

California Regional Water Quality Control Board
San Diego Region
David Gibson, Executive Officer



Executive Officer's Report
September 11, 2019

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Part A – San Diego Region Staff Activities

1. Personnel Report

Staff Contact: Jeremy Haas

The Organizational Chart of the San Diego Water Board can be viewed at http://www.waterboards.ca.gov/sandiego/about_us/org_charts/orgchart.pdf

Departures

Three staff separated from State service in August and one will retire in September.

Beatrice Griffey, Engineering Geologist in the Site Restoration, Military Facilities Unit, retires from State service on September 30, 2019. After 20 years of State service, Bea plans to spend most of her free time with her husband and their dogs.

Trish Tran, a Student Assistant Engineer in the Groundwater Protection Unit, left State service on August 30, 2019. Trish is currently pursuing a Bachelor of Science degree in mechanical engineering from San Diego State University.

Benjamin Carlson, a Graduate Student Intern in the Monitoring, Assessment, and Research Unit, has left the San Diego Water Board for a full-time stormwater inspector position with the Port of San Diego. Benjamin began working as an intern in May on a project involving monitoring for bacteria and nutrients to determine loading and source hotspots in the De Luz and Sandia watersheds of the Santa Margarita River. With Benjamin's departure, the San Diego Water Board has learned that prior-awarded paid intern positions revert to State Board for future allocation when an intern departs the position early.

Steven Teel, Engineering Geologist in the Site Restoration Program unit separated from State service on August 19, 2019 to return to work in his home state of Washington.

Recruitment

The recruitment process has begun to hire an Engineering Geologist in the Site Cleanup, Military Facilities Unit and a limited-term Senior Environmental Scientist Specialist in the Healthy Waters Branch.

Information on vacancies can be viewed at https://www.waterboards.ca.gov/sandiego/about_us/employment/

New Hires

Two positions have recently been filled. Nisarg Joshi began work on August 1 as a student assistant in the Storm Water Management Unit. He is pursuing a Master of Science degree in Civil Engineering from Cal Poly Pomona.

Dulce Romero began on August 30 as a Staff Services Manager supervising the Mission Support Services Unit and serving as our regional Administrative Officer.

2. Public Records Requests

Staff Contact: Leah Lorch

Per the California Public Records Act, when a member of the public requests to inspect a public record or obtain a copy of a public record, each agency shall, within 10 days, determine whether the request seeks copies of disclosable public records in the possession of the agency and shall promptly notify the person making the request of the determination and the reasons therefor. Once the requested records are ready for review, the records coordinator schedules a date and time for the requestor to review the files or for the files to be provided to the requester electronically.

The San Diego Water Board receives most of these requests by email (rb9_records@waterboards.ca.gov) and some by fax. From January 01, 2019- June 30, 2019, the records coordinator received 270 records requests. Out of the 270 requests received, 88 requests had either electronic or paper information that was made available for review. The rest of the requests did not produce any information. During the last year, the Water Board has received approximately 45 records requests per month. Most of the requests are done within 1-3 days but the more complex cases, such as those that require the assistance from program staff or Office of Chief Counsel can take 15-30 days to complete.

Part B – Significant Regional Water Quality Issues

1. Biological Objectives Project Update

Staff Contact: Chad Loflen

The Biological Objectives Project Webpage can be viewed at:

https://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/bio_objectives/

Following the San Diego Water Board's identification of Biological Objectives as a priority Basin Plan review issue in 2015, Board staff began working on the development of a Biological Objectives amendment to the Basin Plan. Staff released an Administrative Draft on January 22, 2018, for early public feedback and then released a draft proposed Basin Plan Amendment and Staff Report, including a Substitute Environmental Document for formal public review and comment on February 28, 2019. During the comment period, staff also hosted a public workshop on April 18, 2019.

Status

The written public comment period closed on June 01, 2019, after being extended from May 02, 2019, to June 01, 2019, in response to multiple requests for an extension at the April 18, 2019, Public Workshop. The San Diego Water Board received a total of eleven comment letters over the 91-day public comment period. The comment letters came from local governmental agencies, non-governmental organizations, and groups representing regulatory actions or interests. Board staff are currently reviewing the submitted written comments, identifying potential changes to the draft documents in response, and drafting a written response to comments document. Copies of the public comments are currently posted on the project website.

The San Diego Water Board also received peer review comments on the Biological Objectives Project. A total of four peer reviewers submitted reviews to the San Diego Water Board. Board staff are currently reviewing the peer review comments and preparing a written response. More information on the peer review process can be found at the Water Board's peer review website:

https://www.waterboards.ca.gov/water_issues/programs/peer_review/

Next Steps

The next steps for the project include drafting responses to written public and peer review comments, as well as making any related changes to the draft Basin Plan Amendment, Staff Report, and Substitute Environmental Document. The San Diego Water Board will then schedule and properly notice a public hearing for a tentative Basin Plan amendment.

2. Commercial Agriculture Regulatory Program Update (Attachment B-2)

Staff Contacts: Jason DuMond and Christina Arias

The San Diego Water Board's Commercial Agriculture Regulatory Program (Program) has been focusing on increasing enrollment, enforcement, performing inspections, using Geographic Information Systems (GIS) to identify agricultural areas exhibiting high nitrogen and phosphorus (nutrient) loading, and expanding outreach in collaboration with other entities.

Efforts to Increase Enrollment

The Program's highest priority continues to be efforts to increase enrollment in [Order No. R9-2016-0004](#)¹ (Order). The process begins by sending directive letters to growers who have failed to enroll in the Order. From March to August 2019, Program staff sent 39 directive letters to non-filers and successfully enrolled 20 growers. In some instances, directive letters were returned to sender because of an invalid address; however, staff continue to investigate correct contact information which is a time-consuming process. The remaining directive letter recipients have either failed to respond, no longer operate, or are in the process of enrolling by first joining a Third-Party Group. From March to August 2019, Program staff issued 13 Notices of Violations (NOVs) for growers who failed to enroll by the 30-day deadlines specified in the directive letters. This has been an effective process for compelling non-filers to enroll.

Twenty-four enrolled operations submitted Notices of Termination (NOTs) since March 2019. The process for approving NOTs consists of verifying the reason for termination and requiring more information if needed. Directive letters may be sent to new owners if the new owners have not voluntarily enrolled.

¹ There are two Orders for agricultural operations. To date, all enrollees have chosen to enroll in *Order No. R9-2016-0004 General Waste Discharge Requirements for Discharges from Commercial Agricultural Operations for Dischargers that are Members of a Third-Party Group in the San Diego Region*,

Inspections

Staff developed inspection forms specific to agricultural operations and conducted six inspections from March to August 2019. Additionally, staff is in the process of adapting the inspection form to use with mobile devices and associated *Survey 123 for ArcGIS* software. This software geo-locates the photos taken in the field and superimposes them on maps using GIS. Staff inspected two agricultural operations using this new tool and will continue to make improvements to the forms and procedures.

Additional inspections are planned in the coming months. The locations of the planned inspections consider GIS data that displays nutrient concentrations in the receiving waters in the San Luis Rey and Santa Margarita watersheds. Staff plan to prioritize inspections in areas upstream of locations with high nutrient concentrations. Staff will also consult the Monitoring Assessment and Research Unit to identify streams having both high nutrient concentrations and low California Stream Condition Index (CSCI) scores.

As a follow up to a field inspection in February, staff issued a Notice of Violation to a commercial nursery in the Santa Margarita watershed for failing to minimize or prevent the discharge of waste to waters of the State, and an Investigative Order requiring a description of improved management measures to correct the alleged violations. Staff is assisting the Compliance Assurance Unit with continued enforcement for this particular discharger.

Outreach

Several outreach activities have been undertaken to communicate with growers and notify them of the obligation to seek regulatory coverage. Staff developed an outreach letter in both English and Spanish (Attachment B-2) that explains the need to enroll, and that doing so will allow the grower to avoid the San Diego Water Board's enforcement process. The UC San Diego Cooperative Extension and San Diego Farm Bureau emailed this letter to their extensive mailing lists in an effort to assist Program staff.

Staff also developed a tri-fold brochure in both English and Spanish (Attachment B-2) that explains what growers need to do to initiate the enrollment process. This was developed with the intention to be distributed by municipal storm water staff through their routine nursery inspection programs. Program staff requested help from storm water program managers with this task (Attachment B-2) and has received a favorable response. Staff plan to seek assistance from local water purveyors with outreach efforts, as well.

Finally, Program staff collaborated with the San Diego Water Board's social media team to create a video that informs the public about our Agricultural Program. The video is available online on [YouTube](#) and all San Diego Water Board's social media platforms.

3. Enforcement Actions for July 2019 (Attachment B-3)

Staff Contact: Chiara Clemente

During the month of July 2019, the San Diego Water Board issued 2 Administrative Civil Liability Settlement Orders, 1 Investigative Order, 5 Notices of Violation, and 25 Staff Enforcement Letters. A summary of each 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](#)

[California Integrated Water Quality System \(CIWQS\)](#)

[State Water Board GeoTracker database](#)

4. Sanitary Sewer Overflows and Transboundary Flows from Mexico in the San Diego Region – June 2019 (Attachment B-4)

Staff Contact: Keith Yaeger

Sanitary sewer overflow (SSO) discharges from 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, threaten public health, adversely affect aquatic life, and impair 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 and streams.

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 spill reports are required under the [Statewide General SSO Order](#)², the [San Diego Regional General SSO Order](#)³, and/or individual National Pollutant Discharge Elimination System (NPDES) permit requirements. Some federal entities⁴

² 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*.

³ San Diego Water Board Order No. R9-2007-0005, *Waste Discharge Requirements for Sewage Collection Agencies in the San Diego Region*.

⁴ 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*.

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: June 2019 - Summary of Public and Federal Sanitary Sewer Overflows in the San Diego Region
- Table 2: June 2019 - Summary of Private Lateral Sewage Discharges in the San Diego Region

A summary view of information on SSO trends is provided in the following attached figures (Attachment B-5):

- 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 June 2018 to June 2019. During this period, 42 of the 63 collection systems in the San Diego Region regulated under the Statewide SSO Program reported one or more sewage spills. Twenty-one collection systems did not report any sewage spills. A total of 336 sewage spills were reported and 146,874 gallons of sewage reached surface waters.

Additional information about the San Diego Water Board sewage overflow regulatory program is available at

http://www.waterboards.ca.gov/sandiego/water_issues/programs/ss0/index.shtml.

Transboundary Flows

Water and wastewater in the Tijuana River and from a number of canyons located along the international border ultimately drain from 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 to capture dry weather transboundary flows from some of the canyons for treatment at the South Bay International Wastewater Treatment Plant (SBIWTP) in San Diego County 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.

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

- Table 3: June 2019 - Summary of Transboundary Flows from Mexico into the San Diego Region

The U.S. Marine Corps Recruit Depot and the U.S. Navy voluntarily report sewage spills through CIWQS.

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 Limites y Aguas (CILA)⁵ share 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 dry weather runoff collected from a series of 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 Order No. R9-2014-0009, NPDES No. CA0108928.
- Several pump stations and wastewater treatment plants in Tijuana, Mexico.
- The River Diversion Structure and Pump Station CILA in Tijuana divert dry weather flows from the Tijuana River. The flows are diverted to a Pacific Ocean shoreline discharge point approximately 5.6 miles south of the U.S./Mexico border, or can be diverted to SBIWTP or another wastewater treatment plant in Tijuana, depending on how Tijuana's public utility department (CESPT) configures 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).

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 Region

1. Water Quality Control Plan for Enclosed Bays and Estuary – Part 1: Sediment Quality Provisions Approved by U.S. EPA

Staff Contact: Cynthia Gorham

The State Water Resources Control Board (State Water Board) has completed the approval process for amendments to the *Water Quality Control Plan for Enclosed Bays and Estuaries – Part 1: [Sediment Quality Provisions](#)* (Provisions). They were adopted by the State Water Board on June 5, 2018, approved by the Office of Administrative Law on November 14, 2018, and approved by U.S. EPA on March 11, 2019. The Provisions were adopted to protect bay and estuarine aquatic life, human health, wildlife and resident finfish from toxic pollutants in sediments.

⁵ The Mexican section of the IBWC.

Establishing sediment quality objectives has been a multi-year effort by the State Water Board and the Provisions represent the culmination of this work. Previously, U.S. EPA approved narrative objectives for both aquatic life and human health on August 27, 2009.

The San Diego Water Board will incorporate the Provisions' objectives and approaches into National Pollutant Discharge Elimination System (NPDES) permits, dredging permits, Total Maximum Daily Loads (TMDLs), and Cleanup Orders within bays and estuaries. Examples of how the Provisions can be used including providing direction to:

- Categorize conditions and establish sediment cleanup levels in San Diego Bay, and
- Establish numeric targets within TMDLs for restoring impaired conditions within coastal lagoons.

The Provisions define narrative objectives, identify the beneficial uses that are intended to be protected, and outline methods and procedures to interpret the objectives. The narrative objectives protect aquatic life, human health, terrestrial wildlife and resident finfish. "Aquatic life" is used as a general representation of all estuarine and marine aquatic organisms and is measured using benthic invertebrate communities in subtidal soft sediment. The new sections of the Provisions are terrestrial wildlife and resident finfish narrative objectives implementing the narrative aquatic life use as a water quality standard, and the approach to interpret the fish consumption objectives for chlorinated pesticides and Polychlorinated Biphenyls (PCBs).

Aquatic Life Objective

The aquatic life objective protects benthic macroinvertebrate communities in California bays and estuaries using a multiple lines of evidence approach by analyzing data from subtidal sediment quality, toxicity, and benthic community structure. The objective applies to Estuarine Habitat (EST) and Marine Habitat (MAR) beneficial uses.

The Provisions include narrative sediment quality objectives (SQOs) as part of the aquatic life use objective protecting:

1. benthic communities from direct exposure to pollutants in sediments,
2. human health risk from the consumption of fish and shellfish tissue that may pose a risk because of contaminants in sediment, and
3. protecting wildlife and resident finfish from exposure to contaminants in sediment.

U.S. EPA approved the implementation of the narrative objective for aquatic life as a water quality standard in 2009. The Provisions now include minor changes to the Chemical Score Index (CSI) which is one of two chemical indices used in the Sediment Quality Provisions to assess chemical risk and category thresholds for five of the twelve chemicals used in the CSI. The chemical results are used to identify four separate categories based on relationships between the chemical and benthic effects. The changes for zinc and high molecular weight polycyclic aromatic hydrocarbons (PAHs) are minor (to the third significant digit). For the pesticide DDT and its toxic intermediate breakdown products DDE and DDD, the thresholds for the High category decreased substantially and the thresholds for Minimal, Low and Moderate categories increased.

Human Health Objective

The human health narrative objective restricts the presence of pollutants in sediment that will bioaccumulate through the food web in bays and estuaries to fish and shellfish that are harmful to humans if consumed. This objective applies to Commercial and Sportfishing (COMM), Aquaculture (AQUA), Tribal Tradition and Culture (CUL), Tribal Subsistence Fishing (T-SUB) and Subsistence Fishing (SUB) beneficial uses. The State Water Resources Control Board adopted the tribal beneficial uses (CUL, T-SUB and SUB) on May 2, 2017. The San Diego Water Board will be adding these uses to the San Diego Water Board Basin Plan before the 2019-20 fiscal year is over.

U.S. EPA approved implementation language for the human health narrative objective in 2009 that required implementation on a *“case-by-case basis, based upon a human health risk assessment.”* The Provisions now include implementation language with a specific approach to interpret objectives for PCBs and chlorinated pesticides.

The methods and procedures described in the Provisions will be used to:

- interpret the narrative objective protecting human consumers of locally caught sportfish. These tools and the associated assessment framework are intended to address the two components of the sediment quality objective protecting human consumers;
- assess whether pollutant concentrations in sportfish pose unacceptable chemical exposure to human consumers; and
- assess whether sediment contamination at a site is a significant contributor to sportfish contamination.

These are assessed using a three-tiered procedure. Tier 1 is an optional screening process where existing fish tissue and/or sediment data are screened using conservative thresholds. Fish tissue data concentrations of PCBs and chlorinated pesticides for a set of defined species are compared to tissue thresholds developed by the Office of Environmental Health Hazard Assessments (OEHHA). The data are pooled and the upper 95th confidence level concentration is compared to the Fish Contaminant Goal (FCG) which is the lowest OEHHA threshold.

A Tier 2 evaluation is required if tissue exceeds the threshold and if tissue and sediment exceed the thresholds. The second tier requires the collection of new data as specified in the Provisions. Fish tissue and lipid data are required. The tissue concentrations are separated by comparing the average fish tissue concentration to the OEHHA FCGs and assessment threshold levels of the Provisions. A Tier 3 evaluation is designed to address unique situations or evaluate additional factors affecting the assessment not considered in Tier 2.

Wildlife and Resident Finfish Objective

The Provisions include a wildlife and resident finfish narrative objective that restricts pollutants in sediments that are toxic to wildlife and resident finfish by:

- direct exposure to the pollutants or,
- indirectly by bioaccumulation of pollutants through the food web at levels that are harmful to wildlife or resident finfish in California bays and estuaries. These objectives apply to Estuarine Habitat (EST) and Marine Habitat (MAR), Rare,

Threatened, or Endangered Species (RARE), Preservation of Biological Habitats of Special Significance (BIOL), Wildlife Habitat (WILD) and Spawning Reproduction and Early Development (SPAWN) beneficial uses.

Implementation provisions for this objective are not as detailed as the aquatic life or human health objectives. Instead, implementation of the narrative wildlife and resident finfish objective will be considered on a case-by-case basis, using an ecological risk assessment.

Summary

The Provisions were adopted to protect aquatic life uses (EST and MAR), wildlife and resident finfish uses (RARE, BIOL, WILD, SPAWN), and human health uses (COMM, AQUA, CUL, T-SUB, SUB) from toxic sediments in bays and estuaries. It is the culmination of a multi-year process by the State Water Board to establish sediment quality objectives. The narrative objectives and methods to interpret the objectives will be used by several planning, permitting, and enforcement programs of the San Diego Water Board. The Provisions became effective under the Clean Water Act upon U.S. EPA approval in March 2019.

For more information on the Sediment Quality Provisions go here:

https://www.waterboards.ca.gov/water_issues/programs/bptcp/sediment.html.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

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

September 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

October 9, 2019

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Rescission Order No. 83-09 and Addenda thereto, Waste Discharge Requirements for Julian Sanitation District. <i>(Komeylyan)</i>	WDR Rescission	90%	30-Sept-2019	Yes
Update on Restoration of Lake San Marcos. <i>(Mearon)</i>	Informational Item	NA	NA	NA
NPDES General Permit Reissuance for Discharges from Boatyards and Boat Maintenance and Repair Facilities Adjacent to Surface Waters within the San Diego Region <i>(Rodriguez and Yaeger)</i>	NPDES Permit Reissuance	100%	29-Aug-2019	No

November 13, 2019

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Addendum No. 1 to Waste Discharge Requirement Order No. 93-07 San Luis Rey Wastewater Treatment Plant, City of Oceanside, San Diego County <i>(Bushnell)</i>	WDR Amendment	30%	3-Oct-2019	No

December 11, 2019

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
NPDES Permit Reissuance for the City of Oceanside, Oceanside Ocean Outfall. <i>(Lim)</i>	NPDES Permit Reissuance	80%	TBD	No
NPDES Permit Reissuance for the Fallbrook Public Water District Wastewater Plant No. 1. <i>(Lim)</i>	NPDES Permit Reissuance	80%	TBD	No
NPDES Permit Reissuance for the Camp Pendleton Southern Regional Tertiary Treatment Plant. <i>(Lim)</i>	NPDES Permit Reissuance	80%	TBD	No
NPDES Permit Reissuance for Genentech, Inc. <i>(Lim)</i>	NPDES Permit Reissuance	80%	TBD	No
Update on the Clean Water Act Section 401 Program for Dredge and Fill Material and Discharges. <i>(Becker)</i>	Informational Item	NA	NA	NA
Rescission of Order No. 87-108, Waste Discharge Requirements for Rancho Del Campo Campgrounds. <i>(Komeylyan)</i>	WDR Rescission	50%	16-Sept-2019	Yes

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, 2019	Strawn	
Informational item on the status of the Mission Bay ReWild project, with a particular focus on challenges the Board can help address.	Warren	
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)		
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

March 13, 2019

Requested Agenda Item	Board Member	Status
Informational update on the Modern Monitoring project to prepare the Board for possible discussions at the Water Quality Coordinating Committee Meeting to be held in October	Abarbanel	September 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	Update by September 1, 2019
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	Prior to October 2019
Routine and regular updates on intake construction, impact studies, and mitigation efforts related to the Carlsbad Desalination Plant permit.	Olson	

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	Presented at the August 14, 2019 Board Meeting
Update on Governor Newsom's Executive Orders related to resilient, sustainable water supply	Abarbanel, Cantú	Presented at the August 14, 2019 Board Meeting
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	

What Is the Commercial Agriculture Regulatory Program?

The Commercial Agriculture Regulatory Program regulates runoff from agricultural operations through waste discharge requirements (WDRs). San Diego Water Board

Order No. R9-2016-0004, *General WDRs for Commercial Agricultural Operations for Dischargers that are Members of a Third-Party Group*, is for agricultural operations who have joined a Third-Party Group grower coalition.

This Order requires the implementation of management measures to prevent or minimize the pollutants that may adversely impact water quality. Growers in a Third-Party Group will enjoy reduced annual permit fees and share the costs of sampling and reporting.

Growers may sign up as individuals but will not have compliance assistance from a Third-Party Group and will be responsible for all sampling and reporting to the San Diego Water Board.

How Do I Join a Third-Party Group?

The San Diego Water Board strongly encourages growers to contact a Third-Party Group to assist with enrollment, document upload, and overall compliance.

There are four Third-Party Groups serving the San Diego Region:

- De Luz Ag Group (De Luz area only) (951) 366-0664
- Frog Environmental Group (310) 241 -0866
- San Diego Region Irrigated Lands Group (760) 745-3023
- Upper Santa Margarita Irrigated Lands Group (909) 208-7847

Is there an Application Fee?

Yes. There is a \$50 application fee to enroll. The fee increases to \$200 if growers receive a written directive to enroll from the San Diego Water Board. This is in addition to membership fees associated with Third-Party Groups.



How Do I Enroll?

Each grower must provide information on an application including parcel number(s), contact info, description of crop(s) and description of measures used to prevent or minimize environmental impacts. You will need computer and internet access to complete the process.

All of the Third-Party Groups are available to assist with the enrollment process and application fee.

For Additional Information

Visit the [Commercial Agriculture Regulatory Program](#) website

Or

Call the San Diego Water Board:

(619) 516-1990

Or

Email your questions to:

rb9_questions@waterboards.ca.gov



Why is the Program Necessary?

Runoff from commercial agricultural operations is known to contain suspended sediments, salts, nutrients, and pesticides. These pollutants impair water quality.

The Program protects downstream water quality from adverse impacts and assists agricultural operations in complying with existing regulations.

Do I need to Enroll?

Enrollment in the Program is **mandatory** for all commercial agricultural operations in the San Diego Water Board's jurisdiction. This includes **farms, nurseries, orchards, and vineyards** that produce crops or ornamentals with the intent to make a profit.

Growers must enroll if at least one is true:

- The grower files IRS Form 1040 Schedule F with their federal taxes;
- The grower receives an agricultural water use rate or variance;
- The grower has a pesticide use permit or identification number.

Failure to enroll is a violation of California Water Code Section 13260 and could result in issuance of a fine of up to \$1,000 per day.

San Diego Regional Water Quality Control Board



San Pasqual Valley



Our Mission...

To preserve, enhance, and restore the quality of California's water resources and drinking water for the protection of the environment, public health, and all beneficial uses, and to ensure proper water resource allocation and efficient use, for the benefit of present and future generations.

Protecting Water Quality

What you need to know about the Commercial Agriculture Regulatory Program



Commercial Growers Must Seek Regulatory Coverage or Risk \$1,000 (Maximum) Fine Per Day

www.waterboards.ca.gov/sandiego



GAVIN NEWSOM
GOVERNORJARED BLUMENFELD
SECRETARY FOR
ENVIRONMENTAL PROTECTION

San Diego Regional Water Quality Control Board

Dear Farming Community,

This is a courtesy reminder about the actions you are required to take to avoid potential fines and to help protect our State's water quality. If you are already enrolled in our Agricultural Program, please disregard this letter.

ALL COMMERCIAL AGRICULTURAL OPERATIONS ARE REQUIRED TO ENROLL IN ONE OF THE SAN DIEGO WATER BOARDS DISCHARGE PERMITS

Agricultural operations include nurseries, orchards, vineyards, and any other operation that grows with the intent to sell their products. We hope you can avoid the legal enforcement procedures the Water Board must pursue against operations that are not enrolled. If you are not enrolled under one of the discharge permits, you may face fines of up to \$1,000 for every day you operate without coverage.

THIS CAN BE AVOIDED BY ENROLLING NOW!

The San Diego Water Board is actively pursuing enforcement against Operations that have failed to enroll. By voluntarily enrolling, you will:

- 1) Save \$150. If you are contacted by the San Diego Water Board's enforcement campaign, the enrollment fee is increased from \$50 to \$200;
- 2) Learn more about practices that can decrease your water and labor costs;
- 3) Improve water quality in our drinking water and streams; and
- 4) Be in compliance with the state's water quality regulations and avoid enforcement actions and fines of up to \$1,000 per day.

Learn more by reviewing the attached tri-fold flyer that describes the program, or by visiting the [Commercial Agriculture Regulatory Program](#) website.

Finally, we strongly recommend you join one of the following third-party groups (grower coalitions) to assist with enrollment and annual water quality sampling and reporting:

[De Luz Ag Group](#) (951) 366-0664;
[Frog Environmental Group](#) (310) 241-0866;
[San Diego Region Irrigated Lands Group](#) (760) 745-2215;
[Upper Santa Margarita Irrigated Lands Group](#) (909) 208-7847.

We are available to answer any questions and help you with the enrollment process. Please contact us via the phone numbers below or by email at [RB9 AG Order@waterboards.ca.gov](mailto:RB9_AG_Order@waterboards.ca.gov).

Respectfully,

Jason DuMond
Environmental Scientist
619-521-3377

Christina Arias, PE
Water Resource Control Engineer
619-521-3361

GAVIN NEWSOM
GOVERNORJARED BLUMENFELD
SECRETARY FOR
ENVIRONMENTAL PROTECTION

San Diego Regional Water Quality Control Board

TO: San Diego Region Municipal Separate Storm Sewer System (MS4) Copermittees
(via email)

FROM: Christina Arias, PE
Water Resource Control Engineer
SAN DIEGO WATER BOARD

DATE: August 13, 2019

**SUBJECT: ASSISTANCE WITH OUTREACH – COMMERCIAL AGRICULTURE
REGULATORY PROGRAM**

The San Diego Water Board's Commercial Agriculture Regulatory Program (Program) is in the midst of an aggressive outreach and enforcement effort to locate agricultural operations that are not enrolled in the Program, referred to as non-filers. Program staff is requesting your assistance with outreach to non-filers because municipal staff make contact with commercial nurseries as part of routine inspections required by Provision E.5.c. of Order No. R9-2013-0001 (as amended). Although many municipalities may not have nurseries or commercial agricultural activities taking place within their jurisdictions, this communication is to inform you of the San Diego Water Board's efforts to regulate commercial agricultural activities and advance the goals of several Watershed Water Quality Improvement Plans.

Agricultural operations in the San Diego Region are required to enroll in the Program if the owner or operator produces crops or ornamentals with the intent to make a profit. Therefore, enrollment is required if any one of the following are true:

- The owner or operator files a federal Department of Treasury Internal Revenue Service Form 1040 Schedule F *Profit or Loss from Farming* with their federal taxes;
- The owner or operator receives agriculture water use rates or has been given an agricultural water use variance from their water purveyor; or
- The owner or operator of the agricultural operation is required to obtain an Operator Identification Number/Permit Number from a local County Agricultural Commissioner for pesticide use reporting.

Please note that the intent is to regulate operations that *produce* crops or ornamentals; retail nurseries where plants are stored temporarily, but not planted in the ground, are not likely required to enroll.

If, during routine nursery or other related inspection, municipal staff discover that an agricultural operation is subject to the Program but is not enrolled, we request that you inform the owner or

HENRY ABARBANEL, PH.D., CHAIR | DAVID GIBSON, EXECUTIVE OFFICER

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operator of the requirements and provide the informational flyer (tri-fold enclosed). This flyer, printed in English and Spanish, has the pertinent information regarding Program basics and San Diego Water Board contacts. I will also be contacting some cities by phone to discuss how many hard copies you would like. Additionally, we are asking that you notify us of non-filers via email to RB9_Ag_Order@waterboards.ca.gov.

Finally, please note that agricultural operations located on public lands are subject to enrollment. This means that any city-owned leased lands where commercial agricultural activities are taking place are subject to the requirements of the Order and must enroll. Therefore, as applicable, please convey this requirement to appropriate city personnel to ensure compliance with the enrollment requirement.

Thank you for your assistance with our outreach efforts. If you have questions, please contact me at (619) 521-3361 or christina.arias@waterboards.ca.gov.

Enclosures: 1. Tri-fold (English)
2. Tri-fold (Spanish)

Cc: Laurie Walsh, San Diego Water Board

ECM# 803119

Distribution:

City of Aliso Viejo – Moy Yahya (myahya@cityofalisoviejo.com)
City of Carlsbad – Tim Murphy (tim.murphy@carlsbadca.gov)
City of Chula Vista – Marisa Soriano (msoriano@chulavistaca.gov)
City of Coronado – Jessie Powell (jpowell@coronado.ca.us)
City of Dana Point – Lisa Zawaski (lzawaski@danapoint.org)
City of Del Mar – Mikhail Ogawa (mikhail@mogawaeng.com)
City of El Cajon – John Phillips (jphillips@cityofelcajon.us)
City of Encinitas – Erik Steenblock (esteenblock@cityofencinitas.org)
City of Escondido – Alicia Appel (aappel@escondido.org)
City of Imperial Beach – Chris Helmer (chelmer@imperialbeachca.gov)
City of La Mesa – Joe Kuhn (jkuhn@ci.la-mesa.ca.us)
City of Laguna Beach – Mary Vondrak (mvondrak@lagunabeachcity.net)
City of Laguna Hills – Ken Rosenfield (krosenfield@ci.laguna-hills.ca.us)
City of Laguna Niguel – Hal Ghafari (hghafari@cityoflagunaniguel.org)
City of Laguna Woods – Christopher Macon (cmacon@lagunawoodscity.org)
City of Lake Forest – Devin Slaven (dslaven@lakeforestca.gov)
City of Lemon Grove – Paolo Romero (promero@lemongrove.ca.gov)
City of Mission Viejo – Joe Ames (james@cityofmissionviejo.org)
City of Murrieta – Bill Woolsey (wwoolsey@murrieta.org)
City of National City – Carla Hutchinson (chutchinson@nationalcityca.gov)
City of Oceanside – Mo Lahsaie (mlahsaie@ci.oceanside.ca.us)
County of Orange – Tracy Ingebrigtsen (tracy.ingebriigtsen@ocpw.ocgov.com)
Orange County Flood Control and Water Conservation District – Ariel Corpuz (ariel.corpuz@ocpw.ocgov.com)
Port of San Diego – Allison Vosskuhler (avosskuhler@portofsandiego.org)
City of Poway – Tracy Beach (tbeach@poway.org)
City of Rancho Santa Margarita – Hazel McIntosh (hmcintosh@cityofrsm.org)
County of Riverside – Scott Bruckner (SBruckner@rivco.org)
Riverside County Flood Control District – Matt Yeager (myeager@rivco.org)
City of San Clemente – Cynthia Mallett (MallettC@san-clemente.org)
City of San Diego – Drew Kleis (akleis@sandiego.gov)
San Diego County Regional Airport Authority – Richard Gilb (rgilb@san.org)
County of San Diego – Jo Ann Weber (joann.weber@sdcounty.ca.gov)
City of San Marcos – Reed Thornberry (rthornberry@san-marcos.net)
City of San Juan Capistrano – Joe Parco (JParco@sanjuancapistrano.org)
City of Santee – Cecilia Tipton (ctipton@cityofsanteeca.gov)
City of Solana Beach – Dan Goldberg (dgoldberg@cosd.org)
City of Temecula – Stuart Kuhn (stuart.kuhn@temeculaca.gov)
City of Vista – Jonathon Nottage (jnottage@ci.vista.ca.us)
City of Wildomar – Jason Farag (jfarag@cityofwildomar.org)

Enforcement Actions for July 2019

NPDES WASTEWATER

Enforcement Date	Enforcement Action	Entity/Facility/ Location	Summary of Violations and Enforcements	Applicable Permit/Order Violated
7/15/2019	Administrative Civil Liability No. R9-2019-0120	San Diego City Metropolitan Wastewater Department (Public Utilities), South Bay Water Reclamation Plant, San Diego	Settlement of three serious effluent violations totaling \$9,0000	National Pollutant Discharge Elimination System (NPDES) Order No. R9-2013-0006
7/26/2019	Administrative Civil Liability No. R9-2019-0129	PR II/SLR Vista Apartments Owner, LLC, Vista	Settlement Order for reporting violations totaling \$18,000	NPDES General Order No. R9-2015-0013
7/30/2019	Staff Enforcement Letter	Poseidon Resources (Channelside) LP Co., Claude "Bud" Lewis Carlsbad Desalination Plant, Carlsbad	Effluent discharge violations	NPDES Order No. R9-2006-0065
7/30/2019	Staff Enforcement Letter	Encina Wastewater Authority, Vallecitos Water District Meadowlark Water Reclamation Plant, Carlsbad	Deficient monitoring	NPDES Order No. R9-2018-0059

Enforcement Actions for July 2019

Enforcement Date	Enforcement Action	Entity/Facility/ Location	Summary of Violations and Enforcements	Applicable Permit/Order Violated
7/30/2019	Staff Enforcement Letter	MCREF East Village LLC, Modera East Village, San Diego	Deficient reporting; late reporting	NPDES Order No. R9-2015-0013
7/31/2019	Staff Enforcement Letter	UC San Diego, Scripps Institution of Oceanography, San Diego	Deficient monitoring	NPDES Order No. R9-2015-0070

NPDES STORMWATER

Enforcement Date	Enforcement Action	Entity/Facility/ Location	Summary of Violations and Enforcements	Applicable Permit/Order Violated
7/17/2019	Notice of Violation No. R9-2019-0156	Robertson's Ready Mix, Escondido Batch Plant, Escondido	Deficient BMP implementation; effluent violations; and unauthorized discharge	NPDES Industrial General Order No. 2014-0057-DWQ
7/11/2019	Staff Enforcement Letter	Zephyr Oceanside LLC, Oceanside	Incomplete/ insufficient SWPPP	NPDES Industrial General Order No. 2014-0057-DWQ
7/25/2019	Staff Enforcement Letter	Autobahn Dismantlers, Inc., El Cajon	Incomplete/ insufficient SWPPP	NPDES Industrial General Order No. 2014-0057-DWQ
7/29/2019	Staff Enforcement Letter	City of Temecula, Butterfield Stage Road Phase III	Deficient BMP implementation	NPDES Construction General Order No. 2009-0009-DWQ

Enforcement Actions for July 2019

Enforcement Date	Enforcement Action	Entity/Facility/ Location	Summary of Violations and Enforcements	Applicable Permit/Order Violated
7/30/2109	Staff Enforcement Letter	VTL Valley Center Ranch, LLC, Park Circle, San Diego	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 Enforcements	Applicable Permit/Order Violated
7/15/2019	Notice of Violation No. R9-2019-0117 and Investigative Order	Oak Crest Mobile Estates Inc., Fallbrook	Unauthorized discharge of sewage	Waste Discharge Requirements (WDR) Order No. 93-69

WASTE DISCHARGE REQUIREMENTS: AGRICULTURE

Enforcement Date	Enforcement Action	Entity/Facility/ Location	Summary of Violations and Enforcements	Applicable Permit/Order Violated
7/19/2019	Notice of Violation No. R9-2019-0149	Stephen Monroe, Temecula	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, California Water Code (CWC) Section 13260
7/19/2019	Notice of Violation No. R9-2019-0148	Monica Coleman, Alpine	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 Actions for July 2019

Enforcement Date	Enforcement Action	Entity/Facility/ Location	Summary of Violations and Enforcements	Applicable Permit/Order Violated
7/19/2019	Notice of Violation No. R9-2019-0158	Erick Altona of Estherline LLC, 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
7/1/2019	Staff Enforcement Letter	Jeremy Laster of RMV Middle Chiquita LLC, Mission Viejo	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
7/1/2019	Staff Enforcement Letter	Deanna Gonsalves of Vermeulen Ranch Center LLC, 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
7/10/2019	Staff Enforcement Letter	Raminder Singh of Dalin Investments LLC, Ramona	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004, WDR for Commercial Agricultural Operations, CWC Section 13260
7/31/2019	Staff Enforcement Letter	Michael Fryman, Ramona	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 Actions for July 2019

WASTE DISCHARGE REQUIREMENTS: SANITARY SEWER OVERFLOWS

Enforcement Date	Enforcement Action	Entity/Facility/ Location	Summary of Violations and Enforcements	Applicable Permit/Order Violated
7/30/2019	Staff Enforcement Letter	City of Laguna Beach	Unauthorized discharge	General WDR Order No. 2006-0003-DWQ
7/30/2019	Staff Enforcement Letter	City of Oceanside Collection System, La Salina WWTP	Unauthorized discharge	General WDR Order No. 2006-0003-DWQ
7/30/2019	Staff Enforcement Letter	City of San Juan Capistrano	Unauthorized discharge	General WDR Order No. 2006-0003-DWQ
7/30/2019	Staff Enforcement Letter	City of Solana Beach	Unauthorized discharge	General WDR Order No. 2006-0003-DWQ
7/30/2019	Staff Enforcement Letter	Irvine Ranch Water District, El Toro, Irvine	Unauthorized discharge	General WDR Order No. 2006-0003-DWQ
7/30/2019	Staff Enforcement Letter	City of Imperial Beach	Unauthorized discharge	General WDR Order No. 2006-0003-DWQ
7/30/2019	Staff Enforcement Letter	Otay Municipal Water District, Spring Valley	Unauthorized discharge	General WDR Order No. 2006-0003-DWQ

Enforcement Actions for July 2019

Enforcement Date	Enforcement Action	Entity/Facility/ Location	Summary of Violations and Enforcements	Applicable Permit/Order Violated
7/30/2019	Staff Enforcement Letter	City of San Diego, City Attorney's Office at Civic Center Plaza, Wastewater Collection System, San Diego	Unauthorized discharge	General WDR Order No. 2006-0003-DWQ
7/30/2019	Staff Enforcement Letter	Santa Margarita Water District, Santa Margarita	Unauthorized discharge	General WDR Order No. 2006-0003-DWQ
7/30/2019	Staff Enforcement Letter	Eastern Municipal Water District, Temecula Valley RCS, Perris	Unauthorized discharge	General WDR Order No. 2006-0003-DWQ
7/30/2019	Staff Enforcement Letter	Trabuco Canyon Water District, Trabuco Canyon	Unauthorized discharge	General WDR Order No. 2006-0003-DWQ

Table 1: June 2019 - Summary of Public and Federal Sanitary Sewer Overflows in the San Diego Region

Responsible Agency	Collection System (CS)	Total Volume ¹	Total Recovered ²	Total Reaching Surface Waters ³	Total Reaching Separate Storm Drain and Recovered ⁴	Total Discharged to Land ⁵	Percent Recovered	Percent Reaching Surface Waters	Percent Reaching Separate Storm Drain and Recovered	Percent Discharged to Land	Surface Water Body Affected	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area ⁶
California Department of Parks and Recreation Winterhaven	San Mateo Campground/ San Onofre CS	450	0	0	0	450	0%	0%	0%	100%	-	1.2	0.6	1,350
City of Chula Vista	City of Chula Vista CS	30	25	30	0	0	83%	100%	0%	0%	Pond on Chula Vista Golf Course	3.4	503.0	265,070
City of Imperial Beach	City of Imperial Beach CS	10	10	0	0	10	100%	0%	0%	100%	-	4.4	39.5	26,337
City of San Clemente	City of San Clemente CS	195	195	0	195	0	100%	0%	100%	0%	-	3.7	177.6	64,227
City of San Diego	City of San Diego CS	68	20	0	0	68	29%	0%	0%	100%	-	141.3	3,034.9	2,500,000
		68	68	0	0	68	100%	0%	0%	100%	-			
		62	62	0	0	62	100%	0%	0%	100%	-			
		67	67	0	0	67	100%	0%	0%	100%	-			
California State University (CSU) San Diego	CSU San Diego CS	500	0	0	0	500	0%	0%	0%	100%	-	0.0	6.0	35,000
South Coast Water District	South Coast Water District CS	650	650	0	300	350	100%	0%	46%	54%	-	3.0	138.0	42,000
US Marine Corps Base Camp Pendleton	US Marine Corps Base Camp Pendleton CS	60	0	0	0	60	0%	0%	0%	100%	-	35.0	122.0	80,509
Totals for Public Spills		2,100	1,097	30	495	1,575	52%	1%	24%	75%	-	157.0	3,899.6	2,933,984
Totals for Federal Spills		60	0	0	0	60	0%	0%	0%	100%	-	35.0	122.0	80,509

¹Total Volume = total amount that discharged from sanitary sewer system to a separate storm drain, drainage channel, surface water body, and/or land.

²Total Recovered = total amount recovered from a separate storm drain, drainage channel, surface water body, and/or land.

³Total 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.

⁴Total Reaching Separate Storm Drain and Recovered = total amount reaching separate storm drain that was recovered.

⁵Total Discharged to Land = total amount reaching land.

⁶As reported in the Collection System Questionnaire required under Order No. 2006-0003-DWQ.

Table 2: June 2019 - Summary of Private Lateral Sewage Discharges in the San Diego Region

Responsible Agency	Collection System (CS)	Total Volume ¹	Total Recovered ²	Total Reaching Surface Waters ³	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land ⁴	Percent Recovered	Percent Reaching Surface Waters	Percent Reaching Separate Storm Drain & Recovered and/or Discharged to Land	Population in Service Area ⁵	Lateral Connections
		(Gallons)					(%)			
Carlsbad Municipal Water District	Carlsbad Municipal Water District CS	280	280	0	280	100%	0%	100%	69,825	22,700
City of Laguna Beach	City of Laguna Beach CS	100	100	0	100	100%	0%	100%	18,000	6,650
City of National City	City of National City CS	700	300	0	700	43%	0%	100%	58,967	8,000
City of San Diego	City of San Diego CS	95	95	0	95	100%	0%	100%	2,500,000	264,998
		88	88	0	88	100%	0%	100%		
		96	96	0	96	100%	0%	100%		
		216	216	0	216	100%	0%	100%		
		720	520	200	520	72%	28%	72%		
Fallbrook Public Utility District	Fallbrook Public Utility District CS	20	20	0	20	100%	0%	100%	23,000	4,688
		100	100	0	100	100%	0%	100%		
		240	40	200	40	17%	83%	17%		
Moulton Niguel Water District	Moulton Niguel Water District CS	20	20	0	20	100%	0%	100%	172,068	50,833
Ramona Municipal Water District	San Vicente Treatment Plant CS	5	5	0	5	100%	0%	100%	15,000	3,799
	Santa Maria CS	150	15	0	150	10%	0%	100%	13,174	4,379
South Coast Water District	South Coast Water District CS	50	50	0	50	100%	0%	100%	42,000	14,762
Totals		2,880	1,945	400	2,480	68%	14%	86%	2,912,034	380,809

¹Total Volume = total amount that discharged from private lateral to a separate storm drain, drainage channel, surface water body, and/or land.

²Total Recovered = total amount recovered from a separate storm drain, drainage channel, surface water body, and/or land.

³Total 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.

⁴Total 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.

⁵As reported in the Collection System Questionnaire required under Order No. 2006-0003-DWQ.

Figure 1: Number of SSOs per Month

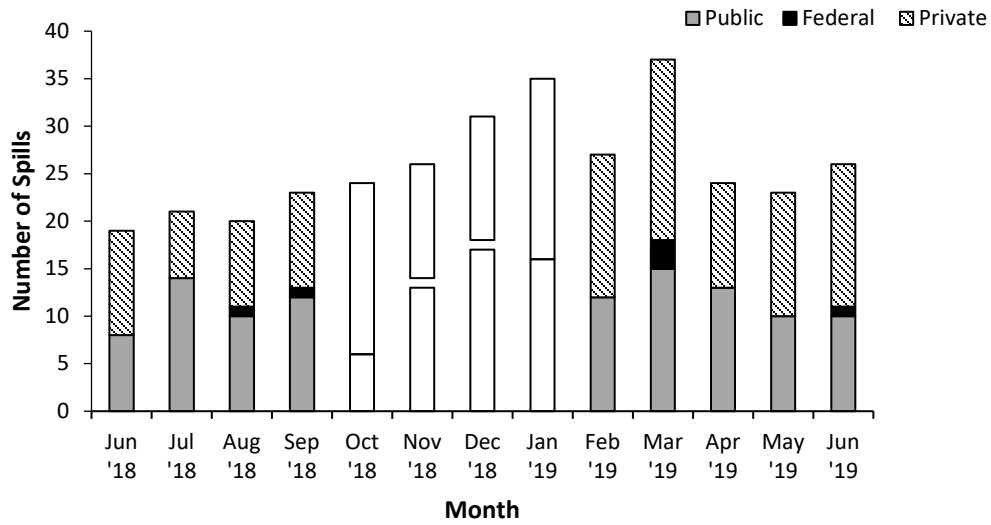


Figure 1: The number of public, federal, and private sanitary sewer overflows (SSOs) per month from June 2018 to June 2019.

Figure 2: Volume of SSOs per Month

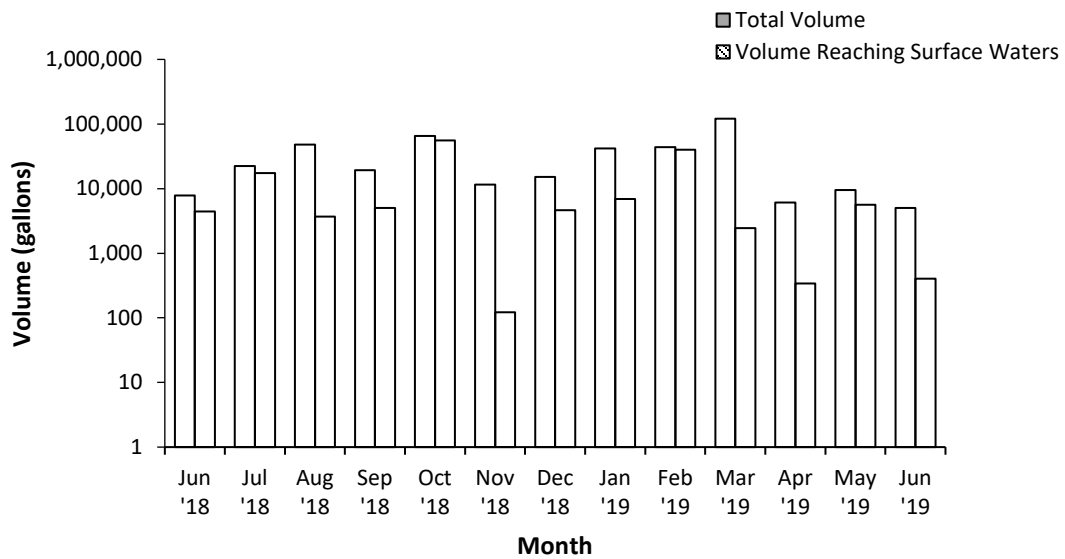


Figure 2: The volume of public, federal, and private sanitary sewer overflows (SSOs) per month from June 2018 to June 2019. Note the logarithmic scale on the vertical axis showing the wide variation in SSO volumes.

Table 3: June 2019 - Summary of Transboundary Flows from Mexico into the San Diego Region

Location	Start Date	Total Volume	Total Recovered	Total Reaching Surface Waters	Percent Recovered	Percent Reaching Surface Waters	Additional Details
		(Gallons)			(%)		
Dry Weather ¹							
Tijuana River	6/1/2019	80,000	0	80,000	0%	100%	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	6/8/2019	99,000	0	99,000	0%	100%	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	6/18/2019	109,000	0	109,000	0%	100%	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	6/19/2019	1,870,000	0	1,870,000	0%	100%	Trash clogged the intake screens on Pump Station CILA causing flow in the Tijuana River to bypass the River Diversion Structure and cross the U.S./Mexico border.
Tijuana River	6/23/2019	399,000	0	399,000	0%	100%	A 60-inch sewage collector in Mexico ruptured which 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	6/26/2019	4,650,000	0	4,650,000	0%	100%	The same 60-inch sewage collector in Mexico that ruptured on June 23, 2019 again 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.
Total Dry Weather		7,207,000	0	7,207,000	0%	100%	-
Wet Weather ²							
-	-	-	-	-	-	-	-
Total Wet Weather		N/A	-	-	-	-	-

¹Order No. R9-2014-0009 requires monthly reporting of all dry weather transboundary flows.

²Order No. R9-2014-0009 does not require monthly reporting of wet weather transboundary flows. Any information provided regarding these flows is voluntary.