

California Regional Water Quality Control Board San Diego Region



David Gibson, Executive Officer

Executive Officer's Report December 11, 2019

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Part A – San Diego Region Staff Activities

1. Personnel Report

Staff Contact: Dulce Romero

An updated staff list of the San Diego Water Board can be viewed at https://www.waterboards.ca.gov/sandiego/board_info/agendas/2019/sep/RegionalBoard_Staff.pdf

Departures

- After 25 years of State service John Odermatt, Senior Engineering Geologist in the Ground Water Protection Unit, retired from service on October 28, 2019. John shared his expertise and made an impact in nearly every program in the office and most recently lead the Landfill, Recycled Water, and Waste Discharge Requirement Programs. John's leadership and diligence has not only protected and restored water quality in our Region, it has prepared a new generation of Water Board staff to carry on his quest to "protect our water quality future." John is looking forward to spending more time with his family.
- After 34 years of State service John Anderson, Senior Engineering Geologist in the Site Restoration Unit, retired from service on December 1, 2019. While John started his career with the Water Board at Region 7 developing Waste Discharge Requirements for the first Class 1 hazardous waste landfill in California, he has worked in several programs at the San Diego Water Board including Basin Planning, Landfills, Underground Storage Tanks, Department of Defense, and Site Cleanup. John has spent the last 26 years sharing his extensive geological expertise as the lead of the Site Cleanup Program. John's management of the sediment cleanups around San Diego Bay has led to the identification and removal of contaminated sediment from the Bay and a path forward for restoration of the beneficial uses of the Bay. John is looking forward to traveling and enjoying more time with his wife, kids and grandkids.

Recruitment

- Site Restoration and Groundwater Protection Branch
Applications are being accepted for two Engineering Geologists in the Site Restoration Unit and one Engineering Geologist and one Senior Engineer Geologist in the Military Facilities Unit.
- Surface Water Protection Branch
Interviews are being conducted to hire a Water Resources Control Engineer in the Storm Water Management Unit.

Rotation

- Roger Mitchell, a Senior Engineering Geologist, was redirected from the Site Restoration Military Facilities Unit to the Groundwater Protection Unit. Roger began his new position on October 31, 2019

Promotions

- Sarah Mearon, an Engineering Geologist in the Site Restoration Unit, accepted the Senior Engineering Geologist position to oversee the Site Restoration Unit. She began her new duties on November 30, 2019.
- Nicole Gergans started on December 2, 2019 as a Senior Environmental Scientist (Specialist) in the Healthy Waters Branch. This is a limited term position dedicated to evaluating and potentially carrying forth a Basin Plan amendment to revise the water quality objectives for total dissolved solids in certain groundwater basins within south Orange County. Since 2015 Nicole has been an Environmental Scientist in the Wetland and Riparian Protection Unit and the Restoration and Protection Planning Unit.

Information on vacancies can be viewed at

https://www.waterboards.ca.gov/sandiego/about_us/employment/.

2. San Diego Diplomacy Council's Sustainable Cities Delegation

Staff Contact: Brandon Bushnell

On October 14, 2019 the San Diego Water Board hosted a conference for the San Diego Diplomacy Council's Sustainable Cities Delegation. The Delegation, consisting of representatives from Algeria, Chad, Cote d' Ivoire, Ghana, Haiti, Mali, Namibia, Nigeria, and Senegal discussed issues associated with sustainable local water supplies, recycled water, and desalination. San Diego Water Board and San Diego County Water Authority staff attended the conference. As part of the days' events, San Diego Water Board staff member Brandon Bushnell delivered an adapted version of his August 14, 2019, Board meeting presentation titled, *Sustainable Local Water Supply: Recycled Water, Desalination, and Statewide Resiliency*. Following the presentation, San Diego Water Board staff members Brandon Bushnell, Ben Neill, and Fisayo Osibodu answered the delegates technical questions regarding desalination and potable reuse. Delegation members also expressed an interest in understanding the complex relationship between the San Diego County Water Authority, its member agencies, and the San Diego Water Board, as well as public outreach efforts when embarking on new water supply projects. The Delegation was extremely thankful for the San Diego Water Board's participation and board staff conveyed an open invitation to share its knowledge about sustainable local water supplies, recycled water, and desalination with future delegations.



Part B – Significant Regional Water Quality Issues

1. 2018 Triennial Review Project No. 1: Tijuana River Valley Water Quality Restoration

Staff Contact: Melissa Corona

A. PROJECT INFORMATION

Project Lead: *Melissa Corona*

Supervisor: *Cynthia Gorham*

Report Date: December 2019

Report Period: August-November 2019

Overall Status: On track

Website:

https://www.waterboards.ca.gov/sandiego/water_issues/programs/tmdls/tijuanarivervalley.html

Project Description:

The purpose of this project is to develop Total Maximum Daily Loads (TMDLs) for indicator bacteria and trash in the Tijuana River because the San Diego Water Board has identified human health and ecosystem impacts in the Tijuana River Valley as regional priorities for many years. The TMDL development process includes timely communication with the Tijuana River Valley Recovery Team, selecting numeric targets, identifying pollutant load reductions, and evaluating potential management actions.

Although the Tijuana River is on the 2014/2016 Clean Water Act Section 303(d) List of Water Quality Limited Segments for impairments due to a total of 20 pollutants, control of the anthropogenic sources of indicator bacteria and trash is likely to result in a significant reduction of the remaining pollutants.

Project Objective:

The objective is to reduce pollutant loads entering the Tijuana River in order to restore and maintain the chemical, physical, and biological integrity of the Tijuana River as well as the downstream Tijuana River Estuary and coastal waters.

Triennial Review Commitments:

Development of TMDLs for indicator bacteria and trash with implementation plans to restore impaired waters in the Tijuana River Valley.

Key Milestone	Target Date	Status
California Environmental Quality Act (CEQA) scoping meeting	May 15, 2019	Completed
Peer review of draft TMDL staff report	Summer 2020	On track
Public review of draft TMDL staff report	Winter 2020-21	On track
Basin Plan amendment package to San Diego Water Board for adoption	August 2021	On track

B. PROGRESS REPORT: Tijuana River Valley TMDLs Reporting Period Events

Reporting Period Events

Accomplishments during period	Completion of CEQA analysis
Collaboration during period	Briefing to Tijuana River Valley Recovery Team Steering Committee (September 19)
Activities planned but not completed	None
Key issues during period	Staff time was split across several other non-TMDL activities involving the Tijuana River Valley and another priority project from the 2014 Triennial Review.

Looking Forward

Activities planned for next period
Key issues on the horizon

Continue preparation of TMDL staff report
This project could be affected by a number of efforts involving the Tijuana River Valley, including the San Diego Water Board's involvement in a lawsuit against the United States Section of the International Boundary and Water Commission (USIBWC), action on a tentative investigative order to USIBWC for monitoring water and sediment, efforts regarding IBWC Minute 320, and efforts led by the Tijuana River Valley Recovery Team.

2. 2018 Triennial Review Project No. 3: Contact Water Recreation (REC-1) Water Quality Objectives

Staff Contact: Michelle Santillan

A. PROJECT INFORMATION

Project Lead: Michelle Santillan
Supervisor: Cynthia Gorham

Report Date: December 2019
Report Period: August-November 2019
Overall Status: Delayed

Website:

http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/issue3.shtml

Project Description:

The purpose of this project is to implement and track progress of recommendations outlined in the [2014 Triennial Review Project Summary Report \(2018\)](#). The goal is to focus on short-term actions that can be completed within the next three years.

Project Objective:

1. To protect REC-1 beneficial uses;
2. To adopt new and/or updated regulations based upon the latest technical findings and scientific understanding;
3. To facilitate effective use of resources by regulated parties; and
4. To ensure judicious use of San Diego Water Board resources.

Triennial Review Commitments:

Staff committed to focus on short-term actions that can be completed within the next three years that were identified in the 2018 recommendations report for the 2014 Triennial Review REC-1 project. These actions may include:

1. Updating the municipal separate storm sewer systems (MS4) permit;
2. Updating waste discharge requirements for sanitary sewer systems;
3. Issuing an Investigative Order for the San Diego River Watershed; and
4. Updating Chapter 3 of the Basin Plan to reflect the latest statewide water quality standards for bacteria in the Water Quality Control Plans for Inland Surface Waters, Enclosed Bays and Estuaries of California, and for Ocean Waters of California.

Key Milestone	Target Date	Status
Draft Basin Plan Amendment for Public Review	May 2019	Delayed
Executive Officer Summary Report	May and Nov 2019	Completed
Public Hearing for San Diego River Watershed Investigative Order	June 2019	Adopted by San Diego Water Board on June 12, 2019
Public Workshop for MS4 Permit Renewal	TBD	
Draft Revisions to Regional WDRs for Sanitary Sewer Systems	TBD	Staff is reviewing the State Water Board effort to identify proposed revisions to statewide requirements for sanitary sewer systems.
Basin Plan Amendment for Board Consideration	December 2019	Delayed to Spring 2020 due to requirement to make Basin Plan ADA compliant.

B. PROGRESS REPORT: REC-1 Water Quality Objectives**Reporting Period Events**

Accomplishments during period	n/a
Collaboration during period	<ul style="list-style-type: none"> • Staff is participating in a committee for the revisions of the Statewide General Waste Discharge Requirements for Sanitary Sewer Systems. • The internal REC-1 workgroup met in August and October 2019.
Activities planned but not completed	The public release of the draft Basin Plan Amendments documents was delayed.

Key issues during period

Documents posted on the San Diego Water Board website are now required to comply with the American's with Disabilities Act (ADA). Making draft Basin Plan amendment documents ADA compliant will require additional staff time and resources. Staff is evaluating options to minimize the impact on project timelines. The Basin Plan must be ADA compliant before the Basin Plan amendment can be completed. Consultants began work on the Basin Plan in October.

Looking Forward

Activities planned for next period

- A draft Basin Plan Amendment is expected to be released this Winter for public review and comment.
- The Investigative Study Workplan required under the San Diego River Investigative Order No. 2019-0014 is due to the San Diego Water Board in December 2019.

Key issues on the horizon

none

3. 2020 Regional Enforcement Priorities

Staff Contact: Chiara Clemente

To help ensure the fairness and impartiality of formal enforcement proceedings, the functions of those who will act in a prosecutorial role by presenting evidence for consideration by the San Diego Water Board (Prosecution Team) are separated from those who will provide advice to the San Diego Water Board (Advisory Team). Advisory and prosecution staff members (led by the Executive Officer and Assistant Executive Officer, respectively) met in November for an annual evaluation of regional enforcement priorities, in accordance with the State Water Board's [2017 Enforcement Policy](#) and the San Diego Water Board's subsequent [Resolution No. R9-2018-0043](#). Since the 2018 Resolution, the Board's direction has been to prioritize enforcement of violations that affect one or more [key beneficial use categories](#) (i.e. municipal water supply, fish and shellfish consumption, recreation, and ecosystem health) in a key area for the specific use. In accordance with Resolution No. R9-2018-0043, this report serves as notice to the Board and the public that the Executive Officer does not recommend any changes to the regional enforcement priorities for 2020.

Examples of priority enforcement scenarios might include sanitary sewer overflows that result in beach closures at intensively used beaches, unauthorized discharges with pollutants that affect a local water supply, unreasonable delays in bay sediment cleanups, or unpermitted alteration of high quality or reference stream areas. Selection of new enforcement cases by the Prosecution staff revolves around a discussion of these types of violations.

As directed by the Board during its endorsement of the 2018 regional enforcement priorities, secondary factors for consideration include statewide prioritization criteria

listed in the 2017 Enforcement Policy. Those factors include compliance history, magnitude of the impacts (i.e. degree of harm), strength of the evidence, available staff resources, and considerations for environmental justice and the human right to water. In absence of violations that are of regional priority, these criteria often tend to drive the selection of new enforcement cases.

The regional enforcement priorities target pollution or contamination in the most important water bodies, and investigations typically begin in response to known discrete incidents such as spills or reported permit violations in those waters. In 2019, staff also initiated a pilot effort to conduct compliance investigations based on water quality data. The objective of this exercise is to improve water quality in these key areas and achieve compliance; preferably without prolonged enforcement proceedings. Staff identified a handful of sites in key areas or areas of special importance with anomalous water quality data and used recently acquired mapping tools and sampling capabilities to investigate the source(s). In many cases illicit discharges were identified, and efforts are under way to address them. Staff plans to continue this effort into 2020 as another path for using enforcement resources to achieve meaningful environmental outcomes.

4. Enforcement Actions for August, September, and October 2019 (Attachment B-4)

Staff Contact: Chiara Clemente

During the months of August, September, and October 2019, the San Diego Water Board issued 157 written enforcement actions; 1 Administrative Civil Liability Settlement Order, 3 Investigative Orders, 9 Notices of Violation, 33 Staff Enforcement Letters, and 111 Directive Letters. A summary of each written enforcement action taken is provided in the attached table (**Attachment B-4**). The State Water Board's [Enforcement Policy](#) contains a brief description of the kinds of enforcement actions the Water Boards can take.

Additional information on violations, enforcement actions, and mandatory minimum penalties is available to the public from the following on-line sources:

State Water Board Office of Enforcement webpage:

http://www.waterboards.ca.gov/water_issues/programs/enforcement/

California Integrated Water Quality System (CIWQS):

http://www.waterboards.ca.gov/water_issues/programs/ciwqs/publicreports.shtml

State Water Board GeoTracker database: <https://geotracker.waterboards.ca.gov/>

5. Sanitary Sewer Overflows and Transboundary Flows from Mexico in the San Diego Region – August and September 2019 (Attachment B-5) (Attachment Tables 1, 2, 3, 4, 5, 6, 7, and 8, and Figures 1 and 2)

Staff Contact: Keith Yaeger

Sanitary sewer overflow (SSO) discharges from public sewage collection systems and private laterals, and transboundary flows from Mexico into the San Diego Region can

contain high levels of suspended solids, pathogenic organisms, toxic pollutants, nutrients, oil, and grease. SSO discharges and transboundary flows can pollute surface and ground waters, thereby threatening public health, adversely affecting aquatic life, and impairing the recreational use and aesthetic enjoyment of surface waters. Typical impacts of SSO discharges and transboundary flows include the closure of beaches and other recreational areas, the inundation of property, and the pollution of rivers, estuaries, and beaches.

Sanitary Sewer Overflows (SSOs)

State agencies, municipalities, counties, districts, and other entities (collectively referred to as public entities) that own or operate sewage collection systems report SSO spills through an on-line database system, the *California Integrated Water Quality System* (CIWQS). These SSO spills are required to be reported under the [Statewide General SSO Order](#)¹, the [San Diego Regional General SSO Order](#)², and/or individual National Pollutant Discharge Elimination System (NPDES) permit requirements. Some federal entities³ report this information voluntarily. Most SSO reports are available to the public on a real-time basis at the following State Water Board webpage:

https://ciwqs.waterboards.ca.gov/ciwqs/readOnly/PublicReportSSOServlet?reportAction=criteria&reportId=sso_main.

Details on the reported SSOs are provided in the following attached tables (Attachment B-5):

- Table 1: August 2019 - Summary of Public and Federal Sanitary Sewer Overflow Events
- Table 2: September 2019 - Summary of Public and Federal Sanitary Sewer Overflow Events by SSO Event
- Table 3: August 2019 - Summary of Private Lateral Sewage Discharge Events
- Table 4: September 2019 - Summary of Private Lateral Sewage Discharge
- Table 5: August and September 2019 - Summary of Sewage Discharges by Source

¹ State Water Board Order No. 2006-0003-DWQ, *Statewide General Waste Discharge Requirements for Sanitary Sewer Systems* as amended by Order No. WQ 2013-0058-EXEC, *Amending Monitoring and Reporting Program for Statewide General Waste Discharge Requirements for Sanitary Sewer Systems*.

² San Diego Water Board Order No. R9-2007-0005, *Waste Discharge Requirements for Sewage Collection Agencies in the San Diego Region*.

³ Marine Corp Base Camp Pendleton reports sewage spills to CIWQS as required by its individual NPDES permit, Order No. R9-2013-0112, NPDES Permit No. CA0109347, *Waste Discharge Requirements for the Marine Corps Base, Camp Pendleton, Southern Regional Tertiary Treatment Plant and Advanced Water Treatment Plant, Discharge to the Pacific Ocean via the Oceanside Ocean Outfall*. The U.S. Marine Corps Recruit Depot and the U.S. Navy voluntarily report sewage spills through CIWQS.

A summary view of information on SSO trends is provided in the following attached figures:

- Figure 1: Number of SSOs per Month
- Figure 2: Volume of SSOs per Month

These figures show the number and total volume of sewage spills per month from August 2018 to September 2019. During this period, 43 of the 63 collection systems in the San Diego Region regulated under the Statewide SSO Program reported one or more sewage spills. Twenty collection systems did not report any sewage spills. A total of 345 sewage spills were reported and 126,795 gallons of sewage reached surface waters.

Additional information about the San Diego Water Board sewage overflow regulatory program is available at https://www.waterboards.ca.gov/sandiego/water_issues/programs/ss0/index.shtml.

Transboundary Flows

Water and wastewater in the Tijuana River and from canyons located along the international border ultimately drain from the City of Tijuana, Mexico into the U.S. The water and wastewater flows are collectively referred to as transboundary flows. The U.S. Section of the International Boundary and Water Commission (USIBWC) has built canyon collectors that capture dry weather transboundary flows for treatment at the South Bay International Wastewater Treatment Plant (SBIWTP) at the U.S./Mexico border. Dry weather transboundary flows that are not captured by the canyon collectors for treatment at the SBIWTP, such as flows within the main channel of the Tijuana River, are reported by the USIBWC pursuant to [Order No. R9-2014-0009](#), the NPDES permit for the SBIWTP discharge. These uncaptured flows can enter waters of the U.S. and/or State, potentially polluting the Tijuana River Valley and Estuary, and south San Diego beach coastal waters.

Between August 2019 to September 2019, there were six reported transboundary flows that resulted in 122.8 million gallons of contaminated water flowing from Mexico into the United States during dry weather. Details on the transboundary flows reported in August and September 2019 are provided in the attached tables:

- Table 6: August 2019 - Summary of Transboundary Flows from Mexico by Event
- Table 7: September 2019 - Summary of Transboundary Flows from Mexico by Event
- Table 8: August and September 2019 - Summary of Transboundary Flows from Mexico by Weather Condition

According to the 1944 *Water Treaty for the Utilization of Waters of the Colorado and Tijuana Rivers and of the Rio Grande* and stipulations established in [IBWC Minute No. 283](#), the USIBWC and the Comisión Internacional de Límites y Aguas (CILA)⁴ share

⁴ The Mexican section of the IBWC.

responsibility for addressing border sanitation problems, including transboundary flows. Efforts on both sides of the border have led to the construction and ongoing operation of several pump stations and treatment plants to reduce the frequency, volume, and pollutant levels of transboundary flows. This infrastructure includes but is not limited to the following:

- The SBIWTP, located just north of the U.S./Mexico border, provides secondary treatment for a portion of the sewage from Tijuana, Mexico and transboundary flows conveyed from canyon collectors located in Smuggler Gulch, Goat Canyon, Canyon del Sol, Stewart's Drain, and Silva Drain. The secondary-treated wastewater is discharged to the Pacific Ocean through the South Bay Ocean Outfall, in accordance with USIBWC's NPDES permit, Order No. R9-2014-0009.
- Several pump stations and wastewater treatment plants in Tijuana, Mexico.
- The River Diversion Structure and Pump Station CILA in the City of Tijuana divert dry weather transboundary flows from the Tijuana River. The flows are diverted to a discharge point at the Pacific Ocean shoreline, approximately 5.6 miles south of the U.S./Mexico border; or the flows can be diverted to SBIWTP or another wastewater treatment plant in Tijuana, depending on how Tijuana's public utility department (CESPT) directs the flow into the collection system. The River Diversion Structure is not designed to collect wet weather river flows and any river flows over 1,000 liters per second (35.3 cubic feet per second, 22.8 MGD).

Additional information about sewage pollution within the Tijuana River Watershed is available at

https://www.waterboards.ca.gov/sandiego/water_issues/programs/tijuana_river_valley_strategy/sewage_issue.html.

Part C – Statewide Issues of Importance to the San Diego

1. California Water Board's 2018 Accomplishments Report

Staff Contact: David Gibson

The State Water Board has released the 2018 Accomplishments Report (Report) that highlights the achievements of the nine Regional Water Boards and the offices and divisions of the State Water Board. The Report contains sections on Water Boards Responses to Statewide Emergencies, Climate Change, Policy & Planning, Freshwater Harmful Algal Blooms, Surface Water Quality, Cannabis Regulation, Community Outreach & Engagement, Drinking Water Quality, Groundwater Quality, Recycled Water and Wastewater, Diffuse Source Pollution Control, Enforcement, Efforts to Make Water Board Data Open, Transparent and Usable and Financial Assistance. In addition, there are "snapshots" describing each of the Regional Boards and the State Board.

The Report prominently presents several of the San Diego Water Board's projects, including the adoption of a Climate Change Adaptation Resolution; issuance of a permit to the U.S. Marine Corps at Camp Pendleton to use recycled water as a seawater intrusion barrier to protect a drinking water aquifer; successful cleanup of the former

Naval Training Center Boat Channel; adoption of a permit for the Sycamore Landfill; issuance of a Clean Water Act Section 401 Certification for construction associated with the City of San Diego's Pure Water Project; and descriptions of two enforcement cases that used a traditional and novel approach to compliance.

A copy of the Report is available online and can be found at: [State Board 2018 Accomplishment Report](#).

2. Fiscal Year 2018-19 Invoice Collection Report and Fiscal Year 2019-20 Annual Fee Schedule

Staff Contact: Kimberly A. McMurray-Cathcart

Introduction

Each person who discharges waste or proposes to discharge waste that could affect the quality of the waters of the State is required by Water Code section 13260 to pay an annual fee and file a report of waste discharge with the appropriate Regional Water Board. Fees are set by the State Water Board by adoption of regulations which establishes an annual schedule of fees in accordance with Water Code section 13260. The State Water Board is required by Water Code section 13260 to adjust fees annually to conform to the revenue levels set forth in the Budget Act. The State Water Board adopted the annual schedule of fees for Fiscal Year (FY) 2019-20 on 18 September 2019. A copy of the Fee Schedule can be found at <https://www.waterboards.ca.gov/resources/fees/>.

Annual fees are collected through scheduled invoicing of dischargers by the State Water Board. Revenue collected through the invoicing of annual fees is deposited in the Waste Discharge Permit Fund (WDPF), as required by Water Code section 13260. Inquiries from dischargers about the nature, basis, and content of the invoices sent by the State Water Board are fielded by the Fee Coordinators at the Regional Water Boards.

Distinct from other program fees, Site Cleanup Program (SCP) dischargers are not subject to invoicing for payment of annual fees under Water Code section 13260. Instead, Water Code section 13304 authorizes the Regional Water Boards to recover costs associated with the oversight of clean up at sites where a discharge of waste has occurred and that discharge creates, or threatens to create, a condition of pollution or nuisance. The SCP is funded from the Cleanup and Abatement Account (Cleanup Account), oversight costs are billed to responsible parties pursuant to Water Code section 13365, and the costs recovered are deposited back into the Cleanup Account in accordance with Water Code section 13441. The State Water Board invoices dischargers on behalf of the Regional Water Boards for oversight work performed by staff assigned to a cleanup site.

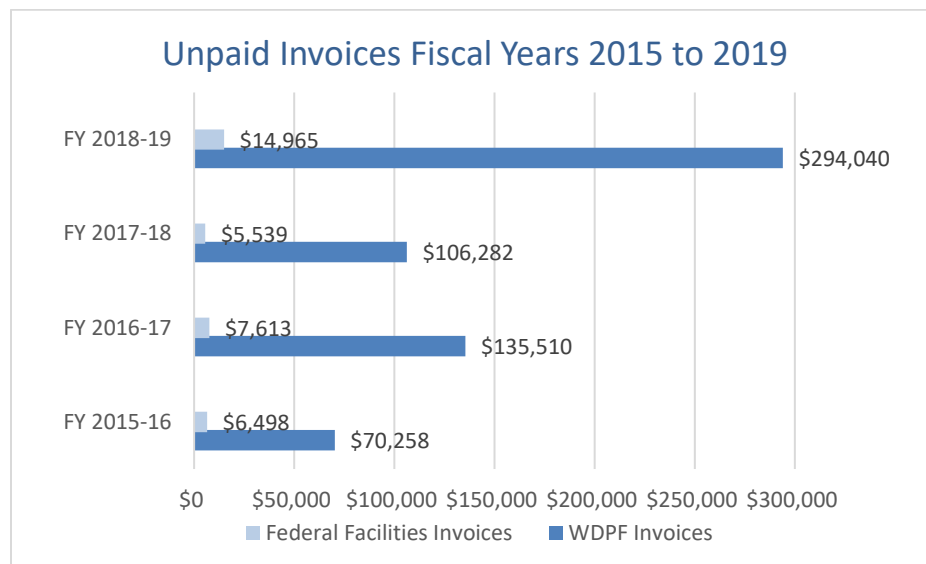
Invoicing Fiscal Year 2018-19

The State Water Board generated 2,686 WDPF invoices for San Diego Region dischargers in FY 2018-19. The invoices represented \$9,189,936 in revenue for the WDPF; approximately 14 percent more revenue than was invoiced in FY 2017-18. The

State Water Board sent San Diego Region dischargers in the SCP 129 invoices for work performed between July 2018 and March 2019. The invoices represented \$561,395 in Cleanup Account recovery costs, which is a 22 percent reduction in recovery costs billed over the same period in FY 2017-18.

Increased revenue for the WDPF in FY 2018-19 from invoices generated in the San Diego Region is largely attributable to changes in the FY 2018-19 Fee Schedule. A 12.6 percent fee reduction in FY 2017-18 was removed from the Land Disposal program (i.e. one-time reduction). Annual fee increases were also adopted for other programs, except for the storm water and land disposal programs.

Unpaid Invoices in the San Diego Region Fiscal Years 2015 to 2019



As of 1 July 2019, the total amount of unpaid WDPF invoices from FY 2015-16 through FY 2018-19 is \$606,091. Of that total, \$34,615 is owed by federal facilities. The total amount of unpaid invoices for each fiscal year between July 2015 and June 2019 is displayed below with the amounts attributable to federal facilities. Overall, receivables generally decrease over time due to persistent collection efforts.

Process for Collection of Unpaid Invoices

Thirty days after a WDPF annual fee or SCP invoice is sent, payment to the State Water Board is due (Due Date). Following the Due Date, the State Water Board Division of Administrative Services (DAS) pursues payment compliance through a notice process to dischargers with unpaid invoices. DAS mails delinquent parties a Demand for Payment within 30 days following the Due Date, a Notice of Violation within 60 days, and then a Final Collection Letter within 90 days. The Final Collection Letter notifies a discharger that the overdue payment will be sent to a collection agency. Across the State, there is about a 98 percent success rate collecting amounts due on invoices from dischargers. The remaining two percent of past due invoices are sent to a collection agency. The San Diego Region relies on the DAS process and has generally pursued civil liability for past due annual fees through an Administrative Civil Liability (ACL) Complaint only when the discharger is facing an ACL for other violations.

Pursuant to Water Code section 13261, the Water Boards can assess civil liability in an amount up to \$1,000 per day for unpaid annual fee invoices. Unpaid annual fee invoices may also justify rescission of waste discharge requirements, including storm water and other National Pollutant Discharge Elimination System (NPDES) permits. Under Water Code section 13304, a judgment lien may be recorded on a property where SCP oversight costs have not been recovered from a discharger and that lien may be foreclosed by the State to recover money on the judgment lien.

Federal facilities do not receive Demands for Payment, Notices of Violation and Final Collection Letters for failure to pay invoices, as overdue payments attributable to federal facilities are referred to the State Water Board, Office of the Chief Counsel, for collection.

Statewide Fiscal Year 2019-20 Annual Fee Schedule Highlights

Total revenue, expenditure, and the WDPF reserve condition is uncertain. Due to the transition to the Fi\$Cal accounting system in FY 2018-19, the State Water Board has been unable to generate robust reports on revenue and expenditure at the end of FY 2018-19, and to gauge the total fund reserve at the beginning of FY 2019-20. Therefore, the State Water Board took a conservative approach and raised most program fees until confidence is obtained in the Fi\$Cal reporting system.

In FY 2018-19, the State Board deferred necessary increases in annual fees for most programs, until FY 2019-20. Deferred increases ranging from 6 to 9.6 percent per program, were absorbed by the WDPF reserve in FY 2018-19. Deferred increases, plus the additional increases needed in FY 2019-20 from budget cost drivers and budget changes, resulted in proposed and adopted increases in all programs except storm water and land disposal. Annual fee increases ranging from 9.5 percent in the Confined Animal Facility program to 19 percent in the Water Quality Certification (WQC) program were proposed and adopted.

Part of the fee increases in the WQC program relates to \$2.3 million associated with electrical utilities. Utility providers are required to prepare Wildfire Mitigation Plans (WMPs) under the Public Utilities Code. WMPs will identify high risk/high threat areas where work will need to be conducted to mitigate wildfire risk associated with overhead electrical lines. Mitigation work conducted may involve dredge and fill activities that will require a WQC. To meet the anticipated increase in demand for WQC staff, and specifically inspection and enforcement staff, a proposal was adopted to charge annual fees of \$43.00 per mile of overhead electrical lines that are identified as high risk/high threat in WMPs, in lieu of a project specific fee. Annual fees in the WQC program will otherwise remain at FY 2018-19 levels, however, application fees including project impact fee multipliers will increase by 19 percent.

Cannabis program enrollments fell short of the projections for FY 2018-19, largely due to local legislation banning or limiting growers. Projected revenue from cannabis annual fees in FY 2019-20 is \$5.0 million, reflecting a shortfall to meet expenditures projected at \$18.0 million. The Governor's Office allocated an additional \$6.5 million, in addition to the existing \$1.5 million, from the Cannabis Tax Fund, to offset expenditures in this

program. However, the State Water Board declined to raise fees in other water quality programs to raise revenue for the cannabis program to cover the addition of 10-20 staff.

During the application and determination phase of a proposed Seawater Desalination Facility (SDF), application fees will now be assessed on an annual basis to cover the significant multi-year effort associated with the staff workload. A base fee of \$60,000 will be charged for proposed SDFs with subsurface intakes, or \$120,000 for proposed SDFs with combined surface/subsurface or alternative intake technologies. In addition to the base fee, the State Water Board adopted a multiplier of \$1,007 per mgd of intake flow that will be added to the base fee, up to a cap on the total annual fee of \$200,000.

The agricultural lands fee structure has been modified from a flat rate per acre fee. Agricultural lands will be separated into two tiers: Tier A or Tier B. Agricultural lands will be enrolled in a group or as an individual and will be designated as a Tier A or Tier B enrollment. Tier A growers will be charged a higher rate than Tier B growers based on increased regulatory oversight relating to nutrient management of growers falling within Tier A. Enrollments of agricultural and nursery operations in the San Diego Region will be subject to annual fee assessment as Tier A dischargers.

Clarifying language has also been added to the Fee Schedule requiring special districts to pay annual fees if the City or County also named as co-permittees in a Municipal Separate Storm Sewer System permit do not oversee storm water compliance for the special district. Language has also been redacted from the Fee Schedule which previously excluded heifers raised at a dairy facility from the assessment of annual fees.

Following the State Board resolution to adopt the Fee Schedule on 18 September, the proposal was filed with the Office of Administrative Law (OAL) for review as emergency rulemaking under Government Code section 11342.545. The Fee Schedule posted on the OAL [website](#) was subject to a brief public notice and comment period. The Fee Schedule was approved by OAL and was filed with the California Secretary of State on 23 October 2019. The Fee Schedule was effective as a regulation as of the date filed with the Secretary of State. The State Water Board began to send invoices for FY 2019-20 annual fees on the effective date of the Fee Schedule. Throughout the fiscal year, approximately 26,000 invoices will be generated and mailed, the staggered timing being associated with specific programs. Typically, about 5 percent of invoiced parties contact the San Diego Region Fee Coordinator with questions. Some inquires, such as requests to terminate or transfer permit coverage, may involve significant follow-up actions facilitated by program staff.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

Significant NPDES Permits,
WDRs, and Actions of the
San Diego Water Board

December 11, 2019

APPENDED TO EXECUTIVE OFFICER'S REPORT

TENTATIVE SCHEDULE
SIGNIFICANT NPDES PERMITS, WDRs, AND ACTIONS
OF THE SAN DIEGO WATER BOARD

Action Agenda Items – San Diego Water Board

January 2020
No Meeting Scheduled

February 12, 2020
San Diego Water Board

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Election of Regional Board Chair and Vice Chair (<i>Gibson</i>)	Election	N/A	N/A	N/A
NPDES Permit Reissuance for the Encina Power Plant. (<i>Neill</i>)	NPDES Permit Reissuance	95%	10-Jan-20	Yes
NPDES Permit Amendment for the Carlsbad Desalination Plant (<i>Neill</i>)	NPDES Permit Amendment	95%	10-Jan-20	Yes
Waste Discharge Requirements for Makena Murrieta LLC, Makena Hills Project (<i>Bradford</i>)	New WDRs	100%	27-Nov-2019	Yes
Update to Categories 1 and 2 of Clean Water Act Section 305b Report of State Water Quality to Identify High Quality Waters (<i>Nagoda</i>)	Resolution	100%	23-Dec-19	No

March 5, 2020
City of Temecula Conference Center

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Master Reclamation Permit for Eastern Municipal Water District, Temecula Valley Regional Water Reclamation Facility, Riverside County (<i>Bushnell</i>)	Master Recycling Permit Reissuance	45%	TBD	Maybe
Basin Plan Housekeeping Updates (<i>Santillan</i>)	Basin Plan Update	80%	TBD	TBD
Tijuana River Valley Update (<i>Gibson</i>)	Informational Item	N/A	N/A	N/A

Agenda Items Requested by Board Members

February 13, 2019

Requested Agenda Item	Board Member	Status
Board Member Strawn suggested that staff participate in the first annual "2019 SDSU Water Days" event on April 23, 1019	Strawn	In Progress
Informational item on the status of the Mission Bay ReWild project, with a particular focus on challenges the Board can help address.	Warren	In Progress
Several Board Members asked the Executive Officer to arrange outreach meetings with elected leaders of Coronado, National City, Imperial Beach, the County of San Diego, and the Navy Commander of the United States Navy Regional Southwest (Navy Mayor of San Diego)	Abarbanel, Cantú, Strawn	In Progress
Executive Officer to invite representative(s) from the U.S. Customs and Border Protection to address the Board with information or concerns about water quality in the Tijuana River Valley area.	Abarbanel, Cantú	March 13, 2019

May 8, 2019

Requested Agenda Item	Board Member	Status
Joint public Board Meeting with Region 7, the Colorado River Regional Water Quality Control Board	Abarbanel	March 2020
Public listening session on environmental justice issues in the Region. Meeting should be initiated by the Southern California Coastal Water Research Project (SCCWRP) at a time amenable to the environmental justice and disadvantaged communities the Board would like to engage	Abarbanel	October 2019
Routine and regular updates on intake construction, impact studies, and mitigation efforts related to the Carlsbad Desalination Plant permit	Olson	Ongoing

June 12, 2019

Requested Agenda Item	Board Member	Status
Update on the San Diego Water Board's regulation of the Poseidon Desalination Plant if the pending sale of the plant goes through.	Anderson	In Progress
Update on Governor Newsom's Executive Orders related to resilient, sustainable water supply.	Abarbanel, Cantú	August 2019
Update on regional differences in the number of spills prevented by the use of remote monitoring and any other available data; item should include available information on best practices employed by other regions in the U.S. that could be of value to the San Diego Region	Warren	In Progress

Enforcement Actions for August, September, and October 2019

NPDES WASTEWATER

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
9/9/2019	Notice of Violation No. R9- 2019-0195	City of Escondido, Hale Avenue Resource Recovery Facility (HAARF), Discharge to Escondido Creek, Escondido	Failure to comply with deadlines specified in a Time Schedule Order	Time Schedule Order No. R9-2015-0027
8/6/2019	Staff Enforcement Letter	San Diego County Regional Airport Authority, San Diego International Airport Cistern Project, San Diego	Late reporting	National Pollutant Discharge Elimination System (NPDES) Order No. R9-2015- 0013
8/7/2019	Staff Enforcement Letter	U.S. Marine Corps Base, Camp Pendleton, Advanced Water Treatment Plant at Haybarn Canyon, Oceanside	Deficient reporting	NPDES Order No. R9- 2013-0112
8/7/2019	Staff Enforcement Letter	Manchester Pacific Gateway, LLC, Navy GAF Office Tower, San Diego	Deficient reporting	NPDES Order No. R9- 2015-0013

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
8/7/2019	Staff Enforcement Letter	San Diego Gas & Electric, Palomar Energy Center, Escondido	Deficient reporting	NPDES Order No. R9-2018-0062
8/7/2019	Staff Enforcement Letter	SeaWorld Parks & Entertainment Inc., a Delaware Corporation, SeaWorld LLC, SeaWorld San Diego, San Diego	Deficient monitoring; effluent violations	NPDES Order No. R9-2018-0004
8/7/2019	Staff Enforcement Letter	SOCWA-San Juan Creek Ocean Outfall, SMWD Chiquita Water Reclamation Plant, San Juan Capistrano	Effluent violations	NPDES Order No. R9-2012-0013
8/7/2019	Staff Enforcement Letter	SOCWA-Aliso Creek Ocean Outfall, Dana Point	Effluent violations; deficient monitoring	NPDES Order No. R9-2013-0006
8/7/2019	Staff Enforcement Letter	Liquid Stone Holdings LLC, Stone Brewing Company, Escondido	Deficient monitoring	NPDES Order No. R9-2018-0063
8/12/2019	Staff Enforcement Letter	City of Solana Beach Pump Station, Cardiff	Deficient reporting	NPDES Order No. R9-2015-0013

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
9/30/2019	Staff Enforcement Letter	America Plaza Owners Association, One America Plaza Dewater, San Diego	Deficient reporting; effluent violations	NPDES Order No. R9- 2015-0013

NPDES STORMWATER

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
9/10/2019	Notice of Violation No. R9- 2019-0205	Hard Rock 4x4 Dismantlers, San Diego	Deficient reporting; insufficient Storm Water Pollution Prevention Plan (SWPPP); failure to sample	NPDES Industrial General Order No. 2014-0057-DWQ
8/1/2019	Staff Enforcement Letter	Pacifica Fox LP, Pacifica Self Storage, San Diego	Failure to implement best management practices (BMPs); unauthorized discharge	NPDES Construction General Order No. 2009-0009-DWQ
8/1/2019	Staff Enforcement Letter	USA Portola East LLC, Portola East, Trabuco Canyon	Insufficient monitoring	NPDES Construction General Order No. 2009-0009-DWQ
8/6/2019	Staff Enforcement Letter	Basim Toma Hirmiz, TIME Recycling, San Diego	Deficient implementation BMPs; unauthorized discharge	NPDES Industrial General Order No. 2014-0057-DWQ

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
8/15/2019	Staff Enforcement Letter	Vantage Associates, National City	Deficient BMP implementation; unauthorized discharge	NPDES Industrial General Order No. 2014-0057-DWQ
8/26/2019	Staff Enforcement Letter	Zephyr Construction Services, Inc., Birmingham Drive, Encinitas	Insufficient SWPPP; deficient reporting	NPDES Construction General Order No. 2009-0009-DWQ
9/10/2019	Staff Enforcement Letter	El Camino Rental, Oceanside	Failure to obtain permit, failure to notify, incomplete/insufficient SWPPP, and deficient BMP implementation	NPDES Industrial General Order No. 2014-0057-DWQ
9/20/2019	Staff Enforcement Letter	PC Iron, Inc., Spring Valley	Deficient BMP implementation	NPDES Industrial General Order No. 2014-0057-DWQ
9/27/2019	Staff Enforcement Letter	Richardson Steel Inc., Spring Valley	Deficient BMP implementation; insufficient SWPPP	NPDES Industrial General Order No. 2014-0057-DWQ
10/4/2019	Staff Enforcement Letter	R & R Metals LLC, San Diego	Deficient BMP implementation	NPDES Industrial General Order No. 2014-0057-DWQ
10/4/2019	Staff Enforcement Letter	Lennar Homes of California Inc., The Villages, Escondido	Failure to obtain permit, deficient BMP implementation	NPDES Construction General Order No. 2009-0009-DWQ

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/7/2019	Staff Enforcement Letter	Orange County Transportation Authority, Laguna Niguel to San Juan Capistrano Passing Siding Project, San Juan Capistrano	Failure to maintain and implement effective BMPs	NPDES Construction General Order No. 2009-0009-DWQ
10/11/2019	Staff Enforcement Letter	Fairfield Mission Gorge LP, Mission Gorge, San Diego	Deficient BMP implementation	NPDES Construction General Order No. 2009-0009-DWQ
10/15/2019	Staff Enforcement Letter	San Diego Gas & Electric Co., San Juan Capistrano Substation, San Juan Capistrano	Deficient BMP implementation	NPDES Construction General Order No. 2009-0009-DWQ
10/24/2019	Staff Enforcement Letter	Meritage Homes, Vista Sycamore, Vista	Deficient BMP implementation	NPDES Construction General Order No. 2009-0009-DWQ

WASTE DISCHARGE REQUIREMENTS WASTEWATER

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
8/30/2019	Notice of Violation No. R9-2019-0190	JMD Composting Operations, Valley Center	Failure to submit Notice of Intent	General Waste Discharge Requirement (WDR) Order No. WQ 2015-0121-DWQ
8/30/2019	Notice of Violation No. R9-2019-0181	Ramona Disposal Services, Ramona Organic Composting Facility, Ramona	Failure to submit Notice of Intent	General WDR Order No. WQ 2015-0121-DWQ
8/21/2019	Staff Enforcement Letter	Olivenhain Municipal Water District, 4-S Ranch WRF, San Diego	Effluent violations	WDR Order No. R9-2003-0007
8/21/2019	Staff Enforcement Letter	City of San Diego Metropolitan Wastewater Department, North City Water Reclamation Plant, San Diego	Effluent violations	WDR Order No. R9-2015-0091
8/21/2019	Staff Enforcement Letter	San Elijo Joint Powers, San Elijo Water Reclamation Facility, Encinitas	Effluent violations	WDR Order No. R9-2000-0010

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
8/23/2019	Staff Enforcement Letter	Ramona Municipal Water District, Santa Maria Wastewater Treatment Plant, Ramona	Effluent violations; deficient reporting	WDR Order No. 2016- 0154
9/27/2019	Staff Enforcement Letter	City of Escondido, HAARF, Recycled Water, Escondido	Effluent violations; deficient reporting	WDR Order No. 2010- 0032
9/27/2019	Staff Enforcement Letter	Vallecitos Water District, Meadowlark Water Reclamation Plant, Carlsbad	Effluent violations and unauthorized discharges of recycled water	WDR Order No. 2007- 0018
9/27/2019	Staff Enforcement Letter	Otay Municipal Water District, Ralph W. Chapman Water Reclamation Facility, Spring Valley	Effluent violations; deficient reporting	WDR Order No. R9- 2007-0038
9/27/2019	Staff Enforcement Letter	Rancho California Water District, Santa Rosa Water Reclamation Facility- Recycled Water Treatment Plant, Murrieta	Effluent violations	WDR Order No. 94-92

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
9/27/2019	Staff Enforcement Letter	San Diego City Metropolitan Wastewater Department, South Bay Water Reclamation Plant, San Diego	Effluent violations	WDR Order No. 2000- 23

WASTE DISCHARGE REQUIREMENTS: AGRICULTURE

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/25/2019	Administrative Civil Liability No. R9-2019-0144	TreeSap Farms, DBA Hines Growers, Inc., Hines Nurseries, Fallbrook	Adopted settlement agreement & stipulated order assessing \$18,132 in penalties for multiple violations	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations; California Water Code (CWC) Section 13260
8/20/2019	Notice of Violation No. R9- 2019-0170	Chambers Family Properties LLC, Fallbrook	Failure to submit Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations; CWC Section 13260
8/20/2019	Notice of Violation No. R9- 2019-0171	Madelyn Rigopoulos, Fallbrook	Failure to submit Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations; CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
8/20/2019	Notice of Violation No. R9-2019-0172	Gerald Barnes, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations; CWC Section 13260
8/20/2019	Notice of Violation No. R9-2019-0173	Gwendolyn Wilson, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations; CWC Section 13260
8/20/2019	Notice of Violation No. R9-2019-0174	Leidy Blanchert, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations; CWC Section 13260
9/3/2019	Directive Letter	Santa Paula Hay & Grain and Ranches LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations; CWC Section 13260
9/3/2019	Directive Letter	Pardee Trees Nurseries, Oceanside	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations; CWC Section 13260
9/3/2019	Directive Letter	Kaveer Ranch, LLC	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations; CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
9/3/2019	Directive Letter	Valley Center Avocados LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations; CWC Section 13260
10/1/2019	Directive Letter	Mahdiah Tavakolizadeh, Mandana Cal. Co.	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Elsie Haskell, Escondido	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Adalberto Serrato, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Gregory L. Done, GGL&D Enterprises LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Charles J. Frank, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	John K. Haskett, Bonsall	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Eric C Girard, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Joseph A. Perricone, Perricone California Properties LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Jaqueline M. Skay, Kato Family Ltd Partnership, Carlsbad	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Richard D. Marconi, Murrieta	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Kenneth Altman, Gardenlife Farm LLC, Escondido	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Edward G. Burr, Federal Boulevard Properties LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Christopher C. Calkins, CB Ranch Enterprises, Carlsbad	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Beverly . Verano, Metz Properties LLC, Oceanside and Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	George Ochoa, Rancho Ochoa LLC, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	James Faaborg, Chicklet Enterprises LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Suling Wang, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Donald M. Rosenstock, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Robert W. Jackson, Jackson Ranch LLC, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Hossein Sattari, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Robert E. Maurer, Coral Farms LP, San Juan Capistrano	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Wesley Dorffi, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Norman S. Traner, Haas IV Ltd., Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Shahin Tehrani, Five Safe T, LLC, Murrieta	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Donald R. Faye, Shirey Falls LP, Escondido	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Laura Medway, Bell & 63 rd Investments LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Diane Lyn Garrett, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Keith Candee, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Chin S. Yang, Bonsall	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Robert D. Humason, Pauma Valley	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Filiberto Jauregui, Jauregui Nursery LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Rassoul Ketabian, Hamedan Ranch LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Joseph A. Perricone, Perricone California Properties LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Rick Robledo, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Kiet Q. Lam, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	John C. Forrester, G&F Properties LLC, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Shurki Saliba, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Tomisu Friedkin, Rancho Santa Fe	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Zhuhong Ye, Ye America LLC, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	William P. Shannahan, Chandler Family Investments LP, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Adrian Gallarzo, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Gary L. McMillan, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Dena Marienthal, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Tuan Nguyen, 9711 Valley LLC, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Ronald G. Taylor, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	William H. Vogel, Vogel Corporation, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Joseph E. Lenihan, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Donald Faye, Gopher Canyon LP, Escondido	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Franco Barnaba, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Pattice Mills, Aftemarket Insurance Marketing Inc., Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Ranjit Sahu, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Ali M. Fouladi, Vista	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Janet Hsu, Sunshine Farms LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Ruben Plascencia, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Alireza Mashraghy, Papa Avocado LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Baltazar Mejia, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Anne Stohlman, WD Finale Inc., Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Steve Taft, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Alfonso Hacienda Gonzalez, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Alice W. Wylie, Escondido	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	John W. Wong, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Nisar Ahmed, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Laurence Bruce McDaniel, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	John H. Gubler, Bonsall	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Jin Kwan Hong, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Luis Enriquez, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Xinxian Gao, Golden Pacific Ranch LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Randall Smith, Natures Growers Inc., Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Dien Nhu Do, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Duy Diem Nguyen, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Oleg Uvarov, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Young Taek Kim, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Pedro Gallardo, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Aung Thu, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Robert A. Merriam, San Marcos	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Samad Attisha, Escondido	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	James Michael Silveria, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Vera Pauline Eubank, Oceanside	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	John George Slagle, San Marcos	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Bedros Nazareth Sarkissian, Vista	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Charles C, Lee, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Pao Sheng Tung, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Steven R. Nelson, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Vince Martinez, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Scott Crawford Asbill, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Bradley John Thomas, San Marcos	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Juan Verduzco, San Marcos	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Ernesto Efrain Garcia, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Joel Hernandez Alvarado, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Vladimir Trosic, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Randall T. Shoup, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Chun Ngo, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Mike Trosic, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Richard Rodenberg, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Neftali Torres, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Qing Huo, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Wayne Gouvion, Murrieta	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Brenda J. Arthur, Buenos Campos LLC, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Yi Cheng, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Juan M. Nuno, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Rose Chin, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/1/2019	Directive Letter	Duong N. Tran, Vista	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Jacob Torres, BJM LLC, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Peter F. Gilmore, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Geraldine Witt, Witt Group LTD, Escondido	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Shahnam Arshadi, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260
10/1/2019	Directive Letter	Michael Gallagher, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016- 0004, WDR for Commercial Agricultural Operations, CWC Section 13260

SITE CLEANUP

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
10/02/2019	Investigative Order No. R9- 2019-0040	City of San Diego, San Diego Bay	An order directing the City of San Diego to investigate sediment pollutants in the Laurel Hawthorn Embayment of San Diego Bay	Issued pursuant to Water Code section 13267
10/02/2019	Investigative Order No. R9- 2019-0041	General Dynamics Corporation, San Diego Bay	An order directing General Dynamics Corporation to investigate sediment pollutants in the Laurel Hawthorn Embayment of San Diego Bay	Issued pursuant to Water Code section 13267
10/02/2019	Investigative Order No. R9- 2019-0039	Solar Turbines Inc. and Navistar Inc., San Diego Bay	An order directing Solar Turbines Inc. and Navistar Inc. to investigate sediment pollutants in the Laurel Hawthorn Embayment of San Diego Bay	Issued pursuant to Water Code section 13267

Table 1: August 2019 – Summary of Public and Federal Sanitary Sewer Overflow Events

Responsible Collection System Agency	Total Volume (Gallons)⁵	Total Recovered (Gallons)⁶	Total Reaching Surface Waters (Gallons)⁷	Total Reaching Separate Storm Drain and Recovered (Gallons)⁸	Total Discharged to Land (Gallons)⁹	Surface Water Body Affected¹⁰	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area¹¹
City of Lemon Grove	825	0	0	0	825	Not Applicable	0.1	62.4	25,800
County of San Diego Department of Public Works	300	300	0	300	0	Not Applicable	5.3	422.0	154,716

⁵ Total Volume = total amount that discharged from sanitary sewer system to a separate storm drain, drainage channel, surface water body, and/or land.

⁶ Total Recovered = total amount recovered from a separate storm drain, drainage channel, surface water body, and/or land.

⁷ Total Reaching Surface Waters = total amount reaching separate storm drain (not recovered), drainage channel, and/or surface water body, but does not include amount reaching separate storm drain that was recovered.

⁸ Total Reaching Separate Storm Drain and Recovered = total amount reaching separate storm drain that was recovered.

⁹ Total Discharged to Land = total amount reaching land.

¹⁰ Agencies are only required to note the surface water body affected if the discharge reaches or has the potential to reach a surface water. If the discharge did not reach a surface water and does not have a potential to reach a surface water (i.e., a discharge to land or a discharge to a separate storm drain that is fully recovered) the surface water body affected is listed as “Not Applicable.” If the discharge was to a surface water body or to a separate storm drain and was not fully recovered, and the surface water body was not reported, the surface water body affected is listed as “Not Reported.”

¹¹ As reported in the Collection System Questionnaire required under Order No. 2006-0003-DWQ.

Responsible Collection System Agency	Total Volume (Gallons) ⁵	Total Recovered (Gallons) ⁶	Total Reaching Surface Waters (Gallons) ⁷	Total Reaching Separate Storm Drain and Recovered (Gallons) ⁸	Total Discharged to Land (Gallons) ⁹	Surface Water Body Affected ¹⁰	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area ¹¹
Fallbrook Public Utility District (PUD)	3	0	3	0	0	Storm Drain Tributary to Ostrich Creek	4.6	78.6	23,000
South Coast Water District	2,360	2,360	0	1,080	1,280	Not Applicable	3.0	138.0	42,000
Trabuco Canyon Water District	1	1	0	0	1	Not Applicable	9.0	46.5	12,700
Trabuco Canyon Water District	100	2	98	0	2	Dove Lake Reservoir	9.0	46.5	12,700
University of California, San Diego	5	0	0	0	5	Not Applicable	0.5	26.0	57,500

Table 2: September 2019 – Summary of Public and Federal Sanitary Sewer Overflow Events

Responsible Collection System Agency	Total Volume (Gallons)¹²	Total Recovered (Gallons)¹³	Total Reaching Surface Waters (Gallons)¹⁴	Total Reaching Separate Storm Drain and Recovered (Gallons)¹⁵	Total Discharged to Land (Gallons)¹⁶	Surface Water Body Affected¹⁷	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area¹⁸
City of Chula Vista	50	20	30	20	0	Bonita Golf Course	3.4	503	265,070
City of Chula Vista	1,500	1,200	300	1,200	0	Sweetwater Channel	3.4	503	265,070
City of Imperial Beach	73	73	0	73	0	Not Applicable	4.4	39.5	26,337

¹² Total Volume = total amount that discharged from sanitary sewer system to a separate storm drain, drainage channel, surface water body, and/or land.

¹³ Total Recovered = total amount recovered from a separate storm drain, drainage channel, surface water body, and/or land.

¹⁴ Total Reaching Surface Waters = total amount reaching separate storm drain (not recovered), drainage channel, and/or surface water body, but does not include amount reaching separate storm drain that was recovered.

¹⁵ Total Reaching Separate Storm Drain and Recovered = total amount reaching separate storm drain that was recovered.

¹⁶ Total Discharged to Land = total amount reaching land.

¹⁷ Agencies are only required to note the surface water body affected if the discharge reaches or has the potential to reach a surface water. If the discharge did not reach a surface water and does not have a potential to reach surface water (i.e., a discharge to land or a discharge to a separate storm drain that is fully recovered) the surface water body affected is listed as “Not Applicable.” If the discharge was to a surface water body or to a separate storm drain and was not fully recovered, and the surface water body was not reported, the surface water body affected is listed as “Not Reported.”

¹⁸ As reported in the Collection System Questionnaire required under Order No. 2006-0003-DWQ.

Responsible Collection System Agency	Total Volume (Gallons)¹²	Total Recovered (Gallons)¹³	Total Reaching Surface Waters (Gallons)¹⁴	Total Reaching Separate Storm Drain and Recovered (Gallons)¹⁵	Total Discharged to Land (Gallons)¹⁶	Surface Water Body Affected¹⁷	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area¹⁸
City of Laguna Beach	1,500	1,500	0	1,500	0	Not Applicable	9	86	18,000
City of Oceanside	335	0	335	0	0	Storm Drain Tributary to Buena Vista Lagoon	37.7	445.6	175,464
City of Poway	47	47	0	0	47	Not Applicable	3.5	185.0	48,000
City of San Clemente	50	50	0	0	50	Not Applicable	3.7	177.6	64,014
City of San Diego	830	830	0	0	830	Not Applicable	141.3	3,034.9	2,500,000
City of San Diego	240	240	0	0	240	Not Applicable	141.3	3,034.9	2,500,000
County of San Diego Department of Public Works	225	225	0	0	255	Not Applicable	5.3	422.0	154,716

Responsible Collection System Agency	Total Volume (Gallons)¹²	Total Recovered (Gallons)¹³	Total Reaching Surface Waters (Gallons)¹⁴	Total Reaching Separate Storm Drain and Recovered (Gallons)¹⁵	Total Discharged to Land (Gallons)¹⁶	Surface Water Body Affected¹⁷	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area¹⁸
South Coast Water District	50	50	0	0	50	Not Applicable	3.0	138.0	42,000
US Marine Corps Base Camp Pendleton	20	15	0	0	20	Not Applicable	39.2	125.0	80,509

Table 3: August 2019 – Summary of Private Lateral Sewage Discharge Events

Responsible Collection System Agency	Total Volume (Gallons) ¹⁹	Total Recovered (Gallons) ²⁰	Total Reaching Surface Waters (Gallons) ²¹	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons) ²²	Surface Water Body Affected ²³	Population in Service Area ²⁴	Number of Lateral Connections
Leucadia Wastewater District	5	5	0	5	Not Applicable	62,607	20,674

¹⁹ Total Volume = total amount that discharged from private lateral to a separate storm drain, drainage channel, surface water body, and/or land.

²⁰ Total Recovered = total amount recovered from a separate storm drain, drainage channel, surface water body, and/or land.

²¹ Total Reaching Surface Waters = total amount reaching separate storm drain (not recovered), drainage channel, and/or surface water body, but does not include amount reaching separate storm drain that was recovered.

²² Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land = total amount reaching separate storm drain that was recovered and/or total amount reaching land.

²³ Agencies are only required to note the surface water body affected if the discharge reaches or has the potential to reach a surface water. If the discharge did not reach a surface water and does not have a potential to reach surface water (i.e., a discharge to land or a discharge to a separate storm drain that is fully recovered) the surface water body affected is listed as “Not Applicable.” If the discharge was to a surface water body or to a separate storm drain and was not fully recovered, and the surface water body was not reported, the surface water body affected is listed as “Not Reported.”

²⁴ As reported in the Collection System Questionnaire required under Order No. 2006-0003-DWQ.

Responsible Collection System Agency	Total Volume (Gallons)¹⁹	Total Recovered (Gallons)²⁰	Total Reaching Surface Waters (Gallons)²¹	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)²²	Surface Water Body Affected²³	Population in Service Area²⁴	Number of Lateral Connections
City of Imperial Beach	40	40	0	40	Not Applicable	26,337	10,909
City of Laguna Beach	20	20	0	20	Not Applicable	18,000	6,650
City of San Diego	81	81	0	81	Not Applicable	2,500,000	264,998
City of San Diego	139	139	0	139	Not Applicable	2,500,000	264,998
City of San Diego	67	67	0	67	Not Applicable	2,500,000	264,998
City of San Juan Capistrano	615	540	75	540	Storm Drain Tributary to Trabuco Creek	40,000	10,280

Responsible Collection System Agency	Total Volume (Gallons) ¹⁹	Total Recovered (Gallons) ²⁰	Total Reaching Surface Waters (Gallons) ²¹	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons) ²²	Surface Water Body Affected ²³	Population in Service Area ²⁴	Number of Lateral Connections
Eastern Municipal Water District	20	0	0	20	Not Applicable	253,664	55,136
Rainbow Municipal Water District	50	0	0	50	Not Applicable	10,652	2,500
South Coast Water District	10	10	0	10	Not Applicable	42,000	14,762

Table 4: September 2019 – Summary of Private Lateral Sewage Discharge Events

Responsible Collection System Agency	Total Volume (Gallons)²⁵	Total Recovered (Gallons)²⁶	Total Reaching Surface Waters (Gallons)²⁷	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)²⁸	Surface Water Body Affected²⁹	Population in Service Area³⁰	Number of Lateral Connections
Carlsbad Municipal Water District	30	30	0	30	Not Applicable	69,825	22,700
City of San Diego	71	71	0	71	Not Applicable	2,500,000	264,998

²⁵ Total Volume = total amount that discharged from private lateral to a separate storm drain, drainage channel, surface water body, and/or land.

²⁶ Total Recovered = total amount recovered from a separate storm drain, drainage channel, surface water body, and/or land.

²⁷ Total Reaching Surface Waters = total amount reaching separate storm drain (not recovered), drainage channel, and/or surface water body, but does not include amount reaching separate storm drain that was recovered.

²⁸ Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land = total amount reaching separate storm drain that was recovered and/or total amount reaching land.

²⁹ Agencies are only required to note the surface water body affected if the discharge reaches or has the potential to reach a surface water. If the discharge did not reach a surface water and does not have a potential to reach surface water (i.e., a discharge to land or a discharge to a separate storm drain that is fully recovered) the surface water body affected is listed as “Not Applicable.” If the discharge was to a surface water body or to a separate storm drain and was not fully recovered, and the surface water body was not reported, the surface water body affected is listed as “Not Reported.”

³⁰ As reported in the Collection System Questionnaire required under Order No. 2006-0003-DWQ.

Responsible Collection System Agency	Total Volume (Gallons)²⁵	Total Recovered (Gallons)²⁶	Total Reaching Surface Waters (Gallons)²⁷	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)²⁸	Surface Water Body Affected²⁹	Population in Service Area³⁰	Number of Lateral Connections
City of San Diego	105	105	0	105	Not Applicable	2,500,000	264,998
County of San Diego Department of Public Works	141	10	0	141	Not Applicable	154,716	33,600

Table 5: August and September 2019 – Summary of Sewage Discharges by Source

Responsible Collection System Agency	Total Volume (Gallons)³¹	Total Recovered (Gallons)³²	Total Reaching Surface Waters (Gallons)³³	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)³⁴	Surface Water Body Affected³⁵	Population in Service Area³⁶	Number of Lateral Connections
Carlsbad Municipal Water District	30	30	0	30	Not Applicable	69,825	22,700
City of San Diego	71	71	0	71	Not Applicable	2,500,000	264,998

³¹ Total Volume = total amount that discharged from private lateral to a separate storm drain, drainage channel, surface water body, and/or land.

³² Total Recovered = total amount recovered from a separate storm drain, drainage channel, surface water body, and/or land.

³³ Total Reaching Surface Waters = total amount reaching separate storm drain (not recovered), drainage channel, and/or surface water body, but does not include amount reaching separate storm drain that was recovered.

³⁴ Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land = total amount reaching separate storm drain that was recovered and/or total amount reaching land.

³⁵ Agencies are only required to note the surface water body affected if the discharge reaches or has the potential to reach a surface water. If the discharge did not reach a surface water and does not have a potential to reach surface water (i.e., a discharge to land or a discharge to a separate storm drain that is fully recovered) the surface water body affected is listed as “Not Applicable.” If the discharge was to a surface water body or to a separate storm drain and was not fully recovered, and the surface water body was not reported, the surface water body affected is listed as “Not Reported.”

³⁶ As reported in the Collection System Questionnaire required under Order No. 2006-0003-DWQ.

Responsible Collection System Agency	Total Volume (Gallons) ³¹	Total Recovered (Gallons) ³²	Total Reaching Surface Waters (Gallons) ³³	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons) ³⁴	Surface Water Body Affected ³⁵	Population in Service Area ³⁶	Number of Lateral Connections
City of San Diego	105	105	0	105	Not Applicable	2,500,000	264,998
County of San Diego Department of Public Works	141	10	0	141	Not Applicable	154,716	33,600

Figure 1: Number of SSOs per Month

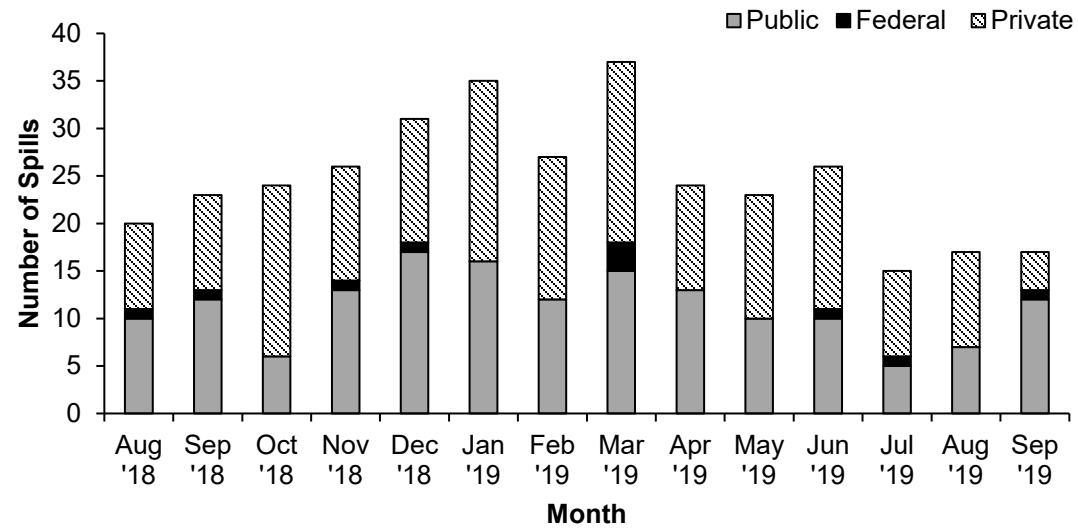


Figure 1: The number of public, federal, and private sanitary sewer overflows (SSOs) per month from August 2018 to September 2019.

Figure 2: Volume of SSOs per Month

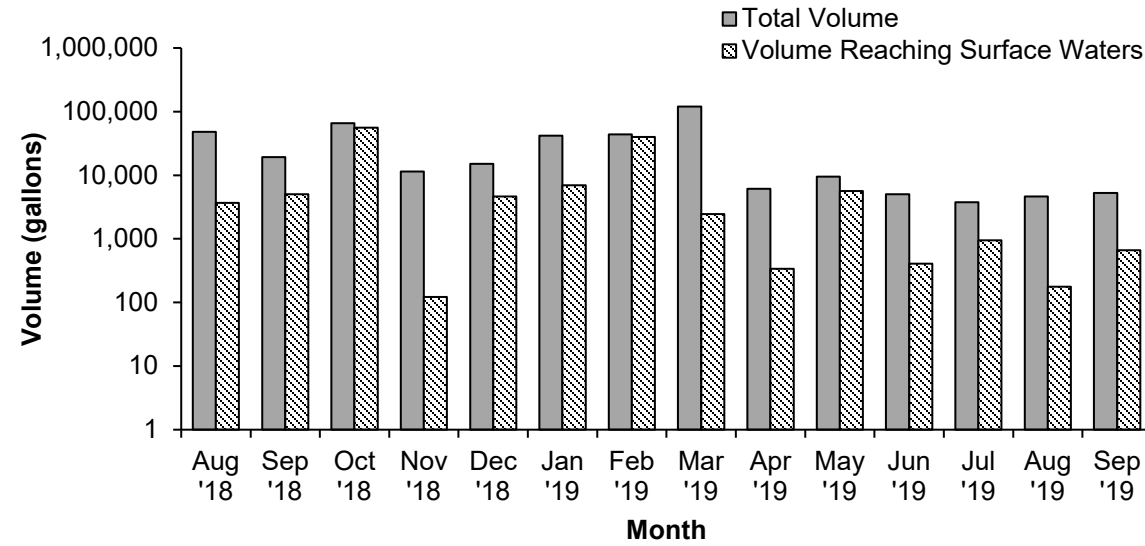


Figure 2: The volume of public, federal, and private sanitary sewer overflows (SSOs) per month from August 2018 to September 2019. Note the logarithmic scale on the vertical axis showing the wide variation in SSO volumes.

Table 6: August 2019 – Summary of Transboundary Flows from Mexico by Event

Location	Date(s) of Transboundary Flow	Weather Condition ³⁷	Total Volume (Gallons)	Total Recovered (Gallons)	Total Reaching Surface Waters (Gallons)	Additional Details
Tijuana River	8/11/2019	Dry	125,000	0	125,000	A break in the Tijuana Aqueduct (Planetary) caused flow in the Tijuana River to exceed the capacity of Pump Station CILA, bypass the River Diversion Structure, and cross the U.S./Mexico border.

³⁷ Order No. R9-2014-0009 requires monthly reporting of all dry weather transboundary flows defined as the preceding 72 hours have been without precipitation greater than 0.1 inch, based on the Goat Canyon Pump Station rain gauge. Wet weather transboundary flows are not required to be reported and information is provided voluntarily.

Table 7: September 2019 – Summary of Transboundary Flows from Mexico by Event

Location	Date(s) of the Transboundary Flow	Weather Condition ³⁸	Total Volume (Gallons)	Total Recovered (Gallons)	Total Reaching Surface Waters (Gallons)	Additional Details
Tijuana River	9/4/2019 (End date not reported)	Dry	94,030,000	0	94,030,000	Precipitation in the upper Tijuana River watershed was reported as a contributing factor that caused flow in the Tijuana River to exceed the operational capacity of Pump Station CILA, bypass the River Diversion Structure and cross the U.S./Mexico border.
Tijuana River	9/11/2019 to 9/12/2019	Dry	3,834,908	0	3,834,908	Flow in the Tijuana River exceeded the operational capacity of Pump Station CILA causing flow in the Tijuana River to bypass the River Diversion Structure and cross the U.S./Mexico border.

³⁸ Order No. R9-2014-0009 requires monthly reporting of all dry weather transboundary flows defined as the preceding 72 hours have been without precipitation greater than 0.1 inch, based on the Goat Canyon Pump Station rain gauge. Wet weather transboundary flows are not required to be reported and information is provided voluntarily.

Location	Date(s) of the Transboundary Flow	Weather Condition ³⁸	Total Volume (Gallons)	Total Recovered (Gallons)	Total Reaching Surface Waters (Gallons)	Additional Details
Tijuana River	9/13/2019 to 9/16/2019	Dry	16,036,547	0	16,036,547	Flow in the Tijuana River exceeded the operational capacity of Pump Station CILA causing flow in the Tijuana River to bypass the River Diversion Structure and cross the U.S./Mexico border.
Tijuana River	9/26/2019 (End date not reported)	Dry	929,621	0	929,621	Precipitation in the upper Tijuana River watershed was reported as a contributing factor that caused flow in the Tijuana River to exceed the operational capacity of Pump Station CILA, bypass the River Diversion Structure and cross the U.S./Mexico border.
Tijuana River	9/29/2019 (End date not reported)	Dry	7,810,247	0	7,810,247	A break in a 16-inch potable water line in Mexico caused flow in the Tijuana River to exceed the capacity of Pump Station CILA, bypass the River Diversion Structure, and cross the U.S./Mexico border.