacts on Co-Permittee resources.

The following program activities will be emphasized for the coming year:

NPDES Permit Compliance Document Development Submittal

Pursuant to Regional MS4 Permit requirements, the Co-Permittees in the SMR WMA (Riverside County Co-Permittees, County of San Diego, and City of Menifee) have designated the District to be the Principal Watershed Co-Permittee for the SMR WMA; this means that in addition to assuring its own compliance with the Regional MS4 Permit, the District is also responsible for serving as liaison between WMA Co-Permittees and the Regional Board, and facilitating development and coordinating submittal of the primary Permit compliance documents for the WMA.

Regional MS4 Permit compliance reports which will be developed and submitted, including dates for submittal to the Regional Board are as follows:

- WQIP Annual Reports: due annually by January 31st after the WQIP has been accepted by the Regional Board
- WQIP Update: required by January 31, 2021

The District and the Co-Permittees will continue to implement the WQIP and the JRMP requirements. The District will also review and update the WQIP, the WMAA, the JRMP template, and the BMP Design Manual as needed. Costs to coordinate and develop the above stated plans and reports have been significant; the District's share of the cost for developing these compliance documents include SMWBAA funds.

Renewal of the Regional MS4 Permit

The District (in coordination with the Co-Permittees, the County of San Diego, and the County of Orange) submitted the ROWD as application for a renewed Regional MS4 Permit on December 27, 2017. It is expected that the process to renew the Regional MS4 Permit will begin in FY 2020-21. The District will lead the renewal activities on behalf of the Co-Permittees, including stakeholder coordination meetings and document development, review, and revision.

SMR WMA WQIP Implementation

The WQIP addresses water quality issues within the SMR WMA in a systematic fashion which is prescribed by the Regional MS4 Permit. The WQIP includes a complete assessment of watershed streams and outfalls, pollutant sources, extensive mapping, assessment of pollutant loads, and development of strategies for addressing the SMR WMA's identified highest priority water quality issues. The WQIP also includes a monitoring program and an adaptive management process. The WQIP is expected to serve as the cornerstone Regional MS4 Permit compliance document going forward into subsequent MS4 Permit terms.

Individual JRMPs

The District will continue to implement a JRMP that describes its specific runoff management programs and activities. Additionally, each Co-Permittee's JRMP must be updated to reflect the requirements of the Regional MS4 Permit. As Principal Co-Permittee, the District prepared a JRMP template to assist Co-Permittees with preparation of their own jurisdiction-specific documents. Using the JRMP template as a guide, the Co-Permittees prepared and submitted updated JRMPs to the Regional Board on January 5, 2018 and are updating and adapting these programs as needed.

HMP Implementation

In accordance with 2010 Permit and Regional MS4 Permit requirements, the Riverside County Co-Permittees developed an HMP to manage increases in runoff discharge rates and durations from certain Priority Development Projects. The HMP requires projects to have estimated post-project runoff discharge rates and durations that do not exceed pre-development discharge rates and durations. Modeling software, called the Santa Margarita Region Hydrology Model (SMRHM), was developed and finalized to perform the necessary calculations to estimate pre-development and post-project runoff discharge rates. Implementation of the HMP and SMRHM will continue in FY 2020-21, including the required hydromodification monitoring.

MS4 Program Management

As Principal Watershed Co-Permittee, the District coordinates the efforts of the other WMA Co-Permittees and facilitates regional compliance with certain aspects of the Regional MS4 Permit on behalf of the Riverside and San Diego County Co-Permittees. This includes acting as liaison between Co-Permittees and the Regional Board, chairing regular meetings of the SMR WMA Technical Advisory Committee, administration of area-wide programs (e.g., public education, household hazardous waste collection, hazardous material spill response, stormwater sample collection, and analysis), program development, and preparation and submittal of the Transitional JRMP Annual Report and Monitoring Annual Report to the Regional Board. The District will also continue its efforts on identifying and commenting on statewide issues that affect local stormwater programs.

Additionally, the District will continue to update and modify MS4 programs to address COVID-19 Riverside County Public Health Order(s) restrictions and maintain permit compliance.

Area-Wide MS4 Programs

The District will continue to provide financial support for several important "area-wide" BMP programs implemented on behalf of the Riverside County Co-Permittees. The programs currently include:

Public Education

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

Training for Municipal Employees

Municipal training programs are provided to improve understanding of NPDES Permit requirements and stormwater BMPs. The classes focus on methods to reduce and/or eliminate

sources of stormwater pollution from public agency facilities and activities, implementation of the WQMP and HMP, local stormwater ordinances, and Statewide NPDES Construction and Industrial General Permit requirements. Training is conducted specifically for construction inspection staff, industrial/commercial facilities inspection staff, municipal facilities maintenance staff, and staff responsible for new development/redevelopment project review.

Household Hazardous Waste Collection/ABOP

The District and Riverside County Co-Permittees provide financial support to the County Department of Waste Resources to support ongoing permanent and mobile HHW collection events and operation of the "ABOP" (Antifreeze, Batteries, used motor Oil, and latex Paint) Program, all of which provide local residents with opportunities to properly dispose of HHW.

Water Quality Monitoring

On behalf of the Riverside County Co-Permittees, the District will conduct wet weather sample collection from receiving water and outfall monitoring stations in accordance with the Regional MS4 Permit's Transitional Monitoring and Assessment Program until the WQIP is developed and adopted.

The Riverside County Co-Permittees have also been participating in a study to develop Numeric Nutrient Endpoints for a Santa Margarita River Nutrient Total Maximum Daily Load (TMDL) alternative. The District and Co-Permittees developed a new monitoring program to assess pollutant loading and impacts to the SMR Estuary to comply with the Regional Board Investigative Order issued May 9, 2019. The District is collaborating with the County of San Diego and the USMC Camp Pendleton to begin conducting the required monitoring in April 2020.

As required by the Regional MS4 Permit, the Riverside County Co-Permittees will develop and implement Special Studies work plans that are intended to be in alignment with addressing the high priority water quality conditions in the SMR under the WQIP.

Consolidated Monitoring Program

The District updated the Consolidated Monitoring Program (CMP) to describe the monitoring efforts that were implemented to comply with the 2010 Permit. The 2018 CMP updates, and 2019 QAPP errata as applicable to the WQIP include reference to the Water Quality Monitoring and Assessment Program (MAP) as part of the WQIP, which incorporates the requirements specified in the Regional MS4 Permit. These monitoring requirements pursuant to the Regional MS4 Permit's Transitional Monitoring and Assessment Program will continue to be implemented during FY 2020-21.

CONCLUSIONS AND RECOMMENDATIONS

The area-wide Municipal Stormwater Program for the Santa Margarita Watershed has been implemented in an efficient, cost-effective manner through the ongoing cooperative efforts of the District, the Riverside County Co-Permittees, the Regional Board, the Riverside County Fire Department, and Riverside County Department of Waste Resources. The District's NPDES Program activities, which are funded by these SMWBAA assessments, are required to comply with the Regional MS4 Permit and enforceable provisions of the California Water Code and the Federal Clean Water Act, which regulate the discharge of stormwater from MS4s. These mandatory stormwater management program activities are an essential component of the District's continuing operation and maintenance of its critical public safety facilities; therefore, the following action is recommended:

Levy a Flood Control Benefit Assessment in the Santa Margarita Watershed Benefit Assessment Area at an unchanged rate of \$4.00 per benefit assessment unit for FY 2020-21.

GLOSSARY

ABOP – Anti-freeze, Batteries, Oil, and Paint

BAU – Benefit Assessment Unit

BMP – Best Management Practice

CASQA – California Stormwater Quality Association

CMP – Consolidated Monitoring Program

CRWQCB – California Regional Water Quality Control Board

CWA – Clean Water Act

District – Riverside County Flood Control and Water Conservation District

FY – Fiscal Year

HAZMAT Team – Hazardous Materials Emergency Response Team

HHW – Household Hazardous Waste

HMP – Hydromodification Management Plan

IRWMP – Integrated Regional Watershed Management Plan

JRMP – Jurisdictional Runoff Management Plan

LID – Low Impact Development

MS4 – Municipal Separate Storm Sewer System

MRP – Monitoring and Reporting Program

NPDES – National Pollutant Discharge Elimination System

Board Order No. R9-2004-001 – An Order of the California Regional Water Quality Control Board – San Diego Region to regulate stormwater discharges from municipal stormwater facilities owned or operated by the District, County of Riverside, or the Cities of Murrieta and Temecula.

Board Order No. R9-2010-0016 – An Order of the California Regional Water Quality Control Board – San Diego Region to regulate stormwater discharges from municipal stormwater facilities owned or operated by the District, County of Riverside, or the Cities of Murrieta, Temecula and Wildomar.

Board Order No. R9-2013-0001 – See Regional MS4 Permit

Regional Board – San Diego Regional Water Quality Control Board

Regional MS4 Permit – An Order of the California Regional Water Quality Control Board – San Diego Region to regulate stormwater discharges from municipal stormwater facilities owned or operated by the District, County of Riverside, Cities of Murrieta, Temecula or Wildomar, County of San Diego and all incorporated Cities, and County of Orange and named incorporated Cities.

ROWD – Report of Waste Discharge

SA – Santa Ana

SAWPA – Santa Ana Watershed Project Authority

SMC – Southern California Stormwater Monitoring Coalition

SMR – Santa Margarita Region of Riverside County

SMRHM – Santa Margarita Region Hydrology Model

SMWBAA – Santa Margarita Watershed Benefit Assessment Area

SWRCB – California State Water Resources Control Board

SSMP – Standard Stormwater Mitigation Plan; same as WQMP

TMDL – Total Maximum Daily Load

USEPA – Environmental Protection Agency

USMRWVG – Upper Santa Margarita Watershed Regional Watershed Management Group

WQMP – Watershed Quality Management Plan; same as SSMP

WQIP – Water Quality Improvement Plan

WQO – Water Quality Objective

APPENDIX A

Proposed NPDES Program Budget (FY 2020-21)

APPENDIX A

**SANTA MARGARITA WATERSHED BENEFIT ASSESSMENT AREA
PROPOSED NPDES PROGRAM BUDGET (FY 2020-21)**

STAFFING

Salaries, Overtime and Benefits	\$559,722.34
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OVERHEAD

Administration Support	180,000.00
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Computer Workstation Usage	48,000.00
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Subtotal	\$228,000.00
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CONSULTANT SERVICES

NPDES Permit Administration	270,000.00
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Public Education & Outreach	55,000.00
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Training Program	50,800.00
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Water Quality Monitoring	816,000.00
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TMDLs	165,000.00
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Subtotal	\$1,356,800.00
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OTHER MS4 PROGRAM EXPENSES

NPDES Permit Administration: County Counsel/Vehicle Usage	40,000.00
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Public Education & Outreach Sponsorships	5,875.00
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Public Education & Outreach Materials	4,125.00
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Water Quality Monitoring	4,250.00
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District Permit Compliance	700.00
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Subtotal	\$54,950.00
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REGIONAL PROGRAMS AND MEMBERSHIPS

NPDES Permit Administration: CASQA Membership	3,605.00
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NPDES Permit Administration: HHW Program, SMC	50,000.00
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Subtotal	\$53,605.00
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PROGRAM SUBTOTAL

	\$2,253,077.34
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Contingency (10%)	225,307.70
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Assessor's/Treasurer's Office Line Item Charges (\$0.35/parcel) *	31,546.20
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County Fee for Annual Submittal *	<u>91.17</u>
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TOTAL EXPENDITURES

	\$2,510,022.41
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* Based on County's FY 2019-2020 collection charges. The County's FY 2020-2021 collection charges are not yet available.

APPENDIX B

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

APPENDIX C

Map of Santa Margarita Watershed Benefit Assessment Area

APPENDIX D

**SMWBAA Assessment Roll (FY 2020-21)
(Under Separate Cover)**



Peter Aldana
Riverside County
Assessor-County Clerk-Recorder
2724 Gateway Drive
Riverside, CA 92507
(951) 486-7000
www.riversideacr.com

Receipt: 20-252494-C1

Receipt corrected 8/3/20 2:02 PM by nolivas
252494-C1 - corrected the page count - NMO

Product	Name	Extended
951	RESOLUTION/ORDINANCE	\$0.00
	Document #	2020-0348153
	# Pages	29
Total		\$0.00
Change (Cash)		\$0.00

RECEIVED RIVERSIDE COUNTY
CLERK / BOARD OF SUPERVISORS

2020 AUG -5 AM 9:59

BOARD OF SUPERVISORS

**RIVERSIDE COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT**

RESOLUTION NO. F2020-15

ADOPTING AND CONFIRMING EACH AND ALL ASSESSMENTS ON PROPERTY IN THE SANTA MARGARITA WATERSHED BENEFIT ASSESSMENT AREA PURSUANT TO ORDINANCE NO. 14 PROVIDING FOR THE ESTABLISHMENT AND LEVY OF BENEFIT ASSESSMENTS FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORMWATER PROGRAM

WHEREAS, the California Regional Water Quality Control Board - San Diego Region, on behalf of the Federal Environmental Protection Agency ("EPA"), and consistent with Section 402 of the Federal Clean Water Act, as amended, and the regulations promulgated by the EPA pursuant thereto, has issued an area-wide stormwater discharge permit under the National Pollutant Discharge Elimination System ("NPDES Permit") to the Riverside County Flood Control and Water Conservation District ("District"), the County of Riverside and certain cities within the Santa Margarita Watershed that are within the District's jurisdiction, and has named the District as the "Principal Permittee"; and

WHEREAS, under existing state and federal regulations, the District must obtain and comply with the provisions of the NPDES Permit in order to legally discharge stormwater from its flood control and stormwater drainage facilities; and

WHEREAS, the NPDES Permit requires the District to develop, implement, and manage specific compliance programs dealing with stormwater runoff that will benefit all property within the Santa Margarita Watershed that lies within the District's jurisdiction; and

WHEREAS, the District's Board of Supervisors ("Board") on May 14, 1991 adopted Resolution No. F91-22 pursuant to the provisions of Section 14 of the Riverside County Flood Control and Water Conservation District Act, which is Appendix 48 to the California Water Code ("District Act"), and pursuant to Ordinance No. 14 that formed a Benefit Assessment Area ("Benefit Assessment Area") which encompasses all territory within the District's jurisdiction that is within the Santa Margarita Watershed as described in Ordinance No. 14, and has levied annually thereon a Benefit Assessment ("Benefit Assessment") to pay the District's annual costs associated with the NPDES Permit; and

07.14.2020 11.3

FORM APPROVED COUNTY COUNSEL
BY: AARON C. GETTIS DATE 5/6/20

1 **WHEREAS**, the Benefit Assessments collected are principally used to finance capital
2 costs and to maintain and operate the flood control system as required by the terms of said Permit
3 and must be expended in the Benefit Assessment Area in which they are collected; and

4 **WHEREAS**, the District initially levied the Benefit Assessment for 1991-92 Fiscal Year
5 and has levied the Benefit Assessment in each successive fiscal year; and

6 **WHEREAS**, the voters of California on November 5, 1996 approved Proposition No. 218
7 which added Article XIIIID to the California Constitution ("Article XIIIID") effective November 6,
8 1996; and

9 **WHEREAS**, Section 5(a) of Article XIIIID provides in pertinent part that "...any
10 assessment imposed exclusively to finance the capital costs or maintenance and operation expenses
11 for...flood control and drainage systems..." shall be exempt from the procedures and approval
12 process set forth in Section 4 of Article XIIIID until the assessment is increased; and

13 **WHEREAS**, the Benefit Assessment proposed to be levied and enrolled for the 2020-21
14 Fiscal Year is not greater than the Benefit Assessment that was levied for the 1996-97 Fiscal Year
15 and all subsequent years;

16 **WHEREAS**, at a duly noticed hearing as required by Ordinance No. 14, the Board heard
17 and considered all protests with respect to the amount of the Benefit Assessment to be levied for
18 the 2020-21 Fiscal Year.

19 **NOW THEREFORE, BE IT RESOLVED, DETERMINED AND ORDERED** by the
20 Board of Supervisors of the Riverside County Flood Control and Water Conservation District,
21 County of Riverside, State of California, in regular session assembled on July 14, 2020 as follows:

22 Section 1. The above recitals are true and correct.

23 Section 2. That a public hearing has been duly held on this date, and that each and every
24 step in the proceedings as required by the District Act and Ordinance No. 14 has been duly taken
25 and all protests considered, and that the Board does hereby close the public hearing.

26 Section 3. That the Board does hereby make its determination upon each parcel in the
27 Benefit Assessment Area as described in the Engineer's Report entitled "Engineer's Report to the
28 Board of Supervisors of the Riverside County Flood Control and Water Conservation District on

1 the NPDES Program for the Santa Margarita Watershed Benefit Assessment Area" ("Engineer's
2 Report"), dated July 2020, filed with the Board pursuant to Ordinance No. 14, and that the Board
3 does hereby confirm each and all Benefit Assessments on such parcels and thereby levies a Benefit
4 Assessment in the Benefit Assessment Area of the District for the Fiscal Year 2020-21 at a rate of
5 \$4.00 per benefit assessment unit.

6 Section 4. Pursuant to Section 5(a) of Article XIIIID, compliance with the procedures set
7 forth in Section (4) of Article XIIIID is not necessary and there will be no increase in the Benefit
8 Assessment to be enrolled for the 2020-21 Fiscal Year over the Benefit Assessment enrolled for
9 the 1996-97 Fiscal Year and all subsequent years.

10 Section 5. That a copy of this Resolution duly certified by the Clerk of this Board be
11 recorded in the Office of the Recorder of the County of Riverside, and a copy of this Resolution
12 duly certified by the Clerk of this Board and the Engineer's Report be filed with the
13 Auditor/Controller of the County of Riverside.

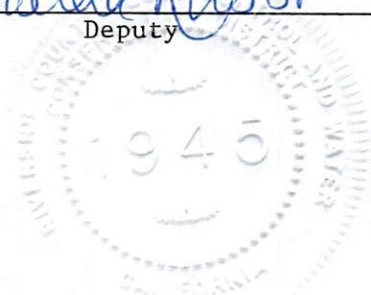
14 ROLL CALL:

15 Ayes: Jeffries, Spiegel, Washington, Perez and Hewitt
16 Nays: None
17 Absent: None

18 The foregoing is certified to be a true copy of a resolution duly
19 adopted by said Board of Supervisors on the date therein set forth.

20 Kecia R. Harper, Clerk of said Board

21 By *Disola Passer*
22 Deputy



28

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

JULY 2020

JASON E. UHLEY
General Manager-Chief Engineer



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INTRODUCTION

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

The Riverside County Flood Control and Water Conservation District (District) service area encompasses portions of three major watersheds (drainage areas): the Santa Ana River, Santa Margarita River, and Whitewater River Watersheds. The discharge of stormwater from MS4s within each of these three watersheds is regulated pursuant to an NPDES MS4 Permit (NPDES Permit) administered by a separate CRWQCB. **The District must comply with the provisions of these NPDES Permits in order to legally operate and maintain its flood control and drainage system infrastructure.** The USEPA and the CRWQCB can impose significant penalties for non-compliance. In addition, private citizens can pursue enforcement actions under the Federal CWA.

In the Santa Margarita Region (SMR), the District, along with the County of Riverside (County) and the City of Temecula (Co-Permittees), obtained an "early"¹ NPDES Permit from the CRWQCB - San Diego Region (Regional Board) on June 16, 1990 (first-term SMR Permit). The Regional Board added the then newly incorporated City of Murrieta as a Co-Permittee to the Permit on May 18, 1992. This first-term SMR NPDES Permit was considered a "Developmental Permit". The Co-Permittees were authorized to continue discharging stormwater from their MS4 while developing various elements of an area-wide stormwater management program. The Permit identified the District as Principal Permittee, and the County and Cities of Temecula and Murrieta as Co-Permittees (collectively, the Principal Permittee and Co-Permittees comprise the Riverside County Permittees). The area-wide stormwater management program was documented in the 1993 Drainage Area Management Plan (1993 DAMP).

Although the first-term SMR Permit "expired" on June 16, 1995, its provisions remained in effect in accordance with the applicable provisions of the NPDES Permit Program regulations until the Regional Board adopted a second-term SMR NPDES Permit (Board Order No. 98-02) on May 13, 1998. However, USEPA Region IX raised an objection to specific language that was included in Board Order No. 98-02 at the direction of the SWRCB. Region IX subsequently took action to issue its own NPDES Permit (CAS0108766) in accordance with the Memorandum of Agreement between Region IX and the SWRCB and the Phase I NPDES MS4 regulations at 40 CFR123.44 (h). On June 25, 1999, Region IX "returned" the NPDES Permit which it had issued to the Regional Board for implementation. On November 8, 2000, the Regional Board issued Addendum No. 1 to Board Order No. 98-02, which incorporated, by reference, the USEPA NPDES Permit into their Board Order.

¹ The term "early" is used to indicate permits that were issued prior to the promulgation of the final USEPA rules for permitting municipal stormwater discharges [40CFR122.26, November 1990].

In general, both Board Order No. 98-02 and the USEPA NPDES Permit validated the Riverside County Co-Permittees' overall stormwater management efforts by incorporating the major elements of the 1993 DAMP and other stormwater management program elements that the Co-Permittees had subsequently developed. However, both Board Order No. 98-02 and the USEPA NPDES Permit imposed additional programs and activities that the Riverside County Co-Permittees were required to implement in accordance with specified time schedules in order to achieve compliance with Board Order No. 98-02, the USEPA NPDES Permit, and the CWA. Board Order No. 98-02 expired on November 30, 2003. The Riverside County Co-Permittees submitted a Report of Waste Discharge (ROWD) to the Regional Board on May 30, 2003, requesting renewal of the SMR Permit. On June 14, 2004, the Regional Board adopted Board Order No. R9-2004-001, the third-term SMR Permit.

The third-term SMR Permit required several additional or expanded program elements, such as strict control on new developments, expanded construction, industrial and commercial inspection programs, and a new emphasis on water quality monitoring and program effectiveness evaluations. Compliance programs were developed or expanded to address the third-term SMR Permit between June 2004 and June 2005.

The Riverside County Co-Permittees submitted a ROWD to the Regional Board on January 15, 2009, requesting renewal of the SMR Permit by the Regional Board. The Regional Board responded to the ROWD and permit renewal process on February 18, 2010. The District and Riverside County Co-Permittees worked with the Regional Board to develop the fourth-term SMR Permit which was adopted on November 10, 2010 (2010 Permit) and included the newly incorporated City of Wildomar as a Co-Permittee.

From 2012 to 2015, although regulated under the 2010 Permit at the time, the Riverside County Co-Permittees coordinated with the San Diego County and South Orange County Permittees in responding to Regional Board staff proposals in their development of a Regional NPDES Permit (Regional MS4 Permit). The Regional MS4 Permit required a paradigm shift from traditional jurisdiction-based Permit requirements to watershed-based, outcome-oriented requirements. The Regional MS4 Permit was adopted in May 2013; in May 2015, the Riverside County Co-Permittees submitted a ROWD requesting renewal of the SMR Permit. The Regional MS4 Permit regulates Co-Permittees within San Diego and Orange Counties, and as of November 18, 2015, now regulates Riverside County Co-Permittees. The Regional MS4 Permit expired on June 27, 2018 but has been administratively extended until it is reissued. On December 27, 2017, the Riverside County Co-Permittees submitted a ROWD requesting renewal of the SMR Permit. Most recently, the Regional Board stated that they expect to begin the permit renewal process in late 2020.

Since issuance of the first-term SMR Permit in 1990, the Riverside County Co-Permittees' Stormwater Management Program has been guided by the following principles:

1. Utilize existing Co-Permittee departments/programs to meet NPDES Permit requirements whenever possible.
2. Minimize duplication of effort through coordinated Co-Permittee compliance actions.
3. When necessary, develop new or expanded stormwater management programs that are both cost effective and acceptable to the public.

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

As Principal Permittee, the District serves as liaison to the Regional Board on general Permit issues, and is required to coordinate MS4 Permit activities and facilitate collaboration on development and implementation of programs required by the MS4 Permit.² As such, the costs of the District's various NPDES Permit compliance activities fluctuate from year to year. Although some expenses do not change significantly on a yearly basis, certain costs are cyclical (e.g., preparing ROWDs and negotiating NPDES permit provisions), while expenses associated with collecting water samples and laboratory analysis may vary according to the amount of rainfall occurring in a given year or in response to certain information requests from the Regional Board. Costs associated with the development, production, and distribution of public education materials are not always incurred on a Fiscal Year basis (FY). Occasionally, additional consultants and/or legal services may be needed to assist the District with the development of a particular Permit requirement or program activity. Also, certain activities or programs may be expanded or curtailed from time to time and, occasionally, new programs or activities must be developed and implemented.

Currently, the regulation and management of stormwater runoff is a topic of increasing interest amongst the public, municipalities, regulatory authorities, and legislators. Although new laws and/or regulations could result in changes to the assessment rate in future years, **the proposed assessment rate for Fiscal Year 2020-21 is equal to or less than the assessment rate that was enrolled and levied since Fiscal Year 1996-97.**

² Section G, Order No. R9-2013-0001, as amended by Order Nos. R9-2015-0001 and R9-2015-0100

APPORTIONMENT METHODOLOGY

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

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

CURRENT YEAR ASSESSMENTS (FY 2019-20)

In July 2019, the District's Board of Supervisors confirmed a benefit assessment rate for FY 2019-20 of \$4.00 per BAU. Following is a summary of FY 2019-20 assessments:

Rate	Billed Parcels	BAUs	Assessments	Corrections	Amount Paid⁽²⁾⁽³⁾
\$4.00	90,132	144,783	\$578,772 ⁽¹⁾	\$0	\$523,218

⁽¹⁾ Amount reflects actual total assessments on all parcels. Total may vary due to rounding.

⁽²⁾ Through May 26, 2020 provided by the County of Riverside Auditor-Controller.

⁽³⁾ Includes payments received for direct billed parcels.

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

RECOMMENDED BENEFIT ASSESSMENT RATES (FY 2020-21)

The District recommends that for FY 2020-21, the SMWBAA assessment rate remain unchanged at \$4.00 per BAU. This BAU rate would result in an equivalent charge per acre for the following land uses:

Group	Land Use Category	BAU/Acre	Assessment Rate*
A	Commercial, Industrial	12	\$48.00/acre
B	Apartments/Mobile Home Parks, Churches and Schools	9	\$36.00/acre
C	Single-family Residential	6**	\$24.00/acre
D	Agricultural/Vacant Undeveloped	Exempt	\$0.00/acre
E	Golf Courses	0.10	\$0.40/acre
F	Undeveloped Portions of Parcels	0.05	\$0.20/acre

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

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

The projected revenue for FY 2020-21, using the proposed benefit assessment rate of \$4.00 per BAU is as follows:

Rate	Parcels ⁽¹⁾	BAUs	Assessment ⁽¹⁾⁽²⁾	Projected Revenue ⁽³⁾
\$4.00	90,132	144,783	\$578,772	\$549,833

⁽¹⁾ Based on FY 2019-20 Assessor's information.

⁽²⁾ Totals may vary due to rounding.

⁽³⁾ Assumes a 5.0% delinquency rate.

The projected revenue along with any remaining portion of the ending fund balance from FY 2019-20 will fund the District's NPDES Stormwater Management Program activities for the Santa Margarita Watershed area in FY 2020-21. The proposed FY 2020-21 budget is presented in Appendix A.

During the early years of the NPDES Program, there were many uncertainties regarding startup costs (consultant costs, amount of sampling that would be required, overall program scope, etc.) since the program was new for both the regulatory authorities and the Permittees. Consequently, the initial assessment rates were set conservatively to ensure that all permit obligations could be met. To date, the District has been able to maintain a modest fund balance since the benefit assessments were first levied in FY 1991-92. The District is reducing the fund balance by maintaining the current assessment rate while sustaining expenditure levels that are slightly above projected revenues. It should also be noted here that the current trend in California is toward more stringent regulation of municipal stormwater runoff, and with the newly effective Regional MS4 Permit, it is expected that the District's NPDES Permit compliance costs will increase significantly in FY 2020-21 and in the coming years.

ASSESSMENT ROLL

The SMWBAA Assessment Roll provides a listing by Assessor's Parcel Number of the proposed FY 2019-20 Benefit Assessment to be levied on each parcel of property in the SMWBAA. The Assessment Roll is identified as Appendix D and incorporated herein by this reference. This Engineer's Report along with the SMWBAA Assessment Roll will be placed at the following locations for review by the public:

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

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

City of Murrieta
1 Town Square
Murrieta, CA 92562

City of Temecula
41000 Main Street
Temecula, CA 92590

The Engineer's Report may also be viewed or downloaded at
<http://content.rcflood.org/NPDES/SantaMargaritaWS.aspx>

NPDES PROGRAM HIGHLIGHTS (FY 2019-20)

The following tasks were accomplished or are ongoing for the year ending June 30, 2020 in compliance with the Regional MS4 Permit:

- A. Pursuant to Provision B of the Regional MS4 Permit, the Riverside County Co-Permittees completed development of the SMR Water Quality Improvement Plan (WQIP). The WQIP is a watershed-based plan that addresses the entire SMR Watershed Management Area (SMR WMA), including land area and facilities within the jurisdiction of the Riverside County Co-Permittees, City of Menifee, and the County of San Diego, in which Co-Permittees must assess all watershed streams and known pollutant sources, prioritize water quality issues, and then set forth an adaptive management process to implement strategies to address the highest priority water quality issues. The WQIP was developed through a transparent process involving extensive collaboration with watershed stakeholders and the public. The WQIP was submitted for review and comment by the Regional Board and the public in three parts. The first deliverable was submitted on January 7, 2016, the second deliverable was submitted July 7, 2017, and the final WQIP was submitted on January 5, 2018. The WQIP was then revised to address Regional Board comments and resubmitted in October 2018. Regional Board accepted the WQIP on November 27, 2018.

Pursuant to Provision B of the Regional MS4 Permit, the Riverside County Co-Permittees elected to perform the optional Watershed Management Area Analysis (WMAA). The WMAA is a watershed-scale analysis that identifies important characteristics, such as hydrologic processes categories and stream descriptions. The WMAA identifies candidate projects with the potential to provide offsite alternative compliance options. The WMAA evaluated three selected large stream reaches to determine whether they were currently experiencing impacts from hydromodification or were likely to experience such impacts in a future "full buildout" condition. The WMAA recommends hydromodification exemptions for two large streams (Murrieta Creek and the Santa Margarita River) and provide quantitative data and analyses to support the exemptions. Additional WMAA analyses were conducted in May and June 2018, and a revised version of the WMAA document was submitted with the WQIP in October 2018.

- B. The District began coordinating the work of the Santa Margarita River Nutrient Initiative Group (SMRNIG) in October 2018. The District coordinates and provides facilitation services for quarterly meetings of the SMRNIG's Stakeholder Advisory Group. This coordination had been provided by the County of San Diego for the past several years. The Regional Board, in conjunction with the USEPA and local stakeholders including the local agencies in the Santa Margarita River Watershed, formed the SMRNIG to investigate the conditions, sources of pollutants, loading capacity, and existing control requirements affecting the eutrophic conditions. Several long-term water quality monitoring projects have been implemented, and modeling of the Santa Margarita Estuary and watershed have been performed. The information is currently being used to develop a TMDL Alternative to address the pollutants and conditions affecting eutrophication within the estuary and the river. From 2012-18, the SMRNIG was funded largely through the Integrated Regional Water Management (IRWM) process and a Proposition 84 grant from the State of California with matching funding and in-kind services by the District, the County of San Diego, and U.S. Marine Corps (USMC) Base Camp Pendleton. The current technical work, which began in early 2019, is funded by the Regional Board with administrative support from the District.

- C. On May 9, 2019, the Regional Board issued Investigative Order No. R9-2019-0007: An Order Directing the Cities of Murrieta, Temecula, and Wildomar, the Counties of San Diego and Riverside, the Riverside Flood Control and Water Conservation District, and the United States Marine Corps Base Camp Pendleton to Design and Implement a Water Quality Improvement Monitoring and Assessment Program for Eutrophic Conditions in the Santa Margarita River Estuary and Watershed, California. Order R9-2019-0007 required these seven named agencies to develop a Monitoring and Assessment Workplan and submit the Workplan to the Regional Board for approval within six months. The Workplan was developed in coordination with the seven agencies and with review by the SMRNIG. The final Workplan was submitted November 8, 2019 and was approved by the Regional Board on January 30, 2020. The required monitoring activities for the SMR Estuary are being funded jointly by the seven named agencies under a Memorandum of Understanding (MOU). Additional monitoring required at three sites on the Santa Margarita River are being conducted independently by the County of San Diego, the USMC Base Camp Pendleton, and by the District. Monitoring is expected to commence in April and May of 2020.
- D. Until July 5, 2018, the District continued to implement the Standard Stormwater Mitigation Plan (SSMP) (referred to by the Riverside County Co-Permittees as a Water Quality Management Plan or WQMP), Template, and Guidance document for new development, in accordance with the 2010 Permit. However, pursuant to Provision E.3.d of the Regional MS4 Permit, the Co-Permittees updated the BMP Design Manual (BMPDM), which incorporates the WQMP and includes updated BMP design standards and development project requirements. The updated BMPDM was first submitted to the Regional Board on January 5, 2018. Following comments from the Regional Board received in March and May of 2018, the BMPDM and WQMP were finalized in June 2018, and became effective July 5, 2018. The Co-Permittees are currently implementing the updated BMPDM and WQMP per the Regional MS4 Permit.
- E. The District continued to implement the SMR Hydromodification Management Plan (HMP). The SMR HMP was developed by the Riverside County Co-Permittees in response to Provision F.1.h of the 2010 Permit to manage increases in runoff discharge rates and durations from Priority Development Projects (PDPs). Hydrologic and sediment supply performance standards that will support maintenance of geomorphic stability in channels receiving runoff from PDPs were developed in this process. The final draft HMP was submitted to the Regional Board on July 11, 2014, at which time the Riverside County Co-Permittees began implementation.
- F. The District continued implementation of the SMR Hydrology Model (SMRHM). The SMRHM became effective on July 11, 2014. The SMRHM is a tool that provides continuous simulation of peak flow runoff rates, from 10% of the 2-year runoff event up to the 10-year runoff event for PDPs. The software is a Hydrologic Simulation Program FORTRAN (HSPF) model that allows users to demonstrate compliance with the HMP performance standards through an interactive graphic user interface.
- G. The District continued hydromodification monitoring within the SMR as specified in the SMR HMP Monitoring Plan. The plan requires monitoring and assessing two streams in the SMR over time; data gathered will be used in conjunction with monitoring efforts required under the Regional MS4 Permit and will also be provided to several watershed stakeholders for use in special studies and/or stream restoration projects.

- H. The District developed and submitted a completed test claim on the 2010 MS4 Permit, pursuant to request from the Commission on State Mandates. In light of a recent Supreme Court ruling, the Commission agreed to review the original test claim filed by the SMR Co-Permittees in 2011 regarding costs incurred for 2010 MS4 Permit provisions which may be eligible for reimbursement from the state. The completed test claim was submitted to the Commission on April 28, 2017; hearing dates continue to be delayed, but it is currently scheduled for a hearing by the Commission on March 27, 2021.
- I. The District developed and submitted a completed test claim on the Regional MS4 Permit with the Commission on State Mandates. The test claim was submitted on June 30, 2017; hearing dates continue to be delayed, but it is currently scheduled for a hearing by the Commission on March 25, 2022.
- J. The District continued identifying and tracking impending draft policies and proposed legislation to inform regulators, policy makers, and the Co-Permittees of potential impacts to the Permit program or to any of its specific components.
- K. The District continued partnership and support in the Upper Santa Margarita Watershed Integrated Regional Watershed Management Group (USMWIRWMG). The Regional Watershed Management Group (RWMG) involves multiple agencies, stakeholders, individuals, and groups, and collaborates to apply for Propositions 1 and 84 grant funding through the Upper Santa Margarita Watershed Integrated Regional Watershed Management Plan (IRWMP) for planning projects within the SMR that would additionally help provide funding for compliance activities required by the 2010 Permit and Regional MS4 Permits.
- L. In 2019, the District prepared a Storm Water Resources Plan (SWRP) for the Upper Santa Margarita River Watershed (USMRW). The 2019 USMRW SWRP is an integrated plan that focuses on regional watershed-based stormwater priorities and on developing projects with multiple benefits in the Riverside County portion of the SMRWMA. The purpose of the SWRP is to guide development, facilitate implementation, and improve funding eligibility of stormwater projects that will provide benefits such as improved water quality, augmented water supply, and reduced flood risk. The SWRP also acts as a vehicle for agency collaboration to allow development of regional stormwater and dry weather runoff solutions. The SWRP was developed out of previous cooperative water management planning efforts in the Planning Area, which is also covered by the SMR WQIP. The SWRP works closely with the WQIP as well as the USMRW IRWMP. In December 2019, the SWRP was submitted for approval to the SWRCB and will be incorporated into the IRWMP.
- M. The District continued to chair the Santa Margarita Permit Technical Advisory Committee comprised of Riverside County and San Diego Co-Permittees and Regional Board staff. The Riverside County Co-Permittees coordinate their urban runoff management activities to work toward achieving the greatest protection of receiving water quality. This committee serves as a forum to effectively disseminate information, discuss regional and statewide program issues, and plan and coordinate Co-Permittee actions to achieve compliance with the Regional MS4 Permit.
- N. The District continued financial support to area-wide stormwater pollution prevention programs, such as the Household Hazardous Waste (HHW) temporary and permanent collection events and the "ABOP" (Anti-freeze, Batteries, Oil, and Paint) Program. These programs are provided through a Memorandum of Understanding and financial contributions to the Riverside County Department of Waste Resources.

- O. The District developed, prepared, and submitted a comprehensive WQIP Annual Report to the Regional Board on January 3, 2020. The WQIP Annual Report included extensive information provided in response to a program audit conducted by the Regional Board and in response to a Regional Board review of WQIP Annual Reports for all the Watershed Management Areas in the San Diego Region.
- P. The District continues to review and update the Low Impact Development (LID) BMP Design Manual, which is focused on landscape-based BMPs and infiltration BMPs capable of addressing identified water quality impairments in the Santa Margarita Watershed. The LID BMP Design Manual is available on the District's website.
- Q. The District continued collection and analysis of water quality samples in accordance with the Regional MS4 Permit's WQIP Monitoring and Assessment Program requirements for year one. Dry weather field screening is conducted at MS4 outfalls and water quality samples collected during wet and dry weather at MS4 outfalls are analyzed for required constituents. Water quality samples will be collected at receiving water stations and analyzed for required constituents in accordance with the program schedule for year four under the WQIP.
- R. The WQIP includes a Water Quality Monitoring and Assessment Program (MAP), which incorporates the requirements specified in the Regional MS4 Permit. The WQIP as accepted by the Regional Board replaces the prior monitoring plan previously referenced within Volume III of the District's Consolidated Monitoring Program (CMP). The CMP now serves as a reference document to the MAP and has been updated to reflect current Regional MS4 Permit requirements. This CMP contains a Quality Assurance Project Plan (QAPP) (Volume II) which specifies the general methods, procedures, quality assurance, and quality control requirements as relevant to the Riverside County MS4 Permit's monitoring requirements.
- S. The District continued participation in the Stormwater Monitoring Coalition (SMC), a regional monitoring group comprised of Southern California Phase 1 Municipal NPDES Permit holders whose focus is developing effective, meaningful stormwater quality monitoring techniques. The goal of the SMC is to develop the technical information necessary to better understand stormwater mechanisms and impacts, and then develop the tools that will effectively and efficiently improve stormwater decision-making. The SMC develops and funds cooperative projects to improve the knowledge of stormwater quality management and reports on the progress of those projects on an annual basis (<http://socalsmc.org/>). To date, the coalition has funded more than 30 research projects valued at \$18 million, underscoring the value of collaborative research. The newest master agreement was signed in October 2019 and spans five years. Under our newest agreement, the SMC executive steering committee has called for the development of a forward-looking research agenda that can guide the SMC's priorities and directions through 2024. To date, the District has served as SMC Vice-chair, on the Executive Steering Committee, on the Regional Bioassessment Survey Technical Subcommittee, and on the SMC California LID Evaluation and Analysis Network Technical Subcommittee.
- T. The District continued coordination with the SMC for the completion of the current five-year cycle of the southern California bioassessment monitoring program. This monitoring program was created in response to the need for a more holistic and coordinated approach for gathering information about the health of streams in southern California both for compliance purposes and data-sharing purposes as streams are an important natural resource. The study is designed to answer questions essential to watershed management. Answering

these questions at the regional scale provides resource managers with the ability to contextualize their programs and improve understanding of the effectiveness of management actions, prioritization of streams most in need of protection, and identification of stressors that are likely to pose the greatest risk to stream health. Based on the findings and lessons learned from the 2009-2013 and 2015-2019 regional monitoring efforts, a revised study design will be developed for 2020-2024. Two SMC monitoring stations have been monitored during the 2018-2019 monitoring year in the SMR. Two additional stations, long-term receiving water stations identified in the WQIP, will be monitored in spring of 2020, as representative of the SMR. Moving forward, the SMC is starting the planning process for the next cycle of regional monitoring as based on lessons learned from the prior study periods.

- U. The District continued to participate in the California Stormwater Quality Association (CASQA) on behalf of the Permittees. CASQA is a professional member association dedicated to the advancement of stormwater quality management through collaboration, education, implementation guidance, regulatory review, and scientific assessment. CASQA assists California's stormwater Permittees in developing, implementing, and maintaining effective stormwater quality management programs. To date, District staff have served on the CASQA Board of Directors, on the Executive Program Committee, as Legislative Subcommittee Co-Chair, Monitoring and Science Subcommittee Co-Chair, Policy and Permitting Subcommittee Co-Chair, and as a member of the BMP Subcommittee.
- V. The District continued active participation in the CASQA Pesticides Subcommittee. This subcommittee is tasked with facilitating changes to state and federal pesticides regulations that potentially improve processes for evaluating the environmental impacts of new pesticides on receiving waters. It is also focused on changing labeling and use requirements for existing pesticides, such as pyrethroids. This subcommittee has collaborated with the Water Boards in a coordinated statewide effort referred to as the Urban Pesticides Pollution Prevention Partnership. The goal to address the impacts of pesticides efficiently and proactively through the statutory authority of the Department of Pesticide Regulation and USEPA's Office of Pesticide.
- W. The District continued presentation of semi-annual municipal employee stormwater training programs. These training classes focus on the requisite knowledge for properly implementing the JRMP, WQMP, and HMP. The training classes also address Permittee functions such as development planning, municipal activities, industrial/commercial inspections, and construction inspections. In previous years all such training was conducted through in-person training events. The District has begun implementation of an online training program to allow for a more cost effective and convenient training platform for Co-Permittees.
- X. The District continued providing stormwater pollution prevention education and outreach by conducting educational presentations in local elementary schools throughout the County; participating in the annual Date Festival; supporting Permittee-sponsored community events such as Earth Day; and distributing BMP brochures addressing pollution prevention, recycling, proper disposal of household hazardous waste, runoff from construction activities, pet care, swimming pool discharges, jacuzzi and garden fountain maintenance, septic tank upkeep, professional mobile services, landscape and gardening activities, over-irrigation tips, the "Dos-and-Don'ts" of outdoor cleaning, and proper housekeeping practices for automotive facilities, restaurants, and commercial/industrial facilities.

- Y. The District continued operating and maintaining the District's NPDES website which provides information, resources, and important links for the Permittees, regulators, developers, business owners, the public, and in-house staff regarding the Permit, its compliance programs, compliance documents, monitoring and sampling, education and outreach, and more. The District has also redesigned its Public Education Watershed Protection website and updated the contents to be more effective at providing usable and interactive data that ultimately enhances the quality of the information.
- Z. The District continues to update the District's NPDES website to meet the Regional MS4 Permit requirements for the "Regional Clearinghouse". The Regional MS4 Permit requires all program documents and supporting documents to be accessible online. The website has been updated to provide links to all required documents and to link to the relevant section of the San Diego County NPDES website for the SMR Watershed Management Area.
- AA. In March 2020, the Governor and the County of Riverside Public Health Officer declared a health emergency due to the COVID-19 pandemic and issued several orders which included behavioral restrictions for the entire population, such as prohibiting gatherings of any size and following social distancing protocols. These restrictions are expected to impact implementation of some District activities.

PROGRAM/WORK ITEMS (FY 2020-21)

The Regional Board enrolled the Riverside County Co-Permittees into the Regional MS4 Permit on November 18, 2015; the Permit became effective for the Co-Permittees on January 7, 2016. Upon the Regional MS4 Permit's effective date, a two-year timeline began in which the SMR WMA WQIP must be developed and submitted for Regional Board approval; additionally, the JRMP and BMPDM are all required to be updated and submitted. Each of these Regional MS4 Permit compliance documents require significant public and stakeholder participation, review and comment, and extensive coordination with other WMA entities including the Riverside County Co-Permittees, County of San Diego, and City of Menifee. Implementation of the WQIP is expected to have significant impacts on Co-Permittee resources.

The following program activities will be emphasized for the coming year:

NPDES Permit Compliance Document Development Submittal

Pursuant to Regional MS4 Permit requirements, the Co-Permittees in the SMR WMA (Riverside County Co-Permittees, County of San Diego, and City of Menifee) have designated the District to be the Principal Watershed Co-Permittee for the SMR WMA; this means that in addition to assuring its own compliance with the Regional MS4 Permit, the District is also responsible for serving as liaison between WMA Co-Permittees and the Regional Board, and facilitating development and coordinating submittal of the primary Permit compliance documents for the WMA.

Regional MS4 Permit compliance reports which will be developed and submitted, including dates for submittal to the Regional Board are as follows:

- WQIP Annual Reports: due annually by January 31st after the WQIP has been accepted by the Regional Board
- WQIP Update: required by January 31, 2021

The District and the Co-Permittees will continue to implement the WQIP and the JRMP requirements. The District will also review and update the WQIP, the WMAA, the JRMP template, and the BMP Design Manual as needed. Costs to coordinate and develop the above stated plans and reports have been significant; the District's share of the cost for developing these compliance documents include SMWBAA funds.

Renewal of the Regional MS4 Permit

The District (in coordination with the Co-Permittees, the County of San Diego, and the County of Orange) submitted the ROWD as application for a renewed Regional MS4 Permit on December 27, 2017. It is expected that the process to renew the Regional MS4 Permit will begin in FY 2020-21. The District will lead the renewal activities on behalf of the Co-Permittees, including stakeholder coordination meetings and document development, review, and revision.

SMR WMA WQIP Implementation

The WQIP addresses water quality issues within the SMR WMA in a systematic fashion which is prescribed by the Regional MS4 Permit. The WQIP includes a complete assessment of watershed streams and outfalls, pollutant sources, extensive mapping, assessment of pollutant loads, and development of strategies for addressing the SMR WMA's identified highest priority water quality issues. The WQIP also includes a monitoring program and an adaptive management process. The WQIP is expected to serve as the cornerstone Regional MS4 Permit compliance document going forward into subsequent MS4 Permit terms.

Individual JRMPs

The District will continue to implement a JRMP that describes its specific runoff management programs and activities. Additionally, each Co-Permittee's JRMP must be updated to reflect the requirements of the Regional MS4 Permit. As Principal Co-Permittee, the District prepared a JRMP template to assist Co-Permittees with preparation of their own jurisdiction-specific documents. Using the JRMP template as a guide, the Co-Permittees prepared and submitted updated JRMPs to the Regional Board on January 5, 2018 and are updating and adapting these programs as needed.

HMP Implementation

In accordance with 2010 Permit and Regional MS4 Permit requirements, the Riverside County Co-Permittees developed an HMP to manage increases in runoff discharge rates and durations from certain Priority Development Projects. The HMP requires projects to have estimated post-project runoff discharge rates and durations that do not exceed pre-development discharge rates and durations. Modeling software, called the Santa Margarita Region Hydrology Model (SMRHM), was developed and finalized to perform the necessary calculations to estimate pre-development and post-project runoff discharge rates. Implementation of the HMP and SMRHM will continue in FY 2020-21, including the required hydromodification monitoring.

MS4 Program Management

As Principal Watershed Co-Permittee, the District coordinates the efforts of the other WMA Co-Permittees and facilitates regional compliance with certain aspects of the Regional MS4 Permit on behalf of the Riverside and San Diego County Co-Permittees. This includes acting as liaison between Co-Permittees and the Regional Board, chairing regular meetings of the SMR WMA Technical Advisory Committee, administration of area-wide programs (e.g., public education, household hazardous waste collection, hazardous material spill response, stormwater sample collection, and analysis), program development, and preparation and submittal of the Transitional JRMP Annual Report and Monitoring Annual Report to the Regional Board. The District will also continue its efforts on identifying and commenting on statewide issues that affect local stormwater programs.

Additionally, the District will continue to update and modify MS4 programs to address COVID-19 Riverside County Public Health Order(s) restrictions and maintain permit compliance.

Area-Wide MS4 Programs

The District will continue to provide financial support for several important "area-wide" BMP programs implemented on behalf of the Riverside County Co-Permittees. The programs currently include:

Public Education

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

Training for Municipal Employees

Municipal training programs are provided to improve understanding of NPDES Permit requirements and stormwater BMPs. The classes focus on methods to reduce and/or eliminate

sources of stormwater pollution from public agency facilities and activities, implementation of the WQMP and HMP, local stormwater ordinances, and Statewide NPDES Construction and Industrial General Permit requirements. Training is conducted specifically for construction inspection staff, industrial/commercial facilities inspection staff, municipal facilities maintenance staff, and staff responsible for new development/redevelopment project review.

Household Hazardous Waste Collection/ABOP

The District and Riverside County Co-Permittees provide financial support to the County Department of Waste Resources to support ongoing permanent and mobile HHW collection events and operation of the "ABOP" (Antifreeze, Batteries, used motor Oil, and latex Paint) Program, all of which provide local residents with opportunities to properly dispose of HHW.

Water Quality Monitoring

On behalf of the Riverside County Co-Permittees, the District will conduct wet weather sample collection from receiving water and outfall monitoring stations in accordance with the Regional MS4 Permit's Transitional Monitoring and Assessment Program until the WQIP is developed and adopted.

The Riverside County Co-Permittees have also been participating in a study to develop Numeric Nutrient Endpoints for a Santa Margarita River Nutrient Total Maximum Daily Load (TMDL) alternative. The District and Co-Permittees developed a new monitoring program to assess pollutant loading and impacts to the SMR Estuary to comply with the Regional Board Investigative Order issued May 9, 2019. The District is collaborating with the County of San Diego and the USMC Camp Pendleton to begin conducting the required monitoring in April 2020.

As required by the Regional MS4 Permit, the Riverside County Co-Permittees will develop and implement Special Studies work plans that are intended to be in alignment with addressing the high priority water quality conditions in the SMR under the WQIP.

Consolidated Monitoring Program

The District updated the Consolidated Monitoring Program (CMP) to describe the monitoring efforts that were implemented to comply with the 2010 Permit. The 2018 CMP updates, and 2019 QAPP errata as applicable to the WQIP include reference to the Water Quality Monitoring and Assessment Program (MAP) as part of the WQIP, which incorporates the requirements specified in the Regional MS4 Permit. These monitoring requirements pursuant to the Regional MS4 Permit's Transitional Monitoring and Assessment Program will continue to be implemented during FY 2020-21.

CONCLUSIONS AND RECOMMENDATIONS

The area-wide Municipal Stormwater Program for the Santa Margarita Watershed has been implemented in an efficient, cost-effective manner through the ongoing cooperative efforts of the District, the Riverside County Co-Permittees, the Regional Board, the Riverside County Fire Department, and Riverside County Department of Waste Resources. The District's NPDES Program activities, which are funded by these SMWBAA assessments, are required to comply with the Regional MS4 Permit and enforceable provisions of the California Water Code and the Federal Clean Water Act, which regulate the discharge of stormwater from MS4s. These mandatory stormwater management program activities are an essential component of the District's continuing operation and maintenance of its critical public safety facilities; therefore, the following action is recommended:

Levy a Flood Control Benefit Assessment in the Santa Margarita Watershed Benefit Assessment Area at an unchanged rate of \$4.00 per benefit assessment unit for FY 2020-21.

GLOSSARY

ABOP – Anti-freeze, Batteries, Oil, and Paint

BAU – Benefit Assessment Unit

BMP – Best Management Practice

CASQA – California Stormwater Quality Association

CMP – Consolidated Monitoring Program

CRWQCB – California Regional Water Quality Control Board

CWA – Clean Water Act

District – Riverside County Flood Control and Water Conservation District

FY – Fiscal Year

HAZMAT Team – Hazardous Materials Emergency Response Team

HHW – Household Hazardous Waste

HMP – Hydromodification Management Plan

IRWMP – Integrated Regional Watershed Management Plan

JRMP – Jurisdictional Runoff Management Plan

LID – Low Impact Development

MS4 – Municipal Separate Storm Sewer System

MRP – Monitoring and Reporting Program

NPDES – National Pollutant Discharge Elimination System

Board Order No. R9-2004-001 – An Order of the California Regional Water Quality Control Board – San Diego Region to regulate stormwater discharges from municipal stormwater facilities owned or operated by the District, County of Riverside, or the Cities of Murrieta and Temecula.

Board Order No. R9-2010-0016 – An Order of the California Regional Water Quality Control Board – San Diego Region to regulate stormwater discharges from municipal stormwater facilities owned or operated by the District, County of Riverside, or the Cities of Murrieta, Temecula and Wildomar.

Board Order No. R9-2013-0001 – See Regional MS4 Permit

Regional Board – San Diego Regional Water Quality Control Board

Regional MS4 Permit – An Order of the California Regional Water Quality Control Board – San Diego Region to regulate stormwater discharges from municipal stormwater facilities owned or operated by the District, County of Riverside, Cities of Murrieta, Temecula or Wildomar, County of San Diego and all incorporated Cities, and County of Orange and named incorporated Cities.

ROWD – Report of Waste Discharge

SA – Santa Ana

SAWPA – Santa Ana Watershed Project Authority

SMC – Southern California Stormwater Monitoring Coalition

SMR – Santa Margarita Region of Riverside County

SMRHM – Santa Margarita Region Hydrology Model

SMWBAA – Santa Margarita Watershed Benefit Assessment Area

SWRCB – California State Water Resources Control Board

SSMP – Standard Stormwater Mitigation Plan; same as WQMP

TMDL – Total Maximum Daily Load

USEPA – Environmental Protection Agency

USMRWMG – Upper Santa Margarita Watershed Regional Watershed Management Group

WQMP – Watershed Quality Management Plan; same as SSMP

WQIP – Water Quality Improvement Plan

WQO – Water Quality Objective

APPENDIX A

Proposed NPDES Program Budget (FY 2020-21)

APPENDIX A

**SANTA MARGARITA WATERSHED BENEFIT ASSESSMENT AREA
PROPOSED NPDES PROGRAM BUDGET (FY 2020-21)**

STAFFING

Salaries, Overtime and Benefits	\$559,722.34
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OVERHEAD

Administration Support	180,000.00
Computer Workstation Usage	48,000.00
Subtotal	\$228,000.00

CONSULTANT SERVICES

NPDES Permit Administration	270,000.00
Public Education & Outreach	55,000.00
Training Program	50,800.00
Water Quality Monitoring	816,000.00
TMDLs	165,000.00
Subtotal	\$1,356,800.00

OTHER MS4 PROGRAM EXPENSES

NPDES Permit Administration: County Counsel/Vehicle Usage	40,000.00
Public Education & Outreach Sponsorships	5,875.00
Public Education & Outreach Materials	4,125.00
Water Quality Monitoring	4,250.00
District Permit Compliance	700.00
Subtotal	\$54,950.00

REGIONAL PROGRAMS AND MEMBERSHIPS

NPDES Permit Administration: CASQA Membership	3,605.00
NPDES Permit Administration: HHW Program, SMC	50,000.00
Subtotal	\$53,605.00

PROGRAM SUBTOTAL

PROGRAM SUBTOTAL	\$2,253,077.34
Contingency (10%)	225,307.70
Assessor's/Treasurer's Office Line Item Charges (\$0.35/parcel) *	31,546.20
County Fee for Annual Submittal *	<u>91.17</u>

TOTAL EXPENDITURES

TOTAL EXPENDITURES	\$2,510,022.41
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* Based on County's FY 2019-2020 collection charges. The County's FY 2020-2021 collection charges are not yet available.

APPENDIX B

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

APPENDIX C

Map of Santa Margarita Watershed Benefit Assessment Area

APPENDIX D

**SMWBAA Assessment Roll (FY 2020-21)
(Under Separate Cover)**

NOTICE OF PUBLIC HEARING BEFORE THE BOARD OF SUPERVISORS
OF RIVERSIDE COUNTY FLOOD CONTROL AND WATER
CONSERVATION DISTRICT ON THE NPDES BENEFIT ASSESSMENT PROGRAM FOR
THE SANTA MARGARITA WATERSHED BENEFIT ASSESSMENT AREA

NOTICE IS HEREBY GIVEN that a public hearing, at which all interested persons will be heard, will be held before the Board of Supervisors of Riverside County, California, acting as the governing board of the Riverside County Flood Control and Water Conservation District (District), County Administrative Center, 4080 Lemon Street, Riverside, California, on July 14, 2020 at 9:30 a.m. or soon thereafter, relative to the District's Engineer's Report on the NPDES Program for the Santa Margarita Watershed Benefit Assessment Area. The Board will hear and consider all protests with regard to the program, if any, including protests with regard to the amount of the proposed assessment to be levied. At the conclusion of the hearing, the Board may adopt, revise, change, reduce, or modify any assessment and shall make its determination upon each assessment described in the report for Fiscal Year 2020-21.

NOTICE IS FURTHER GIVEN that, pursuant to statutory authorization, a written report by the Chief Engineer of the District describing the Benefit Assessment Program has been filed with the Clerk of the District's Board. The report contains a description of each parcel of property within the boundaries of the Santa Margarita Watershed Benefit Assessment Area of the District on which a benefit assessment is proposed to be levied and sets forth the amount of the proposed benefit assessment for each such parcel. The report contains a schedule of the benefit assessment rates for the 2020-21 Fiscal Year. Copies of the report, together with copies of the assessment rolls for the Santa Margarita Watershed Benefit Assessment Area and the official Riverside County Assessor's Map Books, are on file and available for review by the public at the office of the Clerk of the District's Board at the County Administrative Center, 4080 Lemon Street, Riverside, California; the District's office at 1995 Market Street, Riverside, California; the City of Temecula, 41000 Main Street, Temecula, California; and the City of Murrieta, 1 Town Square, Murrieta, California. By reference to the Chief Engineer's report, the assessment rolls, and the map books, each property owner may verify the area of his or her parcel, its land use, and the amount of the 2020-21 Benefit Assessment.

NOTICE IS FURTHER GIVEN THAT the proposed benefit assessment rate for Fiscal Year 2020-21 is the same benefit assessment rate as Fiscal Year 1996-97 and all subsequent years.

BY ORDER OF THE BOARD OF SUPERVISORS

JUN 16 2020

Dated: _____

KECIA R. HARPER
Clerk of the District's Board

By: *Christina Rasser*
Deputy

7/14/20 11.3
2020-7-146836

CERTIFICATE OF POSTING

(Original copy, duly executed, must be attached to original at the time of filing.)

I, Sue Maxwell, do hereby certify that
(NAME AND TITLE)

I am not a party to the within action or proceeding; that on

7/6/2020, I posted a copy of the following
(DATE)

document: Inside CAC Bldg, COB Office @ 4080 Lemon St, Rvsd

NOTICE OF PUBLIC HEARING BEFORE THE BOARD OF SUPERVISORS OF THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT ON THE NPDES BENEFIT ASSESSMENT PROGRAM FOR THE SANTA MARGARITA WATERSHED BENEFIT ASSESSMENT AREA

By posting at: City of Murrieta
1 Town Square
Murrieta, California

Board Agenda Date: July 14, 2020

Sue Maxwell
(SIGNATURE)

2020 JUL -6 PM 1:34
CLERK / BOARD OF SUPERVISORS