

California Regional Water Quality Control Board

San Diego Region

David Gibson, Executive Officer



Executive Officer’s Report

June 12, 2019

Table of Contents

Part A – San Diego Region Staff Activities.....2

1. Personnel Report2

Part B – Significant Regional Water Quality Issues.....2

1. Encina Wastewater Authority’s Recycling Programs2

2. Enforcement Actions for April 2019 (*Attachment B-2*)4

3. Sanitary Sewer Overflows and Transboundary Flows from Mexico in the San Diego Region – March 2019 (*Attachment B-3*)4

The June 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: 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

Recent Hires

Benjamin Carlson began working on May 14, 2019 as a Graduate Student Assistant in the Monitoring, Assessment, and Research Unit. Mr. Carlson is working on a graduate degree in Public Health from San Diego State University.

Federick Pinongcos will begin work on June 17, 2019 as a Graduate Student Assistant in the Source Control Regulation Unit. Mr. Pinongcos is working on a graduate degree in Environmental Engineering from San Diego State University.

Rotation

Hiram Sarabia was selected to fill the Environmental Scientist vacancy in the Monitoring, Assessment, and Research Unit. Mr. Sarabia had been part of the Restoration and Protection Planning Unit since starting with the Water Board in 2015.

Recruitment

Interviews have been conducted to fill the following positions: (1) Staff Services Manager I position (Administrative Officer) in the Mission Support Services Unit; (2) Student Assistant for the Storm Water Management Unit.

Part B – Significant Regional Water Quality Issues

1. Encina Wastewater Authority's Recycling Programs

Staff Contact: Joann Lim

This informational report was requested by San Diego Water Board Members Stefanie Warren and Gary Strawn as a follow-up to the Board's reissuance of the NPDES permit for the Encina Water Pollution Control Facility and other satellite wastewater treatment plants discharge to the Pacific Ocean through the Encina Ocean Outfall ([Order No. R9-2018-0059, NPDES No. CA0107395](#)). The request and purpose of the report is to inform and update the public and the Board on the status of Encina Wastewater Authority (EWA) recycling programs. EWA staff will present summary remarks on this topic during the Executive Officer's report.

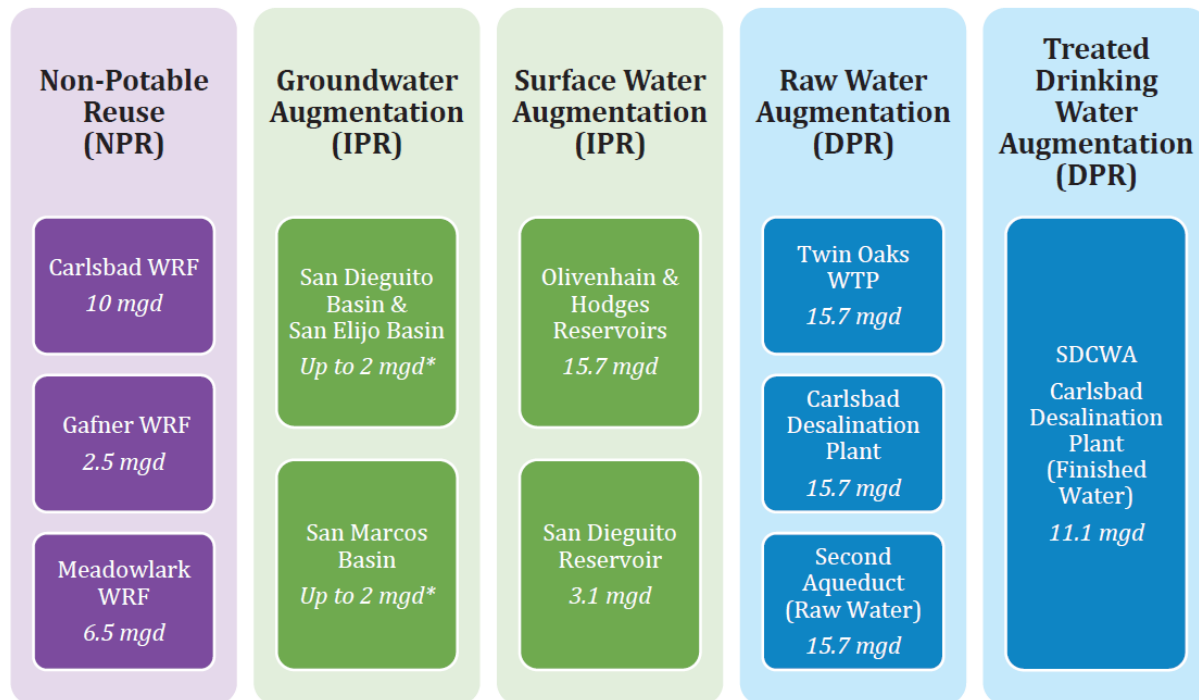
The Encina Wastewater Authority (EWA) is a public joint powers authority owned by the following member agencies: City of Carlsbad, City of Vista, City of Encinitas, Buena Sanitation District (a subsidiary of City of Vista), Vallecitos Water District, and Leucadia Wastewater District. The EWA is the owner and operator of the Encina Ocean Outfall (EOO) and the Encina Water Pollution Control Facility (EWPCF), a secondary wastewater treatment plant. The Carlsbad Municipal Water District, a subsidiary of the City of Carlsbad, independently owns the Carlsbad Water Reclamation Facility (CWRP), which is operated by the EWA and further treats the secondary-treated wastewater from the EWPCF to tertiary standards for reuse. The Leucadia

Wastewater District independently owns and operates the Gafner Water Reclamation Plant (GWRP), which also further treats the secondary-treated wastewater from the EWPCF to tertiary standards for reuse. The Vallecitos Water District independently owns and operates the Meadowlark Water Reclamation Plant (MWRP), a tertiary wastewater treatment plant, and the MWRP land outfall structure, prior to connection with the EOO. These facilities provide wastewater treatment to a population of approximately 411,000 residents within the boundaries of the EWA member agencies.

The EWA has programs aimed at reducing its carbon footprint by recycling 1) solid wastes from food establishments/breweries, 2) biosolids, and 3) wastewater. The EWA recycles solid wastes through its Alternative Fuel Receiving Facility. This facility at the EWPCF receives Fats, Oil and Grease (FOG) generated from grease traps at food establishments and brewery waste from local breweries. Each week, the EWPCF receives about 65,000 gallons of FOG and 80,000 gallons of brewery waste. This material is pumped to EWPCF's anaerobic digesters where it generates additional biogas, which is used in the cogeneration facility to produce electricity or provide fuel to the heat dryer. The EWA provides over 80% of its own electricity.

Another EWA recycling program is implemented through biosolids management at the EWPCF, which has resulted in a nearly 100% biosolids beneficial use in the past five years. The EWA produces heat-dried Class A product, called "Pure Green" fertilizer, from the biosolids produced at the EWPCF. The "Pure Green" fertilizer is sold to several different markets which include fertilizer distributors, soil blenders, and specialty agriculture. Sample bags of the "Pure Green" fertilizer are also available to the public. The EWA has also partnered with a local high school program, Future Farmers of America, donating about 300 tons of the "Pure Green" fertilizer to grow oat hay for animal feed. These practices have reduced the "carbon footprint" associated with biosolids management by reducing hauling distance and provide a source of revenue to offset its operational costs. In fiscal year 2018, the EWA generated approximately \$35,000 from the sale of its "Pure Green" fertilizer. In calendar year 2018, 5,172 metric dry tons (mdt) of Class A and 518 mdt of Class B were delivered to Yuma for land application, and 560 mdt was distributed as fertilizer. Since the repeal of Measure X in Imperial County, which had banned the importation of biosolids into Imperial County, the EWA has recently delivered 650 mdt of "Pure Green" fertilizer to that area, cutting hauling distance and cost.

The third program is recycled water. The EWA and its member agencies treat wastewater to tertiary standards for irrigation reuse and are identifying ways to expand this program. In 2018, the CWRF sent approximately 2,171 acre-feet of recycled water to reuse sites (32% of Carlsbad's influent flows), the GWRP sent approximately 291 acre-feet of recycled water to reuse sites (7% of Leucadia's influent flows) and MWRP sent approximately 2,646 acre-feet of recycled water to reuse sites (37% of Vallecito's influent flows). The EWA and its member agencies are looking into expanding the recycled water program by increasing the capacity at the CWRF, GWRP, and/or MWRP; evaluating the possibility of groundwater and/or surface water augmentation (indirect potable reuse, IPR); and/or evaluating the possibility of raw water and/or treated drinking water augmentation (direct potable reuse, DPR). Below is a summary of the reuse opportunities using EWPCF effluent and potential flows associated with the reuse.



Note: Flows denoted with an asterisk (*) require further evaluation (beyond the scope of this Study) to confirm reuse flows.

2. Enforcement Actions for April 2019 (Attachment B-2)

Staff Contact: Chiara Clemente

During the month of April 2019, the San Diego Water Board issued 1 Administrative Civil Liability Settlement Order, 2 Notices of Violation, and 32 Staff Enforcement Letters. A summary of each enforcement action taken is provided in the table below. The State Water Board's [Enforcement Policy](#) contains a brief description of the kinds of enforcement actions the Water Boards can take.

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

State Water Board Office of Enforcement webpage:

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

California Integrated Water Quality System (CIWQS):

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

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

3. Sanitary Sewer Overflows and Transboundary Flows from Mexico in the San Diego Region – March 2019 (Attachment B-3)

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](#)¹, the [San Diego Regional General SSO Order](#)², and/or individual National Pollutant Discharge Elimination System (NPDES) permit requirements. Some federal entities³ report this information voluntarily. Most SSO reports are available to the public on a real-time basis at the following State Water Board webpage:

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

Details on the reported SSOs are provided in the following attached tables (Attachment B-3):

- Table 1: March 2019 - Summary of Public and Federal Sanitary Sewer Overflows in the San Diego Region
- Table 2: March 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-3):

- 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 March 2018 to March 2019. During this period, 36 of the 63 collection systems in the San Diego Region regulated under the Statewide SSO Program reported one or more sewage spills. Twenty-seven collection systems did not report any sewage spills. A total of 341 sewage spills were reported and 174,299 gallons of sewage reached surface waters.

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

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

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

Additional information about the San Diego Water Board sewage overflow regulatory program is available at http://www.waterboards.ca.gov/sandiego/water_issues/programs/sso/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 table (Attachment B-3):

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

The March 2019 transboundary flows reported in Table 3 are based on unofficial spill notifications rather than official spill reports. USIBWC failed to submit official spill reports for transboundary flows occurring in March 2019 but plans to do so. The San Diego Water Board will note in a future EOR when the USIBWC submits the official spill reports for March 2019 and if the official spill reports provide different information.

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

⁴ The Mexican section of the IBWC.

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.

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

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

June 12, 2019

APPENDED TO EXECUTIVE OFFICER'S REPORT

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

Action Agenda Item	Action Type	Draft Complete	Written Comments Due	Consent Item
July 2019 <i>No Meeting Scheduled</i>				
August 14, 2019 <i>San Diego Water Board</i>				
Update on the Healthy Waters Strategy for San Diego Bay (<i>Chiu</i>)	Informational Item	0%	NA	No
September 11, 2019 <i>San Diego Water Board</i>				
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
Modern Monitoring Status Update (<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</i>)	NPDES Permit Reissuance	85%	TBD	Maybe

Agenda Items Requested by Board Members

Requested Agenda Item	Board Member	Status
June 24, 2015		
Gary Strawn would like more information on how to address low dissolved oxygen conditions in the San Diego River. Informational item about how the Board deals with high levels of naturally occurring elements in groundwater when they interact with other uses.	Strawn	
	Olson	
August 12, 2015		
Informational item on the data that supports the Basin Plan WQOs.	Olson	
December 16, 2015		
Workshop on the status of restoration and land acquisition efforts along the San Diego River.	Strawn	
August 10, 2016		
Informational item before the Board on the SCCWRP Flow Recovery Project once their report is available.	Strawn	
March 15, 2017		
Information item regarding impacts of population dynamics on water quality	Olson	
Clarify operation of value for beneficial uses.	Abarbanel	
June 21, 2017		
San Diego Water Board to partner with the San Diego Unified Port District in planning and conducting additional and more focused outreach meetings with stakeholder groups on San Diego Bay water quality issues and environmental justice issues.	Abarbanel	
San Diego Water Board provide for San Diego Unified Port District participation in analysis of the data from the San Diego Bay Fish Consumption Study.	Abarbanel	
San Diego Unified Port District report back to San Diego Water Board on the steps the Port District is taking in their decision-making on San Diego Bay projects to ensure “long-term net gain in the quantity, quality, and permanence of wetlands acreage and values...”	Abarbanel	
San Diego Water Board support and encourage San Diego Unified Port District participation in the Southern California Coastal Water Research Project (SCCWRP) so that the Port District can be a recipient of the water quality science research conducted by SCCWRP.	Abarbanel	

Agenda Items Requested by Board Members

Requested Agenda Item	Board Member	Status
September 13, 2017		
A future board meeting will include an agenda item on how best to amend the WDRs.	Abarbanel	
December 13, 2017		
Gary Strawn wants an Informational Item on the low dissolved oxygen issues in the San Diego River. In particular, he wants to know more about the aerators added to the river. He would like the San Diego River Park Foundation and the San Diego River Conservancy to attend and possibly present information	Strawn	
February 14, 2018		
4.Board Member Warren requested an update on the San Onofre Nuclear Generating Station. In addition to an update on activities related to Board authorities, Ms. Warren would also like to know about the status of the radioactive waste piles.	Warrn	
April 11, 2018		
Board Member Olson directs staff to identify and review current proposed legislation related to homeless populations and related issues	Olson	
Board Member Warren commented that she would like to know more than provided in the April Executive Officer’s Report (EOR), about the storage of radioactive materials at the San Onofre Nuclear Generating Station. Board Member Abarbanel added his desire to know about how SONGS has prepared for impacts of climate change, particularly from sea level rise.	Warren, Abarbanel	
Board Member Abarbanel suggested the formation of a “Volunteer Climate Science Advisory Panel” to inform board staff of the latest climate science. Dr. Abarbanel suggested the panel consist of members from the Scripps Institution of Oceanography, the Southern California Coastal Water Research Project, San Diego State University, the University of California at Irvine and possibly from the San Francisco Estuary Institute	Abarbanel	
Board Member Abarbanel wants the San Diego Water Board to do “more” for environmental justice. He wants to know if we can work with the recently formed Office of Environmental Justice at the Attorney General. He would like a report back regarding that possibility.	Abarbanel	
Board Member Warren directed that future EORs clearly explain the opportunity to comment on the proposed enforcement priorities for the coming year.	Warren	

Agenda Items Requested by Board Members

Requested Agenda Item	Board Member	Status
May 9, 2018		
<p>Board Member Abarbanel wants a letter sent to State Water Resources Control Board Executive Director Eileen Sobeck and to Board Member Joaquin Esquivel requesting a response to questions posed to Mr. Esquivel by the members of the San Diego Water Board at the April 2018 Board Meeting. The letter is to be signed by Chair Morales and Vice Chair Abarbanel.</p>	Abarbanel	
<p>Board Member Abarbanel directs Executive Officer Gibson to reach out to the Mayor of Temecula about possible attendance at the October Water Quality Coordinating Committee meeting in Sacramento.</p>	Abarbanel	
<p>Board Member Olson wants know statistics regarding homeless in the San Diego Region. The list will include health impacts and associated illnesses, along with the number of camps, campers and the amount of trash.</p>	Olson	
<p>Board Member Olson wants to know what portion of channels in Southern Orange County have already been adopted.</p>	Olson	
<p>Board Member Abarbanel wants to send a response to CalEPA’s comment letter asking for the establishment of a climate change panel in each Region, and asking to create a hiring classification for climate scientists, to be equal to geologists, engineers, and other scientists.</p>	Abarbanel	
June 20, 2018		
<p>Board Member Olson invites fellow Board Members to visit an Indirect Potable Reuse site in the Riverside Water Board portion of Orange County.</p>	Olson	
<p>The Board Chair and Vice-Chair want staff to incorporate education of the public on the need to protect water quality into Board actions whenever practicable.</p>	Morales, Abarbanel	

Agenda Items Requested by Board Members

Requested Agenda Item	Board Member	Status
<p>Several Board Members had questions that were not answered at the Board Meeting. Southern California Edison will be invited back for another meeting in the next 3-12 months to address the following questions: Update on the decommissioning process, including status of the spent nuclear fuel; Explanation on calculation of shut down costs. Particularly, did estimates include inflation? How many curies are stored on site relative to the amount at Chernobyl and Fukushima? How much was released from those two sites? What is the status of the area around those accidents out to 20 kilometers? Board Member Abarbanel wants to meet with Southern California Edison to discuss development of a new strategy to compel a federal solution to the storage of spent nuclear fuel.</p>		
	August 8, 2018	
<p>Board Member Abarbanel wants to hear back from Southern California Edison (SCE) about the San Onofre Nuclear Generating Station (SONGS) sooner than the 3-12 month window presented in the August agenda package.</p>	Abarbanel	
<p>Chair Morales wants to inform San Diego Water Board stakeholders about the upcoming hearings pertaining to desalination plant planned for Huntington Beach.</p>	Morales	
<p>Board Member Abarbanel wants to know if the Southern California Coastal Research Project (SCCWRP) could assist with the dilemma posed by measuring indicator bacteria to evaluate the protection of human health from recreational activities where the ingestion of water is likely.</p>	Abarbanel	
	September 12, 2018	
<p>Board Member Warren wants to know the status of the posting of updated fish consumption advisories within the next 6 to 12 months.</p>	Warren	
<p>Chair Morales wants information on the costs of the City of San Diego's plume tracking efforts.</p>	Morales	
<p>Board Member Olson wants to review the Cities strategy for the removal of Arundo donax.</p>	Olson	
<p>Board Member Strawn requests an informational item on Encina's sludge drying operation.</p>	Strawn	
<p>Board Member Warren wants an update on efforts to expand the use of recycled water by the Encina Wastewater Authority.</p>	Warren	

Agenda Items Requested by Board Members

Requested Agenda Item	Board Member	Status
October 12, 2018		
Board Members Abarbanel and Olson want to know more about the data behind the City’s presentation. They want to meet with Dr. Tim Stebbins of the City, along with Drs. Falk Feddersen and Sarah Giddings from the Scripps Institution of Oceanography.	Abarbanel, Olson	
December 12, 2018		
Board Member Abarbanel wants the Executive Officer to follow up on concerns expressed in Public Forum about the impending work load associated with review of project proposals to install new on-site waste treatment systems that will discharge more than 1200 gallons per day over the Temecula groundwater basin.	Abarbanel	
Board Members Olson and Warren want to visit the San Onofre Nuclear Generating Station (SONGS).	Olson, Warren	
Several Board Members requested another information item regarding the San Onofre Nuclear Generating Station (SONGS), with a particular interest in the storage of spent nuclear fuel. They expressed a desire to have a public meeting that included federal elected officials, the State Lands Commission, the California Coastal Commission, Southern California Edison and the Nuclear Regulatory Commission.		
Dr. Olson wants to meet with the small water suppliers that service environmental justice and disadvantaged communities in the San Diego Region	Olson	
Dr. Olson wants an update on regional efforts to eradicate Arundo donax. She will provide a list of contacts to invite to the informational item.	Olson	
Vice Chair Abarbanel requests an update on detection methods for fecal indicator bacteria and other measures for the protection of human health.	Abarbanel	
Vice Chair Abarbanel requests an informational item on atmospheric rivers. He suggests combining the item with the SCCRWP update on pathogen monitoring and to also include scientists from the Scripps Institution of Oceanography.	Abarbanel	
February 13, 2019		
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	

Agenda Items Requested by Board Members

Requested Agenda Item	Board Member	Status
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 Region 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		
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		
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 to October 2019
Routine and regular updates on intake construction, impact studies, and mitigation efforts related to the Carlsbad Desalination Plant permit.	Olson	

Enforcement Actions for April 2019

Enforcement Date	Enforcement Action	Entity/ Facility/ Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
NPDES WASTEWATER				
4/25/2019	Staff Enforcement Letter	BAE Systems San Diego Ship Repair Inc., San Diego	Unauthorized discharges and exceedance of chronic toxicity effluent limitations	National Pollutant Discharge Elimination System (NPDES) Order No. R9-2015-0034
4/26/2019	Staff Enforcement Letter	PR II /SLR Vista Apartments Owner LLC, Groundwater Extraction at 100 Main Street, Vista	Unauthorized discharge and deficient reporting	NPDES General Order No. R9-2015-0013
4/26/2019	Staff Enforcement Letter	Promenade Mall Development Corp., Groundwater Extraction at Promenade, Pacific Beach	Unauthorized discharge, deficient reporting, and deficient monitoring	NPDES General Order No. R9-2015-0013
4/26/2019	Staff Enforcement Letter	US Navy Southwest Division, US Naval Base Coronado	Deficient monitoring, deficient reporting, unauthorized discharge	NPDES Order Nos. R9-2015-0117, R9-2015-0118
4/30/2019	Staff Enforcement Letter	Mission Valley, SFFF, LP, operating partner of Kinder Morgan Energy Partners, L.P., Groundwater Extraction at Mission Valley Terminals	Deficient monitoring and effluent violations	NPDES General Order No. R9-2015-0013
4/30/2019	Staff Enforcement Letter	Padre Dam Municipal Water District, Ray Stoyer Water Recycling Facility	Deficient monitoring	NPDES Order No. R9-2015-0002
4/30/2019	Staff Enforcement Letter	South Orange County Wastewater Authority, Aliso Creek Ocean Outfall	Deficient monitoring and effluent violations	NPDES Order No. R9-2012-0013

Enforcement Actions for April 2019

Enforcement Date	Enforcement Action	Entity/ Facility/ Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
NPDES STORMWATER				
4/2/2019	Notice of Violation No. R9-2019-0108	Gilwood Corp., San Diego Boat Movers	Deficient BMP implementation; Incomplete/Insufficient SWPPP	NPDES Industrial General Order No. 2014-0057-DWQ
4/12/2019	Staff Enforcement Letter	U.S. Army Corps of Engineers, Murrieta Creek Flood Control Project Phase IIA	Failure to obtain permit coverage	NPDES Construction General Order No. 2009-0009-DWQ
4/16/2019	Staff Enforcement Letter	HVAC Exchange, Chula Vista	Deficient BMP implementation	NPDES Industrial General Order No. 2014-0057-DWQ
4/16/2019	Staff Enforcement Letter	Tapatio Auto Wrecking Heritage Div, Tapatio Auto Recycling Heritage, Otay	Deficient BMP implementation	NPDES Industrial General Order no. 2014-0057-DWQ
4/19/2019	Staff Enforcement Letter	Lennar Homes of California Inc., Park Villas El Corazon, Oceanside	Incomplete/Insufficient SWPPP	NPDES Construction General Order No. 2009-0009-DWQ
4/22/2019	Staff Enforcement Letter	Conant Auto Retail Group, Honda Vista, Vista	Deficient BMP implementation	NPDES Construction General Order No. 2009-0009-DWQ
4/22/2019	Staff Enforcement Letter	L23 Oceanside Apartments LLC, North Beach Promenade, Oceanside	Deficient BMP implementation	NPDES Construction General Order No. 2009-0009-DWQ
4/29/2019	Staff Enforcement Letter	Menifee Union School District, Harvest Hill STEAM Academy, Menifee	Incomplete/Insufficient SWPPP	NPDES Construction General Order No. 2009-0009-DWQ
4/30/2019	Staff Enforcement Letter	Ocean Ranch Corporate Center II Lot 15 LLC, Lot 15 County Building, Oceanside	Incomplete/Insufficient SWPPP	NPDES Construction General Order No. 2009-0009-DWQ

Enforcement Actions for April 2019

Enforcement Date	Enforcement Action	Entity/ Facility/ Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
WASTE DISCHARGE REQUIREMENTS: SANITARY SEWER OVERFLOWS				
4/15/2019	Administrative Civil Liability No. R9-20180159	City of Oceanside, Collection System, La Salina Wastewater Treatment Plant, and Oceanside Ocean Outfall	Settlement of \$319,393 in administrative civil liability for a 107,500-gallon sanitary sewer overflow and multiple mandatory minimum penalties.	National Pollutant Discharge Elimination System (NPDES) Order No. R9-2015-0034 and Waste Discharge Requirements (WDR) General Order No. 2006-0003-DWQ
4/8/2019	Notice of Violation No. R9-2019-0110 and Investigative Order No. R9-2019-0111	Vallecitos Water District, Meadowlark Collection System	Unauthorized discharges of untreated sewage on February 2, 2019, and February 14, 2019.	Order No. 2006-0003-DWQ
WASTE DISCHARGE REQUIREMENTS; AGRICULTURE				
4/2/2019	Staff Enforcement Letter	Erick R. Altona, EstherLine LLC, Escondido	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
4/2/2019	Staff Enforcement Letter	Victor Gonzalez, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order no. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260
4/3/2019	Staff Enforcement Letter	Don Hart and Dustin Campbell, 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
4/17/2019	Staff Enforcement Letter	Wu, Shen, San Marcos	Failure to submit a Notice of Intent; discharging without a permit	Order no. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260
4/18/2019	Staff Enforcement Letter	Tsujino, Matasaburo, Pala	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 April 2019

Enforcement Date	Enforcement Action	Entity/ Facility/ Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
4/18/2019	Staff Enforcement Letter	Crandall, Jerry, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260
4/18/2019	Staff Enforcement Letter	Yasutake, Terry, Pauma Valley	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260
4/23/2019	Staff Enforcement Letter	Gaggero, Stephen, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260
4/23/2019	Staff Enforcement Letter	Geigert, John, Escondido	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260
4/23/2019	Staff Enforcement Letter	Silva, Lucas, Valley Center	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260
4/23/2019	Staff Enforcement Letter	Valencia, Juvenico, Escondido	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260
4/25/2019	Staff Enforcement Letter	Macias, Jose, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260
4/30/2019	Staff Enforcement Letter	Chambers, Mark, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260
4/30/2019	Staff Enforcement Letter	Fowler, Glen, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260
4/30/2019	Staff Enforcement Letter	Gupta, Maureen, Bonsall	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004; WDR for Commercial Agricultural Operations; CWC Section 13260

Enforcement Actions for April 2019

Enforcement Date	Enforcement Action	Entity/ Facility/ Location	Summary of Violations and Enforcement	Applicable Permit/Order Violated
4/30/2019	Staff Enforcement Letter	Rigopoulos, Madelyn, Fallbrook	Failure to submit a Notice of Intent; discharging without a permit	Order No. R9-2016-0004; WDR for Commercial Agricultural Operations; WDR for Commercial Operations; CWC Section 13260
4/30/2019	Staff Enforcement Letter	Thompson, Bernard, 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

Table 1: March 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
City of Encinitas	City of Encinitas CS	275	275	0	0	275	100%	0%	0%	100%	-	4.5	124.0	36,200
City of Poway	City of Poway CS	3	3	0	0	3	100%	0%	0%	100%	-	3.5	185.0	48,000
City of San Clemente	City of San Clemente CS	47	47	0	0	47	100%	0%	0%	100%	-	3.7	177.6	64,227
		5	0	0	0	5	0%	0%	0%	100%	-			
City of San Diego	City of San Diego CS	76	76	0	0	76	100%	0%	0%	100%	-	141.3	3,034.9	2,500,000
City of San Juan Capistrano	City of San Juan Capistrano CS	50	50	0	0	50	100%	0%	0%	100%	-	0.4	128.0	40,000
		300	250	50	0	250	83%	17%	0%	83%	N/A			
City of Solana Beach	City of Solana Beach CS	110,000	110,000	0	0	110,000	100%	0%	0%	100%	-	2.0	49.0	14,000
City of Vista	City of Vista CS	120	120	0	0	120	100%	0%	0%	100%	-	0.3	213.3	90,000
Eastern Municipal Water District (MWD)	Temecula Valley Regional CS	30	0	30	0	0	0%	100%	0%	0%	N/A	36.0	588.0	248,768
Fallbrook Public Utility District	Fallbrook Public Utility District CS	375	50	325	50	0	13%	87%	13%	0%	Fallbrook Creek	4.6	78.6	23,000
Otay MWD	Otay MWD CS	2,000	0	1,800	0	200	0%	90%	0%	10%	Un-named tributary upstream of Sweetwater Reservoir	2.2	82.0	15,000
Santa Margarita Water District	Santa Margarita Water District CS	75	0	75	0	0	0%	100%	0%	0%	N/A	14.0	615.0	160,000
University of California, San Diego	University of California, San Diego CS	300	0	0	0	300	0%	0%	0%	100%	-	0.5	26.0	57,000
Valley Center MWD	Lower Moosa Canyon Reclamation Facility CS	5	3	0	0	5	60%	0%	0%	100%	-	5.0	50.0	4,615
United States Marine Corps (USMC) Base, Camp Pendleton	USMC Base, Camp Pendleton CS	220	200	0	0	220	91%	0%	0%	100%	-	35.0	122.0	80,509
		5	0	0	0	5	0%	0%	0%	100%	-			
		30	0	0	0	30	0%	0%	0%	100%	-			
Totals for Public Spills		113,661	110,874	2,280	50	111,331	98%	2%	0%	98%	-	218.0	5,351.4	3,300,810
Totals for Federal Spills		255	200	0	0	255	78%	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.

Table 2: March 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	Lateral Connections
		(Gallons)					(%)			
City of Chula Vista	City of Chula Vista CS	50	50	0	50	100%	0%	100%	265,070	49,532
City of El Cajon	City of El Cajon CS	20	0	20	0	0%	100%	0%	103,894	16,950
		30	30	0	30	100%	0%	100%		
		30	30	0	30	100%	0%	100%		
		10	10	0	10	100%	0%	100%		
		2	2	0	2	100%	0%	100%		
		30	10	20	10	33%	67%	33%		
City of Encinitas	City of Encinitas CS	4,425	4,425	0	4,425	100%	0%	100%		
City of Escondido	Hale Avenue Resource Recovery Facility Disch to San Elijo Ocean Outfall CS	300	300	0	300	100%	0%	100%	148,000	48,092
City of San Diego	City of San Diego CS	192	192	0	192	100%	0%	100%	2,500,000	264,998
		783	663	120	663	85%	15%	85%		
		44	44	0	44	100%	0%	100%		
		124	124	0	124	100%	0%	100%		
		14	14	0	14	100%	0%	100%		
Leucadia Wastewater District	Leucadia Wastewater District CS	15	12	0	15	80%	0%	100%	62,607	20,672
Padre Dam Municipal Water District	Padre Dam Municipal Water District CS	29	29	0	29	100%	0%	100%	69,957	15,451
		41	41	0	41	100%	0%	100%		
South Coast Water District	South Coast Water District CS	450	450	0	450	100%	0%	100%	42,000	14,762
		5	5	0	5	100%	0%	100%		
Totals		6,594	6,431	160	6,434	98%	2%	98%	3,191,528	430,457

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.

Figure 1: Number of SSOs per Month

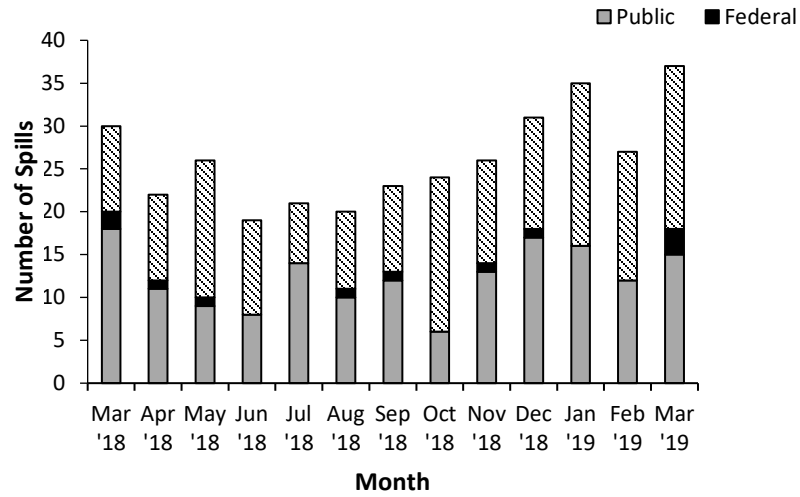


Figure 1: The number of public, federal, and private sanitary sewer overflows (SSOs) per month from March 2018 to March 2019.

Figure 2: Volume of SSOs per Month

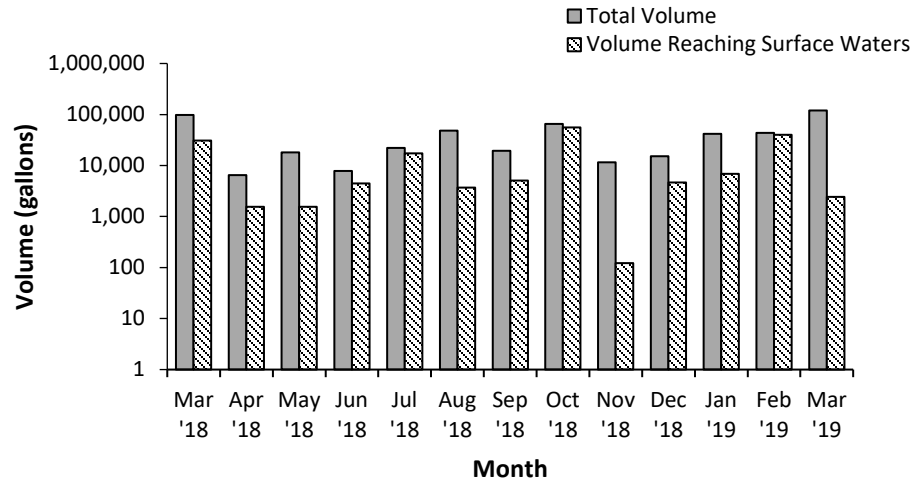


Figure 2: The volume of public, federal, and private sanitary sewer overflows (SSOs) per month from March 2018 to March 2019. Note the logarithmic scale on the vertical axis showing the wide variation in SSO volumes.

Table 3: March 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	N/A	N/A	-	-	-	-	USIBWC did not submit official spill reports for transboundary flows occurring in March 2019. However, USIBWC notified the San Diego Water Board that Pump Station CILA was reactivated during dry weather conditions on March 27, 2019. At the time Pump Station CILA was reactivated, flows in the Tijuana River were approximately 24,000 gallons per minute (GPM). Pump Station CILA was able to divert approximately 16,000 GPM of flow in the Tijuana River to a treatment plant. It can be assumed that the remaining 8,000 GPM of undiverted flow in the Tijuana River crossed the US/Mexico border. USIBWC acknowledged that this transboundary flow will require a spill report and will submit one in the near future. The San Diego Water Board will provide an update in a future Executive Officer's Report when the official spill report is received.
Total Dry Weather		N/A	-	-	-	-	-
Wet Weather ²							
Tijuana River	N/A	N/A	-	-	-	-	USIBWC did not report any wet weather transboundary flows during the month of March 2019. However, there were several storm events in March 2019 that would be classified as wet weather events. Pump Station CILA was also deactivated for an unknown amount of time during March 2019. With Pump Station CILA deactivated and several wet weather events, it can be assumed that flows in the Tijuana River crossed the US/Mexico border during this time.
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.