

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



Executive Officer's Report
September 9, 2015

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The September 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 the report.

Part A – San Diego Region Staff Activities

1. Personnel Report

Staff Contact: Lori Costa

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

Recruitment

The recruitment process has begun to fill a Water Resource Control Engineer vacancy in the Storm Water Management Unit and a Scientific Aid vacancy in the Central Cleanup Unit.

2. File Records Requests

Staff Contact: Lori Costa

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.

The San Diego Water Board receives most of these requests by email (rb9_records@waterboards.ca.gov) and some by fax. From February – July 2015, the records coordinator received 375 records requests.

Part B – Significant Regional Water Quality Issues

1. Status of Carlsbad Desalination Project

Staff Contact: Ben Neill

The [Carlsbad Desalination Project](#) (CDP), which is owned by [Poseidon Resources \(Channelside\) LLC](#), is scheduled to commence production of potable water in October 2015. Once operational, the CDP will be the nation's largest seawater desalination plant, providing up to 50 million gallons of drinking water per day to customers within the [San Diego County Water Authority's](#) service area.

The CDP is located adjacent to the Encina Power Station (owned by [NRG Energy](#)) on the southern shore of the [Agua Hedionda Lagoon](#) in Carlsbad, California. The CDP was designed to share intake and outfall systems with the Encina Power Station. The CDP relies on those shared systems to comply with the intake and effluent requirements. However, due to NRG Energy's decision to cease operations of the Encina Power Station by the end of 2017, Poseidon Resources will have to redesign the intake and outfall systems to operate as a stand-alone facility.

The CDP is currently regulated by NPDES [Order No. R9-2006-0065 \(Order\)](#). Renewal of the Order will incorporate recent amendments made to the California Ocean Plan¹ and will allow the CDP to operate as a stand-alone facility. Poseidon Resources has requested that the San Diego Water Board consider renewal of the Order no later than spring of 2016 to allow sufficient time to modify the intake and outfall systems to comply with new requirements. However, the San Diego Water Board has not yet received an application to renew the Order that addresses future stand-alone operations. Once a complete application has been received, the San Diego Water Board will proceed with drafting a tentative Order. The San Diego Water Board is working closely with Poseidon Resources, the State Water Board, the California Coastal Commission, and stakeholders to coordinate renewal efforts.

2. Enforcement Actions for July 2015 (Attachment B-2)

Staff Contact: Chiara Clemente

During the month of July, the San Diego Water Board issued 21 written enforcement actions as follows: 1 ACL Settlement Order, 1 Notice of Violation, and 19 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 (SSOs)—June 2015 (Attachment B-3)

Staff Contact: Dat Quach

State agencies, municipalities, counties, districts, and other entities (collectively referred to as public entities) that own or operate sewage collection systems report sanitary sewer overflow spills (SSOs) through an on-line system, the *California Integrated Water Quality System* (CIWQS). These spill reports are required under the [Statewide General SSO Order](#)², the [San Diego Region-wide SSO Order](#)³, and/or individual National Pollutant Discharge Elimination

¹ More information regarding the desalination amendment to the California Ocean Plan can be found in the [June 24, 2015 Executive Officer's Report](#).

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*.

System (NPDES) permit requirements. Some federal entities⁴ report this information voluntarily. The 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.

A summary of the information reported for June 2015 is provided in the following tables:

1. Table 1: June 2015 Summary of Public and Federal Sanitary Sewer Overflows in the San Diego Region
2. Table 2: June 2015 Summary of Private Lateral Sewage Spills in the San Diego Region

Part C – Statewide Issues of Importance to the San Diego Region

1. Status of State Approval Process for the Nitrate/OWTS Basin Plan Amendment

Staff Contact: Jody Ebsen

The San Diego Water Board has initiated the next step in the Nitrate / Onsite Waste Treatment System (OWTS) Basin Plan amendment approval process, which is to schedule a hearing by the State Water Board. The San Diego Water Board approved Resolution No. R9-2015-0008 adopting the Basin Plan amendment on April 15, 2015. The Basin Plan amendment changes the nitrate water quality objective for groundwater, incorporates the OWTS Policy and incorporates miscellaneous updates. The San Diego Water Board Executive Officer sent a memorandum dated August 6, 2015, requesting that the State Water Board schedule a hearing to consider approval of the Basin Plan amendment.

The State Water Board issued a Notice of Opportunity to Comment on the proposed approval of the San Diego Water Board's Basin Plan amendment.

The public may provide written comments until **12:00 noon on September 15, 2015**. The State Water Board may refuse to accept any comments that do not satisfy all of the following requirements:

1. Comments must specifically address the final version of the Basin Plan amendment adopted by the San Diego Water Board.
2. If the San Diego Water Board previously responded to a similar or identical comment, the commenter must explain why and in what manner the commenter believes each of the

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*. The U.S. Marine Corps Recruit Depot is not required to report sewage spills but does so voluntarily. The U.S. Navy is not required to report sewage spills but does voluntarily fax in its sewage spill reports. This report does not include sewage spills from U.S. Navy sewage collection systems because this information is not available through CIWQS.

responses provided by the San Diego Water Board to each comment was inadequate or incorrect.

3. The commenter also must include either a statement that each of the comments was timely raised before the San Diego Water Board, or an explanation of why the commenter was unable to raise the specific comment before the San Diego Water Board.

Comments must be submitted directly to the State Water Board and include in the subject line, "Comment Letter: San Diego Water Board Nitrate/OWTS Basin Plan Amendment." Email submittals that are less than 15 megabytes can be sent to commentletters@waterboards.ca.gov. Comments can also be sent by U.S. mail or hand delivered to:

Jeanine Townsend, Clerk of the Board
State Water Resources Control Board
P.O. Box 100, Sacramento, CA 95812-2000 (mail)
1001 I Street, 24th Floor, Sacramento, CA 95814 (hand delivery)

A written response to comments document will be prepared prior to the State Water Board hearing. Currently, this item is scheduled for the State Water Board's November 17, 2015 meeting.

Once the State Water Board approves the Basin Plan amendment, the next step in the process is to garner Office of Administrative Law (OAL) approval. The Basin Plan amendment becomes effective once the OAL approval is received.

The State Water Board Notice of Opportunity to Comment and other pertinent documents are available on the San Diego Water Board's web site at:
http://www.waterboards.ca.gov/sandiego/water_issues/programs/basin_plan/nitrate_owts_bpa/tbpa.shtml.

2. USEPA Updates to Federal Water Quality Standards Regulations

Staff Contact: Jody Ebsen

The USEPA Administrator signed a final rule updating the federal water quality standards (WQS) regulations⁵ that help implement the Clean Water Act on August 5, 2015. These updates will enable states and authorized tribes to more effectively address water quality challenges, protect existing water quality, facilitate environmental improvements, increase transparency and promote engaged public participation. The rules were published in the Federal Register on August 21, 2015, with the final ruling effective on October 20, 2015.

Six key program areas and a goal for each program area addressed in the final rule are provided below.

- (1) USEPA Administrator's Determinations that New or Revised WQS are Necessary. The goal allows EPA and states/tribes to communicate directly on areas where water quality

⁵ 40 CFR, Part 131.

standards (WQS)⁶ improvements should be considered and establish a more transparent process for announcing those determinations.

- (2) Designated Uses for Waters. The goal is to ensure appropriate WQS are in place to help restore and maintain robust aquatic ecosystems.
- (3) Triennial Reviews of State and Tribal WQS. The goal is to ensure public transparency and clarify existing requirements so that states and tribes update WQS when necessary, and consider the latest scientific knowledge in setting criteria for water quality as reflected in the Clean Water Act⁷.
- (4) Antidegradation Requirements. The goal is to promote public transparency and enhance antidegradation implementation through clear requirements and expectations.
- (5) WQS Variances. The goal is to promote the appropriate use of WQS variances when applicable WQS are not attainable in the near term but may be attainable in the future.
- (6) Permit Based Compliance Schedules. The goal is to clearly articulate what must be done for states and tribes to use permit compliance schedules, consistent with the Clean Water Act and ensure public transparency of state and tribal decisions to allow permit compliance schedules for water quality-based effluent limits (WQBELs) in NPDES permits.

These newly updated regulations provide a goal-oriented, programmatic guidance so that states and authorized tribes can more effectively implement water quality standards.

Additional information on the WQS updates can be found at:
http://water.epa.gov/lawsregs/lawsguidance/wqs_index.cfm

⁶ Water Quality Standards define the goals for a waterbody by designating its uses, setting criteria to protect those uses, and establishing provisions such as antidegradation policies to protect water quality from pollutants.

⁷ Clean Water Act section 304 (a) (1).

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SAN DIEGO REGION

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

September 9, 2015

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
October 14, 2015				
<i>No Meeting</i>				
November 18, 2015				
<i>San Diego Water Board</i>				
An Order Rescinding Individual Waste Discharge Requirements for Sand and Gravel Operations: Order Nos. 88-65 (Nelson and Sloan Channel Road Plant), 94-06 (Asphalt Inc. Slaughterhouse Canyon Plant), 94-34 (H.G. Fenton Pre-Mix Concrete Company, Escondido Plant) and 94-63 (Sim J. Harris Company, Miramar Plant) (<i>Mitchell</i>)	Rescission of WDRs	80%	9-Oct-15	Yes
Revised Master Recycling Permit for the Valley Center Municipal Water District, Woods Valley Ranch Water Reclamation Facility, Valley Center, San Diego County (<i>Cali</i>)	Master Reclamation Permit Reissuance	75%	9-Oct-15	TBD
Revised Master Recycling Permit for North City Water Reclamation Facility, City of San Diego, San Diego County (<i>Osibodu</i>)	Master Reclamation Permit Reissuance	90%	9-Oct-15	Yes
NPDES Permit Renewal for UCSD Scripps Institution of Oceanography (<i>Lim</i>)	NPDES Permit Reissuance	80%	11-Oct-15	Yes
NPDES Permit Renewal for Southern California Edison, San Onofre Nuclear Generating Station (SONGS), Units 2 and 3 (<i>Neill</i>)	NPDES Permit Reissuance	80%	TBD	No
Consolidated NPDES Permit for Industrial Process and Storm Water Discharges from Naval Base Coronado (<i>Schwall</i>)	NPDES Permit Reissuance	80%	11-Oct-15	Maybe
Time Schedule Order for Naval Base Coronado (<i>Schwall</i>)	Time Schedule Order	50%	11-Oct-15	Maybe
NPDES Permit Amendment to Cover the Copermittees of Riverside County in Region 9 into the Regional MS4 Permit (<i>Chiu</i>)	NPDES Permit Amendment	95%	14-Sep-15	No
December 16, 2015				
<i>San Diego Water Board</i>				
Waste Discharge Requirements and Monitoring and Reporting Program Reissuance: Teledyne Ryan Aeronautical, Closure and Post-Closure Maintenance of the Convair Lagoon Sand Cap, San Diego Bay (Tentative Addendum No. 1 to Order No. 98-21, and Revisions to MRP No. 98-21) (<i>Alo</i>)	WDR Reissuance	99%	30-Sep-15	Yes
Update on Beach Water Quality and Fecal Indicator Bacteria Testing Methods by the Southern California Coastal Waters Research Project (<i>Gibson</i>)	Information Item	NA	NA	NA
Addendum No. 1: Order No. R9-2009-0072, County of San Diego Sanitation District, San Pasqual Academy Water Pollution Control Facility, San Diego County (<i>Osibodu</i>)	WDR Addendum	99%	19-Jul-2015	Maybe

Updated 9 September 2015 **Agenda Items Requested by Board Members**

Requested Agenda Item	Board Member	Status
August 13, 2014		
Fish Tissue Sampling Update	Strawn	Results available September 2015
September 10, 2014		
Information from San Diego MS4 Copermittees regarding outreach to educate and inform the public about compliance efforts	Abarbanel	
Beach water quality update by SCCWRP	Abarbanel	Planned for Fall 2015 after second round of studies is complete
March 16, 2015		
Follow up to Recycled Water item from February Agenda: what would it take to achieve zero discharge to the ocean by 2025 or 2030	Abarbanel	Scheduled Executive Officer's Report item
Estimate of PYs necessary to achieve the goals of the Practical Vision, the amount of PYs expected during the next fiscal year, and an accounting of what will not be accomplished due to the expected shortfall.	Abarbanel	Executive Officer and Assistant Executive Officer to discuss with Board Chair.
April 15, 2015		
Information Item regarding Padre Dam Advanced Treatment Facility	Strawn	May 13, 2015 Executive Officer's Report
June 24, 2015		
Update on Katema cleanup	Strawn	
Workshop on low dissolved oxygen conditions in the San Diego River	Strawn	
Information Item regarding high levels of naturally occurring elements in groundwater when they interact with other issues.	Olson	
August 12, 2015		
Information item regarding data supporting Basin Plan Water Quality Objectives	Olson	

Enforcement Actions for July 2015

Enforcement Date	Enforcement Action	Facility	Summary of Violations and Enforcement	Applicable Permit/Order Violated
07/08/2015	ACL Settlement Order No. R9-2015-0015	Jacobs Center for Neighborhood Innovation - Northwest Village Creek, San Diego	\$46,718 settlement agreement for violations observed on December 4, 2014 including failure to implement adequate training documentation, lack of erosion controls, inadequate perimeter sediment controls, runoff/runon controls, and discharge of sediment laden storm water to Chollas Creek.	National Pollutant Discharge Elimination System (NPDES) General Construction Storm Water Permit Order No. 2009-0009-DWQ
07/16/2015	Notice of Violation and Revocation of Certification	Tentative Parcel Map 33488, Fred Connary Site, Temecula	Failure to submit annual report and failure to provide proof of preservation mechanism.	Clean Water Act (CWA) Section 401 Certification No. 08C-096
07/02/2015	Staff Enforcement Letter	City of Laguna Beach CS, Laguna Beach	Failure to properly notify and prevent sanitary sewer overflow and spills.	Waste Discharge Requirements (WDR) for Sanitary Sewer Systems Order No. 2006-0003-DWQ

Enforcement Actions for July 2015

Enforcement Date	Enforcement Action	Facility	Summary of Violations and Enforcement	Applicable Permit/Order Violated
07/02/2015	Staff Enforcement Letter	City of National City CS, National City	Failure to properly notify and prevent sanitary sewer overflow and spills; deficiencies in Capital Improvement Program, collection system resources, and implementation of Sewer System Management Plan and auditing.	WDR Order 2006-0003-DWQ for Sanitary Sewer Systems
07/02/2015	Staff Enforcement Letter	Modern Stairways, Spring Valley	Failure to implement adequate housekeeping best management practices (BMPs).	NPDES General Industrial Storm Water Permit Order No. R9-2009-0099
07/03/2015	Staff Enforcement Letter	Fibre Resources, San Diego	Failure to implement adequate housekeeping BMPs and lack of storm drain inlet protection.	NPDES General Industrial Storm Water Permit Order No. R9-2009-0099
07/10/2015	Staff Enforcement Letter	BAE Systems San Diego Ship Repair, San Diego	Exceedance of monthly average limitation and total recoverable daily maximum limitation of copper.	NPDES Order No. R9-2009-0080

Enforcement Actions for July 2015

Enforcement Date	Enforcement Action	Facility	Summary of Violations and Enforcement	Applicable Permit/Order Violated
07/10/2015	Staff Enforcement Letter	Encina Power Plant, Carlsbad	Exceedance of daily maximum effluent limitation for chronic toxicity.	NPDES Order No. R9-2006-0043
07/10/2015	Staff Enforcement Letter	Naval Base San Diego, San Diego	Exceedance of 1-Hour Average effluent limitation for pH and mercury; unauthorized discharge into San Diego Bay.	NPDES Order No. R9-2013-0064
07/10/2015	Staff Enforcement Letter	Palomar Energy Center, Escondido	Exceedance of daily maximum effluent limitation for oil and grease.	NPDES Order No. R9-2012-0015
07/10/2015	Staff Enforcement Letter	Scripps Institution of Oceanography, San Diego	Exceedance of daily maximum effluent limitation for chronic toxicity and unauthorized discharge of municipal potable water.	NPDES Order No. R9-2005-0008
07/10/2015	Staff Enforcement Letter	San Onofre Nuclear Generating Station, San Clemente	Failure to submit multiple monitoring and technical reports on time.	NPDES Order Nos. R9-2005-0005 and R9-2005-0006
07/10/2015	Staff Enforcement Letter	South Chollas Landfill, San Diego	Inadequate annual reports for public notification requirements and surface drainage.	WDR Order No. R9-2012-0001

Enforcement Actions for July 2015

Enforcement Date	Enforcement Action	Facility	Summary of Violations and Enforcement	Applicable Permit/Order Violated
07/10/2015	Staff Enforcement Letter	US Naval Base Coronado (NBC), San Diego	Exceedance of monthly average effluent limitation for copper, Bis(2-ethylxl) Phthalate, and lead; violations for pH instantaneous limits.	NPDES Order No. R9-2009-0081
07/16/2015	Staff Enforcement Letter	Point Loma WWTP & Ocean Outfall, San Diego	Exceedance of instantaneous maximum effluent limitations for settleable solids.	NPDES Order No. R9-2009-0001
07/16/2015	Staff Enforcement Letter	South Bay WRP, San Diego	Failure to adequately monitor and report on pH data.	NPDES Order No. R9-2013-0006
07/16/2015	Staff Enforcement Letter	Encina Ocean Outfall, Carlsbad	Failure to adequately monitor and report on turbidity and settleable solids.	NPDES Order No. R9-2011-0019
07/17/2015	Staff Enforcement Letter	A & A Auto Wrecking, Chula Vista	Failure to implement adequate housekeeping BMPs.	NPDES General Industrial Storm Water Permit Order No. R9-2009-0099
07/20/2015	Staff Enforcement Letter	San Elijo Water Reclamation Facility, Cardiff	Failure to submit February monthly report on time.	NPDES Order No. R9-2010-0087

Enforcement Actions for July 2015

Enforcement Date	Enforcement Action	Facility	Summary of Violations and Enforcement	Applicable Permit/Order Violated
07/29/2015	Staff Enforcement Letter	A&L Tile, San Diego	Failure to implement adequate housekeeping and structural BMPs, lack of perimeter controls, and unauthorized non-storm water discharge of granite processing fines.	NPDES General Industrial Storm Water Permit Order No. R9-2009-0099
07/29/2015	Staff Enforcement Letter	San Diego Truck Body & Equipment, Lemon Grove	Failure to implement adequate housekeeping BMPs, lack of adequate storm drain inlet protection, and NSW to storm drains.	NPDES General Industrial Storm Water Permit Order No. R9-2009-0099

Table 1 June 2015 - Summary of Public and Federal Sanitary Sewer Overflows in the San Diego Region

Responsible Agency	Collection System	Total Volume*	Total Recovered*	Total Reaching Surface Waters*	Percent Recovered (%)	Percent Reaching Surface Waters	Additional Details	Miles of Pressure Sewer	Miles of Gravity Sewer	Population in Service Area
		(Gallons)	(Gallons)	Waters*						
Escondido City	HARRF Disch To San Elijo OO CS	50	0	50	0%	100%		10.7	370.0	142,000
La Mesa City	City of La Mesa CS	250	250	0	100%	0%		0.0	155.0	58,244
		10	10	0	100%	0%				
Laguna Beach City	City of Laguna Beach CS	32	32	0	100%	0%		9.0	86.0	18,000
Moulton Niguel Water District	Moulton Niguel Water District CS	4,950	0	4,950	0%	100%		20.0	510.0	165,000
Oceanside City	La Salina WWTP, Oceanside Outfall CS	540,000	432,500	107,500	80%	20%	1*	35.6	439.7	169,527
Padre Dam Municipal Water District	Padre Dam CS	4	4	0	100%	0%		4.6	161.0	67,658
San Diego City	San Diego City CS (Wastewater Collection System)	138	138	0	100%	0%		145.0	3,002.0	2,186,810
		45	45	0	100%	0%				
		64	64	0	100%	0%				
		547	507	0	93%	0%	2*			
Vista City	City of Vista CS	20	20	0	100%	0%		0.3	211.7	90,000
		Totals for Public Spills	546,110	433,570	112,500					
		Totals for Federal Spills	0	0	0					

*Total Recovered plus Total Reaching Surface Waters does not always equal Total Volume for one or more of the following reasons: 1) a portion of the spill may have been to land and not recovered, 2) a portion of the spill may have been to a drainage channel and recovered (all of the volume discharged to a drainage channel whether recovered or not is considered reaching surface waters), and/or 3) a portion of the spill may have been discharged directly to surface waters and recovered (all of the volume discharged directly to surface waters whether recovered or not is considered reaching surface waters).

1* 540,000 gallons discharged to a separate storm drain on June 15, 2015. 432,500 gallons recovered and 107,500 gallons reached surface water. It took the City of Oceanside 18 hours to end the spill. The City of Oceanside posted health warning signs along Loma Alta Creek, and set up three stations to sample for enterococcus, total coliform, total Kjeldahl nitrogen, nitrate, nitrite, and total phosphorus. The City of Oceanside and the San Diego County Department of Environmental Health used the results of the sampling to determine when the health warning signs should be removed.

2* 547 gallons discharged to land. 507 gallons recovered, and 40 gallons seeped into the ground.

Table 2 June 2015 - Summary of Private Lateral Sewage Spills in the San Diego Region

Reporting Agency	Collection System	Total Volume*	Total Recovered*	Total Reaching Surface Waters*	Percent Recovered (%)	Percent Reaching Surface Waters	Additional Details	Population in Service Area	Lateral Connections
		(Gallons)	(Gallons)	(Gallons)					
Chula Vista City	City of Chula Vista CS	20	20	0	100%	0%		256,780	49,532
El Cajon City	City of El Cajon CS	70	50	20	71%	29%		102,211	16,675
Fallbrook Public Utility Dist	Fallbrook Plant 1, Oceanside of CS	50	30	20	60%	40%		23,000	4,580
Padre Dam Municipal Water District	Padre Dam CS	2,234	1,534	700	69%	31%		67,658	15,024
San Diego City	San Diego City CS (Wastewater Collection System)	814	814	0	100%	0%		2,186,810	267,237
		2,720	2,720	0	100%	0%			
		250	250	0	100%	0%			
		420	420	0	100%	0%			
		230	230	0	100%	0%			
		658	600	58	91%	9%			
South Coast Water District	South Coast Water District CS	500	0	0	0%	0%	1*	42,000	14,762
Vista City	City of Vista CS	429	429	66	100%	15%	2*	90,000	16,367
Totals		8,395	7,097	864					

*Total Recovered plus Total Reaching Surface Waters does not always equal Total Volume for one or more of the following reasons: 1) a portion of the spill may have been to land and not recovered, 2) a portion of the spill may have been to a drainage channel and recovered (all of the volume discharged to a drainage channel whether recovered or not is considered reaching surface waters), and/or 3) a portion of the spill may have been discharged directly to surface waters and recovered (all of the volume discharged directly to surface waters whether recovered or not is considered reaching surface waters).

1* Private lateral spill discovered after three days. South Coast Water District has no direct knowledge of spill volume; grounds keepers cleaned the area. All 500 gallons either evaporated or seeped into the ground.

2* The total volume of 429 gallons was recovered from a concrete-lined drain, an unlined drain, and/or land. The amount recovered from the unlined drain, 66 gallons, is considered to have reached surface waters.