

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



Executive Officer's Report
August 12, 2020

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The August report for the Tentative Schedule of Significant NPDES Permits, WDRs, and Actions; Agenda Items Requested by Board Members; and the attachments noted above are included at the end of this report.

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/2020/August/Regional_Board_Staff.pdf.

Recruitment

The recruitment process has begun to fill the Supervising Engineering Geologist vacancy in the Site Restoration and Groundwater Protection Branch.

Recent Hire

Congratulations to Kelly Dorsey who was appointed as the new Assistant Executive Officer. Kelly had been Acting Assistant Executive Officer since January 2020. She brings boundless enthusiasm and 22 years of experience to this position. Since April 2018, Kelly had been a Supervising Engineering Geologist and the Chief of the Site Restoration and Groundwater Protection Branch. She has a Bachelor of Science degree in Geology from California State University East Bay and is a registered Professional Geologist. During the last six months, she brought indispensable leadership and stability to our office during a time of great stress and transition. Kelly's leadership, drive, expertise, organization skills and dedication to the Water Board's Mission and our Practical Vision will make her an excellent and effective Assistant Executive Officer.

Reductions

In response to a Governor's Office directive that requires each state agency to provide five percent of its workforce to help the California Department of Public Health (CDPH) with COVID-19 contact tracing efforts, three of our full time staff have been temporarily redirected to assist CDPH. We expect these reassignments to last six to nine months. In addition, we are anticipating a 10 percent reduction in overall staff resources during fiscal year 20-21 as a consequence of salary reductions sought by the Governor to compensate for the COVID-19 pandemic effects on the State budget.

Information on our vacancies can be found on the CalCareers and San Diego Water Board websites:

<https://calcareers.ca.gov/CalHRPublic/Search/AdvancedJobSearch.aspx>.

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

Part B – Significant Regional Water Quality Issues

1. Public Release of Proposed Enforcement Settlement

Staff Contact: Chiara Clemente

The California Regional Water Quality Control Board, San Diego Region (San Diego Water Board) released Tentative Settlement Agreement Order No. R9-2020-0150 for public review and comment on July 8, 2020. The tentative Order, if approved by the City of San Diego and the San Diego Water Board, would resolve liability associated with the discharge of 6,750,734 gallons of untreated sewage into Tecolote Creek, a water of the United States and tributary to Mission Bay, from January 5, 2016 to January 10, 2016. As part of the settlement terms, the City of San Diego would agree to pay an administrative civil liability totaling \$2,541,874. Approximately half of the liability would be suspended upon the successful completion of a Supplemental Environmental Project (SEP) for Northeast Mission Bay Wetland Restoration as described in Attachment B of the tentative Order.

The tentative Order and attachments are available for review on the Water Board's [tentative Orders webpage](#).¹ Instructions on how to submit written comments, are described in the 30-day Notice on the webpage. All written comments are due by 5:00 p.m. on Monday, August 10, 2020.

Once the written comments have been received, the matter will be considered by the San Diego Water Board at a regularly scheduled Board meeting. The matter is tentatively scheduled for the September 9, 2020 Board meeting. Board agendas and supporting documentation are available on the Board's agenda webpage.²

2. Enforcement Actions for April through June 2020 (Attachment B-2)

Staff Contact: Chiara Clemente

During the months of April, May, and June 2020, the San Diego Water Board issued 4 Administrative Civil Liability (ACL) Orders, 4 Investigative Orders, 4 Notices of Violation, and 1 Staff Enforcement Letter. A summary of each written enforcement action taken is provided in the attached table. 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:

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

¹ https://www.waterboards.ca.gov/sandiego/board_decisions/tentative_orders/

² https://www.waterboards.ca.gov/sandiego/board_info/agendas/

California Integrated Water Quality System (CIWQS):

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

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

3. Sanitary Sewer Overflows and Transboundary Flows from Mexico in the San Diego Region – April and May 2020 (Attachment B-3)

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](#)³, the [San Diego Regional General SSO Order](#)⁴, and/or individual National Pollutant Discharge Elimination System (NPDES) permit requirements. Some federal entities⁵ 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.

³ 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*.

⁴ San Diego Water Board Order No. R9-2007-0005, *Waste Discharge Requirements for Sewage Collection Agencies in the San Diego Region*.

⁵ 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.

Details on the reported SSOs are provided in the following attached tables:

- Table 1: April 2020 - Summary of Public and Federal Sanitary Sewer Overflow Events
- Table 2: May 2020 - Summary of Public and Federal Sanitary Sewer Overflow Events
- Table 3: April 2020 - Summary of Private Lateral Sewage Discharge Events
- Table 4: May 2020 - Summary of Private Lateral Sewage Discharge Events
- Table 5: April and May 2020 - Summary of Sewage Discharges by Source

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 April 2019 through May 2020. During this period, 40 of the 63 collection systems in the San Diego Region regulated under the Statewide SSO Program reported one or more sewage spills. Twenty-three collection systems did not report any sewage spills. A total of 347 sewage spills were reported and over 14.6 million gallons of sewage reached surface waters. In April 2020, there was an increase in the number and volume of SSOs from publicly owned collection systems when compared to previous months. Approximately half of the SSOs during the month occurred on April 10, 2020 and were reported to be in connection with multiple episodes of heavy rainfall from April 5 through 10 that brought record precipitation and flash flooding to the Southern California area. Precipitation on April 10, 2020 was consistent with 25 to 50-year, 24-hour frequency storm events in some areas in the San Diego Region. Several agencies reported that the SSOs were the result of surcharged collection systems due to infiltration and inflow from the storm event(s).

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

https://www.waterboards.ca.gov/sandiego/water_issues/programs/sso/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 United States (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 River⁶, 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.

From March 30, 2020 to May 31, 2020, there were nine reported dry weather transboundary flows. In total, the reported transboundary flows during this period resulted in over 2.4 billion gallons of contaminated water⁷ flowing from Mexico into the United States. In addition, USIBWC reported that Pump Station CILA was shut down on March 1, 2020 and resumed operation on May 12, 2020. It can be assumed that transboundary flows occurred at the Tijuana River main channel during wet weather periods, as defined in Order No. R9-2014-0009. Details on the transboundary flows reported in April and May 2020 are provided in the attached tables:

- Table 6: April and May 2020 - Summary of Transboundary Flows from Mexico by Event
- Table 7: April and May 2020 - 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 Limites y Aguas (CILA)⁸ 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 transboundary flows conveyed from canyon collectors located in Smuggler's 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 diverts 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

⁶ Tijuana River transboundary flows are typically comprised of groundwater, urban runoff, storm water, treated sewage wastewater, and untreated sewage wastewater from infrastructure deficiencies and other sources in Mexico.

⁷ As used in this report, the term "contaminated water" is intended to refer to water that either meets the definition of "contamination" under Water Code section 13050(k) or that creates, or threatens to create, a condition of "pollution" under Water Code section 13050(l).

⁸ The Mexican section of the IBWC.

(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.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

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

August 12, 2020

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

September 9, 2020

Remote Meeting

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Rescission of Order No. 88-50, Waste Discharge Requirements for Ramona Canyon RV Resort (<i>Bushnell</i>)	Waste Discharge Requirement Rescission	50%	31-Jul-20	Yes
Rescission of Order No. 93-12, Waste Discharge Requirements for Puerta La Cruz Conservation Camp (<i>Bushnell</i>)	Waste Discharge Requirement Rescission	50%	30-Jul-20	Yes
Rescission of Order No. 94-69, Waste Discharge Requirements for Fredrick W. Gorman and Laura L. Prutch, Fallbrook Kamp Retreat, San Diego County (Tentative Order No. R9-2020-0174). (<i>Komeylyan</i>)	Waste Discharge Requirement Rescission	50%	31-Jul-20	Yes
Rescission of Order No. 94-21, Waste Discharge Requirements for Mr. Charles J. Williams, Champagne Lakes RV Resort, San Diego County (Tentative Order No. R9-2010-0175). (<i>Komeylyan</i>)	Waste Discharge Requirement Rescission	50%	31-Jul-20	Yes
Rescission of Order No. 94-107, Waste Discharge Requirements for San Diego County, Dos Picos Park, San Diego County (Tentative Order No. R9-2020-0176). (<i>Bushnell</i>)	Waste Discharge Requirement Rescission	50%	30-Jul-20	Yes

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Rescission of Order No. 95-89, Waste Discharge Requirements for Thomas Serrantos, Pair-A-Dice Mobile Home Park, San Diego County (Tentative Order No. R9-2020-0177). <i>(Bushnell)</i>	Waste Discharge Requirement Rescission	50%	30-Jul-20	Yes
Settlement Agreement and Stipulation for Entry of Administrative Civil Liability in the Matter of City of San Diego January 2016 Sanitary Sewer Overflow to Tecolote Creek and Mission Bay (Tentative Order No. R9-2020-0150). <i>(Means)</i>	Settlement Agreement for Administrative Civil Liability	100%	10-Aug-20	TBD
Update on ReWild Project and Planning for De Anza Cove in Mission Bay: History, Status, and Opportunities. <i>(Harris)</i>	Informational Item	NA	NA	NA
Discussion Item: Next Gen Monitoring. <i>(Vice Chair Cantú and Walsh)</i>	Informational Item	NA	NA	NA
Operational Plan 2020-2021 <i>(Gibson)</i>	Informational Item	NA	NA	No

**October 14, 2020
Remote Meeting**

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Rescission of Order No. 94-05, Waste Discharge Requirements for All Seasons RV Park, LLC, Mr. Larry Tardie, All Seasons RV Park, San Diego County (Tentative Order No. R9-2020-0178). <i>(Komeylyan)</i>	Waste Discharge Requirement Rescission	20%	TBD	Yes
Rescission of Order No. 94-13, Waste Discharge Requirements for Mr. Christine Stanley, Pinezanita Trailer Ranch, San Diego County (Tentative Order No. R9-2020-0135). <i>(Bushnell)</i>	Waste Discharge Requirement Rescission	20%	TBD	Yes
Rescission of Order No. 94-18, Waste Discharge Requirements for Stephan and Susan Harris, Woods Valley Kampground, San Diego County (Tentative Order No. R9-2020-0139). <i>(Komeylyan)</i>	Waste Discharge Requirement Rescission	20%	TBD	Yes
Rescission of Order No. 94-131, Waste Discharge Requirements for Shiloah Springs Bible Retreat, Inc., Indian Hills Campground, San Diego County (Tentative Order No. R9-2020-0187). <i>(Bushnell)</i>	Waste Discharge Requirement Rescission	20%	TBD	Yes
Substitute Environmental Documentation for the California Environmental Quality Act (CEQA) for Proposed Bain Plan Amendment to Incorporate Biological Objectives <i>(Loflen)</i>	Resolution	90%	NA	No
Proposed Amendments to the Water Quality Control Plan for the San Diego Basin to Incorporate Biological	Basin Plan Amendment	90%	2-May-19	No

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Objectives for Perennial and Seasonal Streams. <i>(Loflen)</i>				
San Diego Bay Update. <i>(McClain)</i>	Informational Item	NA	NA	NA
WQCC Discussion Item	Informational Item	NA	NA	NA

**November 18, 2020
Remote Meeting**

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Rescission of Order No. 94-39, Waste Discharge Requirements for Larry A. Read, Oak Knoll Campground, San Diego County (Tentative Order No. R9-2020-0186). <i>(Komeylyan)</i>	Waste Discharge Requirement Rescission	0%	TBD	Yes
Rescission of Order No. 95-15, Waste Discharge Requirements for Mr. Angelo Forte, Anza Pines Mobile Home Park, Near Cahuilla, Riverside County (Tentative Order No. R9-2020-0185). <i>(Komeylyan)</i>	Waste Discharge Requirement Rescission	0%	TBD	Yes
Rescission of Order No. 99-04, Waste Discharge Requirements for the Zoological Society of San Diego, San Diego Wild Animal Park, San Diego County (Tentative Order No. R9-2020-0188). <i>(Bushnell)</i>	Waste Discharge Requirement Rescission	0%	TBD	Yes

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
Rescission of Order No. R9-2006-0063, Waste Discharge Requirements for the California Department of Transportation, Descanso Maintenance Station, San Diego County (Tentative Order No. R9-2020-0189). <i>(Bushnell)</i>	Waste Discharge Requirement Rescission	0%	TBD	Yes
San Diego Water Board Practical Vision Update. <i>(Gibson)</i>	Resolution	25%		

Agenda Items Requested by Board Members**March 5, 2020**

Requested Agenda Item	Board Member	Status
Informational item regarding progress at Lake San Marcos and an Executive Officer's Report prior to the meeting.	Abarbanel	In Progress
Reschedule statutorily required stakeholder meeting with USEPA regarding border water quality issues, which was cancelled in March 2020	Abarbanel	Meeting was convened on June 2, 2020
Informational item regarding the University of California San Diego (UCSD) Climate Action Plan.	Strawn	August 2020

May 13, 2020

Requested Agenda Item	Board Member	Status
Meeting with Commercial Agricultural Program staff to discuss available resources to assist the agricultural community in complying with regulatory requirements	Anderson	Complete
Send an appointment request to all Board members for the tentatively scheduled June 2, 2020 USEPA Public Stakeholder meeting regarding the use of funds appropriated for water quality projects in the Tijuana River Valley.	Abarbanel	Completed 5/13/2020

June 10, 2020

Requested Agenda Item	Board Member	Status
Request to attend the next joint agency meeting regarding the decommissioning of the San Onofre Nuclear Generating Station (SONGS), and a briefing on whether having the United States Nuclear Regulatory Commission and the California Department of Toxic Substance Control serve as the lead agencies for the SONGS project is appropriate.	Warren	Fall 2020
San Diego State University (SDSU) to present the findings of its preliminary homeless encampment bacteria report.	Strawn	September 2020

Requested Agenda Item	Board Member	Status
Orange County Water District to present its PFAS Pilot Program to the Board, and a representative from OEHHA to discuss the PFAS subjects at a future Board Meeting.	Abarbanel, Olson	September-October 2020

Enforcement Actions for April through June 2020**NPDES WASTEWATER**

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
5/19/2020	Administrative Civil Liability (ACL) Order No. R9-2020-0013	South Orange County Wastewater Authority (SOCWA) – Aliso Creek Ocean Outfall, Dan Point	Settlement agreement for Mandatory Minimum Penalties (MMPs) totaling \$6,000 for two serious effluent violations	National Pollutant Discharge Elimination System (NPDES) Order No. R9-2012-0013
5/19/2020	ACL Order No. R9-2020-0014	SOCWA – San Juan Creek Ocean Outfall, San Juan Capistrano	Settlement agreement for MMPs totaling \$27,000 for nine serious effluent violations	NPDES Order No. R9-2012-0012
6/22/2020	ACL Order No. R9-2020-0109	City of Solana Beach, Groundwater Extraction of Solana Beach Pump Station, Cardiff	Settlement agreement for MMPs totaling \$9,000 for three serious effluent violations	NPDES General Order No. R9-2015-0013
4/16/2020	Notice of Violation (NOV) No. R9-2020-0123 and Investigative Order No. R9-2020-0124	Southern California Edison – San Clemente, San Onofre Nuclear Generating Station (SONGS) Unit 2 & 3 Combined, San Clemente	Unauthorized discharge of partially treated domestic wastewater to the Pacific Ocean	NPDES Order No. R9-2015-0073
6/26/2020	NOV No. R9-2020-0168 and Investigative Order No. R9-2020-0169	CAPEXCO, Groundwater Extraction at 13247 Poway Road, Poway	Unauthorized discharge of turbid dewatering waste to Rattlesnake Creek	NPDES General Order No. R9-2015-0013

WASTE DISCHARGE REQUIREMENTS

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
5/8/2020	ACL Order No. R9-2020-0009	Vallecitos Water District, Meadowlark Collection System (CS), San Marcos	Settlement agreement totaling \$66,335 for February 2017 Sanitary Sewer Overflow	Waste Discharge Requirements (WDR) General Order Nos. 2006-0003-DWQ and R9-2007-0005

Enforcement Actions for April through June 2020

Enforcement Date	Enforcement Action	Entity/ Facility/Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
5/1/2020	Notice of Violation No. R9-2020-0105 and Investigative Order No. R9-2020-0106	Olivenhain Municipal Water District, 4S Ranch Wastewater Treatment Plant, San Diego	Unauthorized discharge	WDR Order No. R9-2003-0007
6/26/2020	NOV No. R9-2020-0170 and Investigative Order No. R9-2020-0171	San Diego County Dept. of Public Works, County of San Diego CS, San Diego	Unauthorized discharge	WDR General Order Nos. 2006-0003-DWQ and R9-2007-0005
4/22/2020	Staff Enforcement Letter	Van Tol Tom, T.D. Dairy, Ramona	Failure to implement Best Management Practices and deficient reporting	WDR General Order No. R9-2008-0130

Table 1: April 2020 – Summary of Public and Federal Sanitary Sewer Overflow Events

Responsible Collection System Agency	Total Volume (Gallons)¹	Total Recovered (Gallons)²	Total Reaching Surface Waters (Gallons)³	Total Reaching Separate Storm Drain and Recovered (Gallons)⁴	Total Discharged to Land (Gallons)⁵	Surface Water Body Affected⁶	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area⁷
Carlsbad Municipal Water District	94,400	33,200	61,200	33,200	0	Encinitas Creek	3.9	282.0	69,825
Carlsbad Municipal Water District	30	30	0	0	30	Not Applicable	3.9	282.0	69,825
City of Chula Vista	100	0	0	0	100	Not Applicable	3.4	503	265,070
City of Encinitas	700	0	700	0	0	Not Reported	4.5	124	36,200

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

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

³ 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.

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

⁵ Total Discharged to Land = total amount reaching land.

⁶ 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.”

⁷ As reported in the Collection System Questionnaire required under Order No. 2006-0003-DWQ.

Responsible Collection System Agency	Total Volume (Gallons) ¹	Total Recovered (Gallons) ²	Total Reaching Surface Waters (Gallons) ³	Total Reaching Separate Storm Drain and Recovered (Gallons) ⁴	Total Discharged to Land (Gallons) ⁵	Surface Water Body Affected ⁶	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area ⁷
City of Encinitas	2,240	0	2,240	0	0	Escondido Creek	4.5	124	36,200
City of Escondido	21,900	0	21,900	0	0	Escondido Creek	8.5	344	148,000
City of La Mesa	120	120	0	0	120	Not Applicable	0	155	58,244
City of National City	300	300	0	0	300	Not Applicable	1.0	105	58,967
City of Oceanside	38,250	0	38,250	0	0	Loma Alta Creek	37.7	445.6	175,464
City of Oceanside	1,210,000	0	1,210,000	0	0	Buena Vista Creek	37.7	445.6	175,464
City of San Clemente	420	420	420	0	0	Not Reported	3.7	177.6	64,014
City of San Diego	28	28	0	0	28	Not Applicable	141.3	3,034.9	2,500,000
City of San Diego	232	232	0	0	232	Not Applicable	141.3	3,034.9	2,500,000
City of San Diego	870	0	0	0	870	Not Applicable	141.3	3,034.9	2,500,000
City of San Diego	11,230,000	0	11,230,000	0	0	Sweetwater River and San Diego Bay	141.3	3,034.9	2,500,000

Responsible Collection System Agency	Total Volume (Gallons)¹	Total Recovered (Gallons)²	Total Reaching Surface Waters (Gallons)³	Total Reaching Separate Storm Drain and Recovered (Gallons)⁴	Total Discharged to Land (Gallons)⁵	Surface Water Body Affected⁶	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area⁷
City of San Diego	540	210	0	0	540	Not Applicable	141.3	3,034.9	2,500,000
City of San Diego	270	270	0	0	270	Not Applicable	141.3	3,034.9	2,500,000
City of San Diego	175	100	0	0	175	Not Applicable	141.3	3,034.9	2,500,000
City of San Diego	12,600	2,600	10,000	2,600	0	Los Penasquitos Lagoon	141.3	3,034.9	2,500,000
City of San Diego	30,615	29,120	0	0	30,615	Not Applicable	141.3	3,034.9	2,500,000
City of San Diego	28,500	18,650	9,850	18,650	0	San Diego Bay	141.3	3,034.9	2,500,000
Rainbow Municipal Water District	2,300	0	2,300	0	0	San Luis Rey River	3.0	73.0	12,489
Rainbow Municipal Water District	425	0	0	0	425	Not Applicable	3.0	73.0	12,489
Rainbow Municipal Water District	2,500	0	2,500	0	0	San Luis Rey River	3.0	73.0	12,489
Rancho Santa Fe Community Services District	600	600	0	0	600	Not Applicable	6.0	62.0	3,550
San Diego County Department of Public Works	17,120	0	17,120	0	0	Sweetwater River	5.5	422.0	154,716

Responsible Collection System Agency	Total Volume (Gallons)¹	Total Recovered (Gallons)²	Total Reaching Surface Waters (Gallons)³	Total Reaching Separate Storm Drain and Recovered (Gallons)⁴	Total Discharged to Land (Gallons)⁵	Surface Water Body Affected⁶	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area⁷
San Diego County Department of Public Works	38,924	0	38,924	0	0	Sweetwater River	5.5	422.0	154,716
University of California, San Diego	80	60	0	0	80	Not Applicable	0.5	26.5	58,000
Vallecitos Water District	50,100	0	0	0	50,100	Not Applicable	7.8	261.6	105,791
Vallecitos Water District	16,419	0	16,419	0	0	Lake San Marcos	7.8	261.6	105,791
United States Marine Corps Base Camp Pendleton	30	20	0	0	30	Not Applicable	39.2	125.0	80,509
United States Marine Corps Base Camp Pendleton	50	0	0	0	50	Not Applicable	39.2	125.0	80,509

Table 2: May 2020 – Summary of Public and Federal Sanitary Sewer Overflow Events

Responsible Collection System Agency	Total Volume (Gallons)¹	Total Recovered (Gallons)²	Total Reaching Surface Waters (Gallons)³	Total Reaching Separate Storm Drain and Recovered (Gallons)⁴	Total Discharged to Land (Gallons)⁵	Surface Water Body Affected⁶	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area⁷
City of National City	900	900	0	0	900	Not Applicable	1.0	105	58,967
City of Poway	94	94	0	48	46	Not Applicable	3.5	185	45,800
City of San Diego	66	0	0	0	66	Not Applicable	141.3	3,034.90	2,500,000
City of San Diego	113	113	0	0	113	Not Applicable	141.3	3,034.90	2,500,000

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

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

³ 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.

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

⁵ Total Discharged to Land = total amount reaching land.

⁶ 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.”

⁷ As reported in the Collection System Questionnaire required under Order No. 2006-0003-DWQ.

Responsible Collection System Agency	Total Volume (Gallons)¹	Total Recovered (Gallons)²	Total Reaching Surface Waters (Gallons)³	Total Reaching Separate Storm Drain and Recovered (Gallons)⁴	Total Discharged to Land (Gallons)⁵	Surface Water Body Affected⁶	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area⁷
University of California, San Diego	70	60	0	0	70	Not Applicable	0.5	26.5	58,000
United States Marine Corps Base Camp Pendleton	50	30	0	0	50	Not Applicable	39.2	125.0	80,509

Table 3: April 2020 – Summary of Private Lateral Sewage Discharge Events

Responsible Collection System Agency	Total Volume (Gallons)¹	Total Recovered (Gallons)²	Total Reaching Surface Waters (Gallons)³	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)⁴	Surface Water Body Affected⁵	Population in Service Area⁶	Number of Lateral Connections
City of San Diego	153	153	0	153	Not Applicable	2,500,000	264,998
City of San Diego	44	44	0	44	Not Applicable	2,500,000	264,998
Fallbrook Public Utility District	100	100	0	100	Not Applicable	23,000	4,692
Leucadia Wastewater District	33	25	8	25	Not Reported	62,607	20,674
Leucadia Wastewater District	500	400	100	400	Not Reported	62,607	20,674
South Coast Water District	5	5	0	5	Not Applicable	14,762	42,000

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

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

³ 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.

⁴ 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.

⁵ 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.”

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

Table 4: May 2020 – Summary of Private Lateral Sewage Discharge Events

Responsible Collection System Agency	Total Volume (Gallons)¹	Total Recovered (Gallons)²	Total Reaching Surface Waters (Gallons)³	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)⁴	Surface Water Body Affected⁵	Population in Service Area⁶	Number of Lateral Connections
City of Chula Vista	80	0	0	80	Not Applicable	265,070	49,532
City of Imperial Beach	10	10	0	10	Not Applicable	26,337	10,909
City of San Diego	47	47	0	47	Not Applicable	2,500,000	264,998
City of San Diego	45	45	0	45	Not Applicable	2,500,000	264,998
City of San Diego	77	77	0	77	Not Applicable	2,500,000	264,998
City of San Diego	799	699	100	699	Not Reported	2,500,000	264,998
City of Vista	5	0	0	5	Not Applicable	16,803	90,000

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

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

³ 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.

⁴ 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.

⁵ 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.”

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

Responsible Collection System Agency	Total Volume (Gallons)¹	Total Recovered (Gallons)²	Total Reaching Surface Waters (Gallons)³	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)⁴	Surface Water Body Affected⁵	Population in Service Area⁶	Number of Lateral Connections
Eastern Municipal Water District	1,000	0	0	1,000	Not Applicable	253,664	55,136
Fallbrook Public Utility District	100	100	0	100	Not Applicable	23,000	4,692
Fallbrook Public Utility District	200	200	0	200	Not Applicable	23,000	4,692
Moulton Niguel Water District	4,300	500	3,800	500	Not Reported	172,068	50,638
Moulton Niguel Water District	160	20	140	20	Not Reported	172,068	50,638
Padre Dam Municipal Water District	38	38	0	38	Not Applicable	15,451	69,957

Table 5: April and May 2020 – Summary of Sewage Discharges by Source

Spill Type	Month/Year	Number of Spills	Total Volume (Gallons)¹	Total Recovered (Gallons)²	Total Reaching Surface Waters (Gallons)³	Total Reaching Separate Storm Drain & Recovered and/or Discharged to Land (Gallons)⁴
Public Spills	April 2020	30	12,800,758	85,940	12,661,823	138,935
Public Spills	May 2020	5	1,243	1,167	0	1,243
Federal Spills	April 2020	2	80	20	0	80
Federal Spills	May 2020	1	50	30	0	50
Private Spills	April 2020	6	835	727	108	727
Private Spills	May 2020	13	6,861	1,736	4,040	2,821
All Spills	April 2020	38	12,801,673	86,687	12,661,931	139,742
All Spills	May 2020	19	8,154	2,933	4,040	4,114

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

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

³ 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.

⁴ 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.

Figure 1: Number of SSOs per Month

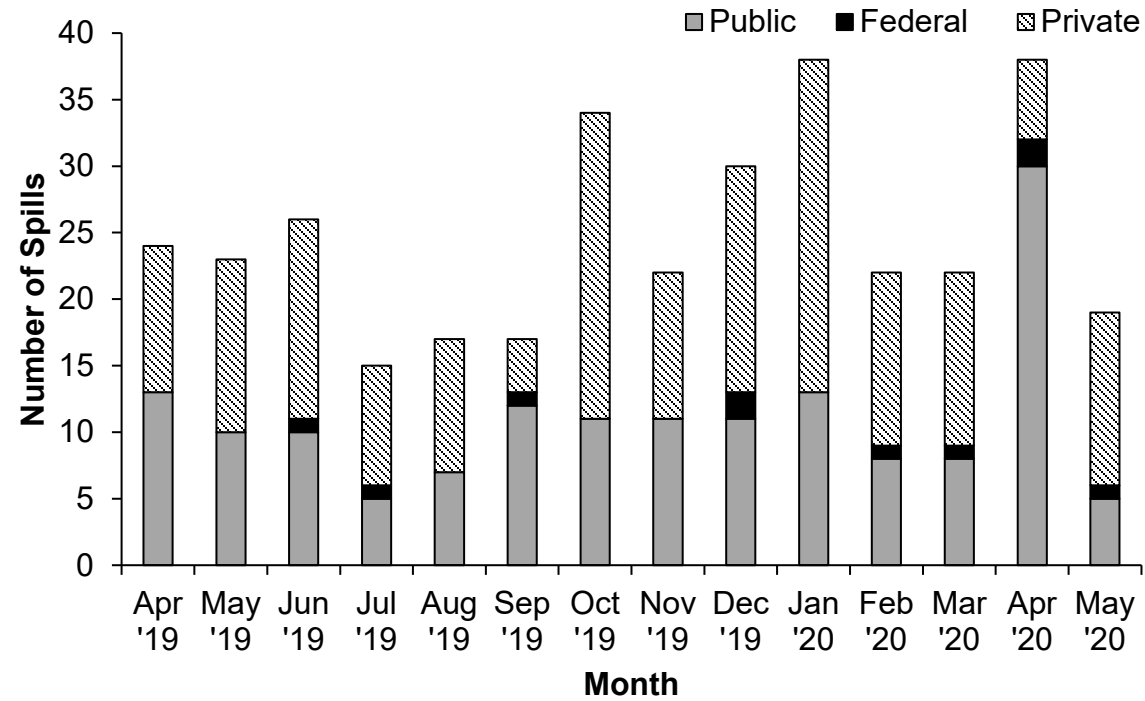


Figure 1: The number of public, federal, and private sanitary sewer overflows (SSOs) per month from April 2019 to May 2020.

Figure 2: Volume of SSOs per Month

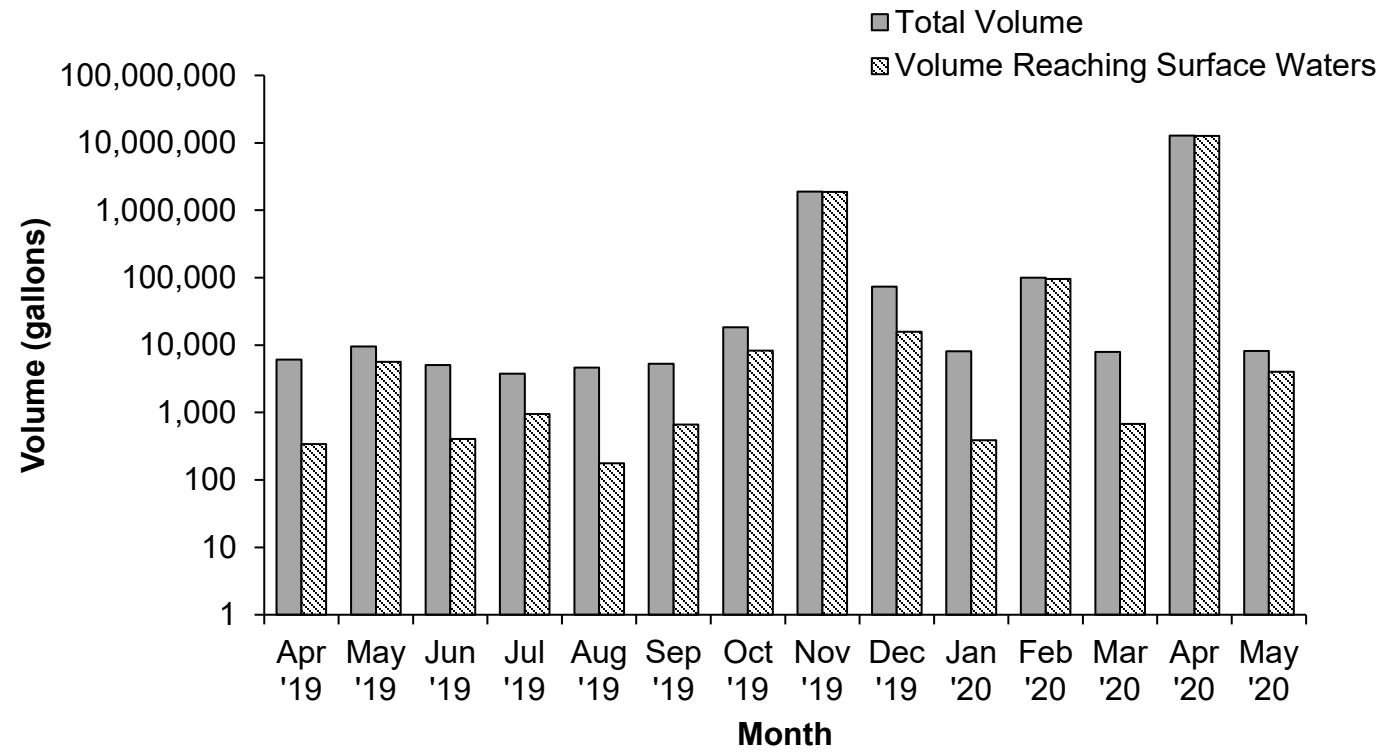


Figure 2: The volume of public, federal, and private sanitary sewer overflows (SSOs) per month from April 2019 to May 2020. Note the logarithmic scale on the vertical axis showing the wide variation in SSO volumes.

Table 6: April and May 2020 – Summary of Transboundary Flows from Mexico by Event¹

Location	Date(s) of Transboundary Flow	Weather Condition ²	Total Volume (Gallons)	Total Recovered (Gallons)	Total Reaching Surface Waters (Gallons)	Additional Details
Tijuana River	3/30/20 to 4/6/20	Dry	544,751,000	0	544,751,000	Pump Station CILA was deactivated on March 1, 2020 and reactivated on May 12, 2020. With Pump Station CILA deactivated, flows in the Tijuana River bypassed the river diversion structure and crossed the U.S./ Mexico border. USIBWC reported that the cause of the transboundary flow was due to rainfall in the Tijuana Basin. However, flows in the Tijuana River typically contain a mixture of urban runoff, storm water, and treated and untreated wastewater.
Tijuana River	4/7/20 to 4/15/20	Wet	Not Reported	Not Reported	Not Reported	Pump Station CILA was deactivated on March 1, 2020 and reactivated on May 12, 2020. With Pump Station CILA deactivated, it can be assumed that wet weather flows in the Tijuana River bypassed the river diversion structure and crossed the U.S./ Mexico border.

¹ Transboundary flow volumes are obtained from self-monitoring reports submitted by USIBWC under Order No. R9-2014-0009.

² 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 Transboundary Flow	Weather Condition ²	Total Volume (Gallons)	Total Recovered (Gallons)	Total Reaching Surface Waters (Gallons)	Additional Details
Tijuana River	4/16/20 to 5/12/20	Dry	1,666,210,000	0	1,666,210,000	Pump Station CILA was deactivated on March 1, 2020 and reactivated on May 12, 2020. With Pump Station CILA deactivated, flows in the Tijuana River bypassed the river diversion structure and crossed the U.S./ Mexico border. USIBWC reported that the cause of the transboundary flow was due to rainfall in the Tijuana Basin. However, flows in the Tijuana River typically contain a mixture of urban runoff, storm water, and treated and untreated wastewater.
Canyon del Sol	5/3/20	Dry	33,600	0	33,600	A sudden surge of water from Mexico overwhelmed the canon collector.
Tijuana River	5/14/20 to 5/15/20	Dry	8,846,000	0	8,846,000	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	5/15/20 to 5/16/20	Dry	8,272,000	0	8,272,000	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	5/16/20 to 5/18/20	Dry	22,565,000	0	22,565,000	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.

Location	Date(s) of Transboundary Flow	Weather Condition ²	Total Volume (Gallons)	Total Recovered (Gallons)	Total Reaching Surface Waters (Gallons)	Additional Details
Tijuana River	5/18/20 to 5/21/20	Dry	36,325,000	0	36,325,000	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	5/21/20 to 5/22/20	Dry	8,276,000	0	8,276,000	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	5/22/20 to 5/31/20	Dry	154,369,000	0	154,369,000	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.

Table 7: April and May 2020 - Summary of Transboundary Flows from Mexico by Weather Condition

Weather Condition¹	Month/Year	Total Volume (Gallons)	Total Recovered (Gallons)	Total Reaching Surface Waters (Gallons)
Dry Weather	April and May 2020	2,449,647,600 ²	0	2,449,647,600
Wet Weather	April and May 2020	Not Reported	Not Reported	Not Reported

¹ Order No. R9-2014-0009 requires monthly reporting of all dry weather transboundary flows. Wet weather transboundary flows are not required to be reported. All wet weather transboundary flow information is provided voluntarily.

² The volumes reported for April and May 2020 include transboundary flows that occurred from March 30, 2020 through May 31, 2020.