

**California Department of Transportation  
Stormwater Management Program  
District 11 Work Plan**

Fiscal Year

**2012-2013**

CTSW-RT-12-286.12.1



California Department of Transportation  
Division of Environmental Analysis  
Stormwater Management Program  
4050 Taylor Street, San Diego, California 92110

<http://www.dot.ca.gov/hq/env/stormwater>

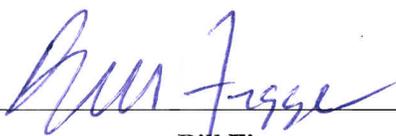
April 1, 2012



For individuals with sensory disabilities, this document is available in alternate formats upon request. Please call or write to the Stormwater Liaison, Caltrans Division of Environmental Analysis, MS-27, P.O. Box 942874, Sacramento, CA 94274-0001, (916) 653-8896 Voice, or dial 711 to use a relay service.

**California Department of Transportation  
District 11 Certification  
District Work Plan 2012-13**

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations. [40 CFR 122.22(d)]



---

**Bill Figge**

**Acting District Director**

**District 11**

*3-5-2012*

**Date**

This page intentionally left blank.

**CALIFORNIA DEPARTMENT  
OF TRANSPORTATION  
DISTRICT 11  
APPROVAL**

---

**Regional Work Plan 2012/2013**

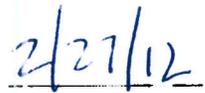
**California Regional Water Quality Control Board  
San Diego Region 9 and Colorado River Basin Region 7**

**April 1, 2012**

---



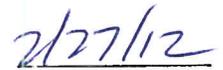
**William Valle**  
Chief Deputy Maintenance, Design, Traffic Operations, Engineering & Surveys



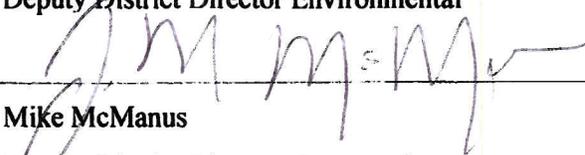
Date



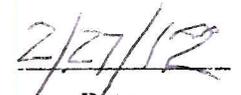
**Bruce April**  
Deputy District Director Environmental



Date



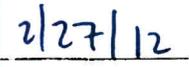
**Mike McManus**  
Deputy District Director Construction



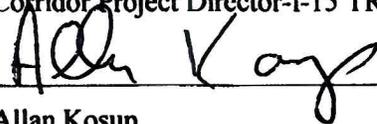
Date



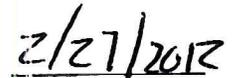
**Gustavo Dallarda**  
Corridor Project Director-I-15 TRANSNET, I-805 and SR-52



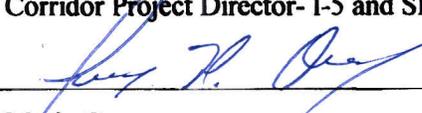
Date



**Allan Kosup**  
Corridor Project Director- I-5 and SR76



Date



**Mario Orso**  
Corridor Project Director- Trade Corridor



Date

This page intentionally left blank.

# Table of Contents

---

<b>1</b>	<b>Introduction .....</b>	<b>1-1</b>
<b>2</b>	<b>District Personnel and Responsibilities .....</b>	<b>2-1</b>
<b>3</b>	<b>District Facilities and Water Bodies .....</b>	<b>3-1</b>
<b>4</b>	<b>Drinking Water Reservoirs and Recharge Facilities.....</b>	<b>4-1</b>
<b>5</b>	<b>Implementation .....</b>	<b>5-1</b>
<b>6</b>	<b>Total Maximum Daily Loads .....</b>	<b>6-1</b>

## Figures

Figure 2-1: District 11 Organizational Chart .....	2-7
--	-----

## Tables

Table 2-1: District 11 Stormwater Personnel and Responsibilities .....	2-3
Table 2-2: District 11 Signatory Authority for Key Documents .....	2-4
Table 4-1: District 11 Drinking Water Reservoirs and Recharge Facilities .....	4-1
Table 5-1: District 11 Anticipated Project Development and Construction Schedule .....	5-3
Table 5-2: District 11 Anticipated Maintenance Activities and Other Management Practices.....	5-12
Table 5-3: District 11 General Management Practices .....	5-12
Table 6-1: District 11 TMDL Activities .....	6-3

This page intentionally left blank.

# 1 Introduction

---

## General Information about the District Work Plan

The District Work Plans (DWP) describe the organization of each California Department of Transportation (Caltrans) District's stormwater program and outline the planned stormwater activities for the upcoming fiscal year. They are prepared and submitted on April 1 each year. Since the DWP is District-specific, each Regional Water Quality Control Board (RWQCB or Regional Board) is provided a copy of the DWPs relevant to their jurisdiction.

This DWP presents information about District 11's water bodies, Best Management Practices (BMPs), and monitoring programs. It describes how the District will specifically implement the requirements of the Statewide Stormwater Management Plan (SWMP) during fiscal year 2012-13. Implementation activities will be conducted in accordance with the procedures presented in the SWMP.

The DWP's six chapters describe how the District plans to implement the stormwater program during the upcoming fiscal year. Chapter 1 introduces the DWP, describes its organizational structure, and identifies the key goals and commitments made by the District for the upcoming fiscal year. Chapter 2 describes the personnel with stormwater operations responsibilities in the District. In Chapter 3, the District's facilities are listed and categorized by type and location. Chapter 4 describes and identifies the locations where spills from the District's owned rights-of-way, activities, roadways or facilities can discharge directly to a drinking water reservoir or ground water recharge facility. In Chapter 5, the District's implementation activities are summarized, including projects that will be in the design and construction phases during the fiscal year, as well as the planned activities associated with municipal coordination, stormwater monitoring, and public education. Chapter 6 identifies the total maximum daily loads (TMDLs) for which the District has been named a stakeholder, and a general discussion of planned TMDL actions.

## District Goals and Commitments

District 11 will continue to implement the SWMP and the Stormwater Quality Handbooks to ensure that every project evaluates and implement the appropriate combination of construction, pollution prevention and permanent BMPs.

The District NPDES unit continues to refine the process used to document implementation of stormwater practices. A major component of tracking is ensuring that information is readily available and accessible to other staff. For example, the NPDES unit has moved from tracking information in a Microsoft Access database platform to a more compatible database, FileMaker Pro, used by the District 11 environmental division. This tracking mechanism will soon be made available to other branches. Engineers and other staff will be able to determine what comments or practices are needed based on previous reviews.

Coordination with other stakeholders, including the San Diego Municipal co-permittees will continue and will be strengthen as much as possible. The TMDLs occurring in the San Diego watersheds have presented an opportunity to work together with various organizations and groups that have an interest in water quality.

The District will ensure that all opportunities for Low Impact Development (LID) BMPs are maximized and hydromodification measures are evaluated for all projects during the design review conducted by the Route Manager as outlined in the latest approved Project Planning and design Guide (PPDG).

This page intentionally left blank.

## **2 District Personnel and Responsibilities**

---

Chapter 2 of the DWP describes positions, addresses, and telephone numbers of personnel with responsibilities for stormwater operations within the District. This chapter also identifies positions having signatory authority for various notifications or documents required for submittal by a District (e.g., notice of construction or NOC).

### **District NPDES/Stormwater Compliance Branch Chief**

The NPDES Program Branch Chief is a senior level position in charge of all stormwater activities in the District. The Branch Chief is responsible for establishing an effective stormwater program and maintaining open communication with Headquarters, District management and legal staff. The Branch Chief provides support, direction, and guidance to the District Coordinators and the Route Managers. The NPDES Program Manager supervises staff (Route Managers), which supports the District NPDES Program. The responsibilities of the District Stormwater Branch Chief include:

- Directing District operations regarding stormwater.
- Ensuring District efforts achieve compliance with the NPDES permit.
- Acting as the District signatory authority for all compliance documents and commitments regarding stormwater.
- Acting as the District's contact person between the District and Municipalities in regards to Stormwater issues.
- Ensuring accuracy and adequacy of the stormwater workload allocations for each fiscal year.
- Acting as the contact person between the District and the State Water Resources Control Board (SWRCB), the Regional Water Quality Control Boards (RWQCBs), U.S. Environmental Protection Agency (EPA), and other regulatory agencies regarding Stormwater.
- Actively coordinating involvement in municipal coordination with other Municipal stormwater co-permittees (municipalities and other regulated entities).
- Proposing, developing, and managing stormwater monitoring programs, in coordination with the Headquarters Division of Environmental Analysis, Stormwater Program.
- Assisting the District functional units in prioritizing, monitoring, tracking, and evaluating stormwater resources, activities, and operations.
- Implementing a quality assurance and quality control (QA/QC) program for monitoring the activities of the District functional units, in order to ensure that the conditions of the Permit, SWMP, and DWP are implemented properly.
- Representing the District at the Stormwater Advisory Teams (SWATs) identified in the SWMP.
- Assisting in development of stormwater training programs.
- Coordinating enforcement between route managers, maintenance stormwater coordinators and construction stormwater coordinators for Illicit Connections/Illegal Discharges (IC/IDs).

### **Route Managers**

Under the general direction of the District NPDES branch Chief, the Route Managers are engineers and/or landscape architects responsible for ensuring compliance with the District stormwater quality policies. The specific stormwater tasks for which the Route Managers are responsible include the following:

- Reviewing adequacy of Stormwater Data Reports (SWDRs) for all District projects as required by the Project Planning and Design Guide.
- Working participant in preparation of contract specifications and estimates to address development of Stormwater Pollution Prevention Plans (SWPPPs) and Water Pollution Control Plans (WPCPs).
- Working participant in preparation of contract plans, specifications, and estimates (PS&E) to address temporary BMPs.
- Preparing or aiding in the preparation of the contract PS&E for inclusion of permanent control measures to improve or minimize water quality impacts.
- Ensuring adequate preparation of the Notification of Construction (NOC) and other RWQCB notifications as required by the Permit.
- Overseeing activities related to notification procedures for reuse of soil containing lead in accordance with variances issued by the Department of Toxic Substances Control (DTSC).
- Reviewing encroachment permit applications to ensure compliance with stormwater requirements.

### **Maintenance Coordinator**

The Maintenance Stormwater Coordinator is responsible for communicating with Maintenance management and staff levels regarding the proper implementation of maintenance related sections of the SWMP and DWP. The specific stormwater tasks for which the Maintenance Coordinator is responsible include the following:

- Overseeing maintenance activities to ensure compliance with the Stormwater Permit and SWMP.
- Conducting Facility Pollution Prevention Plan (FPPP) inspections and preparation of report.
- Serving as District representative to the Maintenance SWAT.
- Overseeing Vegetation Control Plan (VCP) compliance and preparation as required by the Permit to ensure adequate submittal to regulatory agencies.
- Reviewing District projects to ensure maintainability of stormwater measures upon completion of construction.
- Coordinating all Stormwater training for Maintenance Personnel.
- Working as the point of contact for Maintenance related activities with regulatory agencies.
- Preparing and submitting IC/ID Reports to the District NPDES Branch Chief.
- Reviewing Stormwater Data Reports to ensure compliance with Maintenance requirements.

### **Construction Coordinator**

Under the general direction of the Division of Construction Deputy, the Construction Stormwater Coordinator (CSWC) is responsible for developing stormwater quality policies and guidance, and daily management of Construction Division's stormwater quality program. The CSWC is responsible for the proper implementation of the SWMP and the DWP within Construction. The specific tasks for which the CSWC will be responsible include:

- Working as the primary point of contact for stormwater issues during the construction phase.
- Developing and administering stormwater training for Construction staff.

- Reviewing Stormwater Pollution Prevention Plans (SWPPPs) and Water Pollution Control Plans (WPCPs).
- Conducting final project closeout inspections to ensure compliance with Notice of Completion of Construction (NOCC) submittals.
- Submitting approved SWPPPs and other reports to the RWQCBs as requested.
- Providing oversight inspections for Construction projects.
- Preparing and submitting Notices of Non-Compliance (NONCs).
- Preparing and submitting IC/ID Reports for Construction projects to the District NPDES Branch Chief.
- Representing Construction in the SWAT Meetings.
- Providing input for the Annual Report.
- Ensuring that all enforcement actions or corrections requested by the Regional Boards are promptly implemented and documented.
- Serving as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff.
- Supporting the design related functional units in determining specific project needs and evaluation of water pollution control measures in the field.
- Reviewing SWDRs to ensure compliance with construction requirements

Table 2-1 lists staff members responsible for implementing the Stormwater Management Program in District 11.

***Table 2-1: District 11 Stormwater Personnel and Responsibilities***

<b>Staff Name</b>	<b>Title</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Responsibility</b>
Constantine (Con) Kontaxis	NPDES Branch Chief	(619) 688-3626	constantine.kontaxis@dot.ca.gov	Direct District operations for stormwater management. Ensure District efforts achieve compliance with the NPDES permit. Act as the District signatory authority for all compliance documents and commitments regarding stormwater, except Construction General Permit (CGP) documents. Serve as liaison between the District and Municipalities in stormwater issues. Ensure accuracy and adequacy of stormwater workload allocations. Serve as liaison between the District and the SWRCB, the RWQCBs, U.S. EPA, and other regulatory agencies regarding Stormwater. Guide and direct the preparation, development, and implementation of a comprehensive stormwater program. Assist the District functional units in prioritizing, monitoring, tracking, and evaluating stormwater resources, activities, and operations. Implement a QA/QC program for activities of the District functional units to ensure compliance with the Permit, SWMP, and RWP. Represent District SWATs.

Staff Name	Title	Phone No.	E-mail	Responsibility
Antonio Araullo		(619) 688-6436	antonio.araullo@dot.ca.gov	Review adequacy of all SWDRs. Prepare contract specifications and estimates to address BMPs in SWPPPs and WPCPs. Ensure adequate preparation of the NOC and other RWQCB notifications as required by the Permit. Review encroachment permit applications to ensure compliance with stormwater requirements.
Giao Hoang		(619) 688-0226	giao.d.hoang@dot.ca.gov	
Ken Johansson		(619) 688-6763	ken.johansson@dot.ca.gov	
Roya Yazdanifard		(619) 688-4255	roya.yazdanifard@dot.ca.gov	
Danielle Zhang		(619) 688-3645	danielle.zhang@dot.ca.gov	

Table 2-2 lists individuals authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Stormwater Program. It also includes delegation of signatory authority for key Permit/SWMP required documents.

**Table 2-2: District 11 Signatory Authority for Key Documents**

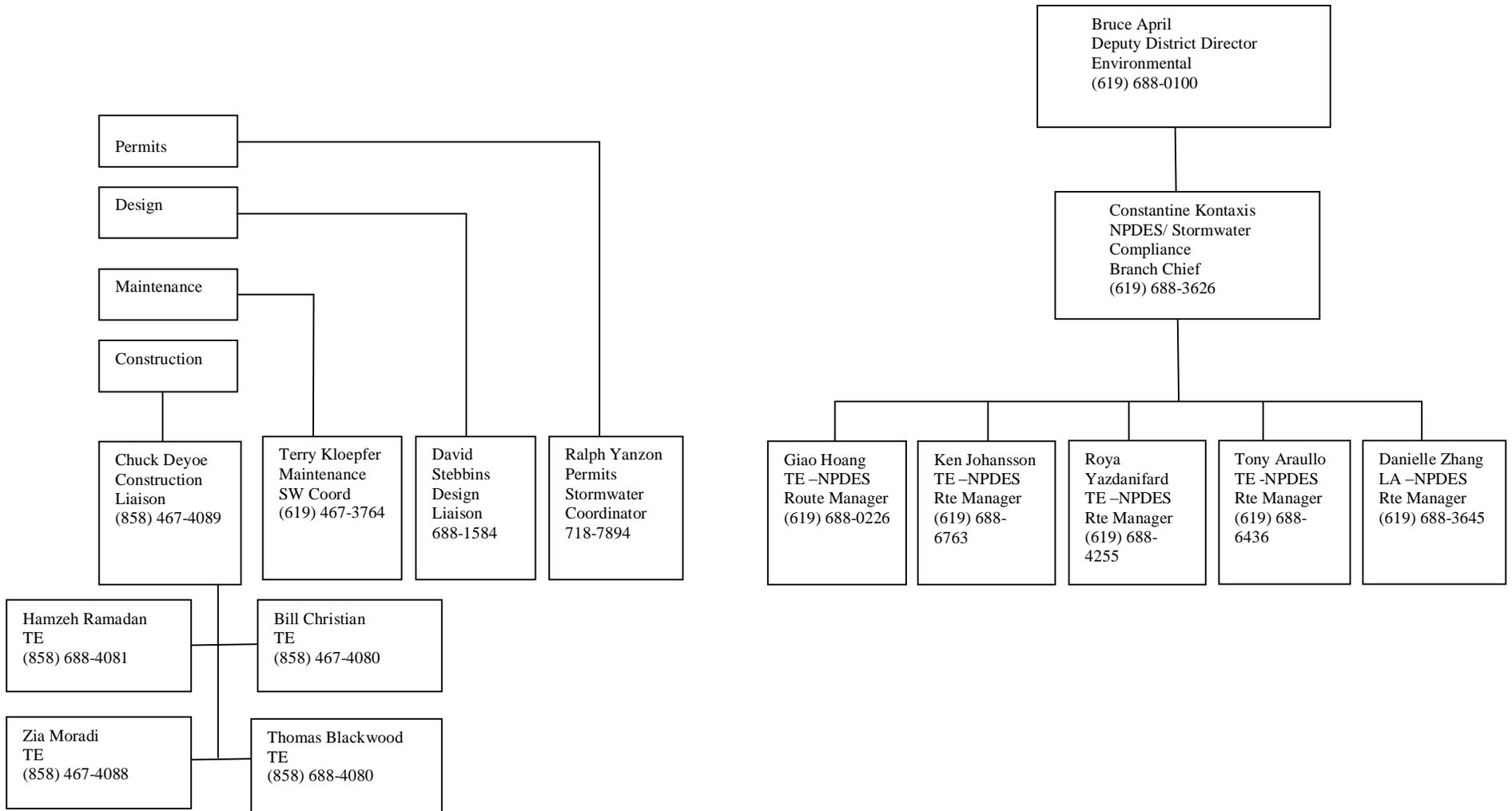
Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
District Director	(619) 688-6668	laurie.berman@dot.ca.gov	All District Documents
Deputy District Director-Construction	(619) 688-0100	bruce.april@dot.ca.gov	All District Documents
Deputy District Director-Construction	(619) 688-3305	mike.mcmanus@dot.ca.gov	All District Documents regarding CGP
NPDES Branch Chief	(619) 688-3626	constantine.kontaxis@dot.ca.gov	All District Documents except District Work Plan
Resident Engineers	various	various	SWPPPs, NOC/NCC, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, and Report of IC/ID
Route Managers	(619) 688-6436	antonio.araullo@dot.ca.gov	Stormwater Data Reports, 11-page estimates, log-ins, Water Quality Reports, Notice of Soil Reuse with Aerially Deposited Lead (ADL)
	(619) 688-0226	giao.d.hoang@dot.ca.gov	
	(619) 688-6763	ken.johansson@dot.ca.gov	
	(619) 688-4255	roya.yazdanifard@dot.ca.gov	
	(619) 688-3645	danielle.zhang@dot.ca.gov	
Construction SW Coordinator/Construction Engineer	(858) 467-4089	chuck.deyoe@dot.ca.gov	SWPPP, NOC, NCC, Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification, Report of IC/ID, Dewatering Permit Application

<b>Position or Individual</b>	<b>Phone No.</b>	<b>E-mail</b>	<b>Documents Authorized for Signatures</b>
Maintenance Stormwater Coordinator	(619) 476-3764	terry_kloepfer@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of IC/ID, Facility Pollution Prevention Plans (FPPPs)

Figure 2-1 shows an organizational chart describing key persons with responsibilities for stormwater operations within the District.

This page intentionally left blank.

**Figure 2-1: District 11 Organizational Chart**



This page intentionally left blank.

### **3 District Facilities and Water Bodies**

---

Chapter 3 of the DWP identifies crew and address information about Caltrans maintenance stations, vista points, commercial vehicle enforcement areas, roadside rest areas, park and ride facilities, toll road and bridge plazas, equipment shops, and other Caltrans facilities. For security reasons, the table and map identifying these facilities is not available to the public to comply with the Department of Homeland Security Policy. For more information, contact Caltrans' Office of Emergency Management or Division of Environmental Analysis.

This page intentionally left blank.

## 4 Drinking Water Reservoirs and Recharge Facilities

Chapter 4 of the DWP describes and identifies the locations where spills from District-owned rights-of-way, activities, roadways, or facilities can discharge directly to a municipal or domestic water supply reservoir or a ground water recharge (percolation) facility. Projects that potentially drain to these areas consider project features that enhance spill response.

A list of drinking water reservoirs and recharge facilities within District 11 is presented in Table 4-1. Drinking water reservoirs and recharge facilities are areas such as locations where spills from District-owned ROWs, activities, or facilities can discharge directly to municipal or domestic water supply reservoirs or ground water percolation facilities.

To generate the list of municipal, domestic water supply reservoirs, and ground water percolation facilities, the District first contacted known public and private water supply providers. From the information received, the District determined which facilities were susceptible to a direct spill from a District activity or facility. This determination was based on proximity between the water body and the District's facility, use characteristics of the facility, and the probable spill response time.

*Table 4-1: District 11 Drinking Water Reservoirs and Recharge Facilities*

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
15	San Diego	9	Lake Hodges	Domestic Water Supply	

This page intentionally left blank.

## 5 Implementation

---

Chapter 5 of the DWP identifies the specific projects in which work is planned during the fiscal year within the Project Approval/Environmental Document (PA/ED), Plans, Specifications, and Estimates (PS&E), and Construction development phases. The anticipated schedule of construction and maintenance activities is subject to change. These projects are limited to those meeting any of the following criteria:

1. Equal to or greater than 1 acre of disturbed land area, including area of a new bridge
2. Adjacent to a Drinking Water or Ground Water Recharge Facility, as described in chapter 4 of the DWP
3. A supplemental environmental project
4. Additional projects per agreement between the District and local RWQCB

Projects listed in Table 5-1 include (where applicable):

1. Location (county, route and post mile limits)
2. Project number (expense authorization)
3. Basic Project Description
4. Disturbed land area
5. Presence of receiving waters within or adjacent to project limits, with special designation for 303(d) listed water bodies
6. Drinking Water Reservoir or Ground Water Recharge Facility within or adjacent to project (as identified in chapter 4 of the DWP)
7. Projected milestone dates of PA/ED, PS&E, begin Construction, and end Construction
8. Treatment control status
9. Dredge and fill (CWA-401) activities within the project

The updated lists of projects meeting these criteria will also be provided to the RWQCB semi-annually on April 1st and October 1st. Furthermore, this chapter identifies planned maintenance activities involving water bodies that may require action by the RWQCB under Section 401 of the CWA. Information associated with the activities includes location, affected water body, and area of disturbance. In addition, this chapter also describes the planned activities associated with municipal coordination, stormwater monitoring, and public education within the District; however, these activities may be conducted jointly with other Districts and HQ. Consequently, information contained in a DWP may be repeated in another DWP.

This page intentionally left blank.

**Table 5-1: District 11 Anticipated Project Development and Construction Schedule**

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity <sup>5</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
1	260714	SD	15	18.8	22	San Diego	Highway Planting & Irrigation	Los Penasquitos Creek, Lake Hodges	No	64	Exempt	3/27/03	8/30/07	7/12/08	10/22/12
2	260724	SD	15	21.9	24	San Diego	Install Planting & Water System	Lake Hodges	No	32	Exempt	3/27/03	11/15/08	4/19/09	5/17/13
3	260734	SD	15	23.8	26	San Diego	Install Highway Planting Systems	Lake Hodges	No	25	Exempt	3/27/03	12/15/09	1/24/11	11/10/14
4	2T0814	SD	15	26	30	San Diego	Construct Managed Lanes - North	Lake Hodges, Felicita, Escondido Creek	Yes	46	2 Bioswales	3/27/03	2/15/08	2/3/09	1/16/13
5	2T0824	SD	15	30	32	San Diego	Construct Managed Lanes - North Segment	Escondido Creek Flood Control Channel	Yes	32	5 Bioswales	3/27/03	10/31/07	8/6/08	6/28/12
6	2T0864	SD	15	26.2	28	San Diego	Hwy Planting & Auto Irrigation Sys	Lake Hodges	Yes	18	Exempt	3/27/03	3/10/11	8/27/11	9/21/15
7	2T0871	SD	15	27.8	30	San Diego	Landscape: Managed Lanes - North Segment	Lake Hodges, Felicita Creek, Escondido Creek	No	3.9	Exempt	3/27/03	8/16/11	5/9/12	7/3/16

<sup>1</sup> Supplemental Environmental Projects designated as "SEP."

<sup>2</sup> Projects adjacent to Drinking Water Reservoirs or Ground Water Recharge Facilities are noted (DW) and (GW), respectively.

<sup>3</sup> Water bodies with designation for 303(d) designation are noted in parentheses.

<sup>4</sup> If yes, a 401 permit will be required for this project. NA = Not Available at this time.

<sup>5</sup> Treatment Control Status identified by: device type/number of devices, exempt ("E"), or under consideration ("C"). See Treatment Control Status Legend below for device type abbreviations.

*Table 5-1: District 11 Anticipated Project Development and Construction Schedule*

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity <sup>5</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
8	2T0881	SD	15	30.1	32	San Diego	Landscape: Managed Lanes - North Segment	Escondido Creek Flood Control Channel	No	5	Exempt	3/27/03	6/21/11	5/9/12	7/3/16
9	2T0924	SD	15	10.4	21	San Diego	Construct Managed Lanes - South Segment	Los Penasquitos Creek, Lake Hodges	No	66	4 Bioswales, 6 Biostrrips	3/27/03	1/4/08	9/30/08	4/1/12
10	2T0954	SD	15	15	16	San Diego	Construct DAR & Transit Station	Carrol Canyon Creek	No	9	Catch Basin Filter Inserts, 3 Bioretention Units	3/27/09	2/17/11	6/11/12	11/7/15
11	2T0971	SD	15	11.2	15	San Diego	Landscape: Managed Lanes - South Segment	San Diego River	No	9.8	Exempt	3/27/03	6/15/11	1/12/12	12/24/15
12	2T0981	SD	15	14.5	16	San Diego	Landscape: Managed Lanes - South Segment	Los Penasquitos Creek and Lagoon	No	5	Exempt	3/27/03	1/5/12	7/25/12	8/21/16
13	2T0991	SD	15	16.4	20	San Diego	Landscape: Managed Lanes - South Segment	Los Penasquitos Creek	No	61	Exempt	3/27/03	3/23/11	12/11/11	1/15/16
14	080104	SD	76	7.3	13	San Diego	Construct Four Lane Highway	San Luis Rey River	Yes	111	52 Bioswales	11/26/08	5/13/09	2/28/10	1/29/15
15	257141	SD	76	16.7	18	San Diego	Interchange	San Luis Rey River			Bioswales	11/8/11	10/14/11	8/19/12	9/8/15
16	065000	SD	5	29.3	31	San Diego	Const Auxiliary Lane S/B	Soledad Creek				6/30/11	8/16/12	3/17/13	1/27/14
17	235800	SD	5	34.1	55	San Diego	Const HOV/General Purpose/Aux Lanes	Batiquitos Lagoon, San Elijo, Others				12/26/12			

**Table 5-1: District 11 Anticipated Project Development and Construction Schedule**

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity <sup>5</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
18	263400	SD	5	41.3	42	San Diego	Encinitas Blvd I/C Improvement	Cottonwood Creek	Yes	34		1/24/13	4/27/14	10/10/14	2/28/16
19	2T1701	SD	5	37.5	51	San Diego	Soundwalls	San Elijo Lagoon					1/21/13	10/14/13	8/28/15
20	2T1711	SD	5	37.5	51	San Diego	Construct 1 HOV Lane	San Elijo Lagoon					12/6/12	6/2/14	4/25/15
21	2E0061	SD	56	3.5	3.5	San Diego	Mitigation Site Habitat Restoration	Deer Canyon, Penasquitos Lagoon	Yes	25	Wetland Creation	1/21/11	6/7/11	1/15/12	8/27/14
22	2T0404	SD	805	26.5	29	San Diego	Construct HOV Lanes	Carroll Canyon, Soledad Canyon	No	48	7 Bioswales	4/2/09	8/30/10	3/28/11	1/21/13
23	273404	SD	76	23.1	24	San Diego	Bridge Replacement	Pala Creek, San Luis Rey	Yes	1.8	Exempt	6/30/09	2/5/10	12/28/10	9/1/13
24	28800K	SD	5	12.6	21	San Diego	HOV/Auxiliary Lanes & Freeway Connector								
25	00260K	SD	56	0	9.2	San Diego	Construct HOV/General Purpose Lanes								
26	28980K	SD	805	5.5	9.5	San Diego	Add Auxiliary Lanes, Improve Ramps & Improve Interchanges								
27	29890K	SD	15	36.3	37	San Diego	Widen Ramps								4/3/13
28	246400	SD	67	0.7	1.5	San Diego	Modify Existing Interchange	Forester Creek		10.4	1 Detention Basin	11/10/08	4/15/13		3/13/15

**Table 5-1: District 11 Anticipated Project Development and Construction Schedule**

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity <sup>5</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
29	28700K	SD	67	5.4	21	San Diego	Widen SR67 To 4 Lanes, Truck Climbing Lane	San Diego River		250	Bioswale				
30	085780	SD	163	0.6	1.4	San Diego	Revise Interchange/ Widen OC & Approach	San Diego River	Yes	31	1 Infiltration Basin, 1 Biostrip, 11 Bioswales	11/8/10	2/1/13		1/5/16
31	403104	SD	163	4.3	0	San Diego	Construct Hazard Center Drive	San Diego River	No	1.9	Curb Inlet Filter (Local Project)		3/11/10		12/16/12
32	259804	SD	78	15.3	16	San Diego	Replace Nordahl Bridge & Widen Off Ramp	Escondido Creek	No	8.1	Bioswales	10/5/09	2/23/11	2/3/12	1/30/13
33	293104	SD	78	15.5	17	San Diego	Extend Connector Ramp	Escondido Creek Flood Control Channel		5.6	Biostrips	3/11/10	5/25/10	7/5/11	3/10/13
34	2T1501	SD	805	5.1	14	San Diego	Install BRT Lanes, New Bridge, Ramp Realignment, Install Signal			5		7/22/12	7/23/13	4/15/14	7/28/15
35	187031	SD	78	13.8	15	San Diego	Improve The Existing Barham Dr/ Woodland Pkwy Interchange	San Marcos Creek	No	16	5 Bioswales, 1 Infiltration Basin	12/19/08	11/23/13		6/22/15
36	287201	SD	78	12.1	13	San Diego	Construct New Structure	San Marcos Creek	Yes	10	Bioswales/ Strips, Detention Basin	5/1/08	1/10/15	11/15/15	1/4/17

**Table 5-1: District II Anticipated Project Development and Construction Schedule**

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity <sup>5</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
37	404504	SD	78	14.3	16	San Diego	Construct Auxiliary Lanes	San Marcos Creek			Bioswale	8/6/10	7/28/10	1/16/12	4/24/13
38	241511	SD	163	8.2	9.4	San Diego	Interchange Reconfiguration		No	18.9	Detention Basin		1/19/12	1/17/13	2/18/14
39	089754	SD	805	25.2	26	San Diego	Interchange Improvements & Road Widening	Rose Canyon		40.5	Bioswales		12/14/09	1/29/11	7/24/14
40	401804	SD	5	61.8	62	San Diego	Widening NB Offramp & Local Street	Pacific Ocean	No	1.8	None	6/29/10	1/6/11	10/5/11	3/22/12
41	2T1300	SD	15	3.8	6	San Diego	BRT Stations	Chollas Creek, San Diego River	No	8.7	1 Basin, 2 Bioswales	7/31/11	8/4/12	3/2/14	3/8/15
42	2T1900	SD	15	5.6	6	San Diego	Construct Class 1 Bike Path					1/10/12			
43	289000	IMP	8	90.4	91	Colorado River Basin	Modify Ramp & Widen Bridge					9/13/12	11/19/12	5/6/13	10/2/14
44	091834	SD	905	5.2	6.1	San Diego	Construct New Freeway	Tijuana River	Yes	37	Bioswales 2	7/23/04	8/10/10	5/7/11	11/21/12
45	288804	SD	905	9.5	15	San Diego	Construct New Freeway	Tijuana River	Yes	129	Biostrips 5, Bioswales 3, Edb 9	7/23/04	7/3/08	7/8/09	7/13/13
46	297700	SD	5	13.4	14	San Diego	Grade Separation Improvements					10/2/11	3/2/13	11/7/13	8/24/14
47	056310	SD	11	0	2.8	San Diego	Construct Freeway & Port Of Entry	Tijuana River		265	8 Bioswales	4/1/12	3/1/13	8/1/13	6/20/16
48	40680K	SD	8	1.1	1.5	San Diego	Widen Exit Ramp	San Diego River	No				8/13/12	7/3/13	6/16/14

**Table 5-1: District 11 Anticipated Project Development and Construction Schedule**

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity <sup>5</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
49	405000	SD	8	11.2	0	San Diego	Drainage Corrections In La Mesa & El Cajon				5/16/11	11/12/11	6/19/12	8/29/12	
50	404801	SD	76	30.5	32	San Diego	Lane Channelization				5/16/11	11/29/11	7/31/12	10/25/12	
51	294201	IMP	86	1.9	2.3	Colorado River Basin	Roadway Widening & Installation Of Traffic Signals						8/16/14	1/21/15	
52	002700	SD	5	19.9	21	San Diego	Construct Auxiliary Lanes/ Widen Connector	Tecolote Creek		> 1		3/11/11	11/15/12	8/1/13	1/12/16
53	292404	SD	5	40.1	0	San Diego	Repair Slope & Erosion Control Work	San Diego River, San Elijo Lagoon	No	2.9	None	6/30/09	4/19/10	12/23/10	7/23/14
54	063804	SD	8	17.4	19	San Diego	Widen Freeway & Bridge				6/25/04	3/25/09	12/7/09	1/20/13	
55	063811	SD	8	17.4	19	San Diego	Highway Planting/ Irrigation System				6/24/04	5/20/12	12/5/12	2/11/17	
56	291904	SD	15	8.4	0	San Diego	Concrete Slope Paving & Planting				7/8/09	4/8/10	11/23/10	10/6/12	
57	264110	SD	163	1.4	0	San Diego	Seismic Retrofit	San Diego Bay	No	2.9	None	1/3/11	9/7/12	4/4/13	1/3/16
58	265004	SD	163	1.7	3.2	San Diego	Planting & Irrigation				5/31/06	1/13/09	12/8/09	12/17/13	
59	265010	SD	163	0.5	3.2	San Diego	Scenic/ Historic Highway Preservation	San Diego Bay	No	2	None	8/26/11	8/17/12	8/4/13	8/23/17

*Table 5-1: District 11 Anticipated Project Development and Construction Schedule*

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity <sup>5</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
60	29490K	SD	188	0	0.2	San Diego	Pedestrian/ Transit Facilities					9/13/12	9/16/13	4/14/14	5/4/16
61	297600	SD	5	10.7	11	San Diego	At-Grade Improvements	Sweetwater	No	1.82	None	8/4/10	12/7/11	5/14/12	2/15/13
62	297610	SD	5	10	10	San Diego	At-Grade Improvements					8/5/10	12/7/11	5/14/12	2/21/13
63	081610	SD	805	4.4	16	San Diego	Construct Express & HOV Lanes South	Sweetwater River, Chollas Creek	Yes	375	51 Bioswales	6/22/11			1/27/14
64	081630	SD	805	23.3	28	San Diego	Construct Managed Lanes-North	San Clemente Canyon, Rose Canyon, & Carroll Canyon	Yes	253	32 Bioswales, 3 Detention	12/31/10			2/28/15
65	2T1801	SD	805	9.4	14	San Diego	Express Lanes	Sweetwater River, Paradise, La Paleta, Chollas Creek	No	20.6	Technical Report	6/22/11	8/15/11	5/20/12	2/15/14
66	2T1811	SD	805	5.5	9.4	San Diego	Express Lanes	Rice Canyon, Telegraph Canyon, Sweetwater River, Otay River		18	6 Bioswales	6/22/11	8/29/11	6/23/12	6/28/14

**Table 5-1: District 11 Anticipated Project Development and Construction Schedule**

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity <sup>5</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
67	2T1821	SD	805	4.4	5.5	San Diego	Direct Access Ramp	Otay River	Yes	31.2	2 Bioswales, Porous Pavement & Biocells Outside Ct R/W	6/22/11	2/27/12	3/4/13	9/9/14
68	2T1831	SD	805	5.4	14	San Diego	Soundwalls					6/22/11	7/5/12	5/22/13	3/21/14
69	2T0014	SD	52	17.3	18	San Diego	Erosion Control Work	Forester Creek	No	1.5	Exempt	7/28/89	9/20/10	6/8/11	11/18/15
70	2T0114	SD	52	15.5	17	San Diego	Planting, Irrigation Erosion Control	Forester Creek, San Diego River	No	2	Exempt	7/28/89	8/13/10	7/20/11	2/21/16
71	2T0704	SD	52	14.5	16	San Diego	Planting & Erosion Work	Forester Creek, San Diego River	No	3.5	Exempt	7/28/89	10/27/10	7/24/11	12/19/15
72	2T2001	SD	805	23.2	27	San Diego	1 HOV Lane In Each Direction, Direct Access Ramp	Rose Canyon, Carroll Canyon						5/1/12	8/1/16
73	261514	IMP	8	31.3	0	Colorado River Basin	Install Sewage Treatment System Rest Area Restoration	Imperial Canals	No	1	None	5/14/08	11/12/09	7/26/10	4/14/12
74	263300	IMP	8	38.7	39	Colorado River Basin	Revised Interchange					11/1/12	2/20/13	2/16/14	9/23/15
75	167894	IMP	78	9.2	12	Colorado River Basin	Construct Four Lane Expressway					2/19/03	12/21/09	1/30/11	3/8/14
76	404401	IMP	78	9.2	12		Landscape Mitigation				Exempt	2/14/03	7/21/12	5/21/13	1/17/17
77	080261	IMP	98	32.1	32		Widen Highway					2/18/09	8/26/13	10/17/14	6/2/16

**Table 5-1: District 11 Anticipated Project Development and Construction Schedule**

No.	EA	Project Location					Project Description <sup>1, 2</sup>	Water Bodies Within or Adjacent to Project Limits <sup>3</sup>	Dredge and Fill Activities (Y/N/NA) <sup>4</sup>	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity <sup>5</sup>	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Regional Board						PA&ED Date	PS&E Date	Start Date	End Date
78	28670K	IMP	111	0	0		Pedestrian/ Transit Facilities				7/30/12	9/30/13	8/30/14	6/19/18	
79	294800	IMP	186	0	0.4		Pedestrian/ Transit Facilities				10/28/11	11/14/12	5/15/13	4/4/17	

Treatment Control Status Legend	
<b>BMP Device Types:</b>	
BS	Biofiltration Strips and/or Swales
D	Detention Devices
DWFD	Dry Weather Flow Diversion
GSRD	Gross Solids Removal Devices
ID	Infiltration Devices
MF	Media Filters
MCTT	Multi-chambered Treatment Trains
TST	Traction Sand Traps
WB	Wet Basins

Table 5-2 lists planned maintenance activities involving water bodies that may require action by the RWQCB under Section 401 of the Clean Water Act.

**Table 5-2: District 11 Anticipated Maintenance Activities and Other Management Practices**

Significant Road Maintenance Activities								
No.	Co.	Route	PM	Regional Board	Description	Water Bodies Affected <sup>6</sup>	Start Date	Completion Date
None								

Table 5-3 lists the District’s planned general program management practices, such as monitoring activities, public education and participation, municipal coordination, including any cooperative agreements that may be in effect with local agencies.

**Table 5-3: District 11 General Management Practices**

Monitoring Activities
<p>District 11 is in process of setting up separate monitoring Task Orders. The objectives of each are described below:</p> <ol style="list-style-type: none"> <li>1. Develop and implement a monitoring plan for Chollas Creek to meet multiple objectives related to the Dissolved Copper, Lead and Zinc TMDL. The main objectives of the monitoring program are to: <ul style="list-style-type: none"> <li>• Characterize Caltrans’ discharges to Chollas Creek;</li> <li>• Demonstrate compliance toward achieving WLAs identified in the TMDL; and</li> <li>• Conduct pre-construction monitoring in areas where BMPs may be implemented</li> </ul> </li> <li>2. The purpose of this Task Order is to develop and implement a stormwater monitoring program in Rainbow Creek to: <ul style="list-style-type: none"> <li>• Characterize Caltrans’ discharges to Rainbow Creek;</li> <li>• Demonstrate compliance toward achieving the Waste Load Allocations (WLAs) identified in the Total Maximum Daily Load (TMDL) for Total Nitrogen and Total Phosphorus in the Rainbow Creek Watershed; and</li> <li>• Demonstrate attainment of the nutrient water quality objectives in areas affected by Caltrans’ discharge.</li> </ul> </li> </ol>
Public Education and Participation
<ul style="list-style-type: none"> <li>• The District will continue to seek opportunities to participate in public education, particularly in the areas of stormwater quality issues pertaining to the District's property, facilities, and activities. Continue to participate in District events, county fairs, elementary school presentations and other events to distribute literature and promotional material.</li> <li>• Use project informational meetings to explain why stormwater treatment and specialized erosion control measures are being included in upcoming projects and to share new specifications and manuals with other agencies and the public</li> </ul>
Municipal Coordination
<p>District 11 plans to:</p> <ul style="list-style-type: none"> <li>• Continue coordination with co-permittees and on a regular basis to handle IC/ID, channel cleaning and TMDL associated monitoring;</li> <li>• Notify, via written correspondence, of any illicit discharges or connections discovered within the District right-of-way and associated with a municipality’s jurisdiction; and</li> <li>• Continue to participate in co-permittees meetings to ensure consistent implementation in the region.</li> </ul>

<sup>6</sup> Receiving waters within or adjacent to maintenance activity designated as "303d (constituent type)." Activity adjacent to Drinking Water Reservoir or Ground Water Recharge Facilities designated as "DW."

**Table 5-3: District 11 General Management Practices**

The District has several cooperative agreements in effect with local agencies, including:						
County	Route	Begin PM	End PM	Regional Board	Local Agency	Purpose of Agreement
San Diego	15			9	Bureau of Land Management, Cities of Murrieta and Temecula, Counties of San Diego and Riverside, Camp Pendleton, U.S. Navy, and Fallbrook	TMDL monitoring and implementation for Santa Margarita
San Diego	5, 15, 75, 94, 805			9	Cities of San Diego, El Cajon, and La Mesa	Chollas TMDL development and deployment
San Diego	8			9	U.S. Forest Service	Roberts Ranch gully erosion
San Diego	5			9	County of San Diego, Cities of Carlsbad, Encinitas, Escondido, Oceanside, San Marcos, Solana Beach, and Vista, and the Hale Avenue Resource Recovery Facility (HARRF)	Carlsbad TMDL monitoring and implementation
San Diego	78			9	Cities of San Marcos, Vista, and Escondido, San Diego RWQCB, Vallecitos Water District, County of San Diego, and other stakeholders	Lake San Marcos Participation Agreement (Pre-TMDL)
San Diego	Various			9	Cities of Carlsbad, Del Mar, El Cajon, Encinitas, Escondido, La Mesa, Lemon Grove, Oceanside, Poway, San Diego, San Marcos, Santee, Solana Beach, and Vista, the Unified Port of San Diego, County of San Diego, Districts 8 and 12	Part of TMDL development, establishing numeric targets to account for natural resources for the San Diego Region

This page intentionally left blank.

## 6 Total Maximum Daily Loads

---

Chapter 6 of the DWP describes and identifies the total maximum daily loads (TMDLs) for which the District has been identified as a stakeholder. A summary of planned District projects and participation efforts for TMDL compliance is provided. This information may include a general discussion of the load allocation assessment, approach, or strategy for achieving allocations under an Implementation Plan, and the coordination of activities with other stakeholders during the next fiscal year.

For each TMDL, the District develops a plan to conduct activities that will achieve TMDL compliance objectives. The activities may include designing or constructing structural BMPs, depending on the pollutant and level of mitigation required by the TMDL, or non-structural controls, such as maintenance activities, municipal coordination, and partnerships. The District strives to meet TMDL compliance objectives as it continues to work with the RWQCB to achieve the maximum feasible pollutant reduction.

Table 6-1 lists TMDL compliance activities for each TMDL in District 11 for which Caltrans has been assigned a Waste Load Allocation (WLA), an implementation plan has been approved, and has a compliance deadline.

For each TMDL listed in the table, the following is indicated:

- RWQCB
- Water Body Name
- Pollutant
- Load Reduction Implementation Date – the timeframe to achieve load reduction goals
- Monitoring – compliance alternatives for implementing mitigation measures to comply with the TMDL, including, if known, a time frame for development of the compliance alternatives
- TMDL Municipal/Stakeholder Coordination – Coordination with municipalities and local stakeholders on how to meet load reduction goals
- Planned Actions – specific activities the District intends to conduct during the fiscal year to comply with the TMDL by the deadline

This page intentionally left blank.

**Table 6-1: District 11 TMDL Activities**

District	Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
11	9	Chollas Creek Diazinon TMDL	9/11/2003	Conduct Annual workshops	10/4/2010	Monitoring from three storm events will be used to assess water quality for determining compliance with TMDL criteria.	The City of San Diego is the lead agency. Caltrans will continue coordinating with the other dischargers by attending monthly dischargers meetings, funding monitoring program.	Diazinon has been banned by the USEPA since 2004 and the District discontinued using it in its operations since 1999. District will continue to participate in the monitoring program with the other dischargers in the 2012-2013 fiscal year.
				Compliance with MS4 Permit (Ongoing)	10/4/2010			
				Submit Annual Reports (effectiveness reports and monitoring reports)	10/4/2010			
11	9	Chollas Creek Metals TMDL	12/18/2008	Achieve 80%WLA	12/16/2018	Monitoring of two storm events will be used to assess water quality. The dischargers will also collect grab samples from various land uses/jurisdictions to assess runoff quality and BMP effectiveness.	The City of San Diego is the lead agency. Caltrans will continue coordinating with the dischargers; attend monthly meetings to discuss development of compliance methods (such as restoration projects), funding monitoring program and coordinating with non-governmental agencies.	Annual inspection of Caltrans maintenance stations for stormwater compliance, sweeping in the watershed, eradicate illegal human encampments, and participate in stormwater monitoring and in public education campaigns. Caltrans is in initial stages of developing a Treatment BMP project. Potential site locations are being evaluated and a draft Project Report is underway for 2012-2013 fiscal year.
				Achieve 100% WLA	12/13/2028			
8 & 11	9	Rainbow Creek Nutrient TMDL	3/22/2006	Achieve 20% reduction Nitrogen and Phosphorus	12/31/2009	Completed geotechnical report and submitted to the San Diego RWQCB	Working with County of San Diego	Will submit a comprehensive report addressing compliance. Caltrans will be conducting monitoring for assessing WLA compliance.
				Achieve 40% reduction Nitrogen and Phosphorus	12/31/2013			
11 & 12	9	San Diego Beaches Bacteria TMDL	8/16/2011	Meet 50% Interim REC-1 for Priority 1	8/14/2016	In early stages of a draft monitoring plan. Expected submittal to the Regional Board by April 2012.	A SAG has been formed and Caltrans will be coordinating with the RB and other dischargers for implementation methods and developing monitoring plan and other reports.	Expected Final Monitoring Plan and QAPP by May 1, 2012.
				Meet 50% Interim REC-1 for Priority 2	8/14/2017			

District	Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
				Meet 50% Interim REC-1 for Priority 3	8/14/2018			
				Meet 100% Interim REC-1 for Priority 1,2 and 3	8/13/2021			
				Meet 100% Final REC-1,SHELL for Priority 1, 2, and 3	8/11/2031			