

**California Department of Transportation
Stormwater Management Program
District 8 Work Plan**

Fiscal Year

2013–2014

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California Department of Transportation
Division of Environmental Analysis
Stormwater Management Program
464 West Fourth Street, San Bernardino, California 92401-1400

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

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**California Department of Transportation
District 8 Certification
District Work Plan 2013-14**

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)]



March 1, 2013

for **Basem E. Muallem, P.E.**

Date

District Director 8

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1 Introduction

General Information about the District Work Plan

The District Work Plans (DWPs) 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 8'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 2013-14. 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

The District 8 stormwater (SW) quality program will implement the following:

- As the renewed Caltrans Permit will be effective in July 2013, all District SW functional units will actively participate in preparation of the draft SWMP, and subsequent response to comments, so that the SWMP can be finalized by July 2014. Procedure changes that result from the new SWMP will be communicated to the District by the District NPDES Coordinator (DNC) and implemented by each Division.
- The Planning and Design Divisions will ensure Project Initiation Documents signed after July 1 2013 incorporate the requirements of the renewed Permit.
- The Design Division will continue to encourage the integration of Low Impact Development principles in drainage design, through participation on Project Development Teams and reviews.
- The Construction Division will participate on Project Development Teams and Constructability Reviews to get quality biddable and buildable projects. Construction will continue training and assisting RE's and other field staff in field implementation and Construction General Permit (CGP) requirements to attain Department goals.

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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 Coordinator

The District NPDES Coordinator (DNC) is a District Senior level employee who oversees the stormwater quality program in the District. The DNC is accountable for establishing an effective stormwater program and maintaining a liaison with Headquarters and District Division Chiefs (DDC) for effective communication, collaboration, and coordination of stormwater activities. The DNC provides support, direction, and guidance to the other Stormwater Coordinators.

The DNC is responsible for informing each Division of statewide stormwater quality policies and guidance in District 8, and daily management of the District's stormwater quality program. The DNC is responsible for identifying issues, developing recommendations related to stormwater quality, and coordinating with the HQ Division of Environmental Analysis concerning water quality issues that affect the District. The DNC supervises staff, which supports and executes the activities of the DNC and the Stormwater Management Program.

The responsibilities of the DNC include:

- Providing guidance and direction for the preparation, development, and implementation of a comprehensive District Stormwater Management Program, as directed in the DWP.
- Serving as the signatory authority in the District for Stormwater Data Reports (SWDRs) produced in each phase of project development.
- Evaluating needs and making recommendations for the stormwater workload allocations for the District 8 OSWQ for each fiscal year.
- Coordinating and track resource distributions, workloads, and projects within the District Office of Stormwater Quality (OSWQ).
- Assisting the District's functional units in prioritizing, monitoring, tracking, and evaluating stormwater resources, activities, and operations.
- Implementing a quality assurance and quality control program for monitoring the activities of the District's functional units, in order to ensure that the conditions of the Permit, SWMP, and DWP are implemented properly.
- Providing guidance and direction necessary to develop strategies for addressing regulations and mandates on stormwater discharges set forth by federal, state, and local regulatory agencies.
- Representing the District as the primary liaison on stormwater and waste discharge issues with Headquarters, local MS4 co-permittees, the four RWQCBs in the District, the EPA, and the SWRCB.
- Representing the District on the Water Quality Stormwater Advisory Team (WQSWAT) identified in the SWMP.
- Monitoring and evaluating the stormwater activities and procedures of municipalities, developers, and other agencies. Reconciling disputes and disagreements on policies, activities, assignments, and responsibilities regarding stormwater issues.

- Impartial and equitable decisions that benefit Caltrans in attaining the objectives of the Stormwater Management Program.
- Working as a leader and Chairperson of the District 8 NPDES Task Force.
- Overseeing public education and outreach efforts in the District.
- Providing District input on research proposals and implementation, development of training classes, and other work initiated by the Headquarters Stormwater Management Program.

Although the Chief of the OSWQ in the Division of Engineering Services has been designated as the District NPDES Stormwater Coordinator, the stormwater responsibilities are in addition to and separate from the responsibilities of the OSWQ.

District Design Coordinator

The DNC is also the functional manager for the OSWQ and is responsible for implementation of the SWMP and DWP within the Division of Design as it plans and designs transportation and transportation related projects. The DNC also coordinates SWMP and DWP implementation with local agencies that sponsor projects on the U.S., State, and Interstate highway systems. With the assistance of the District OSWQ, and a separate Design Branch unit (Design L) specializing in the preparation of SWDRs and the design of treatment BMPs, the DNC provides or performs:

- Coordinating NPDES training for Design Staff. External agencies and consultants that plan and design highway projects are accommodated in this training on a space-available basis.
- Reviewing project plans and related documentation to ensure the proper and effective incorporation of BMP(s) during all three phases of project development - Project Initiation, Project Approval/Environmental Document (PA/ED), and preparation of Plans, Specifications, and Estimates (PS&E).
- Determination and evaluation of stormwater quality impacts during the California Environmental Quality Act (CEQA)/National Environmental Policy Act (NEPA) screening.
- District representation on the Project Development SWAT (PDSWAT).
- Implementation of policies and procedures to ensure Design compliance with the SWMP and NPDES Permit.
- Technical assistance to designers in proper implementation of BMPs into projects, including emergency projects.
- Providing support as requested to project engineers at public information meetings and environmental public hearings to explain stormwater elements in a given project.

Environmental Engineering Coordinator

The District Environmental Engineering Coordinator (EEC) is responsible for communicating with the DDC of Environmental Planning and the Environmental Engineering Office Chief for the proper implementation of the environmental engineering portion of the SWMP and DWP. The EEC ensures that the staff supports and properly executes the activities defined in the SWMP and DWP. The specific stormwater tasks for which the EEC is responsible are the following:

- Determination and evaluation of stormwater impacts during CEQA and/or NEPA screening for hazardous wastes.
- Providing information to the DNC regarding projects that invoke the Department of Toxic Substances Control (DTSC) Lead variance for soils containing aerially deposited lead.

- Overseeing activities related to notification procedures for reuse of soil containing lead in accordance with the variances issued by the DTSC to Caltrans.

Maintenance Coordinator

The Maintenance Stormwater Coordinator (MC) is a Maintenance Superintendent responsible for communicating with the Deputy District Director of Maintenance and the Maintenance Supervisors regarding the proper implementation of maintenance related sections of the SWMP and DWP. The MC reports all IC/ID activities to the DNC and coordinates stormwater training for maintenance staff as well as overseeing inspection of maintenance facilities and operations relative to Permit compliance. The MC is chairperson of the MOT that meets routinely to discuss water quality issues, update the Maintenance portion of the DWP, and compile information for the Annual Reports, as well as the SWMP. The MC serves as the conduit for information between the DNC and maintenance offices, as well as the Headquarters Maintenance Program, including the Maintenance SWAT identified in the SWMP.

Construction Coordinator

The Construction Stormwater Coordinator (CC) is a senior-level employee responsible for developing stormwater quality guidance, and the daily management of the Division of Construction's stormwater quality program. The CC is responsible for providing guidance to the Resident Engineer, in an advisory capacity, regarding the proper implementation of the SWMP and the DWP within its Division. The CC is also the functional manager of the Construction NPDES/Environmental unit. This unit oversees implementation of program requirements in the field during the construction phase of each project, and reviews projects in the PS&E phase to ensure adequate temporary BMPs have been included. The specific tasks for which the CC is responsible include:

- Serving as the primary point of contact for stormwater issues during the construction phase of each project.
- Developing and administering stormwater training for Construction staff.
- Review and recommend approval of Stormwater Pollution Prevention Plans (SWPPP) as requested by the Resident Engineer.
- Tracking critical compliance milestones that occur before and during the course of construction.
- Conducting final project closeout inspections.
- Reviewing the Notice of Termination for SWPPP projects.
- Submitting approved SWPPPs to the RWQCBs as requested.
- Submitting reports to the RWQCBs as requested.
- Providing oversight inspections for highway projects administered by entities outside Caltrans.
- Reviewing, preparing and submitting Threat of Discharge reports.
- Preparing and submitting Illicit Connection/Illegal Discharge (IC/ID) Reports for Construction
- Representing Construction in the District's NPDES Task Force Meetings.
- Providing input to the Annual Report.
- Participating on the Construction SWAT defined in the SWMP.
- Reviewing project documents during all phases of project development and providing input to the designer in determining specific project needs for temporary water pollution control during construction.

The CC ensures that all enforcement actions or corrections requested by the Regional Boards are promptly implemented, and documented. The CC serves as the primary conduit for information during the construction phase for the RWQCBs, Headquarters Construction, and construction field staff. The CC supports the design related functional units in determining specific project needs and evaluation of water pollution control measures in the field.

Right-of-Way (ROW) Coordinator

The ROW Coordinator for the NPDES Task Force is currently a District Branch Chief of Property Management. This Coordinator is responsible for:

- Attending Task Force meetings to report on ROW activities
- Ensuring that stormwater training is available to ROW agents tasked with property inspection responsibilities.
- Ensuring that regular property inspections include stormwater inspections.
- Maintaining documentation of the inspection findings and corrective actions.
- Disseminating information and answering questions regarding Caltrans' stormwater policy to all ROW staff involved in stormwater inspections.
- Notifying the NPDES Task Force and/or the DNC of discharges or situations that appear to be in violation of Caltrans' Permit, SWMP, or DWP.
- Reporting instances where ROW conducts construction activities that require the development of a SWPPP and related notification.

Engineering Services (Hydraulics) Representative

The Hydraulics Representative (HR) is an experienced Civil Engineer in the District Hydraulics functional unit, which is part of the Engineering Services Branch of the Division of Design. The HR is a member of the District NPDES Task Force responsible for providing information on permanent erosion control measures around culverts and other watercourses within the right-of-way, whether natural or man-made, except those structures assigned with a State Bridge Number, in which case erosion, scour, and related calculations are performed by Hydraulics Structures. The HR ensures that the management and staff of the Hydraulics Branch are knowledgeable of the DWP and various water pollution control efforts and commitments for minimizing or preventing pollutants from being present in discharges. The HR ensures that the design processes utilized by the Hydraulics Branch are consistent with the DWP and the SWMP, especially those processes related to the evaluation, selection, and design of permanent control and treatment control measures.

Public Affairs Coordinator

The Public Education Stormwater Coordinator is a member of the NPDES Task Force, which is responsible for maintaining an effective public information program as specified in this DWP and any elements of the SWMP that are attributed to the District. The Public Affairs Coordinator is directly responsible for the following:

- Ensuring the publication of stormwater articles within District publications (e.g., newsletters and public information flyers).
- Ensuring that stormwater information is available at public events where Caltrans participates in public outreach, such as county fairs and environmental awareness events.

Encroachment Permits Coordinator

The Permits Stormwater Coordinator is a member of the NPDES Task Force, which is responsible for ensuring that the District Office of Permits complies with the Permit, SWMP, and DWP. The Office of Encroachment Permits is responsible for issuing permits to local agencies, utility companies, and others (i.e., film production companies, marathon sponsors, etc.) that desire to encroach into Caltrans' right-of-way for conducting construction, maintenance, or other activities consistent with their organization. The Permits Coordinator ensures that all permits issued to those encroaching into Caltrans' ROW comply with the Permit in a manner that is consistent with what is required of Maintenance, Construction, and Design.

Landscape Architecture Coordinator

The Landscape Architecture units facilitate the incorporation of permanent erosion control measures into the planning, design, and construction of all projects in District 8. The District Landscape Architect or his delegate is the Landscape Architecture Coordinator (LAC), who is the primary point of contact between the other functional units, the NPDES Task Force, and the DNC. The LAC provides permanent erosion and sediment control training to Design personnel in coordination with the Headquarters Landscape Architecture Program (LAP), the Department of Environmental Analysis and the DNC. Furthermore, the LAC provides field support to Construction, Maintenance, and Permits when requested. The LAC also coordinates SWMP and DWP implementation with local agencies that sponsor projects on the U.S., State, and Interstate highway systems.

The specific stormwater tasks for which the LAC is responsible include the following:

- Evaluating stormwater impacts during CEQA/NEPA screening and project development.
- Evaluating and recommending permanent soil stabilization control and treatment control measures for addressing project stormwater impacts.
- Identifying the costs related to water pollution and erosion control on programming documents.
- Developing new specifications, details, and guidance materials related to erosion and sediment control.
- Preparing contracts at PS&E to address erosion and sediment controls for projects, including computational proof of post-construction soil stabilization per the CGP
- Ensuring that when soil containing lead is reused in accordance with variances issued by the DTSC, it is stabilized as part of project design.
- Assisting the District Permits Branch in evaluating water quality impacts and requirements of encroachment permit applications as requested.
- Assisting the DNC and MC in identifying, scoping and programming stormwater quality-related projects for the State Highway Operation and Protection Program.
- Assisting in the development of training programs, especially those for Landscape Architecture staff.
- Reviewing and approving erosion control plans for oversight projects.
- Participating in the PDSWAT identified in the SWMP.

The LAC acts as the liaison with the LAP to develop, submit, review, and approve all specifications and details related to post-construction erosion and sediment control and vegetated treatment controls. Furthermore, the LAC is the contact for Headquarters' Design Program in the approval or concurrence with specifications related to erosion and sediment control.

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

Table 2-1: District 8 Stormwater Personnel and Responsibilities

Staff Name	Title	Phone No.	E-mail	Responsibility
Cathy Jochai	District Stormwater Coordinator, Chief-Office of Stormwater Quality	(909) 383-4948	cathy.b.jochai@dot.ca.gov	Primary contact for all stormwater issues. Oversees the implementation of the Permit within the District. Final signatory authority on all Stormwater Data Reports. District representative on the WQSWAT and PDSWAT.
Rosanna Roa	Environmental Engineering Coordinator	(909) 383-5917	rosanna.roa@dot.ca.gov	Primary contact for DTSC related stormwater issues.
Cindy Gano	Maintenance Stormwater Coordinator	(951) 314-3677	cindy.gano@dot.ca.gov	Implementation of the policies, procedures, personnel and equipment of the SWMP in the Maintenance Division. District representative on the MSWAT. Third signatory on the long form SWDR.
David Meress	Construction Stormwater Coordinator	(909) 514-1071	dave.meress@dot.ca.gov	Ensures that field construction personnel are appropriately trained to ensure compliance with water pollution control requirements. Conduct inspections to assist Resident Engineers in ensuring that stormwater controls are implemented on construction sites and in reviewing SWPPPs. District representative on the CSWAT.
Michael Yarbrough	Right-of-Way Coordinator	(909) 383-4581	michael.yarbrough@dot.ca.gov	Primary contact for Right-of-Way related stormwater issues
Roy King	Engineering Services (Hydraulics) Coordinator	(909) 383-4555	roy.king@dot.ca.gov	Primary contact for drainage-related stormwater issues.
Shelli Lombardo	Public Affairs Coordinator	(909) 383-6290	shelli.lombardo@dot.ca.gov	Coordinates with the DNC for public outreach and education at public events.
Tan Nguyen	Encroachment Permits Stormwater Coordinator	(909) 383-7544	tan.d.nguyen@dot.ca.gov	Primary contact for Permits-related stormwater issues.
Ray Desselle	Landscape Architecture Coordinator	(909) 383-4529	ray.desselle@dot.ca.gov	Implementation of post-construction erosion and sediment control for Caltrans projects; oversight for same on projects administered by local agencies. Fourth signatory on the long-form SWDR.
Hortensia Irigoyen	Planning Stormwater Coordinator	(909) 383-5905	hortensia.irigoyen@dot.ca.gov	Assists the DNC in Transportation Planning-related stormwater issues.
Wale Alofe	Project Management Stormwater Coordinator	(909) 381-1773	wale.alofe@dot.ca.gov	Assists the DNC in Project Management-related stormwater issues.

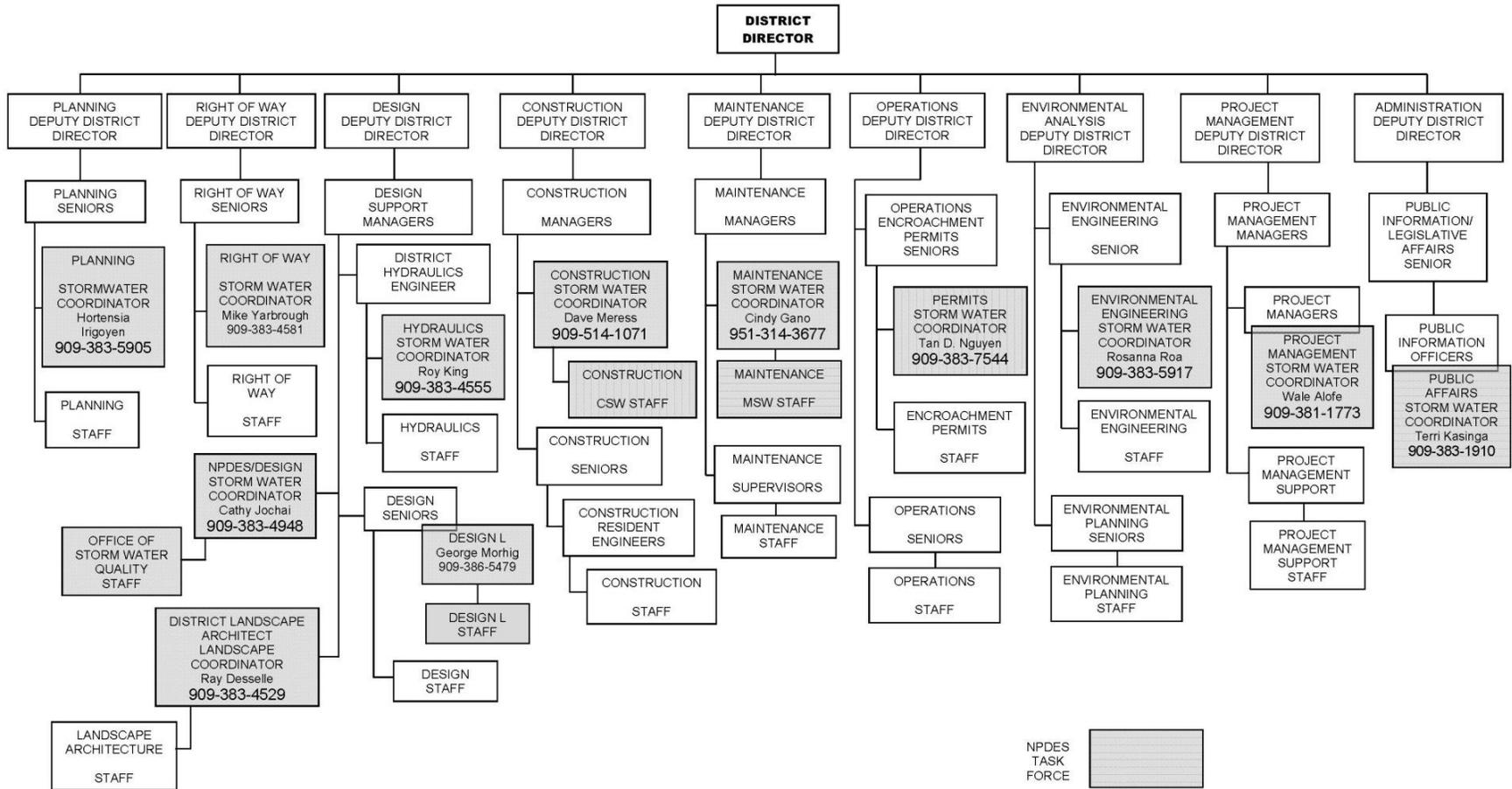
Table 2-2 lists individuals authorized to sign the documents, reports, and other information submitted by the District to either the SWRCB or the RWQCB(s). These individuals/positions may delegate authorization to their staff to sign various documents and reports required for implementation of the Stormwater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

Table 2-2: District 8 Signatory Authority for Key Documents

Position or Individual	Phone No.	E-mail	Documents Authorized for Signatures
Basem E. Muallem, District Director	(909) 383-6914	basem.muallem@dot.ca.gov	All District Documents. The role of Legally Responsible Person (LRP) has been delegated to the Deputy District Director of Construction, Hector Davila
Hector D. Davila, Deputy Director of Construction	(909) 383-4563	hector.d.davila@dot.ca.gov	Acts as the LRP for the District, delegates LRP role to local agencies (LA) via cooperative agreement when contracts for highway improvements on Caltrans' right-of-way are administered by an LA having no real estate interest.
District NPDES Stormwater Coordinator	(909) 383-4948	cathy.b.jochai@dot.ca.gov	All SWDRs, technical reports to Regional Boards, NEPA/CEQA certification of NPDES compliance
Construction Stormwater Coordinator	(909) 514-1071	dave.meress@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification, SWPPP Annual Report
Resident Engineer	-	-	Approved Signatory for NOI and PRDs on SWPPP projects. SWPPP Amendments, Notice of Termination, Notice and Report of Non-Compliance, Discharge or threat of Discharge Notification, Report of Illicit Connection/Discharge (IC/ID) for Construction
Design Senior Engineer	-	-	Notice of Soil Reuse with Aerially Deposited Lead (ADL)
Maintenance Stormwater Coordinator	(951) 314-3677	cindy.gano@dot.ca.gov	Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, Report of Illicit Connection/Discharge (IC/ID) for Maintenance, Facility Pollution Prevention Plans
Permits Coordinator, Permit Inspector	(909) 383-7544	tan.d.nguyen@dot.ca.gov	SWPPPs, Notice and Report of Non-Compliance, Discharge or Threat of Discharge Notification, NOI/NOT

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

Figure 2-1: District 8 Organizational Chart



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.

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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 8 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 8 Drinking Water Reservoirs and Recharge Facilities

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
SR 173, PM 17.8-21.5 SR 189, PM 3.5-5.5	SBd	6	Lake Arrowhead	Created in 1922, this lake is used for multiple purposes including water supply to a local community. The Lake Arrowhead Community Service District (LACSD) withdraws water from the lake for treatment and distribution to the Arrowhead Woods community for potable use.	LACSD emergency contact (909) 336-7100
SR 138, PM 24.9-32.4	SBd	6	Silverwood Lake	This lake was created in 1971 by the construction of the Cedar Springs Dam as a forebay on the California Aqueduct. The Crestline-Lake Arrowhead Water Agency (CLAWA) draws and treats lake water for a supplemental water supply to a portion of the San Bernardino Mountains.	CLAWA emergency contact (909) 338-1779
SR 395, PM 6.0-6.8	SBd	6	California Aqueduct	Part of the State Water Project (SWP), this aqueduct brings water from the San Joaquin-Sacramento River Delta to southern California. The east branch of the aqueduct ends at Silverwood Lake. Water conveyed by the east branch is used for multiple purposes including agricultural and domestic supplies.	SWP emergency contact (916) 574-2714
I-10 PM 4.8	SBd	8	Princeton Basin	This small basin is owned by San Bernardino County Flood Control District (SBCFCD). The basin receives water from a series of basins leading from Cucamonga Canyon and is listed as a percolation basin.	SBCFCD emergency contact (909) 387-8063

Table 4-1: District 8 Drinking Water Reservoirs and Recharge Facilities

Road Segment/ Facility	County	Regional Board	Drinking Water Reservoir or Recharge Facility Area	Description	Comments
I-15 PM 0.5-0.75	SBd	8	Wineville Basin	This basin is owned by San Bernardino County Flood Control District (SBCFCD). The basin receives water from Day Creek and the Etiwanda Channel and is used for flood control and groundwater recharge. The Chino Basin Watermaster (CBWM) was authorized under SWRCB Permit 19895 to recharge groundwater at this facility. The groundwater recharge was meant for irrigation, industrial and municipal uses.	SBCFCD emergency contact (909) 387-8063 CBWM emergency contact (909) 484-3888
I-15, PM 7.5	SBd	8	Victoria Basin	This basin is owned by San Bernardino County Flood Control District (SBCFCD). The basin receives water from East Etiwanda Creek and Etiwanda Channel and is listed as a percolation basin.	SBCFCD emergency contact (909) 387-8063
SR 74, PM 61.1-64.3	Riv	8	Lake Hemet	Created in 1895, this lake is currently owned and operated by the Lake Hemet Municipal Water District (LHMWD) and is primarily utilized as a domestic water supply. The primary inflow to the lake is San Jacinto River.	LHMWD emergency contact (951) 658-3241

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 Tables 5-1 and 5-2 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 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.

District 8 differentiates projects that have or will file a Notice of Intent under the Caltrans District 8 LRP (“State Advertised, Awarded and Administered”) from projects that filed or will file a Notice of Intent under a Local Agency LRP (“Local Agency Advertised, Awarded and Administered”). For the projects in Table 5-2, the Legally Responsible Person (LRP) is an officer of the local agency administering the contract, because the local agency either 1) has a real estate interest in the project, or 2) the LRP designation has been delegated to the agency by the District Director via the Construction Cooperative Agreement.

Since portions of RWQCB Regions 6, 7, 8 and 9 are within District 8, projects are sorted by Region, and then by the expense authorization number.

Table 5-1: District 8 Anticipated Project Development and Construction Schedule (State Advertised, Awarded and Administered)

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Region						PA&ED Date	PS&E Date	Start Date	End Date
1	04351	SBD	58warran powers	21.8	31.1	6	Realign and Widen To 4-Lane Expressway/Freeway (Phase 2)	Unnamed Desert Washes	Y	>30	C	15-May-13	1-Jan-14	5-Dec-14	19-Aug-16
2	0C121	SBD	395	19.05	35.6	6	Widen Median and Shoulders	Fremont and Buckthorn Wash, Surface Waters	Y	50.1	E	1-May-08	11-Apr-11	27-Dec-12	29-Dec-14
3	0G840	SBD	15	107.3	107.3	6	Demo and Rebuild CV Kane SRRA	Mojave River, unnamed surface waters	N	10.25	C	12-Jul-13	4-Oct-13	29-Aug-14	14-Oct-14
4	0J850	SBD	138	24.1	24.1	6	Replace Bridge	Horsethief Creek	Y	1.73	E	14-Nov-11	11-Sep-13	8-Aug-14	18-Dec-15
5	0M280	SBD	15	172.11	173.84	6	Replace Two Bridges	Wheaton Wash	Y	7.1	C	29-Jun-12	3-Feb-14	3-Nov-14	7-Mar-16
6	0N591	SBD	40	94.30	95.90	6	Bridge replacement	Clipper Wash	Y	6.0	E	13-Dec-12	1-Nov-13	18-Aug-14	5-Feb-16
7	0N970	SBD	395	35.5	45.9	6	Construct median buffer	Unnamed surface waters	Y	20.0	C	15-Jul-13	1-Dec-14	30-Nov-15	15-Nov-16
8	0P390	SBD	18	101.5	115.90	6	Widen exist shoulder	Freemont Wash	N	27.8	E	30-Dec-13	15-Jun-15	23-May-16	20-Apr-18
9	0Q120	SBD	18	99.45	100.90	6	Construct median curb	Oro Grande Wash	N	2.8	C	2-Jun-14	21-Mar-16	22-Dec-16	26-Apr-18
10	0Q600	SBD	2	3.60	4.10	6	Modify levee and place concrete slope protection	Sheep Creek	Y	>1	E	14-Feb-13	5-Jul-13	31-Jan-14	2-Jun-14

¹ Supplemental Environmental Projects designated as "SEP."

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

³ Water bodies with designation for 303(d) designation are noted in parentheses.

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

⁵ 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 8 Anticipated Project Development and Construction Schedule (State Advertised, Awarded and Administered)

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Region						PA&ED Date	PS&E Date	Start Date	End Date
11	0R710	SBD	15	87.26	91.81	6	Install double thrie beam barrier	Mojave River	N	>1	E	21-Nov-13	20-Aug-14	6-Aug-15	4-Dec-15
12	34770	SBD	58	0.0	12.90	6	Construct 4-Lane Express way	Planning Wash= Undefined Wash	Y	>20	C	2-May-14	13-May-16	2-May-17	1-May-20
13	3401U	SBD	138	2.9	15.2	6, 8	Widen to 4-Lanes from SR-18 to I-15 and Construct 4' Median Buffer	Mescal Ck, Jesus Cyn, Puzzle Cyn, Mtn. Ck, Sheep Ck, Cajon Wash	Y	114	C	29-Jun-12	5-Sep-13	7-Aug-14	16-Jun-16
14	35556	SBD	15	41.9	46	6	Reconstruct "D" ST, "E" ST and Widen Bridge	Oro Grande Wash, (Upper Mojave River)	Y	170	D-1, ID-12	30-Jun-08	3-Dec-13	20-Nov-14	24-Mar-17
15	36850	SBD	15	177.3	181.1	6	Construct Commercial Vehicle Enforcement Facility (phase 1)	Ivanpah Lake, Wheaton Wash	Y	131	ID-2	31-Mar-06	29-Jan-13	29-Jul-13	15-Sep-14
16	36851	SBD	15	87.1	181.1	6	Construct Ag Inspection Facility and demo existing facility in Yermo (phase 2)	Ivanpah Lake,	Y	85	ID-1	31-Mar-06	20-Feb-14	14-Ocr-14	2-Nov-15
17	0E410	RIV	10	24.24		7	Replace Portion of the Bridge Deck	San Gorgonio River	Y	1.53	E	5-Oct-09	28-Mar-11	21-Mar-12	20-Sep-13
18	0F660	SBD	247	1.8	9.6	7	Construct Shoulder	Surface Waters, Pipes Wash	Y	20.8	E	15-Mar-10	14-Jun-13	16-May-14	30-Jan-15
19	0G900	SBD	247	9.60	20.30	7	Construct standard paved shoulder	Pipes Wash	Y	49.45	C	16-Dec-12	12-Dec-13	9-Oct-14	4-Aug-15
20	0K310	SBD	95	51.22	51.65	7	Vertical Curve Correction	Unnamed Desert Washes	Y	4.81	E	13-Jan-12	3-Sep-12	20-Jun-13	20-Jun-14
21	0N550	SBD	40	105.2	106.5	7	Replace Bridge	Watson Wash	Y	36.27	E	3-Jan-14	5-Jan-15	19-oct-15	3-Nov-16

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No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Region						PA&ED Date	PS&E Date	Start Date	End Date
22	0N560	SBD	40	97.70	99.60	7	Bridge replacement	Rojo Wash and Clipper Valley Wash	Y	9.5	E	28-Nov-12	3-Feb-14	17-Nov-14	2-May-16
23	0N590	SBD	40	85.2		7	Bridge Replacement	Van Winkle Wash	Y	18.5	E	19-Oct-11	18-Apr-12	26-Mar-13	21-Feb-14
24	0Q110	RIV	10	44.5	50.45	7	Replace Chain Link Fence and Barbed Wire Fence with Concrete Barrier	Whitewater River	N	7.42	IF (>90%)	10-Feb-12	25-Sep-12	11-Jul-13	12-May-14
25	0Q790	SBD	40	93.60	93.60	7	Bridge replacement	Clipper Wash	Y	>1	E	24-Mar-14	19-Mar-15	29-Dec-15	8-Jun-17
26	0R130	SBD	62	16.75	25.20	7	Install two-way-left turn lane	Quail Wash	NA	>1	E	4-Mar-14	30-Jan-15	22-Oct-15	1-Feb-16
27	0R160	SBD	40	50.0	75	7	Re-grade median cross slope	Unnamed washes, Boundary and Orange Blossom Wash	Y	982	E	31-Jul-14	30-Nov-15	14-Oct-16	28-Sep-18
28	37870	SBD	62	142.2	142.9	7	Bridge Replacement	Colorado River	Y	12.7	E	30-Jun-08	24-Sep-09	3-Mar-11	12-Nov-13
29	44910	RIV	111	1.1	1.9	7	Replace Bridge	(Salton Sea)	Y	2.44	E	26-Jun-12	8-Mar-13	24-Mar-14	30-Jun-15
30	0G290	SBD	15	12.71	12.95	8	Widen Interchange Ramp at Sierra Ave	(Lytle Creek)	N	4.2	BS-1	24-Feb-12	12-Dec-12	5-Jul-13	5-Nov-13
31	0K520	SBD	15	11.1		8	Construct Master Planned Storm Drain Facility	Etiwanda Creek	Y	1	E	15-Jun-11	12-Oct-12	1-Apr-13	31-Oct-13
32	0K710	SBD	15, 215	14.0, 16.0	R16.4, 17.8	8	I-15/I-215 Interchange Improvements [Design-Build]	Cajon Creek, (Lytle Creek), unnamed surface waters	Y	236	C	29-Feb-12	31-Dec-13 (Estimated)	31-Dec-13 (estimated)	30-Sep-16
33	0M450	SBD	38	5.22	5.53	8	Add Left Turn Pockets	Zanja Creek	N	1.06	E	4-Feb-10	15-Mar-13	25-Nov-13	15-Dec-14

Table 5-1: District 8 Anticipated Project Development and Construction Schedule (State Advertised, Awarded and Administered)

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Region						PA&E Date	PS&E Date	Start Date	End Date
34	0P240	SBD	138	13.67	13.67	8	Construct Vista Point	Cajon Wash	NA	>1	C	1-Aug-13	2-Apr-14	3-Mar-15	12-Jan-17
35	0Q300	SBD	138	17.10	19.20	8	Construct two-lane new alignment with 3 wildlife crossings	Crowder Wash	Y	>20	C	16-Jul-13	3-Mar-14	27-Nov-14	30-Nov-16
36	0Q830	SBD	210	1.27	1.49	8	Increase cross slope/construct PCC	San Antonio Creek	NA	1.5	E	2-Aug-13	2-May-14	26-Jan-15	2-Sep-15
37	1A830	SBD	10	17.8	19.3	8	Widen Freeway and Modify Cedar Avenue Interchange	I-10 Channel	Y	15.8	C	31-Dec-12	7-Mar-14	7-Jul-14	30-Oct-15
38	38350	RIV	74	62.7	63.3	8	Replace Bridge	Hurkey Creek, Lake Hemet (DW)	Y	0.55	E	29-Jun-12	2-Oct-13	1-Jul-14	2-Jul-15
39	38434	SBD	10	9.9	24.5	8	Install Ramp Metering System and Widen On-Ramps	Day Creek, Etiwanda Cr., (Santa Ana River Reach 4)	N	9	E	1-Jul-08	20-Jan-11	7-Jun-12	12-Jun-14
40	4440U	SBD	215, 210	8.8, 21.8	10., 22.1	8	Add 2 lanes in each direction and modify interchanges (combined EAs 44407 and 00719)	Surface Waters tributary to (Lytle Creek) and Santa Ana River Reach 5	N	128	BS-3, D-1, ID-2	1-Dec-05	10-Dec-08	27-Nov-09	15-Nov-13
41	44840	RIV	91	15.6	21.6	8	Add HOV Lanes and Modify Interchanges	Santa Ana River (Reach 3 and 4)	N	89.6	BS-3, ID-4	30-Aug-07	28-Dec-10	19-Mar-12	5-Feb-16
42	44931	RIV	215, 60	R38.0, R12.2	R38.9, 13.6	8	Add HOV Lane in each direction	Santa Ana River (Reach 3)	Y	14.9	BS-4	1-Mar-02	19-Jan-10	11-Jul-11	3-Mar-14
43	0M200	RIV	371	68.2	73	9	Construct Shoulder	Cahuilla Creek	Y	15.4	C	3-Dec-12	3-Mar-14	29-Dec-14	18-Jul-16

Table 5-1: District 8 Anticipated Project Development and Construction Schedule (State Advertised, Awarded and Administered)

No.	EA	Project Location					Project Description ^{1,2}	Water Bodies Within or Adjacent to Project Limits ³	Dredge and Fill Activities (Y/N/NA) ⁴	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity ⁵	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	Region						PA&E Date	PS&E Date	Start Date	End Date
44	43272	RIV	15	5.5	9.6	9	French Valley Pkwy (FVP), Phase 2: Design and Construct FVP Interchange/ Arterials	(Santa Gertrudis Creek), (Murrieta Creek)	NA	>80	C	29-Jan-10	12-Feb-14	20-Jul-15	15-Jan-18

Treatment Control Status Legend	
BMP Device Types:	
BS	Biofiltration Strips and/or Swales
C	Under Consideration
D	Detention Devices
DWFD	Dry Weather Flow Diversion
E	Exempt
GSRD	Gross Solids Removal Devices
ID	Infiltration Devices
IF	Infiltration Device – Water quality volume (WQV) infiltrates within the right of way. (When this is demonstrated for at least 90% of the WQV, other types of treatment BMPs are not considered unless there is a location-specific requirement.)
MF	Media Filters
MCTT	Multi-chambered Treatment Trains
TST	Traction Sand Traps
WB	Wet Basins

Table 5-2: District 8 Anticipated Project Development and Construction Schedule (Local Agency Advertised, Awarded and Administered)

No.	EA	Project Location					Project Description ^{6,7}	Water Bodies Within or Adjacent to Project Limits ⁸	Dredge and Fill Activities (Y/N/NA) ⁹	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity ¹⁰	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB						PA&ED Date	PS&E Date	Start Date	End Date
1	ON580	SBD	18	94.3	94.46	6	Realign Intersection at Apple Valley Road, upgrade drainage	Desert Knolls Wash	Y	>1	C	30-Jan-13	3-Jun-13	2-Oct-13	1-Jul-14
2	OP400	SBD	15	44.4	186.20	6	Construct XpressWest rail line in and out of Caltrans ROW (Design-Build Project)	(Mojave River), Bell Mtn., Wild, Daggett, Kelso, Halloran Washes, Ivanpah Dry Lake	Y	>100	C	8-Mar-11	31-Dec-13	19-Mar-15	3-Jun-16
3	OQ970	SBD	18 395	100.7, 11.2	101.0, 11.5	6	Hwy widening and add median and signals	Oro Grande Wash	N	5.64	ID-1	1-Jun-12	4-Jan-13	15-Mar-13	2-Sept-13
4	34160	SBd	15	29.5	30.9	6	Construct new Interchange @ I-15 and Rancho Rd	Unnamed washes tributary to Oro Grande Wash	Y	48.43	BS-4, ID-2	18-Mar-10	15-May-12	19-Dec-12	23-Apr-14
5	OF050	RIV	10	44	45	7	Reconstruct Westbound Ramps at Riverside Dr	Whitewater River	N	9.88	ID-4	18-Aug-09	23-Jan-13	27-May-13	31-Jan-14

⁶ Supplemental Environmental Projects designated as "SEP."

⁷ Projects adjacent to Drinking Water Reservoirs or Ground Water Recharge Facilities are noted (DW) and (GW), respectively.

⁸ Water bodies with designation for 303(d) designation are noted in parentheses.

⁹ If yes, a 401 permit will be required for this project. NA = Not Available at this time.

¹⁰ 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.

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		Co.	Route	Begin PM	End PM	RB						PA&ED Date	PS&E Date	Start Date	End Date
6	0F120	RIV	10	44.8	46.6	7	Construct New Interchange at Portola Avenue	Whitewater River	N	64	C	13-May-13	26-Feb-16	5-Dec-16	4-May-18
7	0L690	SBD	62	10.8	11.38	7	Roadway Widening, Raised Median, Sidewalk Improvements	Unnamed Desert Washes	N	2.4	E	1-Jun-12	31-Dec-12	15-Apr-13	5-Dec-13
8	0Q160	SBD	62	30.7	32.88	7	Roadway Widening	Unnamed Desert Washes	N	>1	C	1-Apr-13	2-Dec-13	17-Mar-14	3-Nov-14
9	1A790	SBD	62	9.6	12.2	7	Construct Sidewalk and Raised Medians	Unnamed Desert Washes	N	2.26	E	2-Feb-09	1-Oct-12	26-Feb-13	26-Sep-13
10	33471	RIV	10	11.1	11.6	7	Construct Grade-Separation Underpass For Union Pacific Railroad	Smith Creek	N	13.37	E	28-Feb-11	30-Nov-12	4-Nov-13	1-Jun-15
11	47520	RIV	10	51.70	53.10	7	Reconstruct/realign Jefferson St interchange	(Coachella Valley Storm Channel)	N	40.75	C	28-Mar-13	10-Oct-13	1-Mar-14	21-Jan-16
12	0071V	SBD	215	6.5	8.9	8	Add 2 HOV Lanes (Formerly EAs 00716, 0071A)	(Lytle Creek), Warm Creek	N	134	BS-14	1-Dec-05	5-Jan-09	14-Sep-09	13-Sep-13
13	0A020	RIV	215	R14.8	14.8	8	Reconstruct Interchange @ Scott Rd	Unnamed washes	Y	47.2	C	2-May-11	15-Mar-13	3-Nov-14	29-Apr-16

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		Co.	Route	Begin PM	End PM	RB						PA&ED Date	PS&E Date	Start Date	End Date
14	0E520	RIV	215	32.3	35.93	8	Interchange Improvement at Van Buren	Unnamed surface waters	Y	19	BS-9	3-Mar-09	31-Aug-11	6-Jun-12	5-Jun-14
15	0F150	SBd	10	33.3	R36.9	8	Add 1 lane in WB direction	San Timoteo Creek	N	13.32	BS-3	30-Jul-07	1-Sep-09	7-Mar-11	1-Dec-14
16	0F162	RIV	215	R14.2	R28.5	8,9	Add 1 lane in each direction	Paloma Wash, Salt Creek, Sun City Channel, San Jacinto River	Y	80	BS-60	13-Apr-11	7-May-12	31-10-12	16-Nov-15
17	0F320	RIV	999	0.0	16.1	8	Construct new corridor-Mid-County Parkway	San Jacinto River	Y	>100	C	30-Aug-13	Unknown at this time	Unknown at this time	Unknown at this time
18	0F540	RIV, ORA	91,15	00.0, 35.64, R14.4	13.04,45.14, R18.9	8	Construct Mixed Flow and Toll Lanes (Design-Build project)	Santa Ana River Rch 2 and (Rch 3), (Temescal Crk, Rch 1), Wardlow Wash	Y	470	C	10-Aug-12	14-Oct-14	22-Jul-13	19-Jul-18
19	0F541	RIV	91	0.6	2.6	8	Construct Eastbound 91 To Northbound 71 Loop Connector, Collector-Distributor System Eastbound	(Santa Ana River Reach 3), Wardlow Wash, Fresno Cyn, Aliso Creek	Y	54.5	C	29-Jun-11	11-Apr-14	25-Nov-14	13-Oct-16
20	0H130	SBD	15	9.82	11.94	8	Construct New Interchange at Duncan Canyon Road	San Sevaine Channel	N	35.1	BS-8, D-1	3-Dec-09	14-May-12	15-Oct-12	14-Oct-14

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		Co.	Route	Begin PM	End PM	RB						PA&ED Date	PS&E Date	Start Date	End Date
21	OJ070	SBD	215	0.58	1.95	8	Reconstruct Interchange at Barton Rd	Riverside Canal, (Santa Ana River Reach 4)	Y	29.6	C	10-Jul-13	19-Nov-14	16-Jun-15	11-Dec-17
22	OJ400	SBD	10	4.10	6.10	8	Construct interchange at Grove Avenue	Princeton Basin (GW), Cucamonga Channel	Y	>10	C	3-Jun-14	14-Aug-16	31-Oct-17	14-Dec-19
23	OJ440	RIV	215	17.4	19.3	8	Modify Interchange From 6 To 8 Lanes at Newport Rd, Interchange	San Jacinto River	Y	35	C	8-Nov-12	4-Sep-13	26-Dec-13	24-Jun-15
24	OJ610	RIV	15	36.1	37.64	8	Reconstruct Cajalco Interchange on I-15	Bedford Canyon Creek	Y	32.1	C	1-Jul-09	1-Nov-13	4-Jul-14	1-Jul-16
25	ON690	RIV	60	22.2	26.5	8	Construct a truck climbing lane	Unnamed washes, San Timoteo Creek	NA	52	C	2-Jun-14	4-Sep-15	27-Jun-16	13-Jul-18
26	OP300	SBD	215	13.9	14.3	8	Construct Park and Ride @ Palm Dr IC for Omnitrans SBX	Cable Creek Channel	N	3.4	ID-1	21-Jun-11	29-Jun-11	2-Mar-12	2-Sept-13
27	OP760	SBD	66	21.2	21.51	8	Intersection and drainage Improvements	(Lytle Creek)	NA	>1	C	3-May-12	1-May-13	4-Sep-13	2-Sep-14
28	OQ320	SBD	210	30.23	30.23	8	Widen ramps, construct tie back wall	Santa Ana River Reach 5, City Creek	NA	>1	C	1-Apr-13	5-Aug-13	5-11-13	4-Aug-14

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		Co.	Route	Begin PM	End PM	RB						PA&ED Date	PS&E Date	Start Date	End Date
29	0Q640	RIV	91	R1.1		8	Construct embankment, access road and extend culvert	Santa Ana River (Reach 2)	NA	2.75	E	21-Jun-11	5-July-11	17-Oct-11	6-Sept-13
30	0Q670	RIV	215	27.32	28.31	8	Widen ramps, install/ modify signals. Construct drainage systems, retaining walls	Surface Waters	NA	?	?	1-Oct-12	1-Nov-12	18-Jan-13	1-Oct-13
31	32301	RIV	60	18.8	19.6	8	EB Ramp Modifications and Aux Lane (phase 1)	Unnamed Surface Waters tributary to San Jacinto River	Y	16.3	BS-4	10-Dec-07	21-Aug-12	5-Sep12	26-Jul-13
32	32302	RIV	60	18.1	18.8	8	Replace Nason St. Overcrossing (phase 2)	Unnamed Surface Waters tributary to San Jacinto River	N	31.13	BS-3	10-Dec-07	5-Jul-12	31-Oct-12	24-Dec-13
33	32303	RIV	60	18.9	19.8	8	WB Ramp Modifications and Aux Lane (phase 3)	Unnamed Surface Waters tributary to San Jacinto River	Y	10	ID-1	10-Dec-07	13-May-13	15-Nov-13	1-Jul-15

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		Co.	Route	Begin PM	End PM	RB						PA&ED Date	PS&E Date	Start Date	End Date
34	34141	Riv	60	29.0	30.2	8	Construct Potrero Rd overcrossing (phase 1 of interchange)	Coopers Creek	Y	>5	C	5-Dec-12	1-Apr-13	15-Jul-13	3-Nov-14
35	34142	RIV	60	28.3	30.0	8	Construct New Interchange @ Potrero Road (phase 2)	Coopers Creek	Y	>20	C	5-Dec-12	1-Mar-13	8-Aug-14	28-May-15
36	4437L	SBd	210	14.80	16.30	8	Highway Landscaping	Etiwanda San Sevaine Channel	N	40.4	E	18-May-09	30-Apr-10	11-Apr-11	13-Mar-15
37	4438L	SBd	210	16.3	18.3	8	Highway Landscaping	Etiwanda San Sevaine Channel	N	3.2	E	18-May-09	29-Apr-11	19-Jan-12	5-Feb-18
38	44394	SBD	210	19.3	20.1	8	Construct Interchange @ Pepper Ave	(Lytle Creek)	Y	>10	C	16-Oct-13	1-Sep-14	30-Jan-15	17-Feb-16
39	4440L	SBD	210	R20.3	21.9	8	Highway planting (Segment 11)	(Lytle Creek), surface waters	N	2.14	E	15-May-09	24-Apr-12	22-May-13	8-Jun-15
40	44811	SBD	10	25.5	26.3	8	Reconstruct Interchange and Add Auxiliary Lanes at Tippecanoe Ave (phase 1)	San Timoteo Wash	Y	6.1	BS-1	27-Jan-11	22-Dec-11	20-Aug-12	18-Sep-14
41	44812	SBD	10	25.3	27.3	8	Reconstruct Interchange and Add Auxiliary Lanes at Tippecanoe Ave (phase 2)	San Timoteo Wash	Y	20.4	BS-2	27-Jan-11	5-Apr-13	3-Dec-13	1-Jul-15

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No.	EA	Project Location					Project Description ^{6,7}	Water Bodies Within or Adjacent to Project Limits ⁸	Dredge and Fill Activities (Y/N/NA) ⁹	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity ¹⁰	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB						PA&ED Date	PS&E Date	Start Date	End Date
42	46420	RIV	215, 74	25.5, 27.3	27.0, 27.6	8	Interchange Modification	Unnamed trib to San Jacinto River	N	29.5	BS-5, ID-3	10-Mar-09	17-Nov-09	2-Aug-10	22-Jul-15
43	46800	SBd	10	12.3	14.1	8	Reconstruct Cherry Ave. Interchange	Surface waters tributary to Santa Ana River (Reach 3)	N	26.4	BS-4	2-Mar-09	8-Sep-11	22-Oct-12	6-Oct-14
44	46810	SBd	10	14.8	15.5	8	Reconstruct Citrus Ave Interchange	Surface waters tributary to Santa Ana River (Reach 3)	N	31.9	BS-1, ID-1	5-Dec-08	29-Jun-11	9-Mar-12	25-Feb-14
45	49400	RIV	79	15.8	33.8	8	Realignment to 6-Lane (funded through PAED only)	(Temecula Creek) and San Jacinto River	Y	>50	C	1-Oct-13	Unknown	Unknown	Unknown
46	49710	SBD	15	6.3	7.1	8	Interchange Improvement at Baseline Rd	East Etiwanda Cr/ San Sevaine Channel	Y	66	BS-9, ID-2	30-Sep-11	1-Jul-13	10-Apr-14	2-Oct-15
47	0F163	RIV	215	8.0	10.0	9	Add lane to SB connector	(Warm Springs Creek), unnamed dry washes	Y	>5	C	1-Oct-13	1-Sep-14	30-Apr-15	17-Oct-16
48	0H380	RIV	15	9.5	10.5	9	Remove and Reconstruct Bridge at Los Alamos Overcrossing	(Murrieta Creek)	N	2.03	E	27-May-10	1-Nov-12	21-Mar-13	21-Aug-14
49	0K400	RIV	79	7.6	8.4	9	Improve Winchester Road	(Warm Spring Creek)	NA	1.84	ID-3 (off-Hwy)	1-Apr-09	2-Sep-11	5-Mar-14	2-Dec-14

Table 5-2: District 8 Anticipated Project Development and Construction Schedule (Local Agency Advertised, Awarded and Administered)

No.	EA	Project Location					Project Description ^{6,7}	Water Bodies Within or Adjacent to Project Limits ⁸	Dredge and Fill Activities (Y/N/NA) ⁹	Disturbed Land Area (acres)	Treatment Control Status Type, Quantity ¹⁰	Anticipated Project Delivery Schedule		Construction Period	
		Co.	Route	Begin PM	End PM	RB						PA&ED Date	PS&E Date	Start Date	End Date
50	0L190	RIV	79	7.6	8	9	Modify Intersection	French Valley Creek	N	3.1	BS-1	5-Jan-09	1-Dec-11	5-Mar-14	2-Dec-14
51	0Q530	RIV	015	8.80	9.90	9	Interchange Improvement @ Murrieta Hot Spr Rd.	Unnamed washes	Y	>5	C	3-Jun-13	3-Dec-13	4-Feb-14	1-Sep-14
52	43271	RIV	15	6.6	7.6	9	Design/Construct FVP, Aux Lane and Widen Ramp	(Santa Gertrudis Cr.), (Murrieta Cr.)	Y	16.4	BS-2	29-Jan-10	1-Aug-11	28-Mar-12	15-Nov-13
53	46462	RIV	79	8.4	12.2	9	Widen To 4-Lane Highway (Phase 2)	(Temecula Creek)	Y	36.5	BS-22	28-Dec-10	12-Dec-11	17-Dec-12	18-Sep-13

Treatment Control Status Legend

BMP Device Types:

BS	Biofiltration Strips and/or Swales
C	Under Consideration
D	Detention Devices
DWFD	Dry Weather Flow Diversion
E	Exempt
GSRD	Gross Solids Removal Devices
ID	Infiltration Devices
IF	Infiltration Device – Water quality volume (WQV) infiltrates within the right of way. (When this is demonstrated for at least 90% of the WQV, other types of treatment BMPs are not considered unless there is a location-specific requirement.)
MF	Media Filters
MCTT	Multi-chambered Treatment Trains
TST	Traction Sand Traps
WB	Wet Basins

Table 5-3 lists planned maintenance activities involving water bodies that may require action by the RWQCB under Section 401 of the Clean Water Act.

Table 5-3: District 8 Anticipated Maintenance Activities and Other Management Practices

Significant Road Maintenance Activities								
No.	Co.	Route	PM	Regional Board	Description	Water Bodies Affected ¹¹	Start Date	Completion Date
	SBD	I-15	44.4-52.0	6	Crack sealing, grader blankets, materials pass, SC-3000 and cinders; winter snow activities	Mojave River	8/13	10/14
	SBD	SR-138	24.5 / 37.0	6, 8	Crack sealing, grader blankets w/SC-3000, culvert clearing, berm restoration, re-establish lateral support w/ imported material, winter snow and ice control	Silverwood Lake	7/1/13	6/30/14
	SBD	SR-173	13.8 / 23.0	6	Crack sealing, grader blankets w/SC-3000, culvert clearing, berm restoration, re-establish lateral support w/ imported material, winter snow and ice control	Arrowhead Lake	7/1/13	6/30/14
	SBD	SR-189	1.0/5.6	6	Crack sealing, grader blankets w/SC-3000, culvert clearing, berm restoration, re-establish lateral support w/ imported material, winter snow and ice control	Arrowhead Lake	7/1/13	6/30/14
	SBD	I-15	29.6/70.1	6	Overlay Pavement (EA 0Q470)	Mojave River	7/5/13	12/2/13
	SBD	I-15	R20.0-R29.5	6, 8	Winter snow activities, culvert clearing	Cajon Creek	12/13	2/14
	SBD	SR-18	44.3 / 52.7	8	Crack sealing, grader blankets w/SC-3000, culvert clearing, berm restoration, re-establish lateral support w/imported material, winter snow and ice control	Big Bear Lake	7/1/13	6/30/14
	SBD	SR-18	46.7/47.5	8	Repair/Replace Culverts (EA 0N850)	Big Bear Lake, Metcalf Creek	7/4/13	6/2/14
	SBD	SR-38	49.6 / 59.4	8	Crack sealing, grader blankets w/SC-3000, culvert clearing, berm restoration, re-establish lateral support w/ imported material, winter snow and ice control	Big Bear Lake	7/1/13	6/30/14

¹¹ 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 5-4 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 5-4: District 8 General Management Practices

Monitoring Activities						
<p>The District plans to:</p> <ul style="list-style-type: none"> • Work with each Regional Board within its jurisdiction, in conjunction with the State Board and the HQ Division of Environmental Analysis, to develop monitoring plans for each TMDL in which the District is named, as appropriate for Phase I or Phase II. • Inspect construction activities through the Construction Compliance Monitoring Program; results will be provided in the Annual Report. • Review and approve sampling and analysis plans in construction for Risk Level 2 and 3 projects • Inspect maintenance activities 						
Public Education and Participation						
<p>The District plans to:</p> <ul style="list-style-type: none"> • Use project informational meetings to explain to the public why stormwater treatment and specialized erosion control measures are included in upcoming projects. • Include stormwater educational materials in any public events in which the District participates, as allowed by budget and policy. 						
Municipal Coordination						
<p>The District plans to:</p> <ul style="list-style-type: none"> • Conduct coordination meetings on a regular basis with various local agencies funding highway improvement projects. • Participate in TMDL workgroups with other named stakeholders. • Make District stormwater training courses available for participation by local agencies on a space-available basis. • Notify, via written correspondence, the municipalities of any illicit discharges or connections discovered within the District ROW and associated with a municipality’s jurisdiction. • Notify, via written correspondence, the local agencies of any changes to Caltrans’ stormwater design guidelines or policies. 						
<p>The District has cooperative agreements in effect with local agencies, including:</p>						
County	Route	Begin PM	End PM	Regional Board	Local Agency	Purpose of Agreement
SBd	15	29.5	30.9	6	San Bernardino Associated Governments (SANBAG)	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to SANBAG, for Project EA 34160- see Table 5-2
RIV, ORA	91,15	00.0, 35.64, R14.4	13.04, 45.14, R18.9	8	Riverside County Transportation Commission (RCTC)	Design-build terms, including LRP and Approved Signatory delegation from Caltrans to RCTC, for Project EA 0F540- see Table 5-2
Riv	60	29.0	30.2	8	City of Beaumont	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to City, for Project EA 34141- see Table 5-2

Table 5-4: District 8 General Management Practices

RIV	60	28.3	30.0	8	City of Beaumont	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to City, for Project EA 34142- see Table 5-2
RIV	79	R8.4	R12.24	9	Riverside County	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to County, for Project EA 46462- see Table 5-2
RIV	215, 74	25.5, 27.3	27.0, 27.6	8	RCTC	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to RCTC, for Project EA 46420- see Table 5-2
RIV	215	R14.2	R28.5	8,9	RCTC	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to RCTC, for Project EA 0F162- see Table 5-2
RIV	215	R32.32	R35.93	8	Riverside County	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to County, for Project EA 0E520- see Table 5-2
SBD	10	25.5	26.3	8	SANBAG	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to SANBAG, for Project EA 44811- see Table 5-2
SBd	10	33.3	R36.9	8	SANBAG	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to SANBAG, for Project EA 0F150 see Table 5-2
SBd	210	16.3	18.3	8	SANBAG	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to SANBAG, for Project EA 4438L see Table 5-2
SBd	10	12.3	14.1	8	SANBAG	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to SANBAG, for Project EA 46800 see Table 5-2
SBd	10	14.8	15.5	8	SANBAG	Advertise, Award and Administer Construction, including LRP and Approved Signatory delegation from Caltrans to SANBAG, for Project EA 46810 see Table 5-2

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 8 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

Table 6-1: District 8 TMDL Activities

Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
7	Coachella Valley Storm Channel Bacteria TMDL	4/27/12	Monitoring	Complete phase 1 monitoring activities within 3 years of TMDL approval (April 2015)	Implement proposed 2-year bacterial indicator monitoring program	District 8 will continue to coordinate with City and Riverside County stakeholders at least quarterly via Desert Task Force meetings	Meetings between Caltrans and Region 7 will occur to discuss the monitoring plan submitted in January 2013. Once the Regional Board has approved Caltrans' monitoring plan, a task order to initiate monitoring will be submitted by District 8 to HQ-DEA.
8	Big Bear Lake Nutrient TMDL for Dry Hydrologic Conditions	9/25/2007	Determine Caltrans portion of the 475 pounds of Phosphorus allocated to Urban dischargers; Program Sediment Source Control Projects that also reduce nutrients in the watershed from entering the lake	Allocation compliance to be achieved no later than December 31, 2015	Upcoming meetings between District 8 and the Santa Ana RWQCB will determine the watershed monitoring activities required under Caltrans' renewed MS4 Permit.	District 8 will continue to participate in the current informal stakeholder workgroup and coordinate with other MS4 dischargers and the United States Forest Service regarding nutrient reduction efforts.	Meetings between District 8 and the Santa Ana RWQCB will determine monitoring and specific reduction measures per the Caltrans Amendment to Action Plan under the renewed Caltrans MS4 Permit, effective July 2013.
8	Lake Elsinore/Canyon Lake Nutrient TMDL	10/2/2005	District 8 is considering the nutrient reduction options developed by the Lake Elsinore/ Canyon Lake Task Force.	Meet interim Targets by 9/30/2015	See the "Planned Actions" column	District 8 will continue to coordinate with other stakeholders by attending TMDL Task Force meetings.	Meetings between District 8 and the Santa Ana RWQCB will determine the monitoring and specific nutrient reduction measures to be implemented under the renewed Caltrans MS4 Permit, effective July 2013. Future participation in the current TMDL Task Force Agreement will also be determined.

Regional Board	TMDL Name	Effective Date	District Specific Implementation Activities	Compliance Date (if applicable)	Monitoring	TMDL Municipal/ Stakeholder Coordination	Planned Actions
9	Rainbow Creek Nutrient TMDL	3/22/2006	Achieve 20% reduction Nitrogen (N) and Phosphorus (P)	12/31/2009	As District 8 facilities discharge all runoff to State R/W in District 11, District 11 is the lead for this TMDL. Geotechnical work by District 11 showed treatment BMPs were not feasible. District 11 discussions with the San Diego RWQCB are ongoing.	District 11 will continue coordinating with San Diego County and other stakeholders.	A sampling Task Order has been initiated by District 11 to determine the status of Caltrans' runoff.
			Achieve 40% reduction N and P	12/31/2013			
			Achieve 60% reduction N and P	12/31/2017			
			Achieve final WLA (74% reduction N and 85% reduction P)	12/31/2021			

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