9SSO10680	Active	717028	Paul Clarke	Certified
9SSO10680	Active	729885	Paul Clarke	Certified
9SSO10680	Active	736042	Paul Clarke	Certified
9SSO10680	Active	738089	Paul Clarke	Certified
9SSO10680	Active	739582	Paul Clarke	Certified
9SSO10680	Active	744497	Paul Clarke	Certified
9SSO10680	Active	748243	Paul	Certified
9SSO10680	Active	759129	Paul Clarke	Certified
9SSO10680	Active	759844	Paul Clarke	Certified
9SSO10680	Active	771929	Paul Clarke	Certified
9SSO10680	Active	771933	Paul Clarke	Certified
9SSO10680	Active	779141	Paul Clarke	Certified
9SSO10680	Active	793036	Paul Clarke	Certified
9SSO10680	Active	799090	Paul Clarke	Certified
9SSO10680	Active	801087		Submit Draft
9SSO10687	Active	656896	Chuck Sneed	Certified
9SSO10687	Active	656987	Chuck Sneed	Certified
9SSO10687	Active	710697	Chuck Sneed	Certified
9SSO10687	Active	756625	Chuck Sneed	Certified
9SSO10687	Active	757443	Chuck Sneed	Certified
9SSO10690	Active	740406	Chuck Duffy	Certified
9SSO10690	Active	799122	cduffy	Certified
9SSO10690	Active	800422	cduffy	Certified
9SSO10691	Active	645902	Jay Elston	Certified
9SSO10691	Active	647109	Jay Elston	Certified
9SSO10691	Active	648077	Jay Elston	Certified
9SSO10691	Active	712730	Jay Elston	Certified
9SSO10691	Active	713979	Jay Elston	Certified
9SSO10691	Active	714549	Jay Elston	Certified
9SSO10691	Active	745345	Jay Elston	Certified
9SSO10691	Active	769181	Jay Elston	Certified
9SSO10691	Active	772386	Jay Elston	Certified
9SSO10691	Active	779741	Jay Elston	Certified
9SSO10691	Active	786693	Jay Elston	Certified
9SSO10691	Active	799362	Bob Gamble	Certified
9SSO10691	Active	799370	Bob Gamble	Certified
9SSO10691	Active	799374	Bob Gamble	Certified
9SSO10691	Active	799585	Bob Gamble	Certified
9SSO10691	Active	799604	Bob Gamble	Certified
9SSO10691	Active	800316	Robert D Gamble Jr	Certified
9SSO10691	Active	801082	Robert D Gamble Jr	Certified
9SSO10692	Active	650087	Alvin Shoemaker	Certified
9SSO10692	Active	765553	Alvin Shoemaker	Certified
9SSO10692	Active	798322	Alvin Shoemaker	Certified
9SSO10695	Active	648064	Alice Benson	Certified
9SSO10695	Active	650011	Alice Benson	Certified
9SSO10695	Active	652021	Alice Benson	Certified
9SSO10695	Active	707179	Alice Benson	Certified
9SSO10695	Active	746854	JON MILLER	Certified
9SSO10695	Active	748065	Alice Benson	Certified
9SSO10696	Active	732127		Work In Progress
9SSO10696	Active	759194	Chuck Duffy	Certified
9SSO10696	Active	796278	cduffy	Certified
9SSO10697	Active	647401	Gerre Bedell	Certified
9SSO10697	Active	651354	Dave Seymour	Certified

Operations Manager
Operations Manager
Operations Manager
Operations Manager
Operations Manager
Operations Manager
Clarke
Operations Manager
Operations Manager
Operations Manager
Operations Manager
Operations Manager
Operations Manager
Operations Manager

O&M Manager
O&M Manager
O&M Manager
O&M Manager
O&M Manager
General Manager
gen man
gen man
Operations Supervisor
Operations Supervisor
Operations Supervisor
Operations Supervisor
Operations Supervisor
Operations Supervisor
Operations Supervisor
Operations Supervisor
Operations Supervisor
Operations Supervisor
Operations Supervisor
Utilities Wastewater Operations Supervisor
Utilities Wastewater Operations Supervisor
Utilities Wastewater Utilities Supervisor
Utilities Wastewater Operations Supervisor
Utilities Wastewater Operations Supervisor
Utilities Wastewater Operations Supervisor
Utilities Wastewater Operations Supervisor
Hazardous Materials Manager
Hazardous Materials Manager
Alvin Shoemaker
wastewater Operations Manager
Wastewater Operations Manager
Waste Water Manager
Wastewater Operation Manager
COLLECTIONS SUPERVISOR
Waste Water Manager

General Manager
gen man
Superintendent
Director of Operations

Santee, California		423891
	9:45	295353
	14:25	570950
	13:28	103145
Santee CA		510984
Santee		651452
Santee CA		357634
Santee CA		454904
Santee CA		891414
Santee Ca		401556
Santee Ca		784313
Santee Ca		941671
Santee CA		177525
Santee Ca		316227
Rainbow MWD		511487
Rainbow Municipal Water District		496429
Rainbow MWD		559435
Rainbow MWD		704110
Fallbrook, CA		387679
Rancho Santa Fe		621040
rsf		983766
rsf		621925
San Clemente		130236
San Clemente		464631
San Clemente		933628
San Clemente		748026
San Clemente		545657
San Clemente		380226
San Clemente		872398
San Clemente		279286
San Clemente		119508
San Clemente		731529
San Clemente		248990
380 Avenida Pico Bldg. J		401321
380 Avenida Pico Bldg. J		989237
380 Avenida Pico Bldg. J		108431
380 Avenida Pico Bldg J		894724
380 Avenida Pico Bldg. J		280194
380 Avenida, Pico Bldg. J, San Clemente, CA 92672		636107
380 Avenida Pico, Bldg J, San Clemente, CA 92672		997013
	7:44	639782
San Diego State University		708655
SDSU		943380
RMWD		612468
Ramona, California		964489
Ramona		404519
Ramona, CA		439875
WORK		466706
Ramona		224984
Rancho Santa Fe, CA		358541
rsf		481311
Santa Margarita Water District		391329
Rancho Santa Margarita		264494

6-May-08		12-May-08	5/12/2008
25-Nov-08		5-Dec-08	12/5/2008
7-Apr-09		9-Apr-09	4/9/2009
27-May-09		3-Jun-09	6/3/2009
18-Jun-09		24-Jun-09	12/17/2010
10-Sep-09		15-Sep-09	9/15/2009
8-Jan-10		14-Jan-10	1/14/2010
6-Dec-10	12/6/2010	17-Dec-10	12/17/2010
24-Dec-10	12/24/2010	5-Jan-11	1/5/2011
11-Oct-11	10/11/2011	13-Oct-11	10/13/2011
11-Oct-11	10/11/2011	13-Oct-11	10/13/2011
27-Mar-12	3/27/2012	3-Apr-12	4/3/2012
28-Mar-13	3/28/2013	25-Apr-13	4/25/2013
25-Sep-13	9/25/2013	7-Oct-13	10/7/2013
25-Nov-13	11/25/2013		
5-Sep-07		7-Sep-07	4/7/2008
7-Sep-07		12-Oct-07	10/12/2007
3-Jan-08		7-Jan-08	2/3/2011
4-Sep-10	9/4/2010	17-Sep-10	9/17/2010
7-Oct-10	10/7/2010	1-Nov-10	11/1/2010
30-Jun-09		31-Jul-09	7/31/2009
26-Sep-13	9/26/2013	26-Sep-13	9/26/2013
31-Oct-13	10/31/2013	31-Oct-13	10/31/2013
19-Jan-07		19-Jan-07	4/10/2007
16-Feb-07		16-Feb-07	2/16/2007
16-Mar-07		16-Mar-07	3/29/2011
12-Feb-08		12-Feb-08	3/29/2011
26-Feb-08		26-Feb-08	3/1/2011
5-Mar-08		5-Mar-08	3/29/2011
5-Oct-09		5-Oct-09	10/5/2009
29-Jul-11	7/29/2011	29-Jul-11	7/29/2011
26-Oct-11	10/26/2011	26-Oct-11	10/26/2011
9-Apr-12	4/9/2012	9-Apr-12	4/9/2012
27-Sep-12	9/27/2012	27-Sep-12	9/27/2012
3-Oct-13	10/3/2013	3-Oct-13	10/3/2013
3-Oct-13	10/3/2013	3-Oct-13	10/3/2013
3-Oct-13	10/3/2013	3-Oct-13	10/3/2013
9-Oct-13	10/9/2013	9-Oct-13	10/9/2013
9-Oct-13	10/9/2013	9-Oct-13	10/9/2013
29-Oct-13	10/29/2013	29-Oct-13	10/29/2013
25-Nov-13	11/25/2013	25-Nov-13	11/25/2013
3-May-07		3-May-07	5/3/2007
15-Apr-11	4/15/2011	15-Apr-11	4/15/2011
29-Aug-13	8/29/2013	30-Aug-13	8/30/2013
16-Mar-07		16-Mar-07	3/16/2007
1-May-07		11-May-07	5/11/2007
18-Jun-07		18-Jun-07	12/8/2010
5-Nov-07		5-Nov-07	11/5/2007
18-Nov-09		10-Dec-09	12/10/2009
1-Jan-10		4-Jan-10	1/4/2010
19-Jan-09		26-Feb-09	
8-Dec-10	12/8/2010	8-Dec-10	12/8/2010
28-Jun-13	6/28/2013	28-Jun-13	6/28/2013
26-Feb-07		1-Mar-07	10/28/2008
5-Jun-07		13-Jun-07	6/13/2007

Category 1		625	0
Category 3		25	25
Category 3		25	25
Category 3		7	7
Category 1		28000	500
Category 3		20	20
Category 3		5	5
Category 1		400	50
Category 1		1000800	0
Category 3		5	5
Category 3		100	100
Category 3		475	475
Category 3		588	8
Category 3	3	3	3
Category 3	1	1	1
Category 3		500	0
Category 2		756000	0
Category 1		14200	0
Category 3		388	0
Category 3		194	0
Category 3		500	500
Category 3	350	350	350
Category 3	900	900	900
Category 2		4000	4000
Category 1		500	0
Category 1		60	0
Category 1		730	730
Category 1		400	0
Category 1		845	100
Category 1		300	0
Category 1		4042	500
Category 2		2350	1000
Category 1		13500	13500
Category 1		4400	0
Category 3	5	5	0
Category 3	30	30	30
Category 3	0	290	290
Category 3	3	3	3
Category 3	7	7	0
Category 3	1	1	1
Category 3	8	8	8
Category 1		960	0
Category 1		325	20
Category 3		25	0
Category 3		100	
Category 1		48546	0
Category 1		200	0
Category 3		20	20
Category 2		1200	800
Category 3		250	0
Category 3		525	525
Category 2		2000	2000
Category 3		250	250
Category 1		700	0
Category 3		200	25

625	Yes	Yes
0	No	Yes
0	No	No
0	No	Yes
27500	Yes	Yes
0	No	No
0	No	No
350	Yes	Yes
1000800	Yes	No
0	No	Yes
0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
14200	Yes	Yes
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
500	Yes	Yes
60	Yes	Yes
1	Yes	No
400	Yes	Yes
745	Yes	Yes
300	Yes	Yes
3542	Yes	Yes
0	No	No
2500	Yes	Yes
4000	Yes	Yes
0	No	No
0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	No
0	No	No
960	Yes	Yes
302	Yes	No
0	No	Yes
	No	No
48546	Yes	No
200	Yes	Yes
	No	No
0	No	No
0	No	No
0	No	Yes
0	No	No
0	No	No
700	Yes	Yes
	No	No

No
Yes
Not Applicable - Spill did not reach storm drainpipe
Yes
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe

9142 Inverness road
Susie Pl. at Amada Pl.
Woodside Ave. Pump Station
High Rise Pump Station
Graves Avenue
Woodpecker Way
Bird Street
Aquilla Dr.
Carlton Hills GC
Solomon Rd.
Wenatchee Ave.
Graves Ave.
Woodside Ave Lift Station
Marlinda Way SSO
Padre Dam MWD Ops Yard
I -15 Freeway Northbound Lanes / East of I -15
East of I -15 Freeway North on Hwy 76 - Horse Ranch Creek area
Lift Station # 2
Rancho Monserate Country Club
Rancho Monserate Country Club
Lago Lindo pump station
6500 block Paseo Delicias RSF
RSF garden club
Cyprus Shore Pump Station
Cyprus Shore Pump Station
245 La Pata
Calle Alcazar Sewer Spill
Calle Del Cerro Cross Street Ave. Pico
3316 Del Presidente SSO
405 Calle Alicia
San Gabriel Pump Station Forced Main Failure
611 Ave. Victoria
San Gabriel Force Main Failure
412 Arenoso Lane
404 Calle Vista Torito
1 West Avenida Ramona
961 Calle Amanecer
302 N. El Camino Real, San Clemente, CA 92672
Jack In The Box
130 Calle Redondel San Clemente, CA 92672
229 Via San Andreas, San Clemente, CA 92672
San Diego State University
San Diego State University
San Diego State University
Barona Mesa Sewer Lift Station 1
San Vicente Treatment Plant
Barona Mesa Sewer Lift Station 1
Barona Mesa Lift Station 2
San Vicente Wastwater Treatment Plant
15741 Davis Cup Ln.
The Crosby Estates
Santa Fe Valley offsite pump station
the crosby golf course
23 Canada Oaks, Coto de Caza, CA 92679
Ortega Force Main

32.840568	117.013894	San Diego
32.86421	116.96629	San Diego
32.851617	-116.950101	San Diego
32.84726	-116.946289	San Diego
32.82138697	-116.9591732	San Diego
32.833228	-117.021197	San Diego
32.842914	-116.955781	San Diego
32.862269	-116.961059	San Diego
32.840761	-117.011325	San Diego
32.829143	-116.949737	San Diego
32.825931	-116.955905	San Diego
32.833279	-116.961418	San Diego
32.851614	-116.9501	San Diego
32.829018	-116.954546	San Diego
32.84482	-117.005508	San Diego
33.341389	117	San Diego
33.342131	117.158056	San Diego
33.267292	-117.233136	San Diego
33.318672	-117.162028	San Diego
33.318672	-117.16202	San Diego
33.038192	-117.190364	San Diego
33.026667	-117.193889	San Diego
33.021389	-117.204808	San Diego
33.582778	117.841389	Orange
33.582778	117.841389	Orange
33.44583	-117.58437	Orange
33.41994	-117.60516	Orange
33.44448	-117.61354	Orange
33.40049	-117.59855	Orange
33.39165	-117.5975	Orange
33.41504	-117.60055	Orange
33.41948	-117.6199	Orange
33.41592	-117.6013	Orange
33.42276	-117.6223	Orange
33.44816	-117.6419	Orange
33.4168	-117.60289	Orange
33.45161497	-117.6010573	Orange
33.42894	-117.61355	Orange
33.41228	-117.60099	Orange
33.43468	-117.62375	Orange
33.443576	-117.636604	Orange
32.776478	117.069593	San Diego
32.776478	-117.069593	San Diego
32.77178	-117.07222	San Diego
32.994167	116.823889	San Diego
32.999536	116.836941	San Diego
32.99356	-116.82426	San Diego
33.032839	-116.847109	San Diego
32.99901	-116.83796	San Diego
33.00268	-116.7809	San Diego
33.034306	-117.153167	San Diego
33.023333	-117.161111	San Diego
33.035556	-117.156667	San Diego
33.593611	117.643889	Orange
33.523889	-117.596389	Orange

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Paved Street with curbs and sidewalks
Spill took place at manhole number 1402 at the intersection of Susie Place and Amada Place.
Spill took place in the parking lot at 11510 Woodside Ave. South. The facility is the Ranch House Restaurant; Padre Dam
This spill occurred at the High Rise Pump Station located at 9270 High Rise Way. The pump station over flowed from the
This spill took place at manhole number 940, it is located in the storm drain channel that runs east to west, south of Dann
The spill was from manhole 796 in front of 8054 Woodpecker Way.
The spill occurred in the middle of a paved street and ran north down hill along a paved curb and gutter.

The spill location was at the north end of Solomon Rd. It is a paved cul-de- sac with sidewalks, curb and gutters.
The spill location was in the back yard concrete patio area.
The spill appeared at the manhole just north of Sunset Trail, as well as the lateral closest to this manhole.
This spill occurred at the Woodside Ave. lift station located in front of the Ranch House Restaurant.
Asphalt paved driveway
Concrete walk way and asphalt driveway.
Off shoulder on I-15 Freeway / Northbound from Highway 76
East of I-15 Freeway - Horse Ranch Creek area
Rainbow Municipal Water District / Lift Station failure point of sewer release at manhole and wet well.
East of Lift Station #4 on Dulin Rd.
East of Lift Station #4 on Dulin Rd.
Pump station

Air relief valve vault
Cyprus Shore pump Station
Intersection of Calle Ariana & Calle Alicia in San Clemente
La Pata Sewage Pump Station

Intersection of El camino Real and Ave. West San Gabriel in San Clemente
Public ssewer manhole

Behind the residence 404 Calle Vista Torito on the golf course cart path sloped area
In the front yard of the residence located at 1 West Avenida Ramona.
Private property sewer line in parking lot overflowing the manhole.
Sewer clean out overflowed into planter box. A little sewage entered the street, but nothing enetered the storm drain.
On west side if the Jack In The Box food establishment at the grease interceptor manhole covers.
Spill started from 1523 De La Estrella onto the property 130 Calle Redondel to the sidewalk and curb and gutter for about
Property at 229 Via San Andreas, San Clemente, CA 92672
The spill was coming from two manholes located south of the GMCS building and west of the Communication Clinic build
The overflow occured on the roadway between the East Comman Building and the Geoloy,Mathematics and Computer S
The area is used mostly as the loading and unloading area for E. Commons and Aztec Shops. Some foot traffic and parki
Sewer lift station
Tertiary Filter System at Treatment Plant
Sewer Lift Station
Small spill, less than 20 gallons through vent tube.
The return line on the grit removal system at he head works of the San Vicente Treatment Plant was clogged with rags . t

In street by guard building.

vegitated hillside
Sewer Manhole
San Juan Creek Haul Road. Approximately 1/2 mile NW of Ortega Highway

has a small pump station located at the
manhole located on the south side of th
y Way.

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ing on lane going to East Commons.
cience Building.
ng.

the grit removal system is located at the

Manhole
Manhole
Pump station
Pump station
Manhole
Manhole
Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Other (specify)
Other (specify)
Manhole;Other (specify)
Building or structure;Pump station
Lower Lateral (Private)
Lateral Clean Out (Public)
Gravity sewer
Manhole
Pump station
Other sewer system structure
Other sewer system structure
Force main or pressure sewer;Pump station
Manhole
Force Main
Building or structure
Manhole
Pump station
Manhole
Manhole
Building or structure
Gravity sewer
Force main or pressure sewer
Gravity sewer
Force main or pressure sewer
Gravity sewer
Lower Lateral (Private)
Lateral Clean Out (Private)
Gravity Mainline
Lateral Clean Out (Private)
Other sewer system structure
Other sewer system structure
Lateral Clean Out (Private)
Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Pump station
Other (specify)
Pump station
Pump station
Other (specify)
Gravity sewer
Manhole
Force main or pressure sewer
Manhole
Manhole
Force main or pressure sewer

Five manholes on golf course.
The spill occurred at the property line clean out of a private residence.
The appearance point was a back yard drain illegally connected to the service lateral of the house.
The spill also occurred at the lateral closest to the manhole that spilled.
Appearance point for this spill was at the lift station and at the back of the restaurant.

Water discharged from a cleanout located on the west end of the Padre Dam MWD operations yard.
Sewer spill backed up and overflowed around sewer manhole /on side of manhole

Pump volute in pump station dry well failed. Cause of failure unknown at this time.

Grease interceptor manhole cover.
property lateral on discharge side of sump pump

Tertiary Filter Unit Drainline coupling

The spill game from a machine at the head works. From the street it appear that someone left a hose on to passers by.

PVC blind fange

Surface water;Other (specify below)
Storm drain;Street/curb and gutter
Other paved surface;Street/curb and gutter
Storm drain
Separate storm drain;Surface water;Unpaved surface
Street/curb and gutter
Other (specify below)
Surface water
Beach;Surface water
Other (specify below)
Unpaved surface
Unpaved surface;Other (specify below)
Other paved surface
Paved Surface
Paved Surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Building or structure
Beach
Separate storm drain
Other (specify below)
Beach
Other (specify below)
Unpaved surface
Unpaved surface
Other (specify below)
Other (specify below)
Beach
Other (specify below)
Street/Curb and Gutter
Drainage Channel
Paved Surface
Paved Surface;Unpaved surface
Paved Surface
Street/Curb and Gutter
Surface water
Other (specify below)
Separate storm drain
Storm drain
Street/curb and gutter;Surface water;Unpaved surface
Other (specify below)
Street/curb and gutter
Street/curb and gutter;Unpaved surface
Unpaved surface
Building or structure;Other (specify below)
Other paved surface;Unpaved surface;Other (specify below)
Unpaved surface
Other (specify below)
Unpaved surface

San Diego River Mission Trails Park

The final destination was approximately 100 feet southwest of the pump station contained to the gutter.
This spill was contained to the catch basin of the storm drain located 15 feet south of the over flowing manhole located in

This spill was fully recovered and returned to the sewer system.

The spill ran across the sidewalk to the curb and gutter, into a storm drain and was contained in the catch basin. Vactor cı

The entire discharge was collected and returned to the sewer system.

Sewage spilled unto sorrounding sand / terrain and got absorbed into sand.

Open field

Returned to the sanitary sewer

Dry Drainage Canyon

Dry canyon Drainage Reservation
1000 gallons captured, 3 cubic yards of sand removed
Back to the sanitary sewer system
4000 Flowed into the sand at the beach, did not make it to the water, 400 flow into a housing structure
Spill soaked into grass area.

Alvarado Creek
Alvarado Creek

Unnamed tributary to San Vicente Creek
Very small amount made it from dirt compound to roadway. All areas cleaned, 100% capture.

Concrete containment structure with weir outlets restricted by folage and debris.
Recovered and placed back in the sanitary sewer and/or absorbed at surface.

Gobernardora Creek
25 gallons were returned to the sewer. The rest soaked into the dirt.

1/10/2007 8:48	1/10/2007 8:50	1/10/2007 8:55	1/10/2007 9:10
11/25/2008 13:55	11/25/2008 14:40	11/25/2008 14:05	11/25/2008 14:40
3/27/2009 9:50	3/27/2009 9:56	3/27/2009 10:10	3/27/2009 10:15
5/20/2009 16:50	5/20/2009 16:50	5/20/2009 17:10	5/20/2009 17:15
6/14/2009 0:00	6/18/2009 7:45	6/18/2009 8:05	6/18/2009 8:10
9/9/2009 17:20	9/9/2009 17:20	9/9/2009 17:40	9/9/2009 17:50
1/5/2010 10:45	1/5/2010 10:45	1/5/2010 11:00	1/5/2010 11:05
12/6/2010 0:00	12/6/2010 19:48	12/6/2010 20:40	12/6/2010 20:50
12/22/2010 0:00	12/22/2010 7:30	12/22/2010 7:30	12/23/2010 2:00
9/17/2011 12:15	9/17/2011 12:30	9/17/2011 13:30	9/17/2011 12:30
9/18/2011 11:45	9/18/2011 11:55	9/18/2011 13:00	9/18/2011 13:05
3/24/2012 5:55	3/24/2012 5:55	3/24/2012 6:45	3/24/2012 7:30
3/25/2013 16:00	3/25/2013 20:00	3/25/2013 21:22	3/25/2013 8:15
9/24/2013 18:30	9/24/2013 18:53	9/24/2013 19:45	9/24/2013 19:10
11/18/2013 14:15	11/18/2013 14:15	11/18/2013 14:19	11/18/2013 14:19
9/4/2007 19:00	9/4/2007 19:00	9/4/2007 19:15	9/4/2007 19:15
8/26/2007 18:00	9/4/2007 14:30	9/4/2007 15:00	9/4/2007 18:30
1/3/2008 10:00	1/3/2008 10:00	1/3/2008 9:30	1/3/2008 11:11
9/4/2010 0:00	9/4/2010 9:00	9/4/2010 9:00	9/4/2010 11:30
10/1/2010 0:00	10/1/2010 2:00	10/1/2010 2:07	10/1/2010 2:30
6/6/2009 10:30	6/6/2009 10:45	6/6/2009 11:15	6/6/2009 11:16
8/19/2013 15:30	8/19/2013 16:00	8/19/2013 16:20	8/19/2013 16:00
9/26/2013 17:30	9/26/2013 18:42	9/26/2013 19:10	9/26/2013 19:20
1/19/2007 7:30	1/19/2007 7:30	1/19/2007 7:40	1/19/2007 10:30
2/15/2007 11:20	2/15/2007 11:20	2/15/2007 11:25	2/15/2007 11:45
3/16/2007 11:05	3/16/2007 11:05	3/16/2007 11:10	3/16/2007 11:10
2/11/2008 9:18	2/11/2008 10:10	2/11/2008 10:15	2/11/2008 11:30
2/26/2008 6:20	2/26/2008 7:25	2/26/2008 7:35	2/26/2008 6:30
3/5/2008 8:00	3/5/2008 10:20	3/5/2008 10:25	3/5/2008 10:46
10/3/2009 0:00	10/3/2009 18:10	10/3/2009 19:00	10/3/2009 19:30
7/28/2011 0:00	7/28/2011 9:43	7/28/2011 9:50	7/28/2011 10:45
10/26/2011 0:00	10/26/2011 8:40	10/26/2011 8:50	10/26/2011 9:20
4/6/2012 0:00	4/6/2012 23:25	4/6/2012 23:35	4/6/2012 23:58
9/27/2012 0:00	9/27/2012 7:01	9/27/2012 7:15	9/27/2012 8:22
9/11/2013 7:40	9/11/2013 8:15	9/11/2013 8:25	9/11/2013 7:45
9/22/2013 13:40	9/22/2013 13:40	9/22/2013 13:55	9/22/2013 13:55
9/26/2013 14:07	9/26/2013 14:07	9/26/2013 14:26	9/26/2013 15:05
8/19/2013 13:15	8/19/2013 13:26	8/19/2013 13:30	8/19/2013 13:18
8/13/2013 16:00	8/13/2013 16:30	8/13/2013 16:40	8/13/2013 16:05
10/18/2013 13:44	10/18/2013 13:50	10/18/2013 13:59	10/18/2013 14:00
11/7/2013 13:00	11/7/2013 13:00	11/7/2013 13:07	11/7/2013 13:15
4/30/2007 12:10	4/30/2007 14:00	4/30/2007 12:35	4/30/2007 15:37
3/1/2011 0:00	3/1/2011 11:50	3/1/2011 11:50	3/1/2011 12:45
8/26/2013 11:50	8/26/2013 11:55	8/26/2013 13:50	8/26/2013 12:30
3/15/2007 14:15	3/15/2007 14:15	3/15/2007 14:20	3/15/2007 14:30
4/30/2007 18:19	5/1/2007 7:22	5/1/2007 7:15	5/1/2007 7:22
5/27/2007 18:30	5/27/2007 20:30	5/27/2007 20:45	5/27/2007 20:50
11/5/2007 7:30	11/5/2007 7:30	11/5/2007 7:45	11/5/2007 7:45
11/17/2009 0:00	11/17/2009 19:00	11/17/2009 19:00	11/17/2009 19:00
12/31/2009 9:00	1/1/2010 9:00	1/1/2010 9:30	1/1/2010 10:30
1/5/2009 7:30	1/5/2009 7:45	1/5/2009 8:05	1/5/2009 8:05
11/27/2010 0:00	11/27/2010 9:45	11/27/2010 10:00	11/27/2010 10:15
5/10/2013 10:00	5/10/2013 10:30	5/10/3013 10:45	5/10/2013 11:45
2/25/2007 20:00	2/25/2007 20:00	2/25/2007 20:20	2/25/2007 22:00
6/4/2007 0:00	6/4/2007 16:00	6/4/2007 16:00	6/4/2007 16:15

Grease deposition (FOG)
Other (specify below)
Pump station failure
Pump station failure
Vandalism
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Pump station failure
Root intrusion
Root intrusion
Other (specify below)
Pump station failure
Root Intrusion
Debris from Lateral
Root intrusion
Root intrusion
Pump station failure
Pipe structural problem/failure
Pipe structural problem/failure
Pipe structural problem/failure
Root Intrusion
Pipe Structural Problem/Failure
Pipe structural problem/failure
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Root intrusion
Grease deposition (FOG)
Other (specify below)
Pump station failure
Pipe structural problem/failure
Debri-General
Other (specify below)
Other (specify below)
Other (specify below)
Debris-General
Grease Deposition (FOG)
Other (specify below)
Debris from Lateral
Root intrusion
Pipe structural problem/failure
Pipe structural problem/failure
Other (specify below)
Pipe structural problem/failure
Other (specify below)
Pump station failure
Debri-Rags
Root intrusion
Other (specify below)
Pipe structural problem/failure
Root intrusion
Root intrusion
Pipe structural problem/failure

and roots
Grease, rags and debris
This failure was caused by a faulty bubbler system.
The spill was caused by a faulty bubbler switch that failed to start pumps when the waste water reached the designated le
Vandals opened manhole number 940 and dropped a broom handle into it causing debris to build up and cause a spill.

This spill was contained to the curb and gutter, sand bags were placed down stream from the spill, all water was captured
This spill was caused by a large concentration of grease in the line. These sections of sewer were last cleaned on 1/13/2C
Sycamore Creek overflowed its banks and flooded into property that pump station is located on, inundating the station wit

Root intrusion in the sewer main blocked the flow.
This spill was caused by a 6 inch test cap lodged in the 6 inch sewer main.

Sewer spill caused due to sewer gravity mainline blockage, roots.(3) sewer manholes backed up.Gravity sewer not accesi

Contractor hit 6 force main while building a new pump station
Contactor working on replacing older sewage pump station allowed excavated soil to get into the adjacent manhole and c
Construction Project in the Area
man made structure (house lateral)protruding thru the sewer main causing 80% blockage and roots that were cut from the
Combination of plastic irrigation pipe (2 Pieces) Asphalt

Force Main Failure

Broken pipe lateral.
Plugged lateral & plumber removed clean out cap to cable line.
Roots & rags.

broken property lateral on sump pump discharge line
Blockage in private lateral line and homeowner had uncapped clean out.

Supposed planned power outage by SDG & E that we never received notice of.
Tertiary Filter Unit #5 drain line coupling parted.
Possible power outage or spike. All controls were in a paused state with power.
Bad float for motor starter.

A 10 mechanical plug dislodged from construction site upstream and worked it's way into the live line.

PVC blind flange had cracked and was leaking.

Main
Other (specify below)
Other (specify below)
Main
Main
Main
Main
Main
Lower Lateral
Main
Main
Other (specify below)
Lower Lateral (Public)
Upper Lateral (Public)
ble due to environmentally sensitive area alo

Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Manhole
Force Main

aused the blockage
Main
Other (specify below)
Other (specify below)
Other (specify below)

Other (specify below)
Main
Other (specify below)
Main
Other (specify below)
Other (specify below)
Gravity Mainline
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)

Main
Main

Other (specify below)

Lower Lateral
Main
Other (specify below)
Other (specify below)

The water escaped from a clean out cap on the north side of the pump station.
The failure occurred at the pump station.

Sewer pumping station was flooded causing the station to shut down. Station had to be de-watered and dried before being

Electronic control module on pump control system failed and pumps did not start.

ng I-15 Freeway. Dificult to access due to overgrowth and protected habitat.

Pump station dry well
6" ACP force main adjacent to lift station generator vault.
6" ACP force main near dry well.
force main just outside dry well 25' deep

Public sewer pump station
Public sewer main line
irrigation line
Public sewer main line

San Gabriel Pump Station Force Main

Force Main

In back of the residence's home located at 404 Calle Vista Torito on sloped area near golf course cart path.
Overflow from clean out after clean out cap was removed.

Clean out private lateral
Grease Interceptor
discharge side of sump pump
Private clean out.

Lift Station controls

Force main failure
root intrusion at manhole joints

	6	VCP
	6	VCP
	6	VCP
	8	VCP
; put back into operation.		
	4	PVC
	6	VCP
	6	PVC
No		
No		
	12	VCP
	12	VCP
	15	
	6	ACP
	6	ACP
	4	iron
No	6	pvc
No	2	copper
		Plastic
		Plastic
	8	Ductile
No	4	Clay
No	4	PVC
No	6	VCP
No	4	PVC
No	0	N/A
No	4	
No	4	ABS
	6	
	6	Clay with Epoxy Liner
	4	ductile iron
	8	pvc
	10	PVC
	10	DIP
	16	PVC

40
29

43
43

1992
1992
25

300

1

24

360
360
360
30
60

120

45

25
30
7
10

19

Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Restored flow
Cleaned-up (mitigated effects of spill);Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit

Other (specify below)
Inspected sewer using CCTV to determine cause;Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit

Returned all or portion of spill to sanitary sewer system
Other (specify below)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Other (specify below)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Other (specify below)
Cleaned-up (mitigated effects of spill)

Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Other (specify below)
Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system

Dispatched two Vactor trucks to spill scene. The first truck arrived at 14:05 hrs to begin removal of blockage, the second
The bubbler system has been repaired and modified to prevent this problem from occurring in the future.
A pump tech arrived on scene at 1710 hours and was able to start the pumps manually, draw down the wet well and end t

The after hours duty person received a call at 5:20 pm from a customer about water flowing from a manhole on Woodpec
The first call came in at 10:45 am from a customer in the area and said that there was a manhole that had water bubbling

Emergency diesel pumps were set up to bypass pump around the pump station. One pump was running at 14:00 with the

This spill was contained in a vacant lot west of 1296 Wenatchee Ave. All contaminated water and soil was removed and r

RMWD advised of loss of flow Supervisor notified Manager and send out staff to search for sewer spill at Pankey Ranch
R.M.W.D staff sent out into habbitat to locate sewer manholes.Called in 2 Septic companies to asssit in emergency sewe
Wastewater Utility Worker II responded to high level alarm at Lift Station #2 issued by District SCADA system. Upon arriv
Spill entered standby generator vault through underground conduit, pumped to surface, percolated into porous, grassy so
Spill entered standby generator vault through underground conduit, pumped to surface, percolated into porous, grassy so

All contents of the spill soaked into the sand on the beach. Crews covered effected areas with sand.

Cleared blockage and residule soaked into the dirt on the east side of the railroad tracks. No access for equipment to cle

By- pass pump station until repairs are complete

The line is in the process of being relined with an epoxy liner.

Bermed area in front of local catch basin. Responded combination truck to vacuum from upstream manhole. Called pun
Upon arrival at plant, the flow from the filter unit was secured. Flow from spill went into the dirt along the roadway, a near

Scoop up dirt and debri into buckets, spray compound area with diluted bleach solution.

Hydro-jetted and chlorinated storm drain effected. Pressure washed street surface while vacuuming all process water and

1/10/2007 10:00

6/18/2009 12:00

12/6/2010 22:30
12/30/2010 14:00

9/26/2007 15:30
1/3/2008 11:11

1/19/2007 10:30
2/15/2007 12:00
3/16/2007 11:45
2/11/2008 12:30
2/26/2008 12:00
3/5/2008 13:20
10/3/2009 19:30
7/28/2011 11:30
10/26/2011 9:20
4/7/2012 1:45
9/27/2012 11:29

4/30/2007 16:50
3/2/2011 8:00
8/27/2013 6:30

5/1/2007 7:30
5/27/2007 21:00

11/17/2009 23:00

11/27/2010 15:30

2/25/2007 22:00

Adjusted schedule/method of preventive maintenance

Other (specify below)

Adjusted schedule/method of preventive maintenance
Other (specify below)

Plan rehabilitation or replacement of sewer;Other (specify below)
Other (specify below)

Repaired sewer
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Adjusted schedule/method of preventive maintenance
Other (specify below)
Plan rehabilitation or replacement of sewer
Other (specify below)
Plan rehabilitation or replacement of sewer
Added sewer to preventive maintenance program

Plan rehabilitation or replacement of sewer
Plan rehabilitation or replacement of sewer
Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer

Other (specify below)
Other (specify below)

Adjusted schedule/method of preventive maintenance

Repaired sewer

Adjusted schedule/method of preventive maintenance

Install locking manhole cover.

Emergency flood walls have been erected around the pump station, and we are working with various agencies to clean in

Cleaned sewer main to clear blockage. CCTV sewer main, found root intrusion, cleared roots from inside main. Will atten
Pump station pump volute failed. Pump isolated until volute can be replaced.

Contractor is to review their work practices to prevent other SSO's
Discuss actions with contractor
The house lateral that is blocking 80% of the main sewer will have to be removed
Need to video sewer line and to determine if more repair work is necesasary

System all ready on quarterly schedule. This line was cleaned 10/02/2009

Electrical Failure, repaired, tested and back on line

After reviewing the CCTV, it will be determined if the section of sever line will be rehabilited or replaced.

Will repair coupling that seperated, and assess the condition of the other 4 filter units to ensure couplings are secure.
Replace and upgrade float system, replace 2 pumps. Pump Station was replaced in 2009 and now has overflow storage

Cleaned line and removed tree roots.

No

No

No
Yes

Yes
Yes

No
No
No
No
No
No
No
No
No
No
No

No
No
No

Yes
No

No

No

No

None
None
None

N/A

None
San Luis Rey River - No visual surface impacts.

N/A

N/A
No visual impact to receiving waters.
Inaccessible dry, seasonal creek bed. Evaporation and saturation.

No effluent reached waters.

Yes

No

No
Yes

No
Yes

No
No
No
No
Yes
No
No
No
No
No
No

No
No
No

No
No

No

No

No

N/A

N/A

Ocean Beach

N/A

N/A
N/A

N/A

NA
Cyprus Shore Beach in San Clemente
NA
NA
North Beach in San Clemente
NA
NA

NA

NA
NA

NA

N/A

Mission Trails Regional Park, Kumeyaay lake

San Diego River

San Diego River
San Diego River
N/A
N/A
N/A
N/A

N/A
Drainage channel (Sandy wash)
N/A
N/A

NA
N/A
No
No
pacific Ocean
No
NA
No
N/A
Junipero Storm drainage system
Storm Drian Pipe

Alvarado Creek which runs parallel to the north side of the campus.
Alvarado Creek
None

San Vicente Creek
Unnamed tributary to San Vicente Creek

NA

NA
none
Gobanardora Creek

No water quality samples taken

No water quality samples taken

No water quality samples taken
Biological indicator(s) - specify below

Other (specify below)
Biological indicator(s) - specify below;Other (specify below)

Not applicable to this spill
No water quality samples taken
No water quality samples taken
Not applicable to this spill
No water quality samples taken
Not applicable to this spill
No water quality samples taken
No water quality samples taken
No water quality samples taken
Not applicable to this spill
Not applicable to this spill

No water quality samples taken
No water quality samples taken
No water quality samples taken

Biological indicator(s) - specify below
No water quality samples taken

No water quality samples taken

No water quality samples taken

Not applicable to this spill

Total and fecal coliforms, Eneterococcus and E-coli.

Fecal and Enteroccoci (2 100 ml bottles) Upstream and Downstream at San Luis Rey River
Ammonia as directed by Clay Clifton of Department of Environmental Health Services. Sampled San Luis Rey River upst

Testing for Coliform

No water quality samples taken

None of the above;No water quality samples taken

No water quality samples taken
County Health Agency

County Health Agency
County Health Agency

Not applicable to this spill
None of the above
None of the above
Not applicable to this spill
No water quality samples taken
Not applicable to this spill
None of the above
None of the above
No water quality samples taken
No water quality samples taken
Not applicable to this spill

None of the above
No water quality samples taken
No water quality samples taken

None of the above
None of the above

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

County of San Diego - Clay Clifton County of San Diego - Watershed Protection Program
Department of Environmental Health Services - Clay Clifton

calculated area of standing effluent in low lying area downstrem of the spill
est flow at 8 gpm (fail point hole <1/4) x 110 minutes

Visual
Visual
Calculated > 5 gpm X 58 minutes duration = 290 gallons
Visual
Guess
Visual
Visual

94446	6/18/2009 9:45
107365	12/8/2010 8:57
107768	12/22/2010 11:50
131812	3/25/2013 21:52
75395	9/5/2007 16:50
80033	1/3/2008 11:00
105322	9/4/2010 11:27
105942	10/2/2010 5:17
70414	1/19/2007 13:00
81606	2/26/2008 10:16
81846	3/5/2008 14:40
96699	10/3/2009 22:15
114471	7/28/2011 12:30
116384	6/26/2011 11:22
122045	4/7/2012 9:35
125814	9/27/2012 11:10
72641	5/1/2007 11:40
111251	3/1/2011 12:40
72643	5/1/2007 13:58
97761	11/17/2009 20:00
100004	1/1/2010 10:30
71235	2/26/2007 11:25
73391	6/4/2007 16:40

John DeDonato, Const. Sup.	6192584706
John DeDonato	6192584706

Rick Russell	7602729935
c duffy - gen man	7604794125

Ron Navarro/Collections Chief Plant Operator	9492541478
Todd Ryan/Collection Operator	9492541868
Tony Parks/Collection Operator	9492541479
Todd Ryan	9492541868
Ron Navarro	9492541478
Mike Ayer	9492795044
Tony Parks/Collections Worker II	9492541479

9SSO10697	Active	654712	Dave Seymour	Certified
9SSO10697	Active	657556	Gerre Bedell	Certified
9SSO10697	Active	707247	Daniel R. Ferons	Certified
9SSO10697	Active	711287	Gerre Bedell	Certified
9SSO10697	Active	716815	Gerre Bedell	Certified
9SSO10697	Active	740829	Gerre Bedell	Certified
9SSO10697	Active	751027	Daniel R. Ferons	Certified
9SSO10697	Active	753086	Gerre Bedell	Certified
9SSO10697	Active	771299	Gerre Bedell	Certified
9SSO10697	Active	771707	Rich Kissee	Certified
9SSO10697	Active	772264	Gerre Bedell	Certified
9SSO10697	Active	775326	Gerre Bedell	Certified
9SSO10698	Active	771271	Jon Miller	Certified
9SSO10699	Active	650242	Frederick F. Edgecomb	Certified
9SSO10699	Active	658103	Frederick F Edgecomb	Certified
9SSO10699	Active	739618	Mike Calvert	Certified
9SSO10699	Active	747199	Frederick f. Edgecomb	Certified
9SSO10699	Active	785102	Fred Edgecomb	Certified
9SSO10699	Active	789599	Fred Edgecomb	Certified
9SSO10699	Active	797929	Fred Edgecomb	Certified
9SSO10700	Active	729287	Rita Geldert	Certified
9SSO10700	Active	755016	Rita Geldert	Certified
9SSO10700	Active	758941	Rita Geldert	Certified
9SSO10700	Active	782608	Patrick Johnson	Certified
9SSO10700	Active	789893	Patrick Johnson	Certified
9SSO10703	Active	653618	Joseph N. McDivitt	Certified
9SSO10703	Active	723712	Joshep McDivitt	Certified
9SSO10703	Active	726412	Joseph N. McDivitt	Certified
9SSO10703	Active	738414	Joseph N. McDivitt	Certified
9SSO10703	Active	739585	Joseph N. McDivitt	Certified
9SSO10703	Active	756890	Joseph N. McDivitt	Certified
9SSO10703	Active	757484	Joseph N. McDivitt	Certified
9SSO10703	Active	766627	Joseph N. McDivitt	Certified
9SSO10703	Active	774357	Joseph N. McDivitt	Certified
9SSO10703	Active	778525	Joseph McDivitt	Certified
9SSO10703	Active	787110	Joseph N. McDivitt	Certified
9SSO10703	Active	788140	Jospeh N. McDivitt	Certified
9SSO10703	Active	797132	Joseph N. McDivitt	Certified
9SSO10703	Active	799127	Joseph N. McDivitt	Certified
9SSO10703	Active	799130	Joseph N. McDivitt	Certified
9SSO10706	Active	648326	Al Javier	Certified
9SSO10706	Active	649690	Al Javier	Certified
9SSO10706	Active	650243	Jayne Joy	Certified
9SSO10706	Active	650245	Jayne Joy	Certified
9SSO10706	Active	652557	Jayne Joy	Certified
9SSO10706	Active	653416	Jayne Joy	Certified
9SSO10706	Active	708785	Al Javier	Certified
9SSO10706	Active	714144	Jayne Joy	Certified
9SSO10706	Active	715181	Jayne Joy	Certified
9SSO10706	Active	715182	Al Javier	Certified
9SSO10706	Active	719360	Jayne Joy	Certified
9SSO10706	Active	732099	Jayne Joy	Certified
9SSO10706	Active	732128	Jayne Joy	Certified
9SSO10706	Active	732789	Al Javier	Certified
9SSO10706	Active	739969	Jayne Joy	Certified

Director of Operations
Superintendent
Chief Engineer
Superintendent
Operations Superintendent
Operations Superintendent
Chief Engineer
superintendent
Operations Superintendent
Superintendent
Operations Superintendent
Operations Superintendent
Collections Supervisor
Water reclamation Manager
Water Reclamation Manager
Operations Project Manager
Water Reclamation Manager
Water Reclamation Manager
Water Reclamation Manager
Water Reclamation Manager
City Manager
City Manager
City Manager
District Manager
District Manager
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Director of Operations
Env. Srv. Mngr.
Env. Srv. Mngr.
Director, Environmental Compliance
Director, Environmental Compliance
Director, Environmental & Regulatory Compliance
Director, Environmental & Regulatory Compliance
Env. Srv. Mngr.
Director, Environmental & Regulatory Compliance
Director, Environmental & Regulatory Compliance
Env. Srv. Mngr.
Director, Environmental & Regulatory Compliance
Director
Director, Environmental & Regulatory Compliance
Env. Srv. Mngr.
Director, Environmental & Regulatory Compliance

Rancho Santa Margarita	679147
Santa Margarita Water District	844050
Rancho Santa Margarita, CA	664670
Santa Margarita Water District	665027
Santa Margarita Water District	504500
Santa Margarita Water District	975076
Santa Margarita Water District	303835
Santa Margarita Water District	758985
sant Margarita water District	356068
SMWD	383920
Santa Margarita Water District	446933
Santa Margarita water District	294729
Ramona, CA	766079
26266 washington Ave Murrieta CA	468747
26266 Washington Ave Murrieta, CA	166215
RCWD	465284
Murrieta, CA	331642
Murrieta, CA	530443
Murrieta, CA	873396
Murrieta, CA	694021
Vista	687856
City of Vista	655283
City of Vista	421036
Vista	942835
Vista	555971
Laguna Beach, CA	208961
Laguna Beach, CA	558247
Laguna Beach, CA	925068
Laguna Beach, CA	516450
Laguna Beach, CA	124633
Laguna Beach	293842
Laguna Beach	319922
Laguna Beach	885618
Laguna Beach	943928
Laguna Beach, CA	449601
Laguna Beach	575723
Laguna Beach, CA	383399
Laguna Beach	980133
Laguna Beach	883641
Laguna Beach	676428
EMWD OMC	470393
EMWD OMC	632873
Perris, CA	505107
Perris, CA	858389
Perris, CA	562267
Perris, CA	258205
EMWD OMC	369101
Perris, CA	788987
Perris, CA	779764
EMWD OMC	332530
Perris, CA	451956
Perris, CA	863651
Perris, CA	233741
EMWD OMC	548916
Perris, CA	400643

25-Jul-07		7-Aug-07	8/7/2007
17-Sep-07		28-Sep-07	10/24/2008
6-Nov-07		19-Nov-07	11/19/2007
16-Jan-08		25-Jan-08	1/25/2008
30-Apr-08		5-May-08	12/2/2010
8-Jul-09		5-Aug-09	12/3/2010
26-Mar-10		9-Apr-10	4/9/2010
7-Jun-10	6/7/2010	15-Jun-10	6/15/2010
21-Sep-11	9/21/2011	29-Sep-11	9/29/2011
4-Oct-11	10/4/2011	10-Nov-11	11/10/2011
21-Oct-11	10/21/2011	26-Oct-11	10/26/2011
4-Jan-12	1/4/2012	11-Jan-12	1/11/2012
20-Sep-11	9/20/2011	3-Oct-11	10/3/2011
7-May-07		17-May-07	2/3/2011
27-Sep-07		8-Oct-07	2/3/2011
19-Jun-09		19-Jun-09	6/19/2009
30-Nov-09		25-Jan-10	1/25/2010
14-Aug-12	8/16/2012	20-Aug-12	8/20/2012
3-Jan-13	1/3/2013	6-Mar-13	3/6/2013
15-Aug-13	8/15/2013	27-Aug-13	8/27/2013
15-Nov-08		21-Nov-08	11/21/2008
15-Jul-10	7/15/2010	15-Jul-10	7/15/2010
29-Nov-10	11/29/2010	30-Nov-10	11/30/2010
28-Jun-12	6/28/2012	28-Jun-12	6/28/2012
8-Jan-13	1/8/2013	8-Jan-13	1/8/2013
6-Jul-07		9-Jul-07	7/10/2007
29-Jul-08		29-Jul-08	2/2/2011
16-Sep-08		17-Sep-08	9/17/2008
2-Jun-09		3-Jun-09	6/3/2009
18-Jun-09		19-Jun-09	6/19/2009
20-Sep-10	9/20/2010	20-Sep-10	9/20/2010
11-Oct-10	10/11/2010	11-Oct-10	10/11/2010
17-May-11	5/17/2011	17-May-11	5/17/2011
20-Dec-11	12/20/2011	20-Dec-11	12/20/2011
8-Mar-12	3/8/2012	14-Mar-12	4/9/2012
10-Oct-12	10/11/2012	11-Oct-12	10/11/2012
15-Nov-12	11/15/2012	19-Nov-12	11/19/2012
23-Jul-13	7/23/2013	23-Jul-13	7/23/2013
26-Sep-13	9/26/2013	26-Sep-13	9/26/2013
26-Sep-13	9/26/2013	26-Sep-13	9/26/2013
23-Mar-07		26-Mar-07	12/27/2010
23-Apr-07		26-Apr-07	12/27/2010
7-May-07		8-May-07	5/8/2007
7-May-07		8-May-07	5/8/2007
21-Jun-07		22-Jun-07	6/22/2007
2-Jul-07		3-Jul-07	7/3/2007
6-Dec-07		10-Dec-07	12/27/2010
28-Feb-08		6-Mar-08	3/6/2008
21-Mar-08		21-Mar-08	3/21/2008
21-Mar-08		24-Mar-08	12/27/2010
11-Jun-08		25-Jul-08	7/25/2008
16-Jan-09		20-Jan-09	1/20/2009
19-Jan-09		20-Jan-09	4/1/2009
29-Jan-09		29-Jan-09	12/27/2010
25-Jun-09		9-Jul-09	7/9/2009

Category 3		100	100
Category 1		10000	50
Category 3		500	500
Category 2		1314000	1314000
Category 1		900	890
Category 1		900	900
Category 1		2296331	1425072
Category 1		150	150
Category 1		1050	1050
Category 2		6600	0
Category 3		23	22
Category 1		2350	2350
Category 3		20	0
Category 2		157500	0
Category 1		151000	1900
Category 3		250	0
Category 3		100	100
Category 2		7500	7500
Category 3		845	0
Category 1		7500	6000
Category 1		86800	35600
Category 3		530	0
Category 3		375	375
Category 3		5	5
Category 1		800	800
Category 3		40	40
Category 1		20	0
Category 3		15	15
Category 3		600	600
Category 3		5	5
Category 1		525	50
Category 3		50	50
Category 1		5031	400
Category 2		1200	0
Category 3		400	50
Category 1		1600	200
Category 3		200	200
Category 1		660	100
Category 3	300	300	300
Category 3	520	520	520
Category 1		300	200
Category 1		915	400
Category 3		200	200
Category 3		300	0
Category 3		100	100
Category 1		1000	50
Category 1		81500	80000
Category 3		2	0
Category 3		50	50
Category 1		10250	8000
Category 3		50	0
Category 1		350	100
Category 1		15750	0
Category 1		1500	1050
Category 1		4200	200

	No	No
9950	Yes	Yes
	No	No
0	No	No
30	Yes	Yes
900	Yes	Yes
871259	Yes	Yes
150	Yes	Yes
1050	Yes	Yes
0	No	No
0	No	No
2350	Yes	Yes
0	No	No
0	No	No
49100	Yes	Yes
0	No	No
0	No	No
0	No	No
0	No	No
1500	No	No
51200	Yes	Yes
0	No	No
0	No	Yes
0	No	No
800	Yes	Yes
	No	No
20	Yes	Yes
0	No	No
0	No	Yes
0	No	No
475	Yes	Yes
0	No	No
4631	Yes	Yes
0	No	No
0	No	Yes
1400	Yes	Yes
0	No	Yes
560	Yes	Yes
0	No	No
0	No	No
100	No	Yes
515	No	Yes
	No	No
	No	No
	No	No
950	Yes	No
1500	Yes	No
	No	No
0	No	No
2250	Yes	Yes
0	No	No
250	Yes	Yes
15750	Yes	No
450	No	Yes
4000	Yes	No

Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Yes
No
Yes
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Yes
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe

Trabuco Lift Station
Talega Force Main
Meadow Ridge Lift Station
Single Family Residence
Plano Lift Station
Intersection of Olympiad and Applegate Mission Viejo ca.
Plano Lift Station
Casta Del Sol Golf Course
easement line
Behind 31682 Via Coyote, Coto De Caza,
Casta Del Sol houising tract
Meadowbrook
Archie Moore Rd Aprox 230' North of Petrolia Ct
Monroe Avenue
LEEWAYS FREEWAY
Force Main, Rancho Mirlo Rd. xst Jerome Ln.
Winchester Rd. & Remington Ave.
Diaz Rd. & Cherry St.
Santa Rosa WRF
Leeway's Freeway Manhole # 1456
AVOCADO DRIVE
BUENA CREEK PUMP STATION - S MELROSE DRIVE
YETTFORD ROAD
FARADAY AVENUE
1959 YETTFORD ROAD
34081 Street of the Ruby Lantern
San Mareno Place, Dana Point, CA
33333 Golden Lantern, Dana Point, CA
33242 Acapulco in Dana Point
MH C395
54 North La Senda
33333 Acapulco Drive
3 North La Senda Drive
Toovet Trail - South Laguna Beach
31561 Table Rock Drive
La Cresta Drive
MH S860 - Seven Seas Drive
Lift Station 8 Air-Vac
30872 South Coast Highway
34791 Calle Loma
Auld Rd. and Pourroy Rd., Murrieta
Badger Way & Peacock Place
Pourroy Rd & Auld Rd., Winchester
Winchester Rd & Stetson Ave, Winchester
Foxtail Dr and Clinton Keith, Murrieta, CA 92563
Sky Canyon Rd & Auld Rd
Diaz 10 Force Main
39405 Murrieta Hot Springs Rd., Murrieta
39405 Murrieta Hot Springs Rd.
47445 Badger Way, Temecula
Diaz Lift Station
27293 Cresta Del Norte, Murrieta
Pala Lift
27843 Winter Grove Way, Murrieta
Pala Lift

33.62	-117.67	Orange
33.462778	117.575833	Orange
33.666667	117.616667	Orange
33.656389	117.643889	Orange
33.618611	-117.616667	Orange
33.633347	-117.633393	Orange
33.59089	-117.62666	Orange
33.619444	-117.644444	Orange
33.64137	-117.64463	Orange
33.619444	-117.763333	Orange
33.613278	-117.641436	Orange
33.615556	-117.638608	Orange
33.02725	-116.95724	San Diego
33.55843	-117.19595	Riverside
33.559444	-117.198119	Riverside
33.580409	-117.25206	Riverside
33.939444	-117.379722	Riverside
33.52093	-117.17955	Riverside
33.5301	-117.18858	Riverside
33.56875	-117.2102	Riverside
33.002277	117.004103	San Diego
33.15182	-117.24198	San Diego
33.383056	-117.316389	San Diego
33.08345	-117.14974	San Diego
33.17414	-117.22065	San Diego
33.49	117.724444	Orange
33.466389	-117.704444	Orange
33.487778	117.706111	Orange
33.48	-117.702222	Orange
33.460083	-117.654806	Orange
33.492731	-117.738222	Orange
33.479167	-117.698333	Orange
33.490431	-117.737478	Orange
33.5087	-117.74369	Orange
33.50344	-117.74646	Orange
33.46914	-117.70297	Orange
33.49197	-117.72909	Orange
33.4802	-117.702	Orange
33.51535	-117.7554	Orange
33.45715	-117.66415	Orange
33.583611	-117.099444	Riverside
33.467778	-117.106111	Riverside
33.583611	117.099444	Riverside
33.729167	117.076389	Riverside
33.599167	117.121389	Riverside
33.582222	117.130278	Riverside
33.504167	-117.167222	Riverside
33.556389	117.154444	Riverside
33.556389	117.154444	Riverside
33.467777	-117.105556	Riverside
33.502222	117.156944	Riverside
33.54239	117.1414	Riverside
33.475	-117.139722	Riverside
33.69347	-117.1746	Riverside
33.475	-117.13972	Riverside

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Trabuco Lift Station
Adjacent to Crisitianos Road three quarters of a mile north Avenida Pico Thomas guide 973-e-6
Meadow Ridge Lift Station
4"Private sewer lateral from residence
Occured at Plano Lift Station on asphalt around manhole.
Intersection of Olympiad and Applegate manhole # 766.00
Spill occured approximately 240 feet easterly of Plano Lift Station adjacent to Tijeras Creek in a slope between the creek
spill was originated from manhole # 622.36on Via Prados and entered the storm drain. when roots were cleared additiona
Spill coming from manhole on easement line between Cosala and Margurite on walking path.
Spill took place on our easement line behind the 31682 which is a natural field. Not developed
from manhole
in front of 25031 Meadowbrook M.V.

Northeast of Monroe Ave on paved access road to California Oaks apartments. 100 yards down access road, down dirt e
On right-0f-way NW of 24225 Monroe Ave
Force Main and Air Vac are located in front of 23072 Rancho Mirlo Rd.
Intersection of Winchester Rd. and Remington Ave.

AWT Clarifier scum pit.
Easement running parallel to Interstate 15 cross street of Calfornia Oaks Rd.

SPILL COMING FROM MANHOLE AT BUENA CREEK PUMP STATION
SPILL COMING FROM MANHOLE 188
SEWER RELEASED FROM AIR VAC DURING THE RE-CHARGE OF THE FORCE MAIN
SPILL WAS COMING FROM MANHOLE #186 ON YETTFORD ROAD
Dana Point Service Area Manhole no. 86
Between Ruby Lantern and Granada in Dana Point
In front of Dana Hills High School in Dana Point, CA
Spill came out of the air vacuum release vault and drained into the nearby storm drain. After entering the storm drain gra
Sewer manhole in street
Drop manhole leading to sewer tunnel
Air/vac valve in vault on Acapulco Drive
District MH S-993 in front of 3 North La Senda Drive.
Sewer easement along Toovet Trail in Aliso & Wood Canyons Wilderness Park
6-inch drop to tunnel within street manhole
Manhole D74 at intersection of La Cresta Drive and La Serena Drive.
MH S860 in Intersection of Seven Seas Drive and Adriatic Drive in Dana Point
Air-vac vault structure on District sewage force main
Grease interceptor in restaurant parking lot overflowed.
Blockage cause sewage to overflow from private cleanout.
Auld Rd., East of Pourroy Rd., Murrieta
Wolf Valley easement

Manhole

Diaz 10 Force Main
39405 Murrieta Hot Springs Rd., Murrieta
39405 Murrieta Hot Springs Rd.
47445 Badger Way, Temecula

Manhole located along Temecula Creek

Manhole located along Temecula Creek

: and the adjacent sports park.
l sewage spilled from manhole #597.35

mbankment 50 yards to sewer manhole

ıte, water flowed to a nearby storm drain

1
1

Pump station
Force main or pressure sewer
Pump station
Other (specify)
Manhole
Gravity sewer
Force main or pressure sewer
Manhole
Gravity sewer
Gravity sewer;Manhole
Gravity sewer;Manhole
Manhole
Other (specify)
Manhole
Manhole
Force main or pressure sewer
Gravity sewer;Manhole
Force main or pressure sewer
Pump station
Manhole
Gravity sewer
Manhole
Manhole
Other sewer system structure
Manhole
Manhole
Other (specify)
Manhole
Other sewer system structure
Manhole
Manhole
Other sewer system structure
Manhole
Manhole
Manhole
Manhole
Manhole
Other sewer system structure
Other sewer system structure
Lateral Clean Out (Private)
Other sewer system structure
Manhole
Other sewer system structure
Manhole
Manhole
Manhole
Force main or pressure sewer
Manhole
Manhole
Manhole
Other sewer system structure
Manhole
Manhole
Manhole
Manhole

Spill was subterranean never reached surface.

spill was coming out of the slope about 50' above the creek on east side.

Air Valve

Spill was inside the facility and consisted of treated but not disinfected secondary effluent

SPILL COMING FROM MANHOLE B01124.00
SPILL COMING FROM MANHOLE #188
SEWER SPILL CAME FROM AIR VACUUM RELEASE VALVE LOCATED ON THE FORCE MAINLINE. THE PRESSUI
SPILL COMING FROM MANHOLE #186

storm drain

Unknown blockage caused drop manhole to overflow across private driveway and enter storm drain.
Air/vac vault cover (manhole)
Spill overflowed from asphalt paving covering buried manhole.
Sewer manhole in easement along Toovet Trail in Aliso & Wood Canyons Wilderness Park

Failure of corroded 2-inch copper pipe connecting air-vac to force main.
Grease interceptor in restaurant parking lot overflowed.
Blockage cause sewage to overflow from private cleanout.
1 Air Vac

1 Air Vac Line

Manholes: 05299 & 05284

MH 00305
Air Vac

Other (specify below)
Other (specify below)
Other paved surface
Other (specify below)
Surface water
Other (specify below)
Beach;Surface water;Other (specify below)
Other (specify below)
Other (specify below)
Unpaved surface
Other paved surface;Street/curb and gutter
Surface water;Other (specify below)
Other paved surface
Other (specify below)
Unpaved surface
Unpaved surface
Street/curb and gutter
Other (specify below)
Unpaved surface
Other (specify below)
Other paved surface;Storm drain;Surface water
Unpaved surface;Other (specify below)
Other paved surface;Separate storm drain;Street/curb and gutter;Unpaved surface
Street/curb and gutter
Combined storm drain (combined CS only);Separate storm drain;Street/curb and gutter;Unpaved surface
Street/curb and gutter
Separate storm drain
Other paved surface
Storm drain;Street/curb and gutter
Street/curb and gutter
Beach
Street/curb and gutter
Separate storm drain;Street/curb and gutter;Surface water
Unpaved surface
Separate storm drain;Street/curb and gutter;Unpaved surface
Separate storm drain;Street/curb and gutter;Surface water
Separate storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter;Surface water
Paved Surface
Drainage Channel;Other (specify below);Paved Surface;Separate Storm Drain;Street/Curb and Gutter
Separate storm drain;Street/curb and gutter
Other paved surface;Separate storm drain;Street/curb and gutter;Unpaved surface;Other (specify below)
Unpaved surface
Unpaved surface
Unpaved surface
Other (specify below)
Other (specify below)
Unpaved surface
Street/curb and gutter
Separate storm drain;Street/curb and gutter;Unpaved surface
Other paved surface
Storm drain
Surface water
Separate storm drain;Street/curb and gutter;Other (specify below)
Surface water

Spill stayed on site and was recovered.
Cristianitos Creek (dry creek bed)
Spill pooled in a low lying paved area on access road to private property at the end of Meadow Ridge Drive
Spill was subterranean and appeared to re-enter the sewer system. The soil was clay and appeared to hold all liquid that
into Tijeras Creek
Final destination was Oso Creek Barrier Pump station. Station was fully operational at time of spill. Barrier pump station
Spill entered Tijeras Creek above the confluence with Trabuco Creek, Trabuco Creek is tributary to San Juan Creek and
150 gallons reached Oso Creek and was captured at the Barrier pump Station downstream of the spill site. the Barrier Pu
Spill enters storm drain, storm drain empties into Oso creek and all water in Oso Creek is captured at Oso Barrier pump s
Natural grassy/ meadow.

spill reached Oso Creek then returned to Oso Treatment Plant by Barrier Punp Station that captured all creek flow

Large sand trap/detention basin

Spill was contained in a trench.

Storm Water Detention Basin

SPILL RAN INTO & WAS CONFINED TO THE CONTAINMENT AREA THAT WAS DESIGNED TO CAPTURE ANY SPI
THE SPILL COMING FROM MANHOLE #188 INTO STREET, CURB & GUTTER & INTO A SEPARATE STORM DRAIN
RELEASE OF SEWER ONTO SIDEWALK & SMALL AMOUNT IN GUTTER. CREW NOTICED SPILL IMMEDIATELY &
SPILL EXITED MANHOLE & ONTO STREET, CURB & GUTTER & THEN MADE ITS WAY TO THE STORM DRAIN. TH

Spill overflowed out of manhole and onto the street. It was fully recovered.
District crew washed & vacuumed up approx 400 gal of sewage from the air vac vault & curb & gutter. Two combination
Sewage bubbled out of manhole onto street asphalt surrounding manhole.
Overflow from clogged manhole ran across private driveway and entered storm drain. Storm drain runs to beach.
Very small amount of sewage spilled onto street surface, was collected & returned to collection system.
Spill overflowed from asphalt paving covering buried manhole across pavement to storm drain and out to ocean.
Sewer manhole overflowed onto bare ground in easement along Toovet Trail in Aliso & Wood Canyons Wilderness Park
Sewage spilled out of manhole onto street surface and into storm drain. Storm drain outlet empties onto sand at base of
Sewage overflowed from manhole into street curb & gutter and into storm drain that empties into Dana Point Harbor
Spill overflowed from manhole across street surface to nearby storm drain, but entire spill was collected from storm drain
Overflow ran across street to curb & gutter and travelled down to storm drain catch basin, then through storm drain to Sal
Sewage overflowed from grease interceptor in restaurant parking lot, but was collected before it could enter the storm dra
Sewage overflowed from cleanout across pavement to curb & gutter, entered storm drain and flowed to drainage channel

enclosed easement, across private property @ 45435 Peacock Pl (driveway) into the street/curb and stormdrain

Field next to the road.

Tucaloca Creek (Dry)
Concrete Storm Channel; Spill was bermed and contained within the storm channel, only losses came from percolation th

Dried within lift station grounds

Spill entered a stormdrain and then into an inaccessible earthened catch basin.

7/24/2007 20:30	7/24/2007 20:15	7/24/2007 20:30	7/24/2007 20:37
9/14/2007 0:00	9/14/2007 9:20	9/14/2007 9:30	9/14/2007 9:40
11/3/2007 17:00	11/3/2007 17:10	11/3/2007 17:30	11/3/2007 17:35
2/1/1996 0:00	1/12/2008 8:00	1/12/2008 9:00	1/12/2008 12:00
4/30/2008 10:00	4/30/2008 10:00	4/30/2008 10:00	4/30/2008 10:02
7/8/2009 0:00	7/8/2009 8:45	7/8/2009 0:00	7/8/2009 9:30
3/23/2010 0:00	3/23/2010 16:03	3/23/2010 16:14	3/26/2010 20:00
6/6/2010 0:00	6/6/2010 10:15	6/6/2010 10:30	6/6/2010 13:00
9/18/2011 0:00	9/18/2011 18:45	9/18/2011 19:30	9/18/2011 21:30
10/1/2011 0:00	10/2/2011 8:00	10/2/2011 8:40	10/2/2011 10:10
10/20/2011 15:45	10/20/2011 16:00	10/20/2011 16:15	10/20/2011 16:30
12/31/2011 0:00	12/31/2011 12:40	12/31/2011 13:00	12/31/2011 13:15
9/20/2011 9:25	9/20/2011 9:30	9/20/2011 9:30	9/20/2011 9:28
5/5/2007 5:07	5/5/2007 5:07	5/5/2007 5:07	5/6/2007 6:07
9/25/2007 16:30	9/25/2007 16:30	9/25/2007 17:50	9/26/2007 9:36
6/18/2009 13:30	6/18/2009 14:30	6/18/2009 14:45	6/18/2009 14:30
11/30/2009 13:45	11/30/2009 13:55	11/30/2009 13:50	11/30/2009 13:55
8/13/2012 0:00	8/13/2012 10:45	8/13/2012 11:15	8/13/2012 2:15
1/2/2013 17:20	1/2/2013 17:20	1/2/2013 17:40	1/2/2013 17:22
8/13/2013 15:00	8/13/2013 15:15	8/13/2013 15:15	8/13/2013 17:00
11/13/2008 15:00	11/14/2008 15:16	11/14/2008 15:41	11/15/2008 21:47
6/30/2010 8:10	6/30/2010 8:10	6/30/2010 8:36	6/30/2010 9:03
11/25/2010 0:00	11/25/2010 10:45	11/25/2010 11:15	11/25/2010 11:50
6/19/2012 1:45	6/19/2012 1:45	6/19/2012 1:45	6/19/2012 1:45
1/7/2013 0:00	1/7/2013 18:39	1/7/2013 19:20	1/7/2013 18:20
7/5/2007 9:45	7/5/2007 9:50	7/5/2007 10:00	7/5/2007 10:10
7/24/2008 10:35	7/24/2008 10:35	7/24/2008 10:35	7/24/2008 10:36
9/15/2008 7:15	9/15/2008 7:15	9/15/2008 7:15	9/15/2008 7:30
5/24/2009 10:40	5/24/2009 10:40	5/24/2009 10:55	5/24/2009 11:10
6/10/2009 21:20	6/10/2009 21:20	6/10/2009 21:35	6/10/2009 21:25
9/18/2010 0:00	9/18/2010 16:47	9/18/2010 17:15	9/18/2010 17:15
10/6/2010 0:00	10/6/2010 15:00	10/6/2010 15:05	10/6/2010 15:10
5/12/2011 0:00	5/12/2011 7:30	5/12/2011 7:50	5/12/2011 8:15
12/16/2011 0:00	12/16/2011 16:21	12/16/2011 16:45	12/16/2011 18:20
3/8/2012 10:46	3/8/2012 10:46	3/8/2012 11:00	3/8/2012 11:05
10/9/2012 0:00	10/9/2012 7:50	10/9/2012 8:00	10/9/2012 8:05
11/14/2012 9:50	11/14/2012 9:50	11/14/2012 10:15	11/14/2012 10:25
7/22/2013 0:00	7/22/2013 7:32	7/22/2013 8:00	7/22/2013 8:05
9/23/2013 11:45	9/23/2013 11:50	9/23/2013 12:05	9/23/2013 12:20
9/18/2013 14:07	9/18/2013 14:07	9/18/2013 14:20	9/18/2013 14:33
3/20/2007 9:15	3/20/2007 9:15	3/20/2007 9:40	3/20/2007 11:45
4/18/2007 8:16	4/18/2007 8:16	4/18/2007 8:45	4/18/2007 9:10
5/4/2007 20:30	5/4/2007 21:00	5/4/2007 21:45	5/4/2007 22:30
5/5/2007 14:35	5/5/2007 14:35	5/5/2007 15:00	5/5/2007 15:13
6/20/2007 12:30	6/20/2007 12:51	6/20/2007 13:00	6/20/2007 15:30
6/30/2007 11:00	6/30/2007 11:00	6/30/2007 11:45	6/30/2007 12:00
12/4/2007 14:30	12/4/2007 14:30	12/4/2007 15:00	12/4/2007 15:30
2/27/2008 15:18	2/27/2008 15:18	2/27/2008 15:45	2/27/2008 16:00
3/19/2008 10:15	3/19/2008 10:15	3/19/2008 10:45	3/19/2008 10:45
3/19/2008 16:30	3/19/2008 16:30	3/19/2008 18:00	3/19/2008 18:00
6/11/2008 12:47	6/11/2008 12:47	6/11/2008 12:47	6/11/2008 12:48
1/16/2009 0:00	1/16/2009 13:43	1/16/2009 14:10	1/16/2009 14:53
1/17/2009 0:00	1/17/2009 11:45	1/17/2009 12:30	1/17/2009 13:30
1/24/2009 0:00	1/24/2009 9:20	1/24/2009 10:00	1/24/2009 11:01
6/25/2009 0:00	6/25/2009 8:26	6/25/2009 8:26	6/25/2009 9:03

Other (specify below)
Pipe structural problem/failure
Pump station failure
Pipe structural problem/failure
Operator error
Root intrusion
Pipe structural problem/failure
Root intrusion
Grease deposition (FOG)
Other (specify below)
Pump station failure
Other (specify below)
Other (specify below)
Vandalism
Grease deposition (FOG)
Pipe structural problem/failure
Debri-Rags
Pipe structural problem/failure
Flow exceeded capacity (Separate CS Only)
Vandalism
Other (specify below)
Pipe structural problem/failure
Root intrusion
Other (specify below)
Root intrusion
Root intrusion
Other (specify below)
Other (specify below)
Other (specify below)
Root intrusion
Debri-General
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Debri-General
Root intrusion
Other (specify below)
Pipe structural problem/failure
Grease Deposition (FOG)
Root Intrusion
Pipe structural problem/failure
Vandalism
Other (specify below)
Other (specify below)
Debris
Pump station failure
Other (specify below)
Other (specify below)
Root intrusion
Vandalism
Pipe structural problem/failure
Vandalism
Pipe structural problem/failure
Vandalism
Pump station failure

Pump station failure due to power outage, emergency transfer switch failure.

Pumps did not operate due to pump control failure spill occurred at lowest manhole.
Lateral was never connected at the main.
Debris door was opened accidently while dumping load from Vactor.

24 ductile iron forcemain ruptured. Investigation into the pipe failure is ongoing.

Found a 4 x6 piece of clay pipe in the line.

cause has been undeterminded at this time, some grease,some roots ,retreived womens clothing.
Air valve malfunction

2 inch copper tubing leading to air vac failed.

While contractor was excavating the forcemain for an air-vac replacement project the air-vac line failed.

Rocks had been dropped through a manhole to block the sewer
DAMAGED PIPE BY UNREPORTED TRAFFIC COLLISION CONFIRMED BY CHP
PIPE WAS ERODED AWAY DUE TO AN UNKNOWN SUBSTANCE BEING DISCHARGED INTO MANHOLE 124 & SU
ROOTS & A LOT OF PAPER
SEWER SPILL CAME FROM AIR VACUUM RELEASE VALVE LOCATED ON THE FORCE MAINLINE. THE PRESSU
ROOTS IN THE CITY'S MAINLINE AT DISPLACED JOINT CAUSED THE SPILL

automobile ran over the by-pass line hose causing it to leak
Air vac leaked wastewater due to an obstruction on the shut off valve
Air vac valve failed
Root mass was apparently dislodged from private sewer lateral and caused partial obstruction of manhole channel resulti
Unknown type of debris clogged drop manhole leading to sewer tunnel.
Internal mechanical failure of air/vac valve, caused air/vac to stick in open postition, filling the vault with sewage.
Contractor dislodged temporary cover (steel plate) while paving and allowed hot asphalt to enter sewer manhole.

District crews were unable to recover debris, so blockage material is unknown.
Root ball dislodged by residential plumbing contractor was allowed to flow downstream and block sewer main.
Root ball cut out of private lateral by plumbing contractor was allowed to enter the sewer main.
Failure of corroded 2-inch copper pipe connecting air-vac to force main.
Restaurant did not pump out grease interceptor which allowed sewage to build up and overflow.
Roots cut from private lateral caused blockage in sewer main that backed up and overflowed from cleanout across paven

Contractor grading road hit 1 Air Vac line.
12 screw plug found in the line.
Construction Debris
Contractor By-Pass Pump Failed
Construction activity, contractor while excavating damaged force main
FOG & Root Intrusion; in addition, the upper manhole has debris.

Large Rocks, Wood debris and pipes thrown down a manhole.
Air Vac Failed while testing back-up pump. EMWD personnel on-site during release and shut off pump and Air Vac.
Asphalt pieces found in manhole.

Other (specify below)
Main
Main

Main
Main
Main
Main
Other (specify below)
Main
Main

Main
Other (specify below)
Other (specify below)
Main
Main
Main
Main
Other (specify below)
Main

Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Main
Main
Main
Main
Main
Other (specify below)
Other (specify below)
Gravity Mainline
Other (specify below)
Other (specify below)

Other (specify below)

Other (specify below)
Other (specify below)
Main
Main
Other (specify below)
Main

spill occurred from collection truck debis door

pipe had seperation on easement line on slpoe. appeared over time pipe moved down hill to cause a 2" seperation. intrus

Air Valve on Force main

Air-vac connection piping.
Flow control meter at AWT feed pumps.

FAILURE OF PIPE AT MANHOLE B01124.00

AIR VACUUM RELEASE VALVE

by-pass line fitting
Air vac
Air vac vault
Root mass was apparently dislodged from private sewer lateral and caused partial obstruction of manhole channel resulti
Unknown type of debris clogged drop manhole leading to sewer tunnel.
Internal mechanical failure of air/vac valve, caused air/vac to stick in open postition, filling the vault with sewage.
Asphalt set up inside channel and caused back and surcharge until manhole overflowed.

Blockage occured about 60 feet below street surface in 6-inch drop main within manhole that connects to sewer tunnel.
Root ball dislodged by residential plumbing contractor caused flow blockage in sewer main.
Root ball cut out of private lateral by plumbing contractor was allowed to enter the sewer main, causing blockage betweer
Corroded 2-inch copper pipe connecting air-vac to force main.
Grease interceptor in restaurant parking lot,

Force Main
blockage near manhole

Force Main

Manhole structure.
Air Vac

blockage near manhole

	16	pvc c-905
	4	pvc
	8	VCP
	24	DIP
	8	VCP
	8	VCP
	8	VCP
ion of roots caused blockage	8	pvc
	8	pvc
	15	pvc
	12	vcp
	8	copper
	8	VCP
	2	copper
	12	Clay
	8	DUCTILE IRON
	8	VCP
	6	VCP
ng in overflow.	6	VCP
	6	PVC
	2	
	8	VCP
	6	HTPE
	6	
	6	PVC
n MH S860 and MH S861.	8	PVC
	2	copper
No		
No		

18

18

22
21
38
36
30
34
26

19
25
8
12
20

25
42

2

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill)
Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Inspected sewer using CCTV to determine cause;Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Restored flow

Responded to station alarm. Switched to 10-inch force main. Set up Vactor and recovered 50 gallons. Cleaned area.

Installed 2' section to reconnect lateral to main.

Starting by 5:00 pm on Tuesday 3/24, utilized up to 21 Vacuum trucks working 24 hours a day at various locations to capt

Determined from ccctv line is flat with sags. Will add to trouble spot list to cleaned/inspect every 6 months.

blockage freeed itself before crew arrived, cleaned line and washed down street collected wash down with vactor,confirm

PUMPING OPERATIONS TAKING PLACE WITH THE USE OF BYPASS PUMPS
FLOW WAS BYPASSED UNTIL CONTRACTOR (SANCON) CAME TO REPAIR THE PIPE BY LINING THE PIPE. THE
THE LINE WILL BE TELEVISED (11/30/2010)
SPILL WAS CONTAINED BY CREWS USING DIRT TO ABSORB THE SEWER FROM THE SIDEWALK, CURB & GUT
FIRE DEPARTMENT WAS FIRST ON SCENE & REPORTED WHEN THEY ARRIVED AT 1820 HRS THAT THE MANH
Used sand bags to contain spill in curb & gutter. One combination vacuum truck was used to contain the spill and collect

District crews used the combination truck to vacuum the sewage from inside the air vac vault. Upon inspection the crew
Jetted sewer main from upstream manhole to downstream manhole after blockage was removed.
SCWD crew used vacuum truck to collect sewage in manhole while 4 six-foot extension poles with a hook at the end wer
Crews used a combination truck to vacuum down sewage level inside the air/vac vault while another combination truck w
Contained overflow, removed asphalt from manhole, replaced siphon (p-trap) in sewer drop to tunnel, restored flow, wash
District crews used an easement sewer line cleaning machine to remove blockage and restore flow.
Set up sandbags to block further sewage from entering storm drain, used jetter to dislodge blockage in 6-inch drop line, v
Used jetter nozzle to dislodge blockage & debris basket to capture blockage material; placed sandbags to prevent spill fro
Sand bags were deployed to prevent further sewage from entering the storm drain while a combination truck was used to
Placed sand bags in front of catch basin to prevent further overflow from entering storm drain, placed clamp on broken co

Applied Lime to affected ground
Repair 1 Copper Air Vac Line

EMWD accomplished clean-up. Contractor is responsible for spill.

All hard surfaces were wash down and vactored. Dirt areas was limed, raked and posted. Debris in manhole were remov

9/14/2007 12:00

1/12/2008 15:00
4/30/2008 11:00
7/8/2009 10:00
4/1/2010 17:00
6/6/2010 15:00
9/18/2011 21:30
10/2/2011 10:10

12/31/2011 14:30

5/8/2007 8:07
9/26/2007 15:00

8/13/2012 11:00

8/15/2013 12:00
11/15/2008 14:50

1/8/2013 11:32

7/25/2008 12:20

9/18/2010 17:30

5/12/2011 10:30
12/16/2011 18:30
3/8/2012 11:25
10/9/2012 11:10

7/22/2013 8:30

3/20/2007 12:45
4/18/2007 12:00

6/30/2007 13:00
12/5/2007 5:30

3/20/2008 12:00

1/16/2009 17:00
1/17/2009 13:30
1/24/2009 11:30
6/25/2009 9:03

Plan rehabilitation or replacement of sewer

Repaired sewer
Other (specify below)
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Plan rehabilitatic
Repaired sewer
Plan rehabilitation or replacement of sewer
Added sewer to preventive maintenance program
Adjusted schedule/method of preventive maintenance

Other (specify below)

Other (specify below)
Adjusted schedule/method of preventive maintenance;Other (specify below)

Other (specify below)

Other (specify below)
Plan rehabilitation or replacement of sewer;Repaired sewer;Other (specify below)

Adjusted schedule/method of preventive maintenance;Repaired sewer

Other (specify below)

Adjusted schedule/method of preventive maintenance

Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)

Repaired sewer

Repaired sewer;Other (specify below)
Other (specify below)

Other (specify below)
Repaired sewer

Other (specify below)

Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)

The section of c-905 pipe has been sent to a laboratory for analyst. Waiting for results.

Made sure the operator was aware of hom it happened and trained on how prevent this from happing again.

The forcemain was repaired and returned to service. The District is investigating the cause of the pipe failure and will det

will inspect again with CCTV in 4 months to determine if need to be added to Troubl Spot list

Welded manhole covers closed.
On 10/4/2007 staff was cleaning the surrounding area and discovered a piece of plywood in the channel of MH # S14128,

Bypass lift station untill project is complete.

Manholes on easements will have lock down lids.
SEWER PIPE REPLACED BY A CONTRACTOR 11/15/2008

WE ARE SCHEDULING A REPAIR OF DISPLACED JOINT & SEWER PIPE

clairy it's by-pass procedures and issue to all contractors and sanitary personnel

Drop manhole was previously cleaned on 07-13-2010. District will continue with regular inspection and maintenance sche

Directed contractor to secure temporary manhole covers (plates) while paving.
District will clean and video inspect the entire easement sewer line during the week of 12/19 to ensure proper flow and de
Cause of blockage undetermined. Line segment is included in District's annual cleaning program.
Ran jetter to clean line; video inspected line to be sure it was free of blockage; will install remote manhole flow monitoring

Installed repair clamp on corroded 2-inch copper pipe. District contractor will replace copper pipe and install zinc anode t

Future repair with stainless steel pipe.
EMWD inspector notified at nearby construction.

Contractor resposible for clean up of spill.

Investigate of vandalism

Cleared blockage and cleaned adjacent mains.
Lift station back online; further investigation discovered a valve blockage on a force main
Removed obstruction, cleaned and restored flow.
Lift station back online

No

No
No
Yes
Yes
No
No
No

No

No
Yes

No

No
No

No

No

No

No
No
No
No

No

No
No

No
No

Yes

No
No
No
No

There were no noted visual impacts.
N/A
NA
NA
N/A
some debris was removed at break site. no other visual impacts were noticed. Biologists from Dudek were onsite and are
N/A
n/a

N/A

Streambed above and below overflow site is normally dry

VISIBLE SIGNS AND ODOR OF SEWAGE

NA
NONE

na

Not Applicable
No visual impacts. Signs were posted on nearby beaches as a precaution.
Not applicable

Not applicable
Not applicable

Not applicable.
The storm channeldischarges into Salt Creek, which is treated by the Ozone Treatment Plant before discharging into the

None

No

No
No
No
Yes
No
Yes
No

No

Yes
Yes

No

Yes
Yes

No

No

Yes

Yes
No
No
Yes

Yes

No
No

Yes
Yes

Yes

No
Yes
Yes
Yes

NA

NA
NA
N/A
Doheny State Beach Capistrano Beach
NA
n/a

None
None

NA

NA
NONE

na

Point Place, La Senda & Thousand Steps Beaches
None
Three Arch Bay in Laguna Beach
Not applicable
Not applicable

Not applicable.
As a precaution, the OC Health Care Agency posted warnings 300 feet north and south of the Salt Creek outlet to the Pac

NA
NA

NA
NA

NA

NA
NA
NA
NA

Cristianitos Creek (dry creek bed)

NA
Tijeras Creek
Oso Creek
Tijeras Creek Trabuco Creek San Juan Creek
Oso Creek
Oso Creek
N/A
N/A
Oso Creek
None
None
None

N/A
None
Storm Detention Basin
SYCAMORE CREEK

NONE
NA
NONE

Storm Drain

Pacific Ocean
None
Three Arch Bay in Laguna Beach
Not applicable
Not applicable
West Basin of Dana Point Harbor
Not applicable.
Salt Creek, Pacific Ocean (Salt Creek Beach)

RCFC Storm Drain Facility, Name Unknown
RCFC Strom Drain Facility, Name Unknown.

Tucaloca Creek
RCFC Strom Drain Facility, Name Unknown

Temecula Creek

Tucaloca Creek
Temecula Creek Santa Margarita River
NA
Temecula Creek Santa Margarita River

Not applicable to this spill

Not applicable to this spill
No water quality samples taken
Not applicable to this spill
Dissolved oxygen;Other chemical indicator(s) - specify below;Biological indicator(s) - specify below;Other (specify below)
No water quality samples taken
Dissolved oxygen;Other chemical indicator(s) - specify below;Biological indicator(s) - specify below
Not applicable to this spill

No water quality samples taken

Other (specify below)
Dissolved oxygen;Other chemical indicator(s) - specify below

No water quality samples taken

No water quality samples taken
Other (specify below)

Other (specify below)

No water quality samples taken

Other (specify below)

Other (specify below)
Not applicable to this spill
No water quality samples taken
Other (specify below)

No water quality samples taken

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill

No water quality samples taken
Biological indicator(s) - specify below
Not applicable to this spill
Biological indicator(s) - specify below

Total Coliforms,Fecal Coliforms,Enterococci,TSS

Total Suspended Solids BOD Coliform Total Coliform, Fecal Enterococcus tst results on line 1.10

Fecal coliform
Total nitrogen, total phorpurus, fecal coliform, total coliform and plate count

TOTAL COLIFORM; FECAL COLIFORM; ENTEROCOCCUS; SOLIDS, TOTAL DISSOLVED

TOTAL COLIFORM, FECAL COLIFORM, ENTEROCOCCUS

OC Health will take samples at beach. SCWD is not aware of the type of samples to be taken.

Water quality sampling was completed by OC Health Care Agency (Environmental Health Division).

OC Health Care Agency found that spill did not reach surface waters.
OC Health Care Agency has taken responsibility for water quality sampling.

Total and Fecal Coliform (see attachment for reports)

Total and Fecal Coliform. (See attachment)

None of the above

None of the above
Not applicable to this spill
None of the above
County Health Agency;Regional Water Quality Control Board
None of the above
None of the above
None of the above

None of the above

Regional Water Quality Control Board
County Health Agency;Regional Water Quality Control Board

None of the above

None of the above
County Health Agency;Regional Water Quality Control Board

None of the above

No water quality samples taken

County Health Agency

County Health Agency
None of the above
No water quality samples taken
County Health Agency

None of the above

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

Not applicable to this spill

No water quality samples taken
County Health Agency;Regional Water Quality Control Board
Not applicable to this spill
County Health Agency;Regional Water Quality Control Board

Samples will be reported to all agencies when test results are completed. results of test taken from Associated labs three

OC Health will take samples at beach.

${ssoDetails.resultsReportedExplanation}

(see attachment for reports)

ɜ samples taken from Oso Creek 1. taken up stream of spill location 2. taken closes point down stream of spill location 3

74458	7/25/2007 9:00
75598	9/14/2007 11:30
76780	11/3/2007 19:30
83143	4/30/2008 11:08
94881	7/8/2009 10:11
101968	3/23/2010 18:35
103466	6/6/2010 13:50
115557	9/18/2011 19:46
115844	10/2/2011 12:00
117676	12/31/2011 14:07
115586	9/20/2011 10:50
72742	5/6/2007 6:07
75881	9/26/2007 13:30
Sep-81	6/19/2009 10:50
98006	11/30/2009 15:53
135006	8/13/2013 18:00
88215	11/14/2008 18:00
107092	11/25/2010 12:15
130149	1/7/2013 20:59
85402	7/24/2008 12:01
93896	5/24/2009 14:48
105627	9/18/2010 19:45
112942	5/12/2011 10:40
117436	12/16/2011 19:30
121336	3/8/2012 11:26
126070	10/9/2012 8:28

Not applicable.

73935	6/30/2007 13:30
77501	12/4/2007 16:05
82188	3/19/2008 17:47
90384	1/16/2009 15:50
90403	1/17/2009 14:06
90729	1/24/2009 11:02
94582	6/25/2009 10:05

Ernie Garcia, Supervisor	9492890137
Ernie Garcia, Supervisor	9492890137

9SSO10706	Active	747235	Jayne Joy	Certified
9SSO10706	Active	748046	Jayne Joy	Certified
9SSO10706	Active	748792	Jayne Joy	Certified
9SSO10706	Active	755726	Jayne Joy	Certified
9SSO10706	Active	770881	Alfred Javier	Certified
9SSO10706	Active	772074	Jayne Joy	Certified
9SSO10706	Active	774625	Jayne Joy	Certified
9SSO10706	Active	782596	Jayne Joy	Certified
9SSO10706	Active	786691	Jayne Joy	Certified
9SSO10706	Active	788949	Jayne Joy	Certified
9SSO10706	Active	789764	Jayne Joy	Certified
9SSO10706	Active	790613	Jayne Joy	Certified
9SSO10706	Active	793597	Jayne Joy	Certified
9SSO10706	Active	794591	Jayne Joy	Certified
9SSO10706	Active	798709	Jayne Joy	Certified
9SSO10706	Active	800666		Submit Draft
9SSO10707	Active	728688	Kris Hanberg	Certified
9SSO10707	Active	730533	Kris Hanberg	Certified
9SSO10707	Active	747334	Kris Hanberg	Certified
9SSO10707	Active	753093	Kris Hanberg	Certified
9SSO10707	Active	792420	Kris Hanberg	Certified
9SSO10707	Active	799802	Kris Hanberg	Certified
9SSO10709	Active	652665	Julie Hampel	Certified
9SSO10709	Active	706755	Julie Hampel	Certified
9SSO10709	Active	707776	Julie Hampel	Certified
9SSO10709	Active	718620	Julie Hampel	Certified
9SSO10709	Active	726885	Julie Hampel	Certified
9SSO10709	Active	730179	Julie Hampel	Certified
9SSO10709	Active	733516	Julie Hampel	Certified
9SSO10709	Active	734288	Julie Hampel	Certified
9SSO10709	Active	737463	Julie Hampel	Certified
9SSO10709	Active	739385	Julie Hampel	Certified
9SSO10709	Active	744289	Julie Hampel	Certified
9SSO10709	Active	745738	Julie Hampel	Certified
9SSO10709	Active	745739	Julie Hampel	Certified
9SSO10709	Active	749419	Julie Hampel	Certified
9SSO10709	Active	751949	Julie Hampel	Certified
9SSO10709	Active	755589	Julie Hampel	Certified
9SSO10709	Active	757872	Julie Hampel	Certified
9SSO10709	Active	759460	Julie Hampel	Certified
9SSO10709	Active	765775	Julie Hampel	Certified
9SSO10709	Active	769611	Julie Hampel	Certified
9SSO10709	Active	773747	Julie Hampel	Certified
9SSO10709	Active	777618	Julie Hampel	Certified
9SSO10709	Active	780142	Julie Hampel	Certified
9SSO10709	Active	781014	Julie Hampel	Certified
9SSO10709	Active	781015	Julie Hampel	Certified
9SSO10709	Active	781016	Julie Hampel	Certified
9SSO10709	Active	781479	Julie Hampel	Certified
9SSO10709	Active	784898	Julie Hampel	Certified
9SSO10709	Active	786356	Julie Hampel	Certified
9SSO10709	Active	790408	Julie Hampel	Certified
9SSO10709	Active	791534	Julie Hampel	Certified
9SSO10709	Active	793579	Julie Hampel	Certified
9SSO10709	Active	793670	Julie Hampel	Certified

Director, Environmental & Regulatory Compliance
Director, Environmental & Regulatory Compliance
Director, Environmental & Regulatory Compliance
Directory, Environmental & Regulatory Compliance
Env. Srvs. Mngr.
Director, Environmental & Regulatory Compliance
Director, Environmental & Regulatory Compliance
Director, Environmental & Regulatory Compliance
Director, Environmental & Regulatory Compliance
Director, Environmental & Regulatory Compliance
Director, Environmental & Regulatory Compliance
Director, Environmental & Regulatory Compliance
Environmental & Regulatory Compliance Director
Director, Environmental & Regulatory Compliance
Director, Environmental & Regulatory Compliance

Sanitation Supervisor
Sanitation Supervisor
Sanitation Supervisor
Wastewater Supervisor
Sanitation Superintendent
Sanitation Superintendent
Environmental Manager
Environmental Manager
Environmental Affairs Div Manager
Division Manager
Environmental Affairs Manager
Environmental Manager
Environmental Affairs Manager
Environmental Affairs Manager
Environmental Affairs Manager
Environmental Manager
Environmental Affairs Manager
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Environmental Manager

Perris, CA		459347
Perris, California		777965
Perris, CA		402389
Perris, CA		209985
Perris, CA		987756
Perris, CA		420624
Perris, CA		394271
Perris, CA		497531
Perris, CA		274115
Perris, CA		386264
Perris, California		942456
Perris, California 92572		355705
Perris, California		684361
Perris, CA		780519
Perris, CA		596936
trabuco Canyon Water district		465531
TCWD		841180
Trabuco Canyon Water District		689920
Trabuco Canyon Water District		750610
TCWD		168342
TCWD		344675
	1515	263758
	1514	987524
	16:14	808100
	13:55	360582
	1459	371589
	1513	217714
11:15am		965882
10:25am		734508
	13:55	717389
	1510	644821
	15:12	477149
	11:10	638831
	11:13	432699
	15:34	553914
	12:02	754941
	12:04	855133
	10:08	901663
	13:56	230249
	12:53	164591
	13:58	109906
	10:10	428132
	13:34	705752
	12:10	789269
	15:11	298542
	15:14	419712
	15:17	988759
	11:48	432101
	10:12	666815
	11:03	844559
	10:11	210291
	16:18	914481
	11:26	925539
	16:25	254503

1-Dec-09		2-Dec-09	12/2/2009
31-Dec-09		4-Jan-10	1/4/2010
25-Jan-10		2-Jun-10	6/2/2010
4-Aug-10	8/4/2010	9-Aug-10	8/9/2010
8-Sep-11	9/8/2011	22-Sep-11	9/22/2011
17-Oct-11	10/17/2011	19-Oct-11	10/19/2011
22-Dec-11	12/22/2011	28-Dec-11	12/28/2011
27-Jun-12	7/5/2012	23-Jul-12	7/23/2012
27-Sep-12	9/27/2012	9-Oct-12	10/9/2012
11-Dec-12	12/11/2012	12-Dec-12	12/12/2012
7-Jan-13	1/7/2013	18-Jan-13	1/18/2013
21-Jan-13	1/21/2013	1-Feb-13	2/1/2013
24-Apr-13	4/24/2013	26-Apr-13	4/26/2013
30-May-13	5/30/2013	25-Jun-13	6/25/2013
11-Sep-13	9/12/2013	18-Sep-13	9/18/2013
12-Nov-13	11/12/2013		
30-Oct-08		30-Oct-08	10/30/2008
15-Dec-08		15-Dec-08	12/3/2010
7-Dec-09		7-Dec-09	12/7/2009
7-Jun-10	6/7/2010	7-Jun-10	6/7/2010
7-Mar-13	3/7/2013	8-Mar-13	3/8/2013
16-Oct-13	10/16/2013	16-Oct-13	10/16/2013
22-Jun-07		22-Jun-07	12/13/2010
29-Oct-07		29-Oct-07	12/13/2010
15-Nov-07		16-Nov-07	5/28/2009
2-Jun-08		2-Jun-08	6/2/2008
25-Sep-08		8-Oct-08	10/8/2008
3-Dec-08		15-Dec-08	12/13/2010
13-Feb-09		24-Feb-09	2/24/2009
27-Feb-09		10-Mar-09	3/10/2009
14-May-09		3-Jun-09	6/3/2009
16-Jun-09		23-Jun-09	12/13/2010
3-Sep-09		4-Sep-09	9/4/2009
19-Oct-09		19-Oct-09	10/19/2009
19-Oct-09		19-Oct-09	10/19/2009
17-Feb-10		17-Feb-10	2/17/2010
26-Apr-10		26-Apr-10	4/26/2010
28-Jul-10	8/3/2010	3-Aug-10	8/3/2010
18-Oct-10	10/25/2010	25-Oct-10	10/25/2010
16-Dec-10	12/16/2010	17-Dec-10	12/17/2010
25-Apr-11	4/27/2011	27-Apr-11	4/27/2011
8-Aug-11	8/8/2011	9-Aug-11	8/9/2011
5-Dec-11	12/6/2011	7-Dec-11	12/7/2011
16-Feb-12	2/16/2012	21-Feb-12	2/21/2012
16-Apr-12	4/18/2012	18-Apr-12	4/18/2012
7-May-12	5/8/2012	8-May-12	5/8/2012
7-May-12	5/8/2012	8-May-12	5/8/2012
7-May-12	5/8/2012	8-May-12	5/8/2012
18-May-12	5/23/2012	23-May-12	5/23/2012
9-Aug-12	8/9/2012	14-Aug-12	8/14/2012
19-Sep-12	9/19/2012	25-Sep-12	9/25/2012
16-Jan-13	1/16/2013	23-Jan-13	1/23/2013
11-Feb-13	2/11/2013	12-Feb-13	2/12/2013
23-Apr-13	4/23/2013	23-Apr-13	4/23/2013
25-Apr-13	4/25/2013	14-May-13	5/14/2013

Category 3		90	90
Category 3		300	300
Category 1		9075	3000
Category 3		453	0
Category 2		2000	2000
Category 3		200	0
Category 3		53	53
Category 3		130	130
Category 1		9500	9500
Category 3		200	0
Category 1		260774	100
Category 3		55	50
Category 2		1155	1155
Category 3		200	0
Category 2	3600	3600	3500
Category 3	475	475	475
Category 1		1000	0
Category 1		600	0
Category 2		27225	27225
Category 1		1800	0
Category 1		600	0
Category 2	2250	2250	2250
Category 1		1700	0
Category 3		20	20
Category 2		3000	0
Category 3		10	10
Category 3		100	100
Category 1		750	0
Category 3		50	50
Category 3		100	0
Category 3		20	0
Category 3		850	0
Category 3		100	0
Category 3		30	30
Category 3		10	10
Category 3		30	30
Category 3		50	0
Category 3		100	0
Category 3		5	5
Category 1		200	5
Category 3		300	300
Category 3		100	100
Category 3		75	75
Category 3		75	75
Category 3		100	75
Category 3		410	50
Category 3		25	0
Category 3		5	0
Category 3		50	0
Category 3		200	0
Category 3		35	35
Category 3		50	50
Category 3		200	0
Category 1		200	150
Category 3		10	8

0	No	No
0	No	No
6075	Yes	Yes
0	No	Yes
0	No	No
0	No	No
0	No	No
0	No	Yes
6750	Yes	Yes
0	No	No
1000	Yes	Yes
0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	No
1000	Yes	Yes
600	No	Yes
0	No	Yes
1800	Yes	Yes
600	No	Yes
0	No	No
1700	No	Yes
0	No	No
0	No	Yes
0	No	No
0	No	Yes
750	Yes	Yes
0	No	Yes
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
195	No	Yes
0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	Yes
0	No	Yes
0	No	No
50	No	Yes
0	No	No

Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe

29376 Via Frontera MHS
091231 Diaz Lift Station
Pujol Force Main
Breitner Way, Winchester
Pala Lift Station - Vacuum Truck
28673 Pujol Street
Pourroy Road - Murrieta
High Vista Dr
Margarita Road
Easement off of Vincent Moraga Dr. - Temecula
Winchester Rd and Jean Nicolas Rd
6th Street and Pujol
Pujol and 6th Street
Murrieta Development Company
28701 Pujol Street
Tierra Vista Road West of Ynez Road
Dove Canyon Drive/Plano Trabuco Road
21984 Via Allegre Street, Trabuco Canyon, CA 92679
Golf Club Lift Station
Los Alisos Boulevard/ Santa Margarita Parkway, Mission Viejo, California
Via Alegre Lift Station
Barnberg sewage Force main
University of California San Diego, Central Utilities Plant
Center for Coastal Studies - Scripps Institution of Oceanography
UCSD Medical Center Clinical Teaching Facility (CTF)
UCSD Supercomputer Center Construction Site
UCSD School of Medicine Leichtag Building north side
La Jolla Village Drive between Gilman Drive and North Torrey Pines Road
South sidewalk of Warren Lecture Hall
East side of Central Utility Plant
Chancelllor's Complex Bldg. 105
Parking Lot 308Fire Suppression Line Flushing for TMAC Renovation
Super Computer Center - south side
York Hall - North side
Leichtag - North side of building
University Center Building 105
Geisel Library Walk - South side
Mathews Apartments
IMG 2
Biology Field Station
Pharmacy Building
Stein Research Building - Neutralization tank
NSB Basement
Mandler Hall
Shiley Eye Center
Pepper Canyon
Mandeville Auditorium
Shiley Eye Center
Rimac Information Booth
Seaweed Canyon
University Center 303
Leichtag Building
CUP
York Lane
Stewart Hall

33.55575	-117.14932	Riverside
33.50342	-117.15759	Riverside
33.4908	-117.15055	Riverside
33.59638	-117.11285	Riverside
33.47509	-117.13987	Riverside
33.4908	-117.15055	Riverside
33.57956	-117.10124	Riverside
33.57843	-117.10501	Riverside
33.51155	-117.14178	Riverside
33.49436	-117.15522	Riverside
33.60863	-117.10942	Riverside
33.49372	-117.15354	Riverside
33.49375	-117.15357	Riverside
33.50934	-117.17382	Riverside
33.49045	-117.15011	Riverside
33.50101	-117.14667	Riverside
33.643056	117.577778	Orange
33.643333	-117.577222	Orange
33.634722	-117.569167	Orange
33.65557	-117.65003	Orange
33.643333	-117.577222	Orange
33.621823	-117.567414	Orange
32.874444	-117.238889	San Diego
32.86588	-117.253668	San Diego
32.757	-117.165	San Diego
32.88	117.24	San Diego
32.877056	117.236625	San Diego
32.871039	-117.239879	San Diego
32.88	117.234	San Diego
32.8744	-117.2388	San Diego
32.87869275	-117.2364432	San Diego
32.886252	-117.240703	San Diego
32.884087	-117.239217	San Diego
32.874521	-117.240155	San Diego
32.877056	-117.236625	San Diego
32.878591	-117.237006	San Diego
32.880603	-117.237366	San Diego
32.878958	-117.231372	San Diego
32.875446	-117.234134	San Diego
32.88479	-117.229389	San Diego
32.874196	-117.235671	San Diego
32.876243	-117.234037	San Diego
32.875041	-117.242714	San Diego
32.879053	-117.241989	San Diego
32.879168	-117.223016	San Diego
32.877414	-117.231773	San Diego
32.87785	-117.239717	San Diego
32.879168	-117.223016	San Diego
32.888695	-117.240484	San Diego
32.865642	-117.249488	San Diego
32.87737	-117.235276	San Diego
32.877056	-117.236625	San Diego
32.874143	-117.238734	San Diego
32.87363	-117.239616	San Diego
32.884166	-117.232209	San Diego

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Air-vac located on a slope behind 28673 Pujol Street

On Margarita Road, in between Moraga Road and Paseo Brilliante
Air-Vac Box located in a dirt road easement off of Vincent Moraga Drive in Temecula, Ca.
Manhole on West side Winchester Rd between Jean Nicolas Rd and Blue Spruce Lane.

Air-vac

Outside new housing developement on Tierra Vista Road. Not far from Ynez Road.
300 feet north of Dove Canyon Drive on Plano Trabuco Road
Man Hole in front of sewage lift station
In front of Golf Club Lift Station and within the parking lot and golf course driving range
Landscaped median.
Manhole near entrance to lift Station and at end cul-de-sac

Underground sewer pipe located on the east side of the Central Utility Plant caused overflow of visible manhole.
Sewer clean out just outside the Coastal Studies Building
Parking lot located on the north side of CTF Building A near the loading dock and canyon.
Fire Lane between UCSDs Supercomputer Building and RIMAC Center
Clean out on north side of Leichtag in vegetated area
Manhole in sidewalk, south of Theater District.
sewer cleanout on south side of Warren Lecture Hall

cleanout outside Bldg 105 at the Chancellor's Complex

South side of new Supercomputer addition and Hopkins
Clean out downstream of marble chip tank.
Clean out on north side of building upstream from marble chip tank.

In mulch area west of apartments

Mechanical Room

1
1

1

Manhole
Other sewer system structure
Force main or pressure sewer;Other sewer system structure;Other (specify)
Manhole
Other (specify)
Other (specify)
Other (specify)
Other sewer system structure
Manhole;Other (specify)
Other sewer system structure
Gravity sewer;Manhole
Other sewer system structure
Other sewer system structure
Other (specify)
Other sewer system structure
Manhole
Force main or pressure sewer
Manhole
Force main or pressure sewer
Force main or pressure sewer
Gravity sewer
Force Main
Manhole
Other (specify)
Gravity sewer
Gravity sewer
Other sewer system structure
Manhole
Other (specify)
Other (specify)
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Building or structure
Other (specify)
Building or structure
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Building or structure
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Manhole
Manhole
Other sewer system structure
Other (specify)
Building or structure;Other (specify)
Other sewer system structure
Other sewer system structure

Lift Station Air Vac
Air Vac

Vacuum Truck at Lift Station
Air-vac
Air Vac
Copper piping leading to Airvac
The sewage was coming out of Manhole No. 1991 which had been paved over, so the actual spill appearance point was c
Seeping from an Air-Vac box.

Air-vac
Air-vac
The spill backed up into a building overflowing the toilets.
Air-Vac located behind 28701 Pujol Street
Flow backed up ffrom a secondary bulkhead and overflowed from a manhole before near the bulkhead.

Approximately 2 inch diameter hole in the ductile iron pipeline.

Building cleanout
Clean out in parking lot.

Sewer clean out

Sewer Cleanout
Sewer Clean-out
Clean out

Sewer clean out
Clean out
Clean out.

Cleanout
Cleanout
Cleanout

Neutralization tank

Cleanout
Floor Drain.

Clean out

Street/curb and gutter
Other (specify below)
Storm drain;Street/curb and gutter;Surface water;Unpaved surface
Storm drain
Other paved surface;Unpaved surface
Unpaved surface
Street/curb and gutter;Unpaved surface
Separate storm drain;Unpaved surface
Separate storm drain;Street/curb and gutter;Other (specify below)
Other paved surface;Unpaved surface
Separate storm drain;Street/curb and gutter;Unpaved surface
Street/curb and gutter;Unpaved surface
Other (specify below)
Other (specify below)
Drainage Channel;Unpaved surface

Storm drain
Separate storm drain
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other paved surface;Separate storm drain;Street/curb and gutter;Unpaved surface
Other (specify below)
Unpaved surface;Other (specify below)
Street/curb and gutter
Storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter;Other (specify below)
Building or structure;Other paved surface;Storm drain
Other paved surface;Unpaved surface
Unpaved surface
Street/curb and gutter;Unpaved surface
Unpaved surface
Unpaved surface
Street/curb and gutter;Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Other paved surface;Separate storm drain;Street/curb and gutter;Unpaved surface
Building or structure
Other paved surface;Separate storm drain;Street/curb and gutter
Building or structure
Building or structure
Separate storm drain;Unpaved surface
Unpaved surface
Building or structure
Building or structure;Other paved surface
Unpaved surface
Other paved surface;Unpaved surface
Separate storm drain;Unpaved surface
Separate storm drain;Street/curb and gutter;Unpaved surface
Building or structure;Other paved surface
Other paved surface;Separate storm drain;Street/curb and gutter
Unpaved surface

Construction Area on-site.

Went into a storm drain pipe that was under construction. The storm drain pipe dumped out on the other side of the sidev
The final spill destination was the street, gutter, stormdrain pipe and Empire Creek, that contained standing municipal sto
Spill destination was dirt road where air-vac box was located, planted slope and paved parking area behind a business.
The spill was seeping from a manhole at about 1-2 gpm (at the time crews arrived), that spilled onto a grassy area, then i

Stormwater catch basin
Inside a building.
A dry Murrieta Creek bed.
Surrounding Soil

Dove Lake Reservoir, a man made reservoir used for storage of dry season and wet weather runoff
Los Alisos Creek
Dry creek bed called Tijeras creek
Runoff Recovery Pump Station
The sanitary sewer overflow went into a storm drain that discharges into a culvert in the canyon east of Gilman Drive and
Landscape area
The sanitary sewer overflow went into the storm drain located in the loading dock on the north side of CTF. This storm d

conveyance system basin in inaccessible canyon

Parking lot and landscaping

overflowed from tank and spilled into street curb and pavement.

11/30/2009 19:45	11/30/2009 19:45	11/30/2009 20:30	11/30/2009 21:15
12/31/2009 7:11	12/31/2009 7:11	12/31/2009 7:11	12/31/2009 7:15
1/23/2010 0:00	1/23/2010 21:55	1/23/2010 22:45	1/23/2010 23:55
8/3/2010 0:00	8/3/2010 22:55	8/3/2010 22:40	8/4/2010 0:16
9/7/2011 0:00	9/7/2011 11:10	9/7/2011 11:10	9/7/2011 11:11
9/27/2011 9:30	9/27/2011 10:55	9/27/2011 11:06	9/27/2011 10:00
12/15/2011 12:47	12/15/2011 12:47	12/15/2011 13:24	12/15/2011 13:58
6/27/2012 8:53	6/27/2012 9:03	6/27/2012 9:45	6/27/2012 10:20
9/25/2012 0:00	9/25/2012 7:48	9/25/2012 8:15	9/25/2012 9:10
11/13/2012 12:00	11/16/2012 7:12	11/16/2012 7:35	11/16/2012 7:43
9/29/2012 0:00	1/3/2013 8:28	1/3/2013 8:52	1/3/2013 9:37
1/19/2013 7:00	1/19/2013 10:45	1/19/2013 11:45	1/19/2013 12:00
4/23/2013 0:00	4/23/2013 10:25	4/23/2013 11:20	4/23/2013 11:26
5/29/2013 13:00	5/29/2013 13:30	5/29/2013 13:37	5/29/2013 14:00
9/8/2013 14:30	9/10/2013 8:30	9/10/2013 8:49	9/10/2013 9:00
11/8/2013 19:30	11/8/2013 19:30	11/8/2013 21:05	11/8/2013 21:05
10/29/2008 7:00	10/29/2008 9:00	10/29/2008 9:00	10/29/2008 11:00
12/14/2008 6:30	12/14/2008 8:23	12/14/2008 8:30	12/14/2008 8:32
12/6/2009 0:00	12/6/2009 17:45	12/6/2009 18:00	12/6/2009 22:00
6/4/2010 0:00	6/4/2010 17:38	6/4/2010 18:00	6/4/2010 19:00
3/6/2013 0:00	3/6/2013 11:25	3/6/2013 12:00	3/7/2013 1:00
10/15/2013 9:30	10/15/2013 9:30	10/15/2013 9:30	10/15/2013 12:00
6/20/2007 16:20	6/20/2007 16:27	6/20/2007 17:19	6/20/2007 17:35
9/5/2007 13:40	9/5/2007 13:40	9/5/2007 13:40	9/5/2007 13:45
11/13/2007 10:30	11/13/2007 11:00	11/13/2007 11:00	11/13/2007 17:10
5/5/2008 13:30	5/5/2008 17:30	5/5/2008 14:30	5/5/2008 15:30
9/24/2008 16:30	9/24/2008 17:00	9/24/2008 17:15	9/24/2008 18:05
12/3/2008 0:00	12/3/2008 13:45	12/3/2008 14:10	12/3/2008 14:20
2/12/2009 12:26	2/12/2009 12:26	2/12/2009 12:30	2/12/2009 12:45
2/22/2009 14:45	2/22/2009 14:45	2/22/2009 17:15	2/22/2009 18:17
5/12/2009 0:00	5/12/2009 13:00	5/12/2009 13:00	5/12/2009 14:00
6/16/2009 0:00	6/16/2009 14:10	6/16/2009 14:10	6/16/2009 13:39
8/17/2009 19:30	8/17/2009 19:30	8/17/2009 20:00	8/17/2009 21:15
10/5/2009 15:30	10/5/2009 15:30	10/5/2009 15:30	10/5/2009 16:30
10/9/2009 15:40	10/9/2009 15:40	10/9/2009 15:40	10/9/2009 16:00
2/10/2010 10:00	2/11/2010 2:40	2/11/2010 2:45	2/10/2010 10:15
4/1/2010 16:05	4/1/2010 16:05	4/1/2010 16:43	4/1/2010 22:12
7/18/2010 0:00	7/18/2010 13:30	7/18/2010 13:40	7/18/2010 14:00
10/15/2010 0:00	10/15/2010 12:15	10/15/2010 12:15	10/15/2010 12:15
12/16/2010 0:00	12/16/2010 13:45	12/16/2010 14:00	12/16/2010 14:05
4/12/2011 0:00	4/12/2011 17:30	4/12/2011 17:40	4/12/2011 23:00
7/15/2011 10:00	7/15/2011 10:30	7/15/2011 10:30	7/15/2011 11:30
11/11/2011 10:00	11/11/2011 10:00	11/11/2011 10:00	11/11/2011 12:00
1/17/2012 11:00	1/17/2012 11:53	1/17/2012 11:53	1/17/2012 12:45
4/16/2012 0:00	4/16/2012 12:30	4/16/2012 12:40	4/16/2012 11:50
4/23/2012 12:00	4/23/2012 13:05	4/23/2012 13:15	4/23/2012 18:50
4/26/2012 21:30	4/26/2012 21:30	4/26/2012 22:00	4/27/2012 3:00
4/17/2012 11:00	4/17/2012 11:40	4/17/2012 11:40	4/17/2012 12:00
5/9/2012 10:50	5/9/2012 10:50	5/9/2012 10:50	5/9/2012 11:00
7/27/2012 15:06	7/27/2012 15:30	7/27/2012 15:44	7/27/2012 15:50
9/11/2012 11:45	9/11/2012 11:45	9/11/2012 12:00	9/11/2012 13:45
1/7/2013 15:40	1/7/2013 16:00	1/7/2013 16:10	1/7/2013 16:20
1/20/2013 9:00	1/20/2013 9:00	1/20/2013 9:00	1/20/2013 14:00
4/19/2013 0:00	4/19/2013 14:17	4/19/2013 14:17	4/19/2013 14:40
4/21/2013 18:51	4/21/2013 18:51	4/21/2013 18:58	4/21/2013 19:43

Grease deposition (FOG)
Pipe structural problem/failure
Pipe structural problem/failure
Grease deposition (FOG)
Operator error
Other (specify below)
Other (specify below)
Pipe structural problem/failure
Other (specify below)
Debri-General
Other (specify below)
Other (specify below)
Pipe structural problem/failure
Root intrusion
Air Relief Valve (ARV)/Blow-Off Valve (BOV) Failure
Other (specify below)
Pipe structural problem/failure
Pump station failure
Pipe structural problem/failure
Other (specify below)
Grease deposition (FOG)
Pipe Structural Problem/Failure - Installation
Root intrusion
Other (specify below)
Root intrusion
Debris
Debris
Root intrusion
Root intrusion
Root intrusion
Other (specify below)
Debri-General
Other (specify below)
Other (specify below)
Debri-General
Other (specify below)
Debri-General
Root intrusion
Other (specify below)
Pump station failure
Debri-General
Debri-General
Other (specify below)
Debri-General
Debri-General
Root intrusion
Root intrusion
Debri-Rags
Root intrusion
Root intrusion
Debri-General
Debri-General
Other (specify below)
Root intrusion
Debri-General

The wet wells at Pala Lift Station were being cleaned, and a vacuum truck was being utilized to pump sewage from one w
Feminine hygiene applications inside air-vac
Air Vac malfunctioned

The cause has been determined to be from construction debris, specifically asphalt from the street paving of Margarita R
A small stick was found in the air-vac valve.
An additional bulkhead was found downstream that was obstructing the flow from a new neighborhood.
Air-vac valve leaking

Unknown secondary bulkhead in place.

Broken 1-inch air vaccuum release valve

Pipe Blockage

Clogged with sewage
Fire suppression flushing overflowed at manhole, no sanitary sewage believed to be released.
Blockage
Clogged line.

Crew was repairing a line and a small spill occurred.

blockage

Sump Pump failure

Scale build up.

Other (specify below)
Main

Other (specify below)
Main
Other (specify below)
Other (specify below)
Main
Main
Main
Other (specify below)
Other (specify below)
Main
Force Main
Manhole
Main
Other (specify below)
Main
Main
Other (specify below)
Force Main
Main
Upper Lateral

Main
Upper Lateral
Main

Upper Lateral

Upper Lateral

Upper Lateral
Other (specify below)
Main
Other (specify below)
Other (specify below)
Upper Lateral
Main
Upper Lateral
Upper Lateral
Main
Main
Main
Upper Lateral
Upper Lateral
Other (specify below)
Lower Lateral
Upper Lateral

Air Vac Failure; Contract Construction Crew on-site; Spill contained on-site.

Vacuum Truck - Operator Error

Air Vac
Airvac piping

Air-vac
Air-vac stuck open

Behind unknown secondary bulkhead.

manhole in front of pump station

Gravity sewer in front of Via Alagrea Lift Station

Lateral from research building to acid pit does not have any sanitary sewer contents, only laboratory sink and drain waste

pump

neutralization tank
Sump Pump

Cleanout
Floor Drain

No		
No		
	6	PVC
	8	ductile iron
	8	pvc
No	6	pvc
	6	clay
	4	Cast iron
	4	Cast iron
	8	HDR35
?.	8	
	8	

20

19

20
252
41
20
30
2

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Returned all or portion of spill to sanitary sewer system;Other (specify below)
Cleaned-up (mitigated effects of spill)
Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-Up;Contained all or portion of spill;Returned Portion of Spill to Sanitary Sewer System

Restored flow
Restored flow
Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-Up;Contained all or portion of spill
Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Restored flow
Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow

When crews arrived, the overflow had stopped, but there was evidence of an overflow around the air-vac. The SSO stay
Air Vac was turned off until a new one can be installed.

*See SSO Spill Synopsis Attachment
Towing business stated they first noticed some fluid seeping out of the corner of the air-vac box on 11/13/2012, but that it
While crews were responding to spill, staff were able to interview gardners/landscapers in the area to see if they noticed v
Replace air-vac valve

A remediation contractor was called to clean up and repair the inside of the building.

Restore flow , Cleaned up

Rescue Rooter snaked the line, water jetted it, and confirmed that the flow had been restored to the line. UCSD Facilities

Contractor vacuumed contained spill.

Ceased flushing and restored flow

1/25/2010 15:00
8/4/2010 2:00
9/7/2011 13:00

9/25/2012 15:00

1/3/2013 12:55

4/24/2013 1:30

9/10/2013 14:45

10/29/2008 21:00
12/14/2008 8:45
12/7/2009 5:00
6/4/2010 19:00
3/7/2013 1:00
10/15/2013 18:30
6/21/2007 14:25

11/13/2007 19:30

12/3/2008 4:30

12/16/2010 18:30

4/16/2012 18:45

4/19/2013 18:00

Repaired sewer
Added sewer to preventive maintenance program
Other (specify below)

Other (specify below)

Other (specify below)

Repaired sewer

Repaired Facilities or Replaced Defect

Repaired sewer
Other (specify below)
Repaired sewer
Other (specify below)
Other (specify below)
Other (specify below)
Plan rehabilitation or replacement of sewer

Added sewer to preventive maintenance program;Other (specify below)

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance

Other (specify below)

Plan rehabilitation or replacement of sewer

In order to prevent this type of incident from occuring again, the development of an engineering device that would cover t

During spill response, notified City of Temecula and paving company, RJ Noble, and discussed with them the necessity o

Removed bulkhead from sewer line. Update of procedures and create mapping procedure for identifying bulkheads. Hire

repaired level control system

Replaced support stand for 1-inch air vaccuum release valve and restored 1-inch air vaccuum release valve.
Clean gravity sewer more often Hot Spot
Replaced section of failed pipe

Jetted Sewer

Cleared blockage

No
No
No

No

Yes

No

Yes

No
No
No
No
No
No
No

No

No

No

No

No

N/A no recieving water
None
Dry creek bed (Los Alisos Creek)

NA

Yes
No
No

Yes

No

No

No
No
No
No
No

No

Yes

No

No

No

No

NA
NA

N/A
N/A
NA
NA

NA

NA

NA

NA

Murrieta Creek
NA
This question is not applicable, the SSO did not reach a surface water.
There was no surface waters impacted.
Did not reach any surface waters
NA - Did not reach surface waters
Empire Creek
NA - Did not enter a surface water
Riverside County Flood Control Storm Water Catch Basin - Name Unknown
NA
NA

Tijeras Creek
Tijeras Creek
NA
Los Alisos Creek
Tijeras Creek, (Dry Creek Bed)

Rose Canyon Creek

NA

Rose Canyon Creek

NA

Not applicable to this spill
No waterways were impacted. The curbside gutter daylights into an inaccessible field.
Not applicable to this spill.
no surface waters were impacted
Not applicable to this spill. No surface water were impacted.
Not applicable to this spill.
Not applicable to this spill.
Not applicable to this spill
Not applicable to this spill
not applicable to this spill
Not applicable to this spill.
not applicable to this spill.
Not Applicable to the Spill
Not applicable to this spill.
Not applicable to this spill.
Not applicable to this spill
Not applicable to this spill.

Other chemical indicator(s) - specify below;Biological indicator(s) - specify below
No water quality samples taken
Not applicable to this spill

Not applicable to this spill

Other (specify below)

No water quality samples taken

Not applicable to this spill
No water quality samples taken
Not applicable to this spill
No water quality samples taken
No water quality samples taken

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

BOD, COD & Ammonia for chemical; Total and Fecal Coliform for Biological.

Bacteriological, Ammonia, & BOD

County Health Agency;Regional Water Quality Control Board
None of the above
Not applicable to this spill

Not applicable to this spill

None of the above

None of the above

None of the above
No water quality samples taken
None of the above
None of the above
Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

See Attachment - SSO Overview Additional Water Quality results pending.

Estimated flow in GPM times duration of spill

100626	1/24/2010 0:18
104655	8/4/2010 10:28
115304	9/7/2011 12:14
125763	9/25/2012 10:45
130040	1/3/2013 10:33
132439	4/24/2013 0:38
133246	5/29/2013 16:11
87814	10/30/2008 8:00
88892	12/14/2008 9:30
98145	12/6/2009 19:49
103442	6/4/2010 21:00
131392	3/7/2013 12:50
73733	6/20/2007 18:05
77003	11/13/2007 15:45
86945	9/24/2008 18:40
88645	12/3/2008 15:38
94396	6/16/2009 14:43
122260	4/16/2012 13:42
132351	4/19/2013 15:53

Jayne Joy, Director Env.	9519283777
John Jackson Environmental Compliance Anaylst	9.51928E+13
Kris Hanberg	9496160482

9SSO10709	Active	793912	Julie Hampel	Certified
9SSO10709	Active	794673	Julie Hampel	Certified
9SSO10709	Active	800844	Julie Hampel	Certified
9SSO10709	Active	800845		Work In Progress
9SSO10709	Active	801077	Julie Hampel	Certified
9SSO10709	Active	801079	Julie Hampel	Certified
9SSO10710	Active	646309	Luis Ledesma	Certified
9SSO10710	Active	646310	Luis Ledesma	Certified
9SSO10710	Active	646873	Luis Ledesma	Certified
9SSO10710	Active	647245	Luis Ledesma	Certified
9SSO10710	Active	647264	Luis Ledesma	Certified
9SSO10710	Active	647853	Luis Ledesma	Certified
9SSO10710	Active	648687	Luis Ledesma	Certified
9SSO10710	Active	648704	Luis Ledesma	Certified
9SSO10710	Active	649215	Luis Ledesma	Certified
9SSO10710	Active	649299	Luis Ledesma	Certified
9SSO10710	Active	649629	Mark Bonsavage	Certified
9SSO10710	Active	650084	Luis Ledesma	Certified
9SSO10710	Active	650882	Mark Bonsavage	Certified
9SSO10710	Active	651599	Luis Ledesma	Certified
9SSO10710	Active	654037	Luis Ledesma	Certified
9SSO10710	Active	654413	Luis Ledesma	Certified
9SSO10710	Active	656404	Mark Bonsavage	Certified
9SSO10710	Active	657220	Luis Ledesma	Certified
9SSO10710	Active	704800	Mark Bonsavage	Certified
9SSO10710	Active	705778	Luis Ledesma	Certified
9SSO10710	Active	705789	Luis Ledesma	Certified
9SSO10710	Active	706610	Mark Bonsavage	Certified
9SSO10710	Active	707900	Luis Ledesma	Certified
9SSO10710	Active	708546	Mark Bonsavage	Certified
9SSO10710	Active	708570	Luis Ledesma	Certified
9SSO10710	Active	709533	Luis Ledesma	Certified
9SSO10710	Active	711132	Luis Ledesma	Certified
9SSO10710	Active	711327	Mark Bonsavage	Certified
9SSO10710	Active	711440	Luis Ledesma	Certified
9SSO10710	Active	711441	Luis Ledesma	Certified
9SSO10710	Active	711443	Mark Bonsavage	Certified
9SSO10710	Active	711719	Mark Bonsavage	Certified
9SSO10710	Active	712173	Luis Ledesma	Certified
9SSO10710	Active	714113	Luis Ledesma	Certified
9SSO10710	Active	715782	Luis Ledesma	Certified
9SSO10710	Active	716262	Luis Ledesma	Certified
9SSO10710	Active	716435	Luis Ledesma	Certified
9SSO10710	Active	717025	Luis Ledesma	Certified
9SSO10710	Active	717111	Mark Bonsavage	Certified
9SSO10710	Active	720721	Luis Ledesma	Certified
9SSO10710	Active	722762	Luis Ledesma	Certified
9SSO10710	Active	724004	Luis Ledesma	Certified
9SSO10710	Active	725115		Work In Progress
9SSO10710	Active	726015	Mark Bonsavage	Certified
9SSO10710	Active	726016	Luis Ledesma	Certified
9SSO10710	Active	727314	Luis Ledesma	Certified
9SSO10710	Active	728564	Mark Bonsavage	Certified
9SSO10710	Active	728680	Luis Ledesma	Certified
9SSO10710	Active	728784	Mark Bonsavage	Certified

Environmental Manager
Environmental Manager
Environmental Manager

Environmental Manager
Environmental Manager
Wastewater Branch Head
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Legally Responsible Official

	16:27	534638
	16:18	491185
	11:22	129724
	11:14	149812
	11:19	126090
MCB Camp Pendleton		697384
MCB Camp Pendleton		490626
Camp Pendleton		676544
MCB Camp Pendleton		222626
MCB Camp Pendleton		152371
MCB Camp Pendleton		324654
MCB Camp Pendleton		619414
MCB Camp Pendleton		164100
Oceanside, California		755846
Oceanside, California		105223
Camp Pendleton		137180
MCB Camp Pendleton		960515
Camp Pendleton		395890
MCB Camp Pendleton		376281
MCB Camp Pendleton		558778
MCB Camp Pendleton		184458
Camp Pendleton		424381
MCB Camp Pendleton		963311
Camp Pendleton		629547
MCB Camp Pendleton		819458
MCB Camp Pendleton		647656
Camp Pendleton		466331
MCB Camp Pendleton		867466
Camp Pendleton		845079
MCB Camp Pendleton		340007
MCB Camp Pendleton		736849
MCB Camp Pendleton		204733
Camp Pendleton		469298
MCB Camp Pendleton		904716
MCB Camp Pendleton		395795
Camp Pendleton		571791
Camp Pendleton		152867
MCB Camp Pendleton		674828
MCB Camp Pendleton		313851
MCB Camp Pendleton		360445
MCB Camp Pendleton		900341
MCB Camp Pendleton		180110
MCB Camp Pendleton		115713
Camp Pendleton		359420
MCB Camp Pendleton		435835
MCB Camp Pendleton		390170
MCB Camp Pendleton		698307
Camp Pendleton		148703
MCB Camp Pendleton		245134
MCB Camp Pendleton		452715
Camp Pendleton		103956
MCB Camp Pendleton		944297
Camp Pendleton		279741

3-May-13	5/3/2013	14-May-13	5/14/2013
3-Jun-13	6/3/2013	6-Jun-13	6/6/2013
18-Nov-13	11/25/2013	25-Nov-13	11/25/2013
18-Nov-13			
25-Nov-13	11/25/2013	25-Nov-13	11/25/2013
25-Nov-13	11/25/2013	25-Nov-13	11/25/2013
26-Jan-07		2-Feb-07	2/2/2007
26-Jan-07		16-Feb-07	3/26/2009
8-Feb-07		21-Feb-07	2/21/2007
22-Feb-07		28-Feb-07	2/28/2007
22-Feb-07		28-Feb-07	2/28/2007
12-Mar-07		26-Mar-07	3/26/2007
30-Mar-07		11-Apr-07	4/11/2007
2-Apr-07		10-Apr-07	4/10/2007
11-Apr-07		24-Apr-07	4/24/2007
12-Apr-07		24-Apr-07	4/24/2007
20-Apr-07		8-May-07	5/27/2011
2-May-07		30-May-07	5/30/2007
24-May-07		31-May-07	6/14/2011
11-Jun-07		2-Jul-07	7/2/2007
12-Jul-07		7-Aug-07	8/7/2007
19-Jul-07		7-Aug-07	8/7/2007
28-Aug-07		15-Sep-07	5/31/2012
12-Sep-07		15-Sep-07	9/15/2007
6-Oct-07		19-Oct-07	4/4/2012
19-Oct-07		26-Mar-09	3/26/2009
19-Oct-07		26-Mar-09	3/26/2009
25-Oct-07		5-Nov-07	5/31/2012
19-Nov-07		28-Nov-07	11/28/2007
30-Nov-07		14-Dec-07	5/31/2012
1-Dec-07		14-Dec-07	12/14/2007
14-Dec-07		7-Jan-08	1/7/2008
11-Jan-08		22-Jan-08	1/22/2008
16-Jan-08		22-Jan-08	4/4/2012
18-Jan-08		22-Jan-08	1/22/2008
18-Jan-08		22-Jan-08	1/22/2008
18-Jan-08		20-Feb-08	4/4/2012
24-Jan-08		5-Aug-08	4/4/2012
31-Jan-08		15-Feb-08	2/15/2008
28-Feb-08		24-Mar-08	4/22/2008
3-Apr-08		22-Apr-08	4/22/2008
18-Apr-08		17-May-08	5/17/2008
22-Apr-08		17-May-08	5/17/2008
6-May-08		17-May-08	5/17/2008
8-May-08		17-May-08	5/31/2012
27-Jun-08		17-Jul-08	7/17/2008
17-Jul-08		31-Jul-08	7/31/2008
31-Jul-08		5-Aug-08	8/5/2008
22-Aug-08		10-Sep-08	
10-Sep-08		24-Sep-08	4/4/2012
10-Sep-08		2-Oct-08	10/2/2008
2-Oct-08		26-Mar-09	3/26/2009
27-Oct-08		19-Nov-08	5/31/2012
29-Oct-08		19-Nov-08	11/19/2008
31-Oct-08		19-Nov-08	5/31/2012

Category 3		225	0
Category 1		100	0
Category 3	30	30	0
Category 3	1	1	0
Category 3	70	70	70
Category 3	50	50	50
Category 1		500	0
Category 3		250	0
Category 1		88000	20000
Category 3		10	
Category 2		2000	0
Category 3		100	
Category 1		250000	0
Category 3		75	
Category 3		293	90
Category 2		70000	0
Category 3		600	0
Category 3		30	25
Category 3		200	0
Category 3		500	0
Category 3		50	0
Category 3		200	125
Category 3		80	55
Category 3		5	0
Category 1		3000	2600
Category 3		20	0
Category 3		15	15
Category 2		7500	1200
Category 3		600	0
Category 2		3000	0
Category 1		500	0
Category 3		15	10
Category 1		30240	5000
Category 2		2500	600
Category 3		200	100
Category 3		15	0
Category 2		1500	0
Category 3		200	50
Category 2		8288	0
Category 3		100	80
Category 3		35	0
Category 3		120	0
Category 3		4	0
Category 3		15	15
Category 3		337	100
Category 3		25	20
Category 1		169	0
Category 3		30	25
Category 3		400	400
Category 3		120	100
Category 3		300	0
Category 3		150	0
Category 3		300	0
Category 3		20	20
Category 3		400	150

0	No	No
25	No	Yes
0	No	No
0	No	No
0	No	No
0	No	No
500	No	Yes
0	No	No
68000	Yes	No
	No	No
0	No	No
	No	No
250000	Yes	Yes
	No	No
	No	No
0	No	No
0	No	No
	No	No
0	No	No
	No	No
0	No	No
0	No	No
0	No	Yes
	No	No
400	No	Yes
0	No	No
0	No	No
0	No	Yes
0	No	No
0	No	Yes
500	Yes	Yes
	No	No
25240	Yes	Yes
0	No	Yes
	No	No
	No	No
0	No	Yes
0	No	Yes
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0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	Yes
0	No	No
169	Yes	Yes
0	No	Yes
0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	Yes
0	No	No
0	No	Yes

Not Applicable - Spill did not reach a separate storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Yes
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe
No

Pepper Canyon
CUP - East Side
Building 401 - Southside
UC 401 - South Side
Literature Building
Warren Lecture Hall - Mechanical Room
MH11-Y187
14 Area
Manhole 11-Y-11
Bldg 53523. 53 Area
MH-14-Y-11, 31 Area
PS 31227 31 Area
Marine Corps Air Station, Camp Pendleton
PS 250263, 25 Area
Bldg 1482
STP 11- 52/53 Area Influent Pump Station
52 Area, Old Head work for STP 11
Warrior Rd., MCAS
63 Area
31 Area
33 Area
52 Area MH 11-Y-33
San Onofre Housing, Lift Station 51056
Del Mar Camp Ground
Culvert behind Bldg 22188 Motor Transport
Manhole 13Y211 near Bldg. 210730
Sewer overflow from manhole in parking lot next to Bldg 2238
Sewer overflow at manhole near bldg 13107
Vado Del Rio Road Area 25
51 Area Mobile Home Park
Manhole #03Y002
Deluz Road near Bldg 1292
Gravity Line break 33 area Near Bldg33543, manhole 08Y008
Bldg 13053, sewer manhole 01-Y-040
Pump Station 31220
Sewer Overflow Bldg 33607
I-5 and Basilone Road Bridge
Basilone Road at Manhole 11Y189 and 11Y188
Sewer Overflow from lateral cleanout, Bldg. 16105
13 Area Building No. 1375
Lift Station 250263
13 Area Parking lot for buildings 1341, 1342, 1344, 1345
Clean out at Bldg 62433
Manhole at Bldg 20831
Anderso Street 51 Area Marine Corps Base Camp Pendleton
22 Area Parking Lot Building 2238
Sewer lift station #230171
Sewer Overflow at Manhole 01Y046A
33 Area Building 33605 Parking lot
Manhole 13Y884 31 Area Stuart Mesa Housing
12 Area Intersection of Vandegrift and De Luz Road
52 area, Basilone Rd.
PVC Air Release Valve, 25 Area
12 area near lift station 12109
DeLuz Housing, Corner of Chosin and Wonson

32.877414	-117.23177	San Diego
32.874315	-117.238786	San Diego
32.878056	-117.236111	San Diego
32.878056	-117.236111	San Diego
32.880278	-117.233889	San Diego
32.88042	-117.23501	San Diego
33.394444	117.575556	San Diego
33.313889	-117.300556	San Diego
33.395775	117.522224	San Diego
33.375553	117.47611	San Diego
33.268611	117.425556	San Diego
33.237675	117.402436	San Diego
33.29575	117.354856	San Diego
33.315278	117.344167	San Diego
33.313122	117.306322	San Diego
33.394722	117.533056	San Diego
33.3953	-117.53264	San Diego
33.302222	117.347506	San Diego
33.429722	-117.5675	San Diego
33.254444	117.405278	San Diego
33.310833	117.368056	San Diego
33.396667	117.521111	San Diego
33.38731	-117.56839	San Diego
33.216146	117.402384	San Diego
33.17	-117.21	San Diego
33.1318	-117.242	San Diego
33.1734	-117.2132	San Diego
33.3125	-117.309444	San Diego
33.335	117.335	San Diego
33.408333	-117.575833	San Diego
33.288245	117.371659	San Diego
33.310778	117.320781	San Diego
33.311192	117.365322	San Diego
33.304158	-117.316625	San Diego
33.243669	117.395919	San Diego
33.312586	117.369189	San Diego
33.383278	-117.576789	San Diego
33.387406	-117.568117	San Diego
33.299775	117.314586	San Diego
33.304167	117.314722	San Diego
33.353611	117.303056	San Diego
33.301111	117.32	San Diego
33.251938	117.333259	San Diego
33.135155	117.232752	San Diego
33.395833	-117.587222	San Diego
33.2925	117.359722	San Diego
33.299958	117.347477	San Diego
33.306	-117.315	San Diego
33.313572	-117.369674	San Diego
33.254444	-117.413611	San Diego
33.32	117.31	San Diego
33.403813	-117.524964	San Diego
33.318145	-117.344316	San Diego
33.32055	-117.312542	San Diego
33.326102	-117.30798	San Diego

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San Onefre Housing, manhole MH11-Y187
Cleanout

The sewage oveflowed from a clean out located at the west side of building 53523
Manhole 14-Y-11
Wet well of PS 31227.
The spill is the result of an illicit connection of two bathrooms in an office building into a storm drain pipe. The storm drai
Influent Manhole at Pump Station 250263, 25 Area
Overflow from a sewer cleanout underneath a raised building.
The manhole located southwest of Plant 11 overflowed when the electrical system of the motor control center to the lift s
Sewage overflowed from an old, recentlt taken out of service, head works of Sewer Treatment Plant 11; flowed app. 200
Sewage overflowed from a manhole located in the parking by bldg 2397.
The spill location is along the side of Christianitos Rd (northeast direction).
Sewage overflowed from a manhole located on the thick vegetation parallel to Stuart Mesa Rd.
Manhole # 08-Y-37 located west of a basketball court adjacent to building No 33531

The spill occured out of a manhole at lift station 51056. The station lost electrical power during a lightning storm.

Spill occured in a culvert behind Bldg 22188, while maintenance crews were cleaing brush.
Sewer overflowed at manhole 13Y211. The sewer line and manhole were obstructed

Force Main Clean out. When pumps from Lift Station powered up, 20 gallons of wastewater would rise from cleanout box

A crack on a sewer force main clean out
Spill occured in a undeveloped ravine area. The recent rains had eroded the soil underneath a cement encased clay 12 i
Manhole located in a rear corner of a secured compound.

Parking lot for

Manhole in parking lot adjacant to building 2238

Parking lot of Barracks
Residential Street

An air relief valve on a sewer force main broke.
A heavy equipment vehicle struck a powerline and pulled down a utlity pole. A 90 degree PVC force main air release ver

1
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3
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n pipe empties into a concrete channel f

tation failed.
feet northwest of the structure.

: and travel down Vado Del Rio Road of

nch sewer line. The erosion caused the

nt was attached to the pole and was shea

Manhole
Other sewer system structure
Lateral Clean Out (Public)
Lateral Clean Out (Public)
Inside Building or Structure
Inside Building or Structure
Manhole
Gravity sewer
Manhole
Other (specify)
Manhole
Other (specify)
Other (specify)
Pump station
Building or structure
Manhole
Other (specify)
Manhole
Other (specify)
Manhole
Manhole
Manhole
Pump station
Manhole
Force main or pressure sewer
Manhole
Manhole
Manhole
Other (specify)
Force main or pressure sewer
Manhole
Manhole
Gravity sewer
Manhole
Pump station
Other (specify)
Building or structure
Manhole
Building or structure
Building or structure
Pump station
Building or structure
Building or structure
Manhole
Manhole
Manhole
Pump station
Manhole
Manhole
Manhole
Force main or pressure sewer
Force main or pressure sewer
Force main or pressure sewer
Force main or pressure sewer
Manhole

Cleanout

Two Restrooms and one classroom.

Lateral Clean out

Sewage flowed from the wet well of the pump station.
Concrete storm channel in front of building 2378 at the Marine Corps Air Station at Camp Pendleton.
The grinder at the PS was found turned off (cause unknown), causing a build-up of grindable materials and an overflow fr

Spill from manhole, the result of a pump station failure.
Old head works for STP 11.

A cracked cap of a 1 PVC underground pipe caused slowly leakage of sewage. The date the spill started was unknowne

Force Main Cleanout

Sanitary sewer overflow on 11-30-07 due to a reported rainfall of 2.86 inches on Camp Pendleton.

Lateral cleanout on bldg 33607.
Spill coming out from under the bridge overpass. The force main is routed through the interior of the bridge. The flow is

Lateral Cleanout
Clean ou at Bldg

Unpaved surface
Other paved surface;Separate storm drain;Street/curb and gutter;Unpaved surface
Paved Surface;Unpaved surface
Paved Surface;Unpaved surface
Building or Structure
Building or Structure
Unpaved surface
Unpaved surface
Surface water;Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Beach;Storm drain;Surface water
Unpaved surface
Building or structure;Unpaved surface
Other (specify below)
Unpaved surface
Other paved surface
Unpaved surface
Unpaved surface
Unpaved surface
Other paved surface;Street/curb and gutter;Unpaved surface
Other (specify below)
Unpaved surface
Other (specify below)
Unpaved surface
Other paved surface
Separate storm drain;Unpaved surface
Street/curb and gutter;Unpaved surface
Separate storm drain;Unpaved surface
Storm drain;Surface water
Unpaved surface
Storm drain;Unpaved surface
Separate storm drain
Unpaved surface
Unpaved surface
Separate storm drain;Unpaved surface
Separate storm drain;Unpaved surface
Unpaved surface
Other paved surface;Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Other paved surface
Separate storm drain
Other paved surface;Storm drain;Street/curb and gutter;Surface water;Unpaved surface
Other (specify below)
Other (specify below)
Other paved surface
Other paved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface

Sewage spill percolated into the ground.
Spill percolated into the ground.

Spill ponded adjacent to the influent manhole and then flowed approximately 60 feet down a dirt swale before percolating

Spilled into Plant 11 abandoned percolation pond (unpaved surface) adjacent to the plant.
Sewage spill percolated into the ground.

Seawge spill percolated into the ground.
Sewage spill ponded and percolated into the ground.

Sewage spilled on the asphalt parking lot dried up; a portion that flowed on the unpaved surface per colated into the grou
The spill entered a storm drain that empties into a heavily vegetated area approximately 600 feet north of the San Onofre

Unpaved drainage channel

The spill entered an earthen drainage ditch and was contained. Spill ponded before reaching Pilgrim Creek.

The spill flowed into an enclosed ditch and stopped at sandbags that were used to block the storm drain. 30 gallons of sev

Maintenance crews recovered 5000 gallons from the stormwater discharge point at the Santa Margarita Riverbed.
The spill traveled over pavement into the street curb and 0.4 miles to a storm drain on the side of Vandegrift Rd. The dra

The sewage overflowed onto grass in front of the building with potential for human contact. The grass area was treated w
Storm drain discharged to an undeveloped area. Approximately 200 gallons ponded at the end of a stormwater discharge

The building is set above ground. The spill mostly remained underneath the building with smaller volume spilling to a nea

The spill was completely contained and returned to the sewer
The spill reached a storm drain and was fully contained. The storm drain is located 2,144 feet from the San Onofre Creek
Parking lot
The spill reached a storm drainage ditch that discharges to the Santa Margarita River 2.5 miles from the spill release.
25 gallons overflowed into the storm drain. Approximately 5 gallons percolated into the ground
Parking lot
Spill entered storm drain and traveled 200 feet to open storm channel. Storm channel is 5,000 feet long and ends in a ca

The spill reached a storm drain that discharges to a wooded field. Once the spill reached the end of the storm drainpipe, i

The spill reached a storm drain and percolated into an unpaved surface at the outlet of the storm drainpipe.

4/29/2013 13:04	4/29/2013 13:07	4/29/2013 13:17	4/29/2013 14:19
6/3/2013 0:00	6/3/2013 9:15	6/3/2013 9:15	6/3/2013 9:30
10/25/2013 17:00	10/25/2013 17:32	10/25/2013 17:40	10/25/2013 19:00
11/5/2013 15:00	11/5/2013 16:00	11/5/2013 16:00	11/5/2013 16:05
10/11/2013 11:57	10/11/2013 11:57	10/11/2013 11:57	10/11/2013 14:00
10/24/2013 0:00	10/24/2013 2:00	10/24/2013 5:40	10/24/2013 6:29
1/24/2007 20:00	1/24/2007 21:30	1/25/2007 3:00	1/24/2007 21:30
1/25/2007 14:30	1/25/2007 14:48	1/25/2007 14:50	1/25/2007 16:30
2/7/2007 2:00	2/7/2007 9:00	2/7/2007 9:15	2/7/2007 11:00
2/21/2007 10:30	2/21/2007 10:50	2/21/2007 10:40	2/21/2007 10:50
2/20/2007 0:00	2/20/2007 15:30	2/20/2007 15:00	2/20/2007 17:00
3/9/2007 12:45	3/9/2007 13:00	3/9/2007 13:00	3/9/2007 13:05
11/15/2006 0:00	3/27/2007 15:30	3/27/2007 15:40	3/27/2007 16:00
3/29/2007 7:59	3/29/2007 9:25	3/29/2007 8:30	3/29/2007 8:40
4/6/2007 11:10	4/10/2007 11:00	4/10/2007 11:00	4/10/2007 12:00
4/10/2007 16:00	4/11/2007 6:45	4/11/2007 6:45	4/10/2007 22:00
4/16/2007 12:30	4/16/2007 13:00	4/16/2007 13:30	4/16/2007 13:00
5/1/2007 13:30	5/1/2007 13:30	5/1/2007 14:30	5/1/2007 14:40
5/13/2007 0:00	5/13/2007 14:40	5/13/2007 14:45	5/13/2007 14:48
6/5/2007 13:00	6/5/2007 15:30	6/5/2007 15:30	6/5/2007 16:30
7/9/2007 11:00	7/9/2007 11:20	7/9/2007 11:05	7/9/2007 0:20
7/17/2007 13:00	7/17/2007 13:05	7/17/2007 13:17	7/17/2007 13:20
8/26/2007 16:00	8/26/2007 16:05	8/26/2007 16:05	8/26/2007 16:15
9/2/2007 19:00	9/2/2007 19:00	9/2/2007 19:00	9/2/2007 19:15
10/5/2007 10:45	10/5/2007 10:50	10/5/2007 10:55	10/5/2007 13:00
10/12/2007 6:30	10/12/2007 8:00	10/12/2007 12:30	10/12/2007 7:30
10/17/2007 13:50	10/17/2007 14:00	10/17/2007 14:05	10/17/2007 14:10
10/21/2007 8:00	10/21/2007 19:00	10/21/2007 19:30	10/21/2007 21:00
11/13/2007 7:00	11/13/2007 7:00	11/15/2007 11:20	11/15/2007 13:00
11/28/2007 15:30	11/28/2007 15:42	11/28/2007 16:29	11/28/2007 16:45
11/30/2007 17:00	11/30/2007 17:00	11/30/2007 17:00	11/30/2007 17:20
12/13/2007 7:30	12/13/2007 7:30	12/13/2007 7:30	12/13/2007 8:00
1/9/2008 0:00	1/9/2008 14:50	1/9/2008 14:50	1/9/2008 22:00
1/13/2008 0:00	1/14/2008 7:30	1/14/2008 8:00	1/14/2008 9:15
1/15/2008 9:30	1/15/2008 11:30	1/15/2008 11:30	1/15/2008 11:30
1/16/2008 13:00	1/16/2008 12:15	1/16/2008 12:30	1/16/2008 13:30
1/16/2008 11:00	1/16/2008 12:00	1/16/2008 12:30	1/16/2008 16:00
1/23/2008 11:30	1/23/2008 11:30	1/23/2008 11:30	1/23/2008 12:30
1/17/2008 0:00	1/29/2008 12:30	1/29/2008 12:45	1/29/2008 14:00
2/21/2008 7:00	2/21/2008 13:00	2/21/2008 13:10	2/21/2008 13:00
4/3/2008 6:00	4/3/2008 6:00	4/3/2008 6:00	4/3/2008 9:45
4/16/2008 7:00	4/16/2008 8:30	4/16/2008 8:40	4/16/2008 9:03
4/17/2008 10:00	4/17/2008 10:00	4/17/2008 10:10	4/17/2008 10:05
4/29/2008 8:45	4/29/2008 9:15	4/29/2008 8:45	4/29/2008 8:46
5/7/2008 7:30	5/7/2008 9:00	5/7/2008 9:50	5/7/2008 10:15
6/25/2008 14:15	6/25/2008 14:15	6/25/2008 14:30	6/25/2008 14:35
7/14/2008 21:00	7/15/2008 8:05	7/15/2008 8:18	7/15/2008 8:30
7/30/2008 15:00	7/30/2008 15:00	7/30/2008 15:15	7/30/2008 15:20
8/21/2008 17:20	8/21/2008 17:20	8/21/2008 18:15	8/21/2008 18:00
9/6/2008 20:55	9/6/2008 22:50	9/6/2008 22:30	9/6/2008 22:50
9/10/2008 8:45	9/10/2008 9:00	9/10/2008 8:45	9/10/2008 9:30
9/22/2008 16:58	9/22/2008 16:58	9/22/2008 16:58	9/22/2008 18:00
10/24/2008 0:00	10/24/2008 0:00	10/24/2008 0:00	10/24/2008 0:00
10/21/2008 9:30	10/21/2008 9:30	10/21/2008 9:30	10/21/2008 0:36
10/31/2008 13:00	10/31/2008 13:00	10/31/2008 13:20	10/31/2008 13:30

Root intrusion
Other (specify below)
Debris-General
Debris-General
Root Intrusion
Pipe Structural Problem/Failure - Installation
Root intrusion
Root intrusion
Debris
Other (specify below)
Pump station failure
Other (specify below)
Other (specify below)
Pump station failure
Root intrusion
Pump station failure
Other (specify below)
Other (specify below)
Other (specify below)
Debris
Other (specify below)
Other (specify below)
Pump station failure
Other (specify below)
Other (specify below)
Root intrusion
Debri-General
Root intrusion
Pipe structural problem/failure
Pipe structural problem/failure
Flow exceeded capacity
Pipe structural problem/failure
Pipe structural problem/failure
Vandalism
Pump station failure
Root intrusion
Pipe structural problem/failure
Grease deposition (FOG)
Debris
Root intrusion
Debris
Root intrusion
Debris
Other (specify below)
Root intrusion
Pipe structural problem/failure
Flow exceeded capacity
Root intrusion
Debri-General
Grease deposition (FOG)
Root intrusion
Pipe structural problem/failure
Other (specify below)
Pipe structural problem/failure
Grease deposition (FOG)

Blockage

Manhole cover deteriorated. Cover fell into manhole and rocks and debris fell into manhole and blocked pipe.
Obstruction of toilet paper and body wipes.

Contracctor error. A contractor inadvertently erased the pump stations system memory causing the pumps to continously
Illicit connection of newly refurbished office restrooms to a storm drain pipe instead of to the sanitary sewer collection sys
The pump station grinder power was inactivated. Assumed to be a manual shutdown of the grinder.

Pump #2 faulted and tripped the main MCC breaker. Thus, the second pump could not start, causing the upstream manh
Force main was connected to a sewage line that was still connected to the old headworks. The existence of the line was
Blockage in the main sewer line cause the manhole to overflow.
The slow leakage of sewage was caused by a cracked cap of a 1 PVC. The start date of this incident was unknown.

Cause of overflow unknown. The level of sewage subsided down and normal flow was restored without the aid of a jetter
A flapper valve installed in the manhole failed to open and caused a back up.

Power failure to pump station.
Back hoe operator was not aware of force main under a culvert that was being cleared of brush. The operator accidentall

Heavy rainfall on 11/30/07

The start time of the spill is undetermined. The collection system operator noted a decreased flow at a pump station and
Someone had opened the manhole lid and placed a bag of trash down the manhole. The spill start time is undetermined l

The spill was discovered at 1100 hours by a CalTrans maintenance crew. The actual start time cannot be determined. T

The start time of the spill is not known. The occupants of the building submitted work orders to the maintenance departm

Combination of root intrusion and debris

Contracted repairs were being done to the manhole and a surge of wastewater came in before the repair crew could turn

A heavy equipment vehicle struck a powerline and pulled down a utlity pole. A 90 degree PVC force main air release ver

Main
Upper Lateral
Upper Lateral (Public)
Lower Lateral (Public)
Upper Lateral (Public)
Upper Lateral (Public)

pump sewage to the wet well. As a result the we
tem

ole to overflow to the adjacent old Plant 11 perc
Main

Other (specify below)

of vactor.

Other (specify below)

Other (specify below)

Main

Other (specify below)

called the Wastewater Supervisor. The WW Su
Main

Other (specify below)
Main
ent complaining of backed up toilets. The main

Main
Lower Lateral
Other (specify below)

Main
Main
Main
Other (specify below)
Other (specify below)
Main
Main

et well overflowed.

colation pond. These specific percolation ponds were part of a previous effluent discharge configuration and are no longer

1 riser on force main

Lift station 51056

Force main

Force main

upervisor directed staff to look for spills along the route of the collection system leading to the pump station. Staff located

Force Main

tenance department responded to the toilet tickets and were not made aware that there was a suspected sewer overflow f

The failure and spill was at the pump station

Force Main
Air relief valve on force main
Force main air release

No
No
No
No

8 VCP
4 ABS

in use.

1 PVC
15 Clay

8 PVC

the spill at 1450 hours on 1/

12 Clay

rom a lateral cleanout under

Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow

Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Other (specify below)
Restored flow
Other (specify below)
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Restored flow
Inspected sewer using CCTV to determine cause;Other (specify below)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Restored flow
Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Other (specify below)
Contained all or portion of spill;Restored flow;Other (specify below)
Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Restored flow
Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill)
Other (specify below)
Cleaned-up (mitigated effects of spill);Restored flow
Contained all or portion of spill
Restored flow;Returned all or portion of spill to sanitary sewer system

The lines was cleared with a high water pressure jetter and impacted area was limed. One sign was posted to warn persc

The pumps were manually shut off to stop the overflow.
The water and sewage was removed from the concrete channel using vactor trucks. The illicit connection was severed ar
Grinder power was turned on to stop the spill. Absorbent pads were used to clean-up contaminated area. Sand bags wer

Re-energized motor control center 5 and started pump #1. Pump#2 VFD would not energize. Limed road only.
The flow was turned off until line was located. The connection was cut and capped to avoid flow to the old headwork.

Sewage spill had percolated into the ground; thus crew unable to recover any portion. The cap was replaced and flow wa
With CCTV, blockage was determined to be the cause. Blockage was cleared with a high pressure water jetter and a vac

The line was jetted to clear blockage and discovered the flapper valve on the upstream portion of the manhole. The flapp

Power to Lift Station pumps was secured, stopping flow.
Wastewater Operator turned off the lift station to immediately stop the flow. This pump station has 2 force mains that flo
The wastewater plant operator maximized the nearby sewer plants influent pumps and maximized the hydralic flow throu

The maintenance crew were able to recover 5000 gallons of ponded water from the discharge end of the stormwater pipe

The force main was repaired in place by lining the interior of the pipe.

The spill site was covered by lime. The occupants of the building notified the Base Preventative Medicine Department to

The contractor kept the repair site staffed 24 hours per day to ensure the by-pass pump stayed on during the manhole re

Vactored 400 gallons of wastewater

Repaired relief valve.

6/3/2013 9:30

1/25/2007 9:30

2/7/2007 14:00

2/20/2007 17:00

4/5/2007 16:00

4/11/2007 8:00

8/26/2007 16:15

10/5/2007 13:00

10/22/2007 13:00
11/15/2007 17:00
11/29/2007 14:00
11/30/2007 23:55

1/15/2008 16:00
1/14/2008 13:00

2/2/2008 16:00
1/24/2008 12:00
1/31/2008 12:00

7/15/2008 9:00

9/6/2008 22:55

10/24/2008 0:00

10/31/2008 15:00

Added sewer to preventive maintenance program

Other (specify below)

Plan rehabilitation or replacement of sewer

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer

Repaired sewer;Other (specify below)

Added sewer to preventive maintenance program

Plan rehabilitation or replacement of sewer;Repaired sewer

Repaired sewer;Other (specify below)

Plan rehabilitation or replacement of sewer;Repaired sewer
Repaired sewer
Plan rehabilitation or replacement of sewer;Repaired sewer
Other (specify below)

Repaired sewer
Other (specify below)

Repaired sewer
Other (specify below)
Repaired sewer

Other (specify below)

Added sewer to preventive maintenance program

Repaired sewer

Repaired sewer

Hydrojetted the blockage to clear the line and restore flow.

In addition to repairs of this specific connection, the Navy will contract a project to confirm all new sewer connections fron

Installed temporary pump and confirmed receipt of alarm signal to SCADA monitoring. Upgraded high level alarm signal

Maintenance staff will post signage waring of underground sewage pipes.

Follow up report with wastewater operators developing an SOP in the event of heavy Rainfall

The area commander was briefed on the cause (vandalism) and he stated he will discuss the issue with the personnel in t

To be determine after investigation complete.

The spill was caused by dewatering groundwater, from a construction project, into the pump station that could not handle

No

No

Yes

No

Yes

No

No

No

Yes
No
No
No

No
No

No
Yes
No

No

No

No

No

None
There were visible signs of feces and items of sewage origin in the concrete channel leading to the earthen portion of the

The mouth of the San Onofre creek remained closed. Flow did not reach an ocean beach. Discharge from storm drain pe

All standing water was removed from the dirt culvert. The rest of the spill percolated into soft soil. The wet soil was cove

Spill remained in earthen drainage channel. The site was posted because it is in a high pedestrian traffic area.

Spill response staff walked down into San Onofre creek to determine if the spill had reached the creek bed. The creek be

The storm drain discharge empties into the north side of the Santa Margarita Riverbed. The actual flow of the river is 18(
Camp Pendleton staff traced the flow of the stormwater drainage downstream of the spill entering the stormwater drain.

The spill entered a storm drain that discharges to San Onofre Creek. The Creek is not flowing at this time and the mouth

NA
Spill did not reach receiving water.

No

No

Yes

No

No

No

No

No

Yes
No
No
No

No
No

No
No
No

No

No

No

No

NA

NA

N/A

Santa Margarita Estuary

NA

NA

None

NA
NA
The mouth of San Onofre Creek is was not open to the ocean at the time of the spill. Spill response staff drove down to t
The mouth of Santa Margarita River. Not likely much impact with volume released

NA
NA

none
NA
NA

NA

NA

NA

NA

NA

Not applicable to this spill.
Not applicable to this spill.

NA

San Onofre Creek

N/A

Santa Margarita River

NA

San Onofre Creek

None

NA
NA
A dry San Onofre Creek bed. Visual inspection on 11-29-07 by Camp Pendleton staff could find no evidence of spill reacl
Santa Margarita River

Santa Margarita Riverbed. The River flow is 1800 feet from water ponded at the stormwater discharge site.
Sewage did not appear to reach any surface waters. Pilgrim Creek is the nearest waterway.

The spill did not reach San Mateo Creek
San Onofre Creek is not flowing at this time.
NA

NA

Dry River bed at the Santa Margarita River

NA

NA

NA

Not applicable to this spill

Not applicable to this spill

No water quality samples taken

Not applicable to this spill

Biological indicator(s) - specify below

Not applicable to this spill

Not applicable to this spill

No water quality samples taken

Not applicable to this spill

Not applicable to this spill
No water quality samples taken

No water quality samples taken
No water quality samples taken

Not applicable to this spill
No water quality samples taken
Not applicable to this spill

No water quality samples taken

Not applicable to this spill

No water quality samples taken

Not applicable to this spill

Total and fecal coliform enterococcus

Not applicable to this spill

None of the above

No water quality samples taken

None of the above

County Health Agency

Not applicable to this spill

None of the above

None of the above

None of the above
None of the above
None of the above
No water quality samples taken

None of the above
None of the above

None of the above
None of the above
No water quality samples taken

None of the above

None of the above

None of the above

No water quality samples taken

133344	6/3/2013 10:56
7856	2/7/2007 12:46
71142	2/21/2007 16:30
71965	3/28/2007 9:20
72250	4/11/2007 12:52
76066	10/5/2007 14:17
76440	10/22/2007 9:23
77358	11/28/2007 19:15
80333	1/9/2008 17:57
80425	1/14/2008 14:25
80501	1/16/2008 19:18
80898	1/29/2008 15:46
85178	7/15/2008 10:25
	10/31/2008 16:20

Valerie Fanning Environmental Compliance	8585349695
Valerie Fanning Environmental Compliance	8585349695
Valerie Fanning Environmental Compliance	8585349695
Valerie Fanning Environmental Compliance	8585349695

9SSO10710	Active	729441	Luis Ledesma	Certified
9SSO10710	Active	730524	Luis Ledesma	Certified
9SSO10710	Active	732902	Luis Ledesma	Certified
9SSO10710	Active	735464	Luis Ledesma	Certified
9SSO10710	Active	735842	Luis Ledesma	Certified
9SSO10710	Active	735867	Luis Ledesma	Certified
9SSO10710	Active	736849	Luis Ledesma	Certified
9SSO10710	Active	737915	Luis Ledesma	Certified
9SSO10710	Active	739820	Luis Ledesma	Certified
9SSO10710	Active	741905	Luis Ledesma	Certified
9SSO10710	Active	742213	Luis Ledesma	Certified
9SSO10710	Active	745532	Luis OLedesma	Certified
9SSO10710	Active	745533	Luis Ledesma	Certified
9SSO10710	Active	746365	Luis Ledesma	Certified
9SSO10710	Active	746428	Luis Ledesma	Certified
9SSO10710	Active	747656	Luis Ledesma	Certified
9SSO10710	Active	747658	Luis Ledesma	Certified
9SSO10710	Active	748377	Luis Ledesma	Certified
9SSO10710	Active	748379	Mark Bonsavage	Certified
9SSO10710	Active	748482	Mark Bonsavage	Certified
9SSO10710	Active	748733	Luis Ledesma	Certified
9SSO10710	Active	749812	Luis Ledesma	Certified
9SSO10710	Active	751188	Luis Ledesma	Certified
9SSO10710	Active	751193	Luis Ledesma	Certified
9SSO10710	Active	751197	Luis Ledesma	Certified
9SSO10710	Active	751198	Luis Ledesma	Certified
9SSO10710	Active	751335	Luis Ledesma	Certified
9SSO10710	Active	752790	Luis Ledesma	Certified
9SSO10710	Active	753067	Luis Ledesma	Certified
9SSO10710	Active	754380	Luis Ledesma	Certified
9SSO10710	Active	754701	Luis Ledesma	Certified
9SSO10710	Active	755462	Luis Ledesma	Certified
9SSO10710	Active	755486	Luis Ledesma	Certified
9SSO10710	Active	755626	Luis Ledesma	Certified
9SSO10710	Active	756016	Luis Ledesma	Certified
9SSO10710	Active	756285	Luis Ledesma	Certified
9SSO10710	Active	756578	Luis Ledesma	Certified
9SSO10710	Active	757058	Luis Ledesma	Certified
9SSO10710	Active	757299	Luis Ledesma	Certified
9SSO10710	Active	757422	Mark Bonsavage	Certified
9SSO10710	Active	757812	Luis Ledesma	Certified
9SSO10710	Active	758152	Luis Ledesma	Certified
9SSO10710	Active	758356	Luis Ledesma	Certified
9SSO10710	Active	758425	Luis Ledesma	Certified
9SSO10710	Active	759095	Luis Ledesma	Certified
9SSO10710	Active	759673	Mark Bonsavage	Certified
9SSO10710	Active	760231	Luis Ledesma	Certified
9SSO10710	Active	760240	Luis Ledesma	Certified
9SSO10710	Active	760290	Luis Ledesma	Certified
9SSO10710	Active	761179	Luis Ledesma	Certified
9SSO10710	Active	762328	Mark Bonsavage	Certified
9SSO10710	Active	762782	Luis Ledesma	Certified
9SSO10710	Active	764358	Mark Bonsavage	Certified
9SSO10710	Active	765604	Mark Bonsavage	Certified
9SSO10710	Active	765825	Mark Bonsavage	Certified

Wastewater Branch Head
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Legally Responsible Official
Legally Responsible Official
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Legally Responsible Official
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Wastewater Branch Head
Wastewater Branch Head
Wastewater Branch Head
Legally Responsible Official
Wastewater Branch Head
Wastewater Branch Head
Wastewater Branch Head
Wastewater Branch Head
Environmental Engineering Division Head
Wastewater Branch Head
Environmental Engineering Division Head
Legally Responsible Official
Legally Responsible Official

MCB Camp Pendleton	576397
MCB Camp Pendleton	710910
MCB Camp Pendleton	516849
MCB Camp Pendleton	720793
MCB Camp Pendleton	809933
MCB Camp Pendleton	103183
Camp Pendleton	499174
MCB Camp Pendleton	722681
MCB Camp Pendleton	202590
MCB Camp Pendleton	296210
MCB Camp Pendleton	226767
Camp Pendleton	572826
Camp Pendleton	700736
Camp Pendleton	828093
MCB Camp Pendleton	334220
MCB Camp Pendleton	564067
MCB Camp Pendleton	341114
MCB Camp Pendleton	827141
Camp Pendleton	155355
Camp Pendleton	273852
MCB Camp Pendleton	864054
MCB Camp Pendleton	321552
MCB Camp Pendleton	200025
MCB Camp Pendleton	361579
MCB Camp Pendleton	942954
MCB Camp Pendleton	120076
MCB Camp Pendleton	706722
Camp Pendleton, CA	847955
MCB Camp Pendleton	148445
MCB Camp Pendleton	391416
MCB Camp Pendleton	297482
MCB Camp Pendleton	330519
MCB Camp Pendleton	762562
MCB Camp Pendleton	525076
MCB Camp Pendleton	673918
MCB Camp Pendleton	709743
MCB Camp Pendleton	847692
MCB Camp Pendleton	304824
MCB Camp Pendleton	416637
Camp Pendleton	751880
MCB Camp Pendleton	684640
MCB Camp Pendleton	181918
MCB Camp Pendleton	698880
MCB Camp Pendleton	263245
MCB Camp Pendleton	172606
Camp Pendleton	450621
MCB Camp Pendleton	668879
MCB Camp Pendleton	896302
MCB Camp Pendleton	679505
MCB Camp Pendleton	525192
Camp Pendleton	805409
MCB Camp Pendleton	903903
CIWQS	726335
Camp Pendleton	764887
Camp Pendleton	844937

19-Nov-08		3-Dec-08	12/3/2008
15-Dec-08		5-Jan-09	1/5/2009
2-Feb-09		8-Apr-09	4/8/2009
25-Mar-09		2-Apr-09	4/2/2009
1-Apr-09		2-Apr-09	4/2/2009
2-Apr-09		2-Apr-09	4/2/2009
27-Apr-09		26-May-09	5/26/2009
26-May-09		26-May-09	5/26/2009
23-Jun-09		23-Jun-09	6/23/2009
27-Jul-09		31-Jul-09	7/31/2009
31-Jul-09		31-Jul-09	7/31/2009
9-Oct-09		9-Oct-09	10/9/2009
9-Oct-09		9-Oct-09	10/9/2009
29-Oct-09		29-Oct-09	10/29/2009
2-Nov-09		2-Nov-09	11/2/2009
18-Dec-09		18-Dec-09	12/18/2009
18-Dec-09		18-Dec-09	12/18/2009
15-Jan-10		15-Jan-10	1/15/2010
15-Jan-10		15-Jan-10	5/31/2012
20-Jan-10		12-Feb-10	5/31/2012
23-Jan-10		12-Feb-10	2/12/2010
25-Feb-10		25-Mar-10	3/25/2010
31-Mar-10		31-Mar-10	3/31/2010
31-Mar-10		31-Mar-10	3/31/2010
31-Mar-10		31-Mar-10	3/31/2010
31-Mar-10		31-Mar-10	3/31/2010
6-Apr-10		6-Apr-10	4/6/2010
28-May-10	5/28/2010	4-Jun-10	6/4/2010
4-Jun-10	6/4/2010	2-Jul-10	7/2/2010
2-Jul-10	7/2/2010	9-Jul-10	11/5/2010
9-Jul-10	7/9/2010	9-Jul-10	7/9/2010
26-Jul-10	7/26/2010	9-Aug-10	8/9/2010
27-Jul-10	7/27/2010	9-Aug-10	8/9/2010
29-Jul-10	7/29/2010	9-Aug-10	8/9/2010
16-Aug-10	8/16/2010	1-Oct-10	10/1/2010
24-Aug-10	8/24/2010	1-Oct-10	10/1/2010
3-Sep-10	9/3/2010	15-Sep-10	9/15/2010
22-Sep-10	9/22/2010	1-Oct-10	10/1/2010
1-Oct-10	10/1/2010	1-Oct-10	10/1/2010
6-Oct-10	10/6/2010	6-Oct-10	5/31/2012
15-Oct-10	10/15/2010	15-Oct-10	10/15/2010
26-Oct-10	10/26/2010	26-Oct-10	10/26/2010
4-Nov-10	11/4/2010	4-Nov-10	11/4/2010
9-Nov-10	11/9/2010	3-Dec-10	12/3/2010
3-Dec-10	12/3/2010	3-Dec-10	12/3/2010
21-Dec-10	12/21/2010	27-May-11	5/27/2011
5-Jan-11	1/5/2011	13-Jan-11	1/13/2011
5-Jan-11	1/5/2011	13-Jan-11	1/13/2011
5-Jan-11	1/5/2011	19-Jan-11	1/19/2011
13-Jan-11	1/13/2011	13-Jan-11	1/13/2011
1-Feb-11	2/1/2011	8-Mar-11	3/30/2011
9-Feb-11	2/9/2011	8-Mar-11	3/8/2011
14-Mar-11	3/14/2011	2-May-11	5/2/2011
19-Apr-11	4/19/2011	16-May-11	5/16/2011
27-Apr-11	4/27/2011	16-May-11	5/16/2011

Category 3	150	0
Category 3	100	25
Category 2	9736	9736
Category 1	47915	5500
Category 3	500	500
Category 3	1	1
Category 2	1716	0
Category 3	200	50
Category 3	25	0
Category 1	20	0
Category 3	200	20
Category 3	200	200
Category 3	5	0
Category 3	40	0
Category 3	200	150
Category 3	25	2
Category 3	3	0
Category 3	2	0
Category 3	500	500
Category 2	3000	0
Category 1	3000	0
Category 1	7500	0
Category 3	100	0
Category 3	15	0
Category 3	20	0
Category 3	125	0
Category 3	2	0
Category 2	1000	500
Category 3	200	200
Category 2	11600	10600
Category 3	5	5
Category 2	5350	4800
Category 3	50	30
Category 2	1528	1360
Category 3	20	20
Category 3	400	150
Category 3	10	10
Category 3	150	0
Category 2	12000	11400
Category 3	25	0
Category 3	50	20
Category 3	100	25
Category 3	40	40
Category 3	50	40
Category 3	50	0
Category 1	500	0
Category 1	4000	0
Category 1	12000	0
Category 1	250	0
Category 3	500	350
Category 1	200	150
Category 2	1000	800
Category 3	50	0
Category 3	400	200
Category 3	15	10

0	No	No
0	No	No
0	No	No
42415	Yes	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
20	No	Yes
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	Yes
0	No	Yes
3000	Yes	No
7500	Yes	Yes
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	Yes
0	No	Yes
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
500	Yes	No
4000	Yes	No
12000	Yes	No
250	Yes	Yes
0	No	No
50	No	Yes
0	No	No
0	No	Yes
0	No	No
0	No	No

Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe

14 area, Bldg 1441
27 Area Maintenance access road between MCBCP Hospital and Oniel Housing
Force Main Near LS41300
Tributary Area Pump Station 2
Lift Station 31334
Vandegrift next to Bldg 20802
Bldg 13145
StageCoach Rd/ Trib Area 8
Pressure Relief Valve #4
Manhole 02-Y-144
Bldg 12075 Motor Pool
51 Area near San Onofre Gate
Chaisson Rd Abandoned Gravity Line
Manhole 2-Y-033
Manhole next to Bldg. 14137
TAPS 3 air relief valve #2
Pump Station 41300
Stuart Mesa Ag Field PRV #4
104 A/B Wonsan
MH at Bldg 140210
Basilone Rd. 51 Area
Training Street MCAS
Bldg 1342
Bldg 14137
Lift Station 51056
Service Road Near Bldg 13147
Air Relief Valve #10 on force main from LS31520
Bldg 20850
303 Chosin Circle
Basilone Road 52 Area Sta 86+00
Vandegrift Blvd at Manhole 03-Y-012
52 Area Basilone Road near STP 11
Air relief valve #2 from 31520 Force Main
52 Area Basilone Rd Near STP 11 near STA 104 & 35
Del Mar Beach Camp Grounds site 65 & 66
Sewer Overflow Lift Station 31220
41 Area (Los Flores) Bldg 4100365, Supply Bldg
Del Mar Bath House Bldg 210592 (Clean out)
Force Main replacement near Lift Station 51056
Lift Station 23060
Tributary Pump Station 3
Sewer Overflow at Lift Station 630121
Bldg 1330 Movie Theater
Bldg 1146 Base Library
Air Relief valve 31520-31227 Force Main
Lift Station 630121
Tributary Area Pump Station 2
Tributary Area Pump Station 2
21 Area construction site
Bldg 2230 Laundry Facility
Del Mar Housing
20 Area Big box 15 inch gravity main
Preesure Relief Valve P8 Ar1
Manhole behind 110 Pauma
Energy Utilities Project, Wire Mountain Rd.

33.310886	-117.299432	San Diego
33.344	117.326	San Diego
33.193791	-117.254071	San Diego
33.165527	-117.11843	San Diego
33.251122	-117.42561	San Diego
33.238632	-117.381605	San Diego
33.308	-117.319	San Diego
33.312251	-117.312251	San Diego
33.252236	-117.4128811	San Diego
33.287609	-117.29884	San Diego
33.315586	-117.31037	San Diego
33.38774	-117.58118	San Diego
33.393234	-117.57596	San Diego
33.231	-117.392	San Diego
33.314518	-117.300256	San Diego
33.254626	-117.371911	San Diego
33.288338	-117.44123	San Diego
33.252236	-117.412811	San Diego
33.32569	-117.30761	San Diego
33.318392	-117.304214	San Diego
33.3891	-117.5552	San Diego
33.2991971	-117.34846	San Diego
33.302485	-117.320002	San Diego
33.31312	-117.297274	San Diego
33.31312	-117.297274	San Diego
33.31312	-117.297274	San Diego
33.252236	-117.412811	San Diego
33.22816	-117.393005	San Diego
33.326389	-117.308056	San Diego
33.3944009	-117.539119	San Diego
33.29244	-117.36076	San Diego
33.396407	-117.396407	San Diego
33.396965	-117.53383	San Diego
33.396976	-117.535096	San Diego
33.221156	-117.40612	San Diego
33.24394	-117.39743	San Diego
33.290796	-117.436339	San Diego
33.219631	-117.40563	San Diego
33.387548	-117.568426	San Diego
33.29674	-117.35282	San Diego
33.28846	-117.37115	San Diego
33.41989	-117.57839	San Diego
33.30428	-117.31222	San Diego
33.2992	-117.30731	San Diego
33.25	-117.4111	San Diego
33.438803	-117.569059	San Diego
33.165527	-117.18143	San Diego
33.165527	-117.18143	San Diego
33.221815	-117.390203	San Diego
33.286557	-117.370462	San Diego
33.21915893	-117.3985291	San Diego
33.2238987	-117.38986	San Diego
33.30564	-117.36661	San Diego
33.220637	-117.382307	San Diego
33.221	-117.385	San Diego

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Maintenance access road

Tributary Area Pump Station 2 located at what is formerly Sewer Treatment Plant 2. Sewer Plant 2 has been taken out of

Lateral clean out underneath building 13145

San Onofre Creek Bed between the road and flowing creek but not into the flowing water itself.

52 Area Basilone Road near STP 11

Lift Station 630121

Sewer pump station at former STP 2

Active construction site
The spill traveled from the preesure relief valve and entered a storm drain. The outlet was located and the spill had pond

f service and the pump station diverts se

ed and percolated into the area at the st

Manhole
Manhole
Force main or pressure sewer
Pump station
Pump station
Force main or pressure sewer
Building or structure
Manhole
Other sewer system structure
Manhole
Other sewer system structure
Force main or pressure sewer
Gravity sewer
Manhole
Manhole
Force main or pressure sewer
Pump station
Force main or pressure sewer
Manhole
Manhole
Force main or pressure sewer
Gravity sewer
Other sewer system structure
Other sewer system structure
Pump station
Other (specify)
Force main or pressure sewer
Other sewer system structure
Manhole
Force main or pressure sewer
Manhole
Force main or pressure sewer
Force main or pressure sewer
Force main or pressure sewer
Other (specify)
Pump station
Building or structure
Other (specify)
Force main or pressure sewer
Pump station
Pump station
Pump station
Building or structure
Other sewer system structure
Force main or pressure sewer
Pump station
Pump station
Pump station
Gravity sewer
Other sewer system structure
Manhole
Gravity sewer
Other sewer system structure
Manhole
Gravity sewer

Vacuum air relief valve on force main.

Pressure relief valve on a force main

Lateral cleanout

Temporary sewer bypass system.

Cleanout from lateral to collection system

Thje spill occured while trenching to replace an active force main. The spill stayed within the trench.

3 sewer drains for RV hook-up.

Clean out

Clean out
Building cleanout
Air relief valve

Lateral

Pressure relief valve on force main from lift station 33832

Street/curb and gutter
Other (specify below)
Other (specify below)
Surface water;Unpaved surface
Unpaved surface
Unpaved surface
Building or structure
Other paved surface;Unpaved surface
Unpaved surface
Storm drain
Other paved surface
Other (specify below)
Unpaved surface
Unpaved surface
Street/curb and gutter;Unpaved surface
Unpaved surface
Other paved surface
Unpaved surface
Separate storm drain
Separate storm drain
Unpaved surface
Beach
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Storm drain;Unpaved surface
Storm drain;Street/curb and gutter
Other (specify below)
Unpaved surface
Other (specify below)
Unpaved surface
Other (specify below)
Other (specify below)
Unpaved surface
Other (specify below)
Unpaved surface
Other (specify below)
Separate storm drain
Unpaved surface
Unpaved surface
Other paved surface
Other paved surface;Unpaved surface
Unpaved surface
Surface water
Surface water
Surface water
Surface water
Other paved surface;Unpaved surface
Separate storm drain
Unpaved surface
Separate storm drain;Unpaved surface
Street/curb and gutter;Unpaved surface
Unpaved surface

Gravel access road and vegetation area along side road.
The force main was being excavated to perform service at the lift station. The spill was completely contained within the e
The spill percolated into and flowed through a ravine alongside the facility and to Pilgrim Creek approximately 1/4 mile fr

The building is an older wooden structure on a raised platform. The spill occured underneath the building and did not ove

Spill was contained within an excavated ditch.

The spill reached a storm drain and flowed into a stormwater pump station wetwell. Maintenance recovered all the spill al
The spill reached a storm drain and traveled to an unpaved surface. The nearest surface water is approximately 2 miles f
The sewage traveled approximately 200 feet and ponded and percolated into the soil between the road and a bermed, rip

Approximately 200 gallons of the total 1000 gallons flowed into a storm drain. The outlet to the storm drain was across th

The spill stayed within an excavated trench.
The spill stayed within the immediate work site, none reached a storm drain or waters of the US. The contaminated soil w
Spill was contained within an excavated trench

Open trench
The sand/pavement immediately in front of 3 sewer drains.

South end of Building 4100365 onto the asphalt.

Spill was contained in the excavation for the force main replacement
The spill reached a storm drain and was fully contained.

Spill traveled approximatley 20 feet outside of the fenced area of the lift station onto unpaved surface.

Pilgrim creek
Pilgrim creek
Santa Margarita River

The spill not fully recovered from storm drain. The storm drain outlet was located at the Oceanside Harbor which is adjac

10/30/2008 9:20	10/30/2008 9:25	10/30/2008 9:40	10/30/2008 9:45
12/10/2008 9:20	12/10/2008 9:20	12/10/2008 9:40	12/10/2008 9:50
1/27/2009 0:00	1/27/2009 10:00	1/27/2009 10:15	1/27/2009 15:30
3/23/2009 0:00	3/23/2009 16:13	3/23/2009 16:13	3/23/2009 16:48
3/30/2009 8:25	3/30/2009 8:25	3/30/2009 8:45	3/30/2009 8:45
4/1/2009 8:29	4/1/2009 8:45	4/1/2009 8:45	4/1/2009 8:45
3/31/2009 0:00	4/7/2009 11:05	4/7/2009 11:20	4/7/2009 11:50
5/11/2009 14:15	5/11/2009 14:20	5/11/2009 14:30	5/11/2009 14:20
6/6/2009 8:40	6/6/2009 8:40	6/6/2009 8:40	6/6/2009 8:45
7/8/2009 0:00	7/8/2009 9:00	7/8/2009 9:00	7/8/2009 9:30
7/24/2009 12:00	7/24/2009 12:00	7/24/2009 12:00	7/24/2009 12:15
9/22/2009 9:20	9/22/2009 9:20	9/22/2009 9:20	9/22/2009 9:50
10/1/2009 9:50	10/1/2009 9:50	10/1/2009 8:50	10/1/2009 9:55
10/9/2009 8:30	10/9/2009 8:32	10/9/2009 8:30	10/9/2009 8:32
10/29/2009 19:00	10/29/2009 19:00	10/29/2009 19:30	10/29/2009 19:48
11/5/2009 10:55	11/5/2009 11:20	11/5/2009 11:20	11/5/2009 11:20
11/30/2009 10:00	11/30/2009 10:00	11/30/2009 10:00	11/30/2009 10:01
12/11/2009 9:00	12/11/2009 13:14	12/11/2009 9:00	12/11/2009 9:00
1/12/2010 14:30	1/12/2010 14:31	1/12/2010 14:31	1/12/2010 15:00
1/17/2010 11:30	1/17/2010 11:30	1/17/2010 12:10	1/17/2010 12:20
1/22/2010 15:00	1/22/2010 15:00	1/22/2010 15:00	1/22/2010 15:30
2/22/2010 7:30	2/22/2010 8:05	2/22/2010 7:40	2/22/2010 10:00
3/15/2010 15:30	3/15/2010 15:30	3/15/2010 15:45	3/15/2010 16:00
3/15/2010 8:50	3/16/2010 11:00	3/15/2010 8:50	3/15/2010 9:00
3/16/2010 14:10	3/16/2010 14:10	3/16/2010 14:10	3/16/2010 14:13
3/22/2010 8:12	3/22/2010 0:00	3/22/2010 8:12	3/22/2010 8:30
12/29/2009 10:00	12/29/2009 10:00	12/29/2009 10:00	12/29/2009 10:02
5/25/2010 0:00	5/25/2010 13:30	5/25/2010 13:30	5/25/2010 13:15
6/2/2010 0:00	6/2/2010 13:00	6/2/2010 13:30	6/2/2010 13:50
6/30/2010 9:05	6/30/2010 10:00	6/30/2010 9:10	6/30/2010 9:35
7/7/2010 0:00	7/8/2010 16:00	7/7/2010 20:45	7/7/2010 20:47
7/23/2010 0:00	7/23/2010 11:05	7/23/2010 10:55	7/23/2010 11:10
7/26/2010 0:00	7/26/2010 13:55	7/26/2010 13:55	7/26/2010 14:00
7/29/2010 0:00	7/29/2010 9:30	7/29/2010 9:16	7/29/2010 9:18
8/15/2010 0:00	8/15/2010 13:13	8/15/2010 12:30	8/15/2010 13:00
8/18/2010 0:00	8/18/2010 3:00	8/18/2010 1:40	8/18/2010 5:15
8/31/2010 13:30	9/2/2010 9:00	8/31/2010 13:30	8/31/2010 16:00
9/18/2010 0:00	9/18/2010 15:00	9/18/2010 15:30	9/18/2010 15:35
9/28/2010 0:00	9/28/2010 15:30	9/28/2010 13:37	9/28/2010 14:37
10/5/2010 0:00	10/5/2010 10:00	10/5/2010 7:45	10/5/2010 9:00
10/7/2010 0:00	10/7/2010 14:13	10/7/2010 8:30	10/7/2010 8:30
10/19/2010 0:00	10/19/2010 12:40	10/19/2010 12:30	10/19/2010 13:00
11/3/2010 0:00	11/3/2010 15:00	11/3/2010 13:45	11/3/2010 13:50
11/8/2010 0:00	11/8/2010 13:50	11/8/2010 13:50	11/8/2010 14:00
11/17/2010 0:00	11/17/2010 11:15	11/17/2010 11:15	11/17/2010 11:16
12/21/2010 10:12	12/21/2010 10:12	12/21/2010 10:12	12/21/2010 10:22
12/21/2010 0:00	12/21/2010 17:55	12/21/2010 17:55	12/21/2010 16:10
12/22/2010 0:15	12/22/2010 0:15	12/22/2010 0:15	12/22/2010 1:45
12/30/2010 0:00	12/30/2010 9:00	12/30/2010 10:35	12/30/2010 13:45
1/6/2011 0:00	1/6/2011 8:30	1/6/2011 8:50	1/6/2011 9:10
1/27/2011 0:00	1/27/2011 16:23	1/27/2011 16:50	1/27/2011 17:20
2/2/2011 0:00	2/2/2011 11:40	2/2/2011 12:00	2/2/2011 17:30
3/11/2011 0:00	3/11/2011 0:00	3/11/2011 0:00	3/11/2011 0:00
4/14/2011 0:00	4/14/2011 16:30	4/14/2011 16:55	4/14/2011 17:15
4/19/2011 0:00	4/19/2011 10:00	4/19/2011 10:15	4/19/2011 10:10

Debris
Other (specify below)
Other (specify below)
Pump station failure
Other (specify below)
Pipe structural problem/failure
Debri-General
Debri-Rags
Debri-General
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Root intrusion
Other (specify below)
Other (specify below)
Debri-General
Grease deposition (FOG)
Grease deposition (FOG)
Other (specify below)
Debri-General
Root intrusion
Other (specify below)
Pipe structural problem/failure
Other (specify below)
Debri-General
Other (specify below)
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Other (specify below)
Pipe structural problem/failure
Other (specify below)
Debri-Rags
Operator error
Debri-General
Pipe structural problem/failure
Other (specify below)
Pump station failure
Debri-General
Other (specify below)
Debri-General
Debri-General
Debri-General
Pump station failure
Rainfall exceeded design (Seperate CS Only)
Rainfall exceeded design (Seperate CS Only)
Other (specify below)
Debri-General
Debri-General
Other (specify below)
Pipe structural problem/failure
Other (specify below)
Other (specify below)

Blockage caused by contractors bag of grease control bacteria
The force main was broken during construction on the main at the lift station.

Pressure gauge became disconnected from a discharge line.

The spill occured in a clean out under the building. The area maintenance manager was notified on 3/31/09 but did not re

The spill occured when a collapsed section of a newly relined pipe (cured in place fiberglass lining) blocked an 8 inch gra
The sewer manhole had been plugged to perform allow repairs to the gravity line. The nearby residents were asked to re
Maintenance staff were excavating to repair a potable water line break. The bobcat operator hit the adjacent sewer force
A contract broke a 1 inch copper line that connects an air vac to an abandoned sewer gravity line.
Contractors were slip lining a gravity line and were using a pump to byoass the line. The manhole that overflowed is only

Debris clogging an air relief valve on a force main
The spill occurred while the operator was dismantling an 8-inch check valve located on the discharge manifold of the pun

The spill occurred when maintenance crews were putting concrete rip rap on a washed out area next to Basilone Road, u

Construction project was excavating next to a 6 inch lateral and broke the sewer line.

The O ring, on an 8 inch temporary sewer bypass system, failed and spilled sewage into an excavated trench.

Contractors were working on a manhole rehab project downstream of bldg 20850. The bldg sewer lateral empties directly

Contractor ruptured the active force main during trenching to put in a new force main.
During reair of a sewer manhole, a bypass pump failed and approximately 5 gallons of sewage spilled onto the ground.
Contractor working on a force main replacement project struck an active force main.

Contractor, working on a force main replacement project, struck the existing charged main. This project has broken the f

Contractor error during force main replacement
Power outage to pump station
Sewer screening compactor became plugged and caused a spill onto unpaved surface.
The lift station pumps stopped working after a power outage at the lift station. Generator power took over but the pumps

Rain caused erosion underneath a clay gravity line, breaking the line.

Heavy equipment crushed sewer main during grading operations
Rust caused a structural failure on a 1 riser.
A 3 foot long 2 X4 piece of lumber was found obstructing the sewerline. The piece of lumber was fairly decomposed an
Contractor, working on energy utilities, struck a clay branch lateral pipe.

Main
Main

Other (specify below)

Upper Lateral

Main

Main
Main

Main

Upper Lateral

Main
Main

Other (specify below)
Other (specify below)

Other (specify below)
Main
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Upper Lateral
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Main
Upper Lateral
Main
Main
Other (specify below)
Main
Other (specify below)

Lift station discharge line

3 sewer drains for RV hook-up.
Lift station wet well

Clean out

Pump station 23060
Sewer screening compactor at tributary lift sation 3
Lift station wetwell overflowed
Building clean out

Air relief valve on a force main.
Lift Station wet well
Pump station wet well.
Pump station wet well

A 1 riser on a force main, at the pressure relief valve, rusted. The failure was found during routine inspection.

Branch lateral.

Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Other (specify below)
Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Restored flow
Restored flow
Restored flow
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Other (specify below)
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Returned all or portion of spill to sanitary sewer system
Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Other (specify below)
Restored flow
Restored flow;Returned all or portion of spill to sanitary sewer system
Restored flow;Returned all or portion of spill to sanitary sewer system
Other (specify below)
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system
Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system

Repaired the pressure relief valve by securing then flushing the valve.

Installed a new air relief valve.

The contaminated soil was removed and placed into sludge drying beds at nearby sewer treatment facility on Camp Penc

Restored power to lift station

The operator shut of an isolation valve to the valve. Maintenace crew to perform maintenance to the valve.

Repaired the line break.

Maintenance shop installed a temporary plug in the riser, pending permanent repair.

Repaired line break,

1/27/2009 17:00
3/23/2009 20:00

4/7/2009 11:50

7/8/2009 16:00

1/17/2010 15:30
1/22/2010 16:50
2/25/2010 10:00

5/25/2010 15:00

6/30/2010 16:00

7/26/2010 11:00

7/29/2010 10:40

9/28/2010 16:00
10/5/2010 9:00

12/21/2010 15:00
12/22/2010 5:30
12/22/2010 5:30
12/30/2010 16:00

1/27/2011 0:00
2/2/2011 20:00

Repaired sewer
Enforcement action against FOG source

Plan rehabilitation or replacement of sewer;Repaired sewer

Repaired sewer

Added sewer to preventive maintenance program
Repaired sewer
Repaired sewer

Repaired sewer

Plan rehabilitation or replacement of sewer

Plan rehabilitation or replacement of sewer;Repaired sewer

Plan rehabilitation or replacement of sewer;Repaired sewer

Plan rehabilitation or replacement of sewer
Other (specify below)

Other (specify below)
Other (specify below)
Other (specify below)
Repaired sewer

Other (specify below)
Plan rehabilitation or replacement of sewer

The WW operations have reset alarm points and will test their internal notification system. Operator could not determine

There is a proposed project to upgrade numerous lift stations, including this lift station,

Check and change level sensors at the lift station
Operations staff to ma lift station during severe storm events. The staff obtained portable pumps to evacuate the overflov
Operators staffed lift station for 24 hours after the heavy rains. Standby pumps in place to direct excess flows to nearby a

Maintenance staff removed blockage to restore flow.

No
Yes

No

No

No
No
No

No

No

No

Yes

No
No

No
Yes
Yes
No

No
No

There were no visible signs of sewage from spill into Pilgrim Creek.

No visible signs of sewage contamination

Christianitos Creek having flows, no visible impact.

No
No

No

No

No
No
Yes

No

No

No

No

No
No

No
No
No
No

No
No

NA
NA - majority of flow entering Pilgrim Creek is contained behind Pilgrim Creek Dam, approximately 1/2 mile downstream

NA

NA

NA
NA
NA
Del Mar Beach

NA

NA

NA

NA

Pacific Ocean

NA
Pilgrim Creek

NA

NA

NA
No evidence of spill reaching nearest surface water (Santa Margarita River) approximately 2 miles from spill site. Spill tr
San Onofre Creek bed
Santa Margarita to Pacific Ocean

NA

NA

NA

NA

N/A
NA
Storm drain to Santa Margarita River
NA
NA

NA
NA
Christianitos Creek
Pilgrim Creek
Pilgrim Creek
Santa Margarita River
NA
Potential to Oceanside Harbor
NA
NA
NA
NA

Not applicable to this spill
No water quality samples taken

Not applicable to this spill

No water quality samples taken

Not applicable to this spill
No water quality samples taken
Biological indicator(s) - specify below

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

No water quality samples taken
Not applicable to this spill
Not applicable to this spill
Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

Total and Fecal coliform, enteroccus

None of the above
None of the above

None of the above

None of the above

None of the above
No water quality samples taken
County Health Agency

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

None of the above
Not applicable to this spill
Not applicable to this spill
Not applicable to this spill

Not applicable to this spill
Not applicable to this spill

90801	
92476	3/23/2009 19:50
92812	4/7/2009 14:12
94907	7/9/2009 14:27
100239	1/12/2010 17:35
100356	1/18/2010 12:45
100595	1/22/2010 18:55
101326	2/22/2010 11:25
103232	5/25/2010 15:36
103387	6/2/2010 16:10
103981	6/30/2010 16:10
	7/23/2010 14:36
104438	7/29/2010 12:55
105840	9/28/2010 16:44
105999	10/5/2010 10:18
107704	12/21/2010 11:20
107813	12/23/2010 11:42
107814	12/23/2010 11:42
110544	1/27/2011 19:06
	2/2/2011 18:00
111486	3/11/2011 16:32

9SSO10710	Active	765826	Mark Bonsavage	Certified
9SSO10710	Active	766580	Mark Bonsavage	Certified
9SSO10710	Active	766581	Mark Bonsavage	Certified
9SSO10710	Active	767748	Mark Bonsavage	Certified
9SSO10710	Active	769318	Mark Bonsavage	Certified
9SSO10710	Active	769321	Mark Bonsavage	Certified
9SSO10710	Active	769374	Mark Bonsavage	Certified
9SSO10710	Active	769379	Mark Bonsavage	Certified
9SSO10710	Active	772542	Mark Bonsavage	Certified
9SSO10710	Active	772684	Mark Bonsavage	Certified
9SSO10710	Active	772942	Mark Bonsavage	Certified
9SSO10710	Active	775927	Mark Bonsavage	Certified
9SSO10710	Active	777430	Mark Bonsavage	Certified
9SSO10710	Active	777749	Mark Bonsavage	Certified
9SSO10710	Active	778114	Mark Bonsavage	Certified
9SSO10710	Active	778356	Mark Bonsavage	Certified
9SSO10710	Active	782315	Mark Bonsavage	Certified
9SSO10710	Active	782619	Mark Bonsavage	Certified
9SSO10710	Active	782818	Mark Bonsavage	Certified
9SSO10710	Active	782908	Mark Bonsavage	Certified
9SSO10710	Active	783073	Mark Bonsavage	Certified
9SSO10710	Active	783074	Mark Bonsavage	Certified
9SSO10710	Active	785287	Mark Bonsavage	Certified
9SSO10710	Active	785508	Mark Bonsavage	Certified
9SSO10710	Active	785585	Mark Bonsavage	Certified
9SSO10710	Active	786988	Mark Bonsavage	Certified
9SSO10710	Active	787224	Mark Bonsavage	Certified
9SSO10710	Active	788265	Mark Bonsavage	Certified
9SSO10710	Active	788572	Mark Bonsavage	Certified
9SSO10710	Active	788859	Mark Bonsavage	Certified
9SSO10710	Active	789095	Mark Bonsavage	Certified
9SSO10710	Active	792524	Mark Bonsavage	Certified
9SSO10710	Active	793393	Mark Bonsavage	Certified
9SSO10710	Active	793679	Mark Bonsavage	Certified
9SSO10710	Active	794950	Mark Bonsavage	Certified
9SSO10710	Active	797043	Mark Bonsavage	Certified
9SSO10710	Active	797305	Mark Bonsavage	Certified
9SSO10710	Active	798821	Mark Bonsavage	Certified
9SSO10710	Active	798860	Mark Bonsavage	Certified
9SSO11172	Active	707219	Danny King	Certified
9SSO11172	Active	719358	Danny King	Certified
9SSO11172	Active	724085	Danny King	Certified
9SSO11172	Active	724096	Danny King	Certified
9SSO11172	Active	728392	Danny King	Certified
9SSO11172	Active	729805	Danny King	Certified
9SSO11172	Active	729929	Danny King	Certified
9SSO11172	Active	731531	Danny King	Certified
9SSO11172	Active	735030	Danny King	Certified
9SSO11172	Active	735918	Danny King	Certified
9SSO11203	Active	717643	Richard Beath	Certified
9SSO11209	Active	645101	Cari Dale	Certified
9SSO11209	Active	645436	Don B. Wasko	Certified
9SSO11209	Active	645997	Don B. Wasko	Certified
9SSO11209	Active	646017	Cari Dale	Certified
9SSO11209	Active	647588	Don B. Wasko	Certified

Legally Responsible Official
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Legally Responsible Official
Environmental Programs Manager
Environmental Programs Manager
Environmental Programs Manager
Environmental Programs Manager
Environmental Programs Manger
Environmental Programs Manager
Environmental Programs Manager
Environmental Programs Manager
Management Analyst
Environmental Programs Manager
Chief Plant Operator
Public Works Manager
Wastewater Superintendent
Wastewater Superintendent
Public Works Manager
Wastewater Superintendent

Camp Pendleton		194619
Camp Pendleton		746195
Camp Pendleton		998935
Camp Pendleton		597660
Camp Pendleton		892290
Camp Pendleton		988744
Camp Pendleton		275145
Camp Pendleton		786322
Camp Pendleton		536912
Camp Pendleton		481583
Camp Pendleton		598118
Camp Pendleton		135366
Camp Pendleton		224235
Camp Pendleton		766929
Camp Pendleton		472870
Camp Pendleton		511162
Camp Pendleton		485088
Camp Pendleton		805132
Camp Pendleton		211892
Camp Pendleton		451160
Camp Pendleton		320357
Camp Pendleton		966440
Camp Pendleton		410774
Camp Pendleton		531912
Camp Pendleton		616645
Camp Pendleton		261562
Camp Pendleton		707049
Camp Pendleton		343368
Camp Pendleton		382834
Camp Pendleton		742529
Camp Pendleton		678483
Camp Pendleton		572864
Camp Pendleton		442982
Camp Pendleton		502963
Camp Pendleton		524504
Camp Pendleton		625244
Camp Pendleton		230842
Camp Pendleton		790798
Camp Pendleton		191991
	15:45	519494
	15:44	519470
	15:47	949781
	16:07	913219
9:18am		530790
	12:56	497140
	16:33	502247
	15:39	658221
12:12pm		527428
	9:56	763772
Valley Center		200331
City of Carlsbad		320532
Carlsbad		943318
Carlsbad		523836
Carlsbad, CA		776932
Carlsbad		761516

27-Apr-11	4/27/2011	16-May-11	5/16/2011
16-May-11	5/16/2011	16-May-11	5/16/2011
16-May-11	5/16/2011	16-May-11	5/16/2011
22-Jun-11	6/22/2011	29-Jun-11	6/29/2011
1-Aug-11	8/1/2011	25-Oct-11	10/25/2011
1-Aug-11	8/1/2011	25-Oct-11	10/25/2011
1-Aug-11	8/1/2011	25-Oct-11	10/25/2011
1-Aug-11	8/1/2011	30-Sep-11	9/30/2011
31-Oct-11	10/31/2011	31-Oct-11	5/31/2012
3-Nov-11	11/3/2011	9-Nov-11	11/9/2011
9-Nov-11	11/9/2011	9-Nov-11	11/9/2011
17-Jan-12	1/17/2012	28-Feb-12	2/28/2012
14-Feb-12	2/14/2012	15-Feb-12	2/15/2012
17-Feb-12	2/17/2012	28-Feb-12	2/28/2012
28-Feb-12	2/28/2012	1-Mar-12	3/1/2012
5-Mar-12	3/5/2012	8-Mar-12	3/8/2012
21-Jun-12	6/21/2012	28-Jun-12	6/28/2012
28-Jun-12	6/28/2012	28-Jun-12	6/28/2012
3-Jul-12	7/3/2012	30-Jul-12	7/30/2012
3-Jul-12	7/3/2012	30-Jul-12	7/30/2012
6-Jul-12	7/6/2012	30-Jul-12	7/30/2012
6-Jul-12	7/6/2012	30-Jul-12	7/30/2012
20-Aug-12	8/20/2012	23-Aug-12	8/23/2012
23-Aug-12	8/23/2012	23-Aug-12	8/23/2012
27-Aug-12	8/27/2012	6-Sep-12	9/6/2012
5-Oct-12	10/5/2012	5-Oct-12	10/5/2012
16-Oct-12	10/16/2012	16-Oct-12	10/16/2012
21-Nov-12	11/21/2012	29-Nov-12	11/29/2012
29-Nov-12	11/29/2012	29-Nov-12	11/29/2012
6-Dec-12	12/6/2012	10-Dec-12	12/10/2012
17-Dec-12	12/17/2012	28-Feb-13	2/28/2013
11-Mar-13	3/11/2013	25-Mar-13	3/25/2013
16-Apr-13	4/16/2013	22-Apr-13	4/22/2013
26-Apr-13	4/26/2013	30-Apr-13	4/30/2013
10-Jun-13	6/10/2013	9-Jul-13	7/9/2013
19-Jul-13	7/19/2013	26-Jul-13	7/26/2013
26-Jul-13	7/26/2013	9-Sep-13	9/9/2013
16-Sep-13	9/16/2013	16-Sep-13	9/16/2013
18-Sep-13	9/18/2013	30-Sep-13	9/30/2013
6-Nov-07		26-Mar-09	3/26/2009
11-Jun-08		11-Jun-08	6/11/2008
1-Aug-08		1-Aug-08	8/1/2008
1-Aug-08		1-Aug-08	8/1/2008
23-Oct-08		23-Oct-08	10/23/2008
24-Nov-08		8-Dec-08	12/8/2008
27-Nov-08		21-Jan-09	1/21/2009
7-Jan-09		26-Mar-09	3/26/2009
16-Mar-09		16-Mar-09	3/30/2011
3-Apr-09		9-Apr-09	4/9/2009
20-May-08		4-Jan-07	1/4/2007
5-Jan-07		1-Mar-07	3/1/2007
10-Jan-07		2-Mar-07	2/2/2011
22-Jan-07		2-Mar-07	2/2/2011
23-Jan-07		2-Mar-07	5/6/2008
2-Mar-07		14-Mar-07	2/2/2011

Category 3		500	500
Category 3		10	0
Category 3		10	0
Category 3		3	0
Category 3		5	0
Category 3		50	0
Category 3		20	0
Category 3		100	0
Category 2		12000	0
Category 3		25	0
Category 1		11700	3900
Category 3		360	65
Category 1		40500	30500
Category 2		4620	4000
Category 3		50	20
Category 3		10	5
Category 3		100	0
Category 3		3	0
Category 3		375	0
Category 3		10	0
Category 3		50	50
Category 3		30	30
Category 2		2500	1600
Category 3		6	6
Category 2		1750	1700
Category 1		100	0
Category 3		750	50
Category 3		30	25
Category 1		5	0
Category 2		1200	1200
Category 1		75	0
Category 3		200	50
Category 3		150	0
Category 3		200	50
Category 3		750	750
Category 2		1500	0
Category 3		600	100
Category 3	55	55	55
Category 3	500	500	300
Category 2		1000	1000
Category 2		1000	1000
Category 3		100	100
Category 2		23500	23500
Category 2		3000	2250
Category 1		9450	1360
Category 2		8700	8700
Category 3		135	135
Category 3		10	10
Category 1		2030	1100
Category 1		250	150
Category 3		33	
Category 1		100	100
Category 1		540	540
Category 3		340	0
Category 3		2	0

0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	Yes
0	No	No
7800	Yes	Yes
0	No	Yes
10000	Yes	Yes
0	No	Yes
0	No	No
0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
100	No	No
0	No	No
0	No	No
5	Yes	Yes
0	No	No
75	Yes	Yes
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	No
8090	Yes	Yes
0	No	Yes
0	No	Yes
0	No	Yes
930	Yes	Yes
25	Yes	Yes
	No	No
1	Yes	No
1	Yes	No
0	No	No
0	No	No

Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Yes
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Yes
Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
No
Yes
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No
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe

Del Mar Housing
8 Gravity Line, Edson Range 31 Area
Air Relief Valve #4 on Force Main Between LS 31520 and LS 310227
Force main 31520/ARV10
Wire Mountain Road
Lift Station Building 310617
Wire Mountain Road
Lift Station 310617
San Onofre Housing 1
Bldg 24100 Brig
53 Area near Bldg 53620
Stuart Mesa Housing 347 Suzuki St, Manhole #13Y884
East side of Vandegrift just before Ysidora Flats
Bldg 51056, Manhole 11Y223 at San Onofre Housing
Bldg 430605
Building 410306 lateral cleanout
Camp Pendleton Building 13131
Camp Pendleton Air Relief Valve at LS 31520
Air Vac #3 behind Stuart Mesa Housing
Air Vac #1 by Tomato Field Rd and Stuart Mesa Rd
RV Site #0 on Del Mar Beach
RV Site #0 on Del Mar Beach
31 Area Old Agricultural Fields
Bldg 41315 (41 Area Fitness Center)
San Onofre Beach Club
31 Area Old Agricultural Fields
Air relief valve at LS 51056
52 Area Basilone Road, 1/2 mile west of San Mateo Road
LS 220151
TAPS 1 (STP1)
LS 220151
Manhole #13Y241A
Manhole #03Y305
Vandegrift Blvd at ARV T3-01
TAPS 3 Plugged Washer Compactor 750 Gallon Spill
Bldg 33607/Subway Resauraunt --33 Area
Manhole 14Y048 in 31 Area Camp Pendleton
Del Mar Beach Area 21
Camp Pendleton MCAS, Bldg. 170831 Liftstation wet well TAPS 2
406 N Rios
406 North Rios
Solana Beach Pump Station
San Elijo Pump Station
Rios Access Road
932 Valley Ave
Glenmont
408 N Rios Rd
La Colonia Sewer Spill
Via De La Valle
Woods Valley Manhole #27
El Arbol - Roots
Walnut - Sewer
Peninsula - Manhole
Madison - Lateral
Lateral/1810 Oak Street

33.219158	-117.398529	San Diego
33.265051	-117.425943	San Diego
33.252236	-117.412811	San Diego
33.253247	-117.413545	San Diego
33.220817	-117.385243	San Diego
33.263654	-117.426422	San Diego
33.22078	-117.3853	San Diego
33.263707	-117.426422	San Diego
33.389545	-117.580452	San Diego
33.300667	-117.336361	San Diego
33.376389	-117.476001	San Diego
33.2546	-117.4135	San Diego
33.2498	-117.3776	San Diego
33.3874	-117.5684	San Diego
33.346717	-117.410331	San Diego
33.290468	-117.442002	San Diego
33.308436	-117.311813	San Diego
33.257171	-117.42207	San Diego
33.2564	-117.4161	San Diego
33.2577	-117.4171	San Diego
33.22072	-117.40619	San Diego
33.22072	-117.40619	San Diego
33.245288	-117.407415	San Diego
33.289972	-117.438694	San Diego
33.381556	-117.577222	San Diego
33.251033	-117.411782	San Diego
33.387507	-117.568402	San Diego
33.392022	-117.542886	San Diego
33.297042	-117.348552	San Diego
33.31264	-117.297055	San Diego
33.297039	-117.348549	San Diego
33.2243	-117.3998	San Diego
33.291336	-117.350708	San Diego
33.27646	-117.372656	San Diego
33.287912	-117.371338	San Diego
33.312532	-117.369178	San Diego
33.260373	-117.422744	San Diego
33.219644	-117.405522	San Diego
33.283234	-117.304013	San Diego
32.9967	117.2705	San Diego
32.996743	-117.270497	San Diego
33.007406	-117.247229	San Diego
33.004094	-117.2751	San Diego
33.002239	-117.274225	San Diego
32.982246	-117.258153	San Diego
32.9952	117.2674	San Diego
32.997208	-117.270526	San Diego
32.9862428	-117.2583793	San Diego
32.995885	-117.256	San Diego
33	117	San Diego
33.116667	117.316667	San Diego
33.15	-117.333333	San Diego
33.16606	-117.2942	San Diego
33.161312	117.34691	San Diego
33.16705	-117.33368	San Diego

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Air Relief Valve #4 on Force Main Between LS 31520 and LS 310227

Excavated Trench

Excavated trench on Wire Mountain Road
Building 310617 Lift Station

Low rate of overflow out of manhole
Manhole on 7th Street adj Bldg 530622 spilling @ 5 gpm onto asphalt road, ponding, then running into storm drain on san

2.5 miles from the ocean
Manhole 11Y223 immediately upstream of lift station 51056 on the north side of Basilone
Within courtyard of Bachelors Quarters

Behind Stuart Mesa Housing on a dirt road adjacent to an unused agricultural field.

RV Site on Del Mar Beach on Camp Pendleton
RV Site on Del Mar Beach on Camp Pendleton

Lateral for Bldg 41315 was hit during construction.

Manhole #13Y241A middle of parking lot for bldgs 210723 & 210722
Manhole 03Y305 located in the 22 Area by Bldg 220205 lift station.

On 06/3/13 at 0600 hours the Tributary Area Pump Station #3 (TAPS) compactor conveyor drain became plugged becaus
Floor drain inside facility which flowed out back door onto dirt road
Manhole #14Y048 on Camp Pendleton MCAS, Between Mathews Ave and Stuart Mesa Rd
Del Mar Beach area between bathroom and life guard station
Spill occured from Liftstation wet well at TAPS 2 Bldg. 170831
Manhole
Manhole
Spill occurred at pump station

Spill occurred at a manhole on an access road to the Solana Beach Pump Station
Roadway

Manhole in middle of street
The spill occured out of a manhole in the community center parking lot

Manhole at end of street

ne corner fo street. Another manhole fr

se of rags. This resulted in a spill of 750

1
1

Manhole
Gravity sewer
Force main or pressure sewer
Force main or pressure sewer;Other (specify)
Gravity sewer
Other (specify)
Other sewer system structure
Pump station
Manhole
Manhole
Manhole
Building or structure
Other sewer system structure
Manhole
Manhole
Other sewer system structure
Building or structure
Other sewer system structure
Force main or pressure sewer
Force main or pressure sewer
Other (specify)
Other (specify)
Force main or pressure sewer
Gravity sewer
Force main or pressure sewer
Other sewer system structure
Other sewer system structure
Force main or pressure sewer
Force main or pressure sewer
Manhole;Other (specify)
Pump station
Manhole
Manhole
Force main or pressure sewer
Other sewer system structure
Other (specify)
Manhole
Force Main
Pump station
Manhole
Manhole
Pump station
Pump station
Manhole
Manhole
Other sewer system structure
Manhole
Manhole
Manhole
Manhole
Other sewer system structure
Other (specify)
Manhole
Other (specify)
Other sewer system structure

Broken gravity main between MH 14Y036 and MH 14Y037
Air Relief Valve
Air relief valve #10 on force main 31520
Trench excavation on Wire Mountain Road
Excavated Construction Trench
Branch lateral

Air vac for force main feeding wastewater treatment plant

Building lateral cleanout

Force main air relief valve
Air Vac
Air Vac for a force main
Cleanout on collection line (for the RV camp sites) that gravity feeds down to a satellite lift station.
Cleanout on collection line (for the RV camp sites) that gravity feeds down to a satellite lift station.
2-inch HDPE line connecting 12-inch force main to air relief valve

Air relief valve on force main
Air relief valve

Belt Filter Press Filtrate Discharge Hose

2 copper line conecting to Air Vac T3-01 had a break
Washer Compactor for sanitary rags
Floor drain

Private Cleanout

Property line cleanout

lateral cleanout
property line cleanout

Street/curb and gutter
Unpaved surface;Other (specify below)
Unpaved surface
Unpaved surface
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Unpaved surface
Surface water
Separate storm drain
Beach
Unpaved surface
Unpaved surface
Unpaved surface
Other (specify below)
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Other paved surface;Other (specify below)
Unpaved surface
Other paved surface
Unpaved surface
Unpaved surface
Unpaved surface
Separate storm drain
Other (specify below)
Separate storm drain
Other (specify below)
Unpaved surface;Other (specify below)
Other paved surface;Unpaved surface
Other (specify below)
Unpaved surface
Other (specify below)
Beach
Unpaved surface
Other (specify below)
Storm drain
Other paved surface
Other (specify below)
Unpaved surface
Surface water
Other (specify below)
Other (specify below)
Separate storm drain
Other (specify below)
Surface water
Unpaved surface
Separate storm drain
Separate storm drain
Storm drain
Other (specify below)

Spill percolated into unpaved soil of trench.

Percolated into the soil in the excavated trench
Excavated construction trench
Spill percolated into the soil in the trench
Construction Trench
The spill entered a concrete culvert and into a storm drain pipe under dirt road that eventually discharges into a heavily v

South Fork San Onofre Creek

Spill reached the Santa Margarita River which drains to the Pacific Ocean
Vegetated area behind storm drain outfall
Percolated into manicured lawn within the Bachelors Quarters

Spill remained contained within storm drain

Percolated into the ground adjacent to the air vac
Percolated into the sand at the spill appearance location. The affected sand was collected and bagged for disposal.
Percolated into the sand at the spill appearance location. The affected sand was collected and bagged for disposal.
Portion of spill traveled to graded area where it ponded and evaporated. Remaining portion of spill stayed within excavati
Soil around broken pipe collected and containerized for disposal.

Asphalt of TAPS 1

Curb at the end of parking lot
Spill was contained in grassy field next to manhole

Concrete construction trench

Storm drain dirt channel effluent

CDS post construction structural treatment device

Spill was contained onsite at pump station and returned to sewer system
Spill was redirected into emergency spill basin adjacent to pump station. No discharge escaped into lagoon
Spill occurred at a manhole on a dirt road leading to pump station. The sewage spilled onto the road and into a small area
Steven's Creek - storm drain channel
Back into sewer system. Low Flow Divertor was on and actively diverting flow back to sewer system at Fletcher Cove
CDS stormwater unit

Steven's Creek

Spill entered storm drain but did not enter surface waters.

in grass area around cleanout in front yard of 1810

4/23/2011 0:00	4/23/2011 22:00	4/23/2011 22:45	4/24/2011 1:00
5/5/2011 10:00	5/5/2011 10:00	5/5/2011 10:30	5/5/2011 11:00
5/14/2011 19:30	5/14/2011 19:30	5/14/2011 19:30	5/14/2011 19:35
6/7/2011 10:59	6/7/2011 10:59	6/7/2011 10:59	6/7/2011 11:00
7/8/2011 9:45	7/8/2011 13:03	7/8/2011 10:10	7/8/2011 10:10
7/8/2011 14:00	7/8/2011 14:00	7/8/2011 15:00	7/8/2011 0:00
7/12/2011 12:55	7/12/2011 13:02	7/12/2011 13:06	7/12/2011 13:20
7/11/2011 15:00	7/11/2011 15:00	7/11/2011 15:00	7/11/2011 15:30
10/25/2011 0:00	10/25/2011 17:55	10/25/2011 17:55	10/25/2011 20:00
10/28/2011 20:00	10/28/2011 20:00	10/28/2011 20:30	10/28/2011 21:00
11/8/2011 0:00	11/8/2011 7:30	11/8/2011 9:10	11/8/2011 10:30
1/13/2012 18:19	1/13/2012 18:19	1/13/2012 21:10	1/13/2012 21:30
2/12/2012 0:00	2/12/2012 4:40	2/12/2012 4:50	2/12/2012 9:10
2/16/2012 8:06	2/16/2012 8:25	2/16/2012 8:30	2/16/2012 8:34
2/25/2012 15:35	2/25/2012 15:35	2/25/2012 16:15	2/25/2012 17:30
3/1/2012 13:00	3/5/2012 12:15	3/1/2012 13:15	3/1/2012 13:10
4/16/2012 0:00	4/16/2012 11:11	4/16/2012 11:22	4/16/2012 11:20
6/25/2012 13:35	6/26/2012 11:00	6/25/2012 14:00	6/25/2012 13:40
6/30/2012 7:05	6/30/2012 7:25	6/30/2012 7:25	6/30/2012 7:25
6/29/2012 17:20	6/29/2012 17:30	6/29/2012 17:30	6/29/2012 17:30
7/4/2012 10:00	7/4/2012 10:00	7/4/2012 10:00	7/4/2012 11:00
7/4/2012 18:00	7/4/2012 18:00	7/4/2012 18:00	7/4/2012 18:30
8/13/2012 0:00	8/13/2012 12:00	8/13/2012 13:00	8/13/2012 14:05
8/22/2012 9:00	8/22/2012 10:30	8/22/2012 9:00	8/22/2012 9:15
8/23/2012 0:00	8/23/2012 10:00	8/23/2012 10:15	8/23/2012 10:15
10/3/2012 0:00	10/3/2012 19:00	10/3/2012 18:25	10/3/2012 18:30
10/15/2012 7:39	10/15/2012 9:00	10/15/2012 7:40	10/15/2012 7:50
11/15/2012 8:00	11/15/2012 8:00	11/15/2012 8:30	11/15/2012 9:30
11/28/2012 0:00	11/29/2012 11:00	11/28/2012 13:00	11/28/2012 13:02
12/6/2012 0:00	12/6/2012 10:30	12/6/2012 10:45	12/6/2012 9:51
12/10/2012 0:00	12/10/2012 14:00	12/10/2012 10:20	12/10/2012 10:22
3/6/2013 13:30	3/6/2013 13:30	3/6/2013 13:30	3/6/2013 13:50
4/5/2013 14:20	4/5/2013 14:20	4/5/2013 14:20	4/5/2013 14:50
12/5/2011 7:57	12/5/2011 8:10	12/5/2011 8:10	12/5/2011 10:15
6/3/2013 6:00	6/3/2013 6:15	6/3/2013 6:30	6/3/2013 6:30
7/18/2013 0:00	7/18/2013 16:20	7/18/2013 17:30	7/18/2013 20:00
7/26/2013 14:15	7/26/2013 14:15	7/26/2013 14:25	7/26/2013 15:15
9/15/2013 7:00	9/15/2013 7:15	9/15/2013 7:30	9/15/2013 14:00
9/16/2013 9:42	9/16/2013 9:42	9/16/2013 9:42	9/16/2013 9:50
10/15/2007 8:55	10/15/2007 8:55	10/15/2007 8:55	10/15/2007 9:15
10/15/2007 8:55	10/15/2007 8:55	10/15/2007 8:55	10/15/2007 9:15
3/28/2007 8:00	3/28/2007 8:00	3/28/2007 8:30	3/28/2007 8:30
1/22/2007 13:16	1/22/2007 13:16	1/22/2007 13:16	1/22/2007 13:38
10/22/2008 9:45	10/22/2008 9:45	10/22/2008 10:00	10/22/2008 11:45
11/24/2008 0:00	11/24/2008 1:15	11/24/2008 1:25	11/24/2008 2:18
11/27/2008 0:00	11/27/2008 11:29	11/27/2008 11:45	11/27/2008 14:00
1/6/2009 8:43	1/6/2009 8:43	1/6/2009 8:45	1/6/2009 9:10
3/15/2009 13:40	3/15/2009 13:40	3/15/2009 13:40	3/15/2009 13:50
4/3/2009 0:00	4/3/2009 10:01	4/3/2009 9:10	4/3/2009 10:01
1/3/2007 7:20	1/3/2007 7:30	1/3/2007 7:55	1/3/2007 8:45
1/4/2007 12:26	1/4/2007 12:20	1/4/2007 12:26	1/4/2007 2:40
1/10/2007 10:55	1/10/2007 10:30	1/10/2007 10:50	1/10/2007 11:10
1/22/2007 8:40	1/22/2007 8:17	1/22/2007 8:40	1/22/2007 10:30
1/22/2007 10:40	1/22/2007 11:00	1/22/2007 11:30	1/22/2007 11:40
3/3/2007 11:35	3/3/2007 11:35	3/3/2007 11:35	3/3/2007 11:40

Debri-General
Other (specify below)
Debri-General
Other (specify below)
Other (specify below)
Pump station failure
Other (specify below)
Pump station failure
Root intrusion
Debri-General
Root intrusion
Grease deposition (FOG)
Other (specify below)
Pump station failure
Debri-General
Other (specify below)
Debri-General
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Debri-General
Pump station failure
Pump station failure
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Other (specify below)
Pipe structural problem/failure
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Pump station failure
Other (specify below)
Debri-General
Pipe structural problem/failure
Debri-Rags
Root intrusion
Other (specify below)
Other (specify below)
Other (specify below)
Root intrusion
Root intrusion
Pump station failure
Other (specify below)
Grease deposition (FOG)
Other (specify below)
Debri-General
Debris
Debri-General
Grease deposition (FOG)
Other (specify below)
Root intrusion
Root intrusion
Other (specify below)
Root intrusion
Root intrusion

A building contractor was excavating for a new project and damaged an 8 clay gravity line.

Debris lodged in seat of air relief valve on force main
During excavation of trench contractor struck 8 inch gravity main with back hoe

Contractor
Water to building 310617 was secured on 7/8/11. Water to building was turned back on between 7/9/11 and 7/11/11.

Paper towels and rubber gloves
Roots and small branches

Vehicular accident

Baby wipes and paper towels.
Rocks (golf ball-sized)

Air Vac failed to close due to debris and defect on the venting mechanism

The discharge pipe at the satellite lift station disconnected causing the collected sewage to just be recirculated in the lift s
The discharge pipe at the satellite lift station disconnected causing the collected sewage to just be recirculated in the lift s
Contractor was excavating a trench and unintentionally struck the 2-inch line connecting the force main to the air relief va
Contractor hit the 4 lateral while digging trench
Weight of palm trees and roots over the line caused the break
Mechanical failure of the valve plunger assmebly.
Mechanical failure of air relief valve
Contractor was drilling a hole to install a new electrical power pole and struck an inactive force main.
4-inch ABS plug on force main discharge line blew off.
Upon turning on trash pump to pump belt filter press filtrate, discharge hose came out of manhole and released untreatec
Mechanical failure of inlet check valve
Gravel in main

Copper line was corroded/bent at the area that failed
Rags from washer compactor clogged drain line
On 07/18/13 at 1454 hours sewage started to back up from the floor drains inside the building. Estimated 1500 gallons ot
As main was being jetted, operators came a cross a blockage 5ft in the main.They will camera the line to determine block
Line was believed to be abandoned, but was still connected to the force main lift station
Power outage, generator turned on but did not transfer power to main breakers for pumps, breakers were tripped

Failed alternator switch caused pumps to fail
Contractor for new pump station installed wrong connection valve.

Construction project nearby, contractor broke pipe

Contractor installed sand tee to keep construction debris out.

Construction debris

Main
Main
Other (specify below)
Other (specify below)
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Other (specify below)
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Other (specify below)
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Main
Main
Upper Lateral
Other (specify below)
Other (specify below)
Main
Main
Other (specify below)
Other (specify below)
Other (specify below)
Upper Lateral
Main
Other (specify below)
Main
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Other (specify below)
Main
Main
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Main
Other (specify below)
Main
Main
Force Main
Pump Station-Controls

Main
Other (specify below)
Main
Main
Main
Main
Main
Upper Lateral
Main

Main
Main

Lower Lateral

Air Relief Valve #4 on Force Main Between LS 31520 and LS 310227
Air relief valve on force main

Lift Station Wet Well
Occurred at 6 branch lateral. Contractor making repairs to weeping lateral when spill occurred
Lift Station 310617

Manhole

Air vac was sheared off by the vehicle

Building lateral (not private)
Air relief valve on force main

Cleanout at the end of the collection line that services the RV Sites.
The failure occurred downstream at the satellite lift station at the discharge pipe from the pump.
2-inch line connecting force main to air relief valve

Inside air relief valve

Belt filter press discharge hose.
check valve on gravity main

Washer comapcator drain line

pump station

The failure occured as a result of a blockage in the upper lateral. The blockage caused the backup through a manhole in t

	8	
	6	
	10	vitrified clay
	10	VCP
	4	
	6	PVC
	2	Cast Iron
	6	
No		
No		
	12	vcp
	10	PVC
	12	clay
the community center parkin	4	VCP
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	8	
	4	
	4	

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Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Restored flow;Other (specify below)
Restored flow
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
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Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Other (specify below)
Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system;Other (specif
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
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Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
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Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Restored flow

The contractor made temporary repair to the sewer line. The new project will replace the existing sewer lines.

Isolated valve from force main.
Replaced broken section of 8 gravity main with new pipe.
Secured Water to the Building
Splice installed in section of removed 6 branch lateral
spill percolated into the ground within the construction trench
Jetted line
Jetted manhole and main to break up blockage

Jetted manhole w/ vactor truck to clear sewer line. Layed out absorbent socks to block storm drain and suck w/ vactor tru
Sand bags used to contain the sewer spill. Sewage was collected with vacuum trucks. Once the discharge was containe

Jetted lateral to clear rocks blockage. Pumped untreated wastewater from cleanout.

Stopped spill by isolating the air vac at the gate valve. Lime was applied to the affected ground and secured from public
Spill was stopped by closing the isolation valve. The air valve was repaired by replacing the plunger mechanism on the r
Affected sand was collected and bagged for disposal and clean sand was scrapped over the site.
Affected sand was collected and bagged for disposal and clean sand was scrapped over the site.

Soil around the broken pipe was collected and containerized for disposal.
Washed down asphalt road and recovered wash water with vactor truck.

Secured lift station and scheduled repairs.

Cleared the line and restored flow. Street was disinfected by City staff. Low Flow Divertor was active and diverted flow ba

Root inhibitor will be applied
rodded lateral to clear blockage

10/25/2011 20:00

11/8/2011 10:30
1/13/2012 21:30
2/13/2012 15:00
2/16/2012 10:00

4/16/2012 12:00

8/13/2012 0:00

8/23/2012 14:30

11/28/2012 13:05
12/6/2012 12:00
12/10/2012 11:00

7/18/2013 21:00

10/15/2007 17:00
10/15/2007 9:15

1/22/2007 17:00
10/22/2008 12:45
11/24/2008 6:00
11/27/2008 14:00

4/3/2009 10:30
1/3/2007 11:00

1/10/2007 12:07
1/22/2007 15:00

Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer
Other (specify below)
Repaired sewer
Repaired sewer;Other (specify below)

Other (specify below)

Repaired sewer

Plan rehabilitation or replacement of sewer;Repaired sewer

Repaired sewer
Other (specify below)
Other (specify below)

Other (specify below)

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance

Other (specify below)
Added sewer to preventive maintenance program
Plan rehabilitation or replacement of sewer;Repaired sewer
Added sewer to preventive maintenance program

Enforcement action against FOG source
Other (specify below)

Adjusted schedule/method of preventive maintenance
Other (specify below)

Jetted manhole with vactor truck to clear sewer line

Re-set primary Milltronics, installed secondary Milltronics. Planned to install float back-up system, install visual alarm b

Turned off water and snaked line.

Request made to replace force main to Public Works. Palm trees will be removed as part of future MILCON project

Secured discharge hose using sandbags
Scheduled repairs to lift station

Line will be inspected and roots removed to prevent further blockage from occuring

Replaced incorrect valve with correct valve

Have contractor remove sand tee and not allow contractor to connect to live sewer system until new homes are complete

Instruct contractors to maintain sewer system while project is under construction. Meeting with construction management

Yes

No
No
Yes
No

No

No

No

No
No
No

Yes

No
No

No
No
Yes
No

Yes
No

Yes
No

None

N/A

N/A
N/A - Spill completely contained in overflow spill basin adjacent to pump station
No impact to receiving waters. Spill was completely contained around manhole. Some sewage was not recovered becaus
No visual effects detected in receiving water

No impact on receiving water
Did not affect receiving water

Very little flow into receiving waters, did not alter looks. We sand bagged outlit of storm drain and pumped out any sewag

No

No
No
Yes
No

No

No

No

No
No
No

No

No
No

No
No
Yes
No

No
No

No
No

Camp Del Mar and Blue Beach

N/A

N/A

NA
NA

N/A
NA
San Dieguito Rivermouth - Pacific Ocean
NA

NA
NA

NA
NA

NA
NA
NA
NA
None
None
None
None
None
Not applicable
South Fork San Onofre Creek
Not applicable
Santa Margarita River and Pacific Ocean
Not applicable. No indication spill reached San Onofre Creek, which was dry and the mouth of the creek was closed.
Not Applicable
N/A
N/A
N/A
Not applicable
Not applicable
Not applicable
Not applicable
N/A
Not applicable
Not applicable
N/A
N/A
N/A
None, spill percolated within drainage channel.
N/A
None, spill percolated within drainage channel.
No surface water impacted
N/A
Not applicable
N/A
N/A
N/A

NA
NA

N/A
NA
San Dieguito River
NA

None
Steven's Creek
Woods Valley Golf Course creek.

gutter line on street
gutter of street

No water quality samples taken

No water quality samples taken
Not applicable to this spill
Biological indicator(s) - specify below
No water quality samples taken

Not applicable to this spill

Not applicable to this spill

No water quality samples taken

Not applicable to this spill
Not applicable to this spill
Not applicable to this spill

Not applicable to this spill

Not applicable to this spill
No water quality samples taken

No water quality samples taken
No water quality samples taken
Biological indicator(s) - specify below
Not applicable to this spill

Biological indicator(s) - specify below
Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

No water quality samples taken
No water quality samples taken

Total coliform, fecal coliform and enterococcus is being taken at the mouth of the river and at the potentially affected bea

N/A

Total Coliform, E Coli, Enterococcus

Total Coliform, E-Coli and Enteroccocus
BOD and TDS

Not applicable to this spill

County Health Agency;Regional Water Quality Control Board
None of the above
County Health Agency;Regional Water Quality Control Board
No water quality samples taken

Not applicable to this spill

Not applicable to this spill

None of the above

Not applicable to this spill
Not applicable to this spill
Not applicable to this spill

Not applicable to this spill

Not applicable to this spill
No water quality samples taken

No water quality samples taken
No water quality samples taken
County Health Agency;Regional Water Quality Control Board
None of the above

County Health Agency;Regional Water Quality Control Board
None of the above

None of the above
No water quality samples taken

60 GPM multiplied by 8 mins of flow

	116375	10/25/2011 21:32
	116652	11/8/2011 14:00
	120254	1/14/2012 12:30
	120827	2/12/2012 9:20
	120911	2/16/2012 12:50
		6/28/2012 10:00
	125021	8/23/2012 13:35
		11/29/2012 11:00
13-4439		7/18/2013 22:24
	88420	11/24/2008 5:30
	88502	11/27/2008 14:00
	92719	4/3/2009 11:00
	70082	1/4/2007 14:00

Joseph A Kaplan 7607255077
Michael Duenas 9092145120

9SSO11209	Active	648117	Cari Dale	Certified
9SSO11209	Active	648280	Don B. Wasko	Certified
9SSO11209	Active	648700	Cari Dale	Certified
9SSO11209	Active	649071	Don B. Wasko	Certified
9SSO11209	Active	649883	Don B. Wasko	Certified
9SSO11209	Active	651287	Don B. Wasko	Certified
9SSO11209	Active	651807	Don B. Wasko	Certified
9SSO11209	Active	656906	Don B. Wasko	Certified
9SSO11209	Active	706751	Cari Dale	Certified
9SSO11209	Active	707180	Cari Dale	Certified
9SSO11209	Active	707701	Don B. Wasko	Certified
9SSO11209	Active	710563	Don B. Wasko	Certified
9SSO11209	Active	716608	Don B. Wasko	Certified
9SSO11209	Active	719898	Cari Dale	Certified
9SSO11209	Active	721543	Cari Dale	Certified
9SSO11209	Active	724224	Cari Dale	Certified
9SSO11209	Active	731049	Don B. Wasko	Certified
9SSO11209	Active	735540	Cari Dale	Certified
9SSO11209	Active	735602	Cari Dale	Certified
9SSO11209	Active	745309	Don B. Wasko	Certified
9SSO11209	Active	746866	Cari Dale	Certified
9SSO11209	Active	748000	Don Wasko	Certified
9SSO11209	Active	749598	Don Wasko	Certified
9SSO11209	Active	750675	Don Wasko	Certified
9SSO11209	Active	757478	Don B. Wasko	Certified
9SSO11209	Active	765932	Don B. Wasko	Certified
9SSO11209	Active	769673	Don B. Wasko	Certified
9SSO11209	Active	783255	Don B. Wasko	Certified
9SSO11209	Active	787072	Don B. Wasko	Certified
9SSO11209	Active	789763	Don B. Wasko	Certified
9SSO11209	Active	791726	Don B. Wasko	Certified
9SSO11209	Active	793646	Don B. Wasko	Certified
9SSO11209	Active	793951	Don B. Wasko	Certified
9SSO11209	Active	798699	Don B. Wasko	Certified
9SSO11210	Active	653432	Paul Bushee	Certified
9SSO11210	Active	707537	Paul Bushee	Certified
9SSO11210	Active	725811	Paul Bushee	Certified
9SSO11210	Active	728989	Paul Bushee	Certified
9SSO11210	Active	729197	Paul Bushee	Certified
9SSO11210	Active	737899	Paul Bushee	Certified
9SSO11210	Active	743177	Paul Bushee	Certified
9SSO11210	Active	746458	Paul J. Bushee	Certified
9SSO11210	Active	747303	Paul Bushee	Certified
9SSO11210	Active	748252	Paul Bushee	Certified
9SSO11210	Active	752170	Paul J. Bushee	Certified
9SSO11210	Active	757877	Paul J. Bushee	Certified
9SSO11210	Active	765846	Paul J. Bushee	Certified
9SSO11210	Active	771633	Paul J. Bushee	Certified
9SSO11210	Active	791067	Paul J. Bushee	Certified
9SSO11213	Active	710444	Greg Snyder	Certified
9SSO11213	Active	710445	Joe Lomeli	Certified
9SSO11213	Active	722562	Joe Lomeli	Certified
9SSO11213	Active	725044	Joe Lomeli	Certified
9SSO11213	Active	738606	John Gallegos	Certified
9SSO11213	Active	745785	Greg Snyder	Certified

Public Works Manager
Wastewater Superintendent
Public Works Manager
Wastewater Superintendent
Wastewater Superintendent
Wastewater Superintendent
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Public Works Manager
Public Works Manager
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General Manager
Operations Supervisor
Operations Supervisor
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Operation Supervisor
Operations Supervisor
Operations Supervisor

City of Carlsbad		746865
Carlsbad		880101
Carlsbad, CA		458368
Carlsbad		514738
Carlsbad		312418
Carlsbad		790584
Carlsbad		890602
Carlsbad		677825
Carlsbad, CA		264531
Carlsbad, CA		754837
Carlsbad		540398
Carlsbad		134491
Carlsbad		815072
Carlsbad, CA		609363
Carlsbad, CA		581516
Carlsbad, CA		297304
Carlsbad		473285
Carlsbad, CA		801670
Carlsbad, CA		371288
Carlsbad		107007
Carlsbad, CA		516689
Carlsbad, CA		522139
Carlsbad		946401
Carlsbad		948161
Carlsbad		953810
Carlsbad		966285
Carlsbad		772542
Carlsbad		166155
Carlsbad		869360
Carlsbad		270365
Carlsbad		677797
Carlsbad		765016
Carlsbad		604323
Carlsbad		468200
Carlsbad, Ca		195575
Carlsbad, CA		733788
Carlsbad		616347
Carlsbad, CA		731400
Carlsbad, CA		299837
Carlsbad, CA		104202
Carlsbad, CA		672151
Carlsbad, CA		346189
Carlsbad, CA		981716
Carlsbad, CA		611283
Carlsbad, CA		202764
Carlsbad, CA		131467
Carlsbad, CA		988279
Carlsbad, CA		465335
Carlsbad, CA		543945
8:42am		176805
Murrieta		117118
	840	554880
Ops Center		648936
WMWD Operations Center		230820
8:45am		611467

19-Mar-07		16-Apr-07	4/16/2007
22-Mar-07		16-Apr-07	2/1/2011
2-Apr-07		30-Apr-07	7/2/2007
9-Apr-07		30-Apr-07	2/1/2011
27-Apr-07		4-Jun-07	2/2/2011
4-Jun-07		27-Jun-07	2/2/2011
13-Jun-07		27-Jun-07	2/2/2011
6-Sep-07		6-Sep-07	2/2/2011
29-Oct-07		6-Dec-07	12/6/2007
5-Nov-07		18-Dec-07	12/18/2007
14-Nov-07		24-Dec-07	2/1/2011
31-Dec-07		31-Jan-08	2/2/2011
28-Apr-08		2-Jun-08	2/2/2011
19-Jun-08		21-Jul-08	7/21/2008
7-Jul-08		28-Aug-08	8/28/2008
5-Aug-08		28-Aug-08	8/28/2008
24-Dec-08		29-Dec-08	2/2/2011
26-Mar-09		27-Apr-09	4/27/2009
27-Mar-09		27-Apr-09	4/27/2009
1-Oct-09		19-Oct-09	2/1/2011
19-Nov-09		19-Nov-09	11/19/2009
30-Dec-09		26-Jan-10	1/27/2010
22-Feb-10		23-Feb-10	2/26/2010
17-Mar-10		17-Mar-10	3/17/2010
10-Oct-10	10/10/2010	28-Oct-10	12/3/2010
28-Apr-11	4/28/2011	28-Apr-11	4/28/2011
10-Aug-11	8/10/2011	7-Sep-11	11/18/2011
10-Jul-12	7/10/2012	1-Aug-12	8/1/2012
9-Oct-12	10/9/2012	16-Oct-12	10/29/2012
7-Jan-13	1/7/2013	7-Jan-13	1/7/2013
15-Feb-13	2/15/2013	6-Mar-13	3/6/2013
25-Apr-13	4/25/2013	2-May-13	5/2/2013
7-May-13	5/7/2013	8-May-13	5/8/2013
11-Sep-13	9/11/2013	25-Sep-13	9/25/2013
2-Jul-07		3-Jul-07	7/3/2007
9-Nov-07		26-Nov-07	3/26/2009
4-Sep-08		4-Sep-08	9/4/2008
5-Nov-08		7-Nov-08	11/7/2008
13-Nov-08		13-Nov-08	11/14/2008
24-May-09		26-May-09	5/26/2009
17-Aug-09		19-Aug-09	8/19/2009
3-Nov-09		4-Nov-09	11/4/2009
3-Dec-09		4-Dec-09	12/4/2009
9-Jan-10		11-Jan-10	1/11/2010
4-May-10		6-May-10	5/6/2010
19-Oct-10	10/21/2010	3-Nov-10	11/3/2010
27-Apr-11	4/27/2011	9-May-11	5/9/2011
1-Oct-11	10/1/2011	13-Oct-11	10/13/2011
1-Feb-13	2/1/2013	19-Feb-13	2/19/2013
27-Dec-07		3-Dec-10	12/3/2010
27-Dec-07		27-Dec-07	12/27/2007
16-Jul-08		16-Jul-08	7/16/2008
22-Aug-08		2-Oct-08	10/2/2008
8-Jun-09		8-Jun-09	6/8/2009
20-Oct-09		3-Dec-10	12/3/2010

Category 3		5	
Category 3		10	0
Category 1		7329000	5863200
Category 1		150	150
Category 1		95	95
Category 1		60	45
Category 1		200	200
Category 3		1	1
Category 2		3625	0
Category 2		2000	2000
Category 3		60	60
Category 1		350	0
Category 2		1125	1125
Category 3		20	20
Category 3		50	50
Category 1		5625	5525
Category 1		300	300
Category 1		125	115
Category 3		75	75
Category 2		3500	3500
Category 3		75	0
Category 3		80	80
Category 1		1000	0
Category 3		40	0
Category 1		263424	263423
Category 2		5000	5000
Category 3		20	20
Category 3		45	0
Category 1		34040	0
Category 3		20	20
Category 3		100	0
Category 1		4500	0
Category 3		100	80
Category 3	1	1	0
Category 1		2750	0
Category 1		300	250
Category 3		40	0
Category 3		500	30
Category 3		110	10
Category 1		100	50
Category 3		5	5
Category 1		500	50
Category 1		800	600
Category 2		1300	1300
Category 2		10000	10000
Category 1		69780	0
Category 1		4600	200
Category 3		120	20
Category 1		22000	2800
Category 3		220	132
Category 3		220	132
Category 3		500	425
Category 3		1	0
Category 1		450	75
Category 3		200	200

	No	No
0	No	No
7329000	Yes	Yes
1	Yes	No
1	Yes	No
15	Yes	Yes
1	Yes	No
0	No	No
0	No	No
0	Yes	No
0	No	No
350	Yes	No
0	No	No
0	No	No
0	No	No
100	No	Yes
1	Yes	Yes
10	Yes	Yes
0	No	Yes
0	No	No
0	No	Yes
0	No	No
1000	Yes	Yes
0	No	No
10	Yes	Yes
0	No	Yes
0	No	No
0	No	No
32040	Yes	No
0	No	No
0	No	Yes
4500	Yes	Yes
0	No	No
0	No	No
2750	Yes	Yes
50	Yes	Yes
0	No	No
0	No	No
0	No	No
50	Yes	Yes
0	No	No
450	Yes	Yes
200	Yes	Yes
0	No	Yes
0	No	No
69780	Yes	Yes
4400	Yes	No
0	No	No
800	Yes	Yes
0	No	No
	No	No
0	No	No
0	No	No
375	No	Yes
0	No	No

Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
Not Applicable - Spill did not reach storm drainpipe
No
Not Applicable - Spill did not reach storm drainpipe

Lateral/3369 Appian Rd
Lateral/4702 Telescope Drive
Force main/100 yards NW of Jefferson/Marron
Manhole/Intersection Chestnut and Lincoln
manhole/911 Begonia
manhole/3500 Catalina
Construction site 1/4 mile east of Palomar Airport Rd/Aviara Pkwy
manhole/600 Block of Tamarack Av
manhole/easement near Tamarack/Strata
manhole/Cannon Road
202 Pacific Avenue/bloackage in main
Hoover/manhole
Intersection of Aviara Parkway/Kestrel/Manhole
Pine Ave and Jefferson St
Carlsbad Parks Bathroom (lift station) Ocean/Pine
Simsbury Lift Station
On Tamarack Ave 200 yards north of Wilshire/forcemain
Las Flores and Interstate 5/manhole
Intersection of Chestnut/Lincoln
Calavera Treatment Plant (Abandoned)
Sewer Manhole 11D-15 at 3831 Sierra Morena
260 Normandy Lane/ Gravity Sewer
2500 Marron Rd Public System
Residence at 4065 Park Dr Public System, Carlsbad, CA
Encina Wastewater Authority
965 Palomar Airport Road
Whiptail Loop East, Carlsbad,Ca.
2860 Winthrop Ave. Carlsbad,ca.92008
7382 Gabbiano Lane, Carlsbad Ca 92008
3465 Alander ct. Carlsbad,ca. 92008
4033 Skyline Rd carlsbad,ca.92008
1687 Calliadra Road, Carlsbad,Ca.92008
3515 Valley st. Carlsbad, ca. 92008
527 Carlsbad Village Dr Carlsbad,ca. 92008
Jacaranda
Estrella del Mar
162 Range Street, Encinitas, CA 92024
1602 Burgundy Road
1540 Caudor Street
2154 PLEASANT GROVE RD
Babilonia St
Calle Madero
Piraeus St
La Costa Golf Course
Batiquitos B2 Forcemain
2017 Carlsbad Blvd (hwy 101) CARLSBAD CA 92009
Batiquitos Pump Station
2419 Unicornio Street
6500 Ponto Drive
Ivy Street
Ivy Street
14947 Juniper Street Manhole # 106 District Map Page 10050
25086 Jefferson Avenue Murrieta, CA
41570 Lemon Street Murrieta CA 92562
42900 Ivy Street, Murrieta CA 92562

33.17	117.32	San Diego
33.14891	-117.31865	San Diego
33.18	117.34	San Diego
33.15379	-117.3472	San Diego
33.09915	-117.30278	San Diego
33.16701	-117.31979	San Diego
33.12375	-117.30154	San Diego
33.15097	-117.33997	San Diego
33.233333	117.233333	San Diego
33.134444	117.33	San Diego
33.16329	-117.35616	San Diego
33.14866	-117.33002	San Diego
33.10276	-117.28558	San Diego
33.16	117.35	San Diego
33.266667	117.35	San Diego
33.17	117.3	San Diego
33.17104	-117.3036	San Diego
33.17	-117.34	San Diego
33.004167	-117.009722	San Diego
33.161667	-117.303056	San Diego
33.1615	-117.31552	San Diego
33.1639	-117.35582	San Diego
33.17785	-117.32513	San Diego
33.15479	-117.32685	San Diego
33.116667	-117.316667	San Diego
33.12137	-117.31412	San Diego
33.13989	-117.24999	San Diego
33.1687	-117.30432	San Diego
33.09623	-117.30245	San Diego
33.15433	-117.29646	San Diego
33.15603	-117.32081	San Diego
33.10796	-117.28074	San Diego
33.16094	-117.33026	San Diego
33.1597	-117.34844	San Diego
33.068056	117.256944	San Diego
33.105	-117.264	San Diego
33.0736	117.3065	San Diego
33.0788	117.2902	San Diego
33.0773	117.2917	San Diego
33.040278	-117.242222	San Diego
33.098611	-117.244167	San Diego
33.08419	-117.24883	San Diego
33.07339	-117.29427	San Diego
33.05296	-117.15644	San Diego
33.08611	-117.31163	San Diego
33.08699	-117.31189	San Diego
33.08226	-117.30844	San Diego
33.131667	-117.281111	San Diego
33.110333	-117.322117	San Diego
33.546883	-117.216783	Riverside
33.546883	117.216783	Riverside
33.55	117.2	Riverside
33.5554	117.204133	Riverside
33.566086	-117.217319	Riverside
33.550892	-117.211233	Riverside

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roots in lateral pipe (roots were located between the property line and the main)

force main located along embankment of Buena Vista lagoon

manhole in cul-de-sac in street

End of line on Normandy Lane/blockage in the 4 inch main.

Alley way gutter

Sewer Lift Station
Sewer force main failed on Tamarack Ave causing overflow.
Manhole on Las Flores near off ramp/on ramp
Dead end in intersection overflowed

Sewer Manhole 11D-15 at 3831 Sierra Morena to nearby by storm drain catch basin 11D-8.
260 Normandy Lane. and back yard.
City sewer main manhole in center of Marron Rd.
Root blockage in main overflowed into residence.
Manhole # 35C20 and 35C21 which are outside the Encina Wastewater Treatment Plant. Trunk line flowing into the treat
Spilled out of manhole located in the parking lot/driveway of Costco and Pat n Oscar's.

Spilled out of manhole on easement.
Battiquitos Sewer Lift Station Force Main Discharge Piping
Spilled out of a manhole (18B-16) and on to the street. Blockage was due to construction debris and a temporary trap.
Sewer spilled out of manhole 17A-12.
Spilled out of manhole in residential area. Flowed onto paved surface.

Manhole located in Jacaranda Avenue
manhole
public sewer cleanout in middle of private street
Sewage backed up inside accessory unit's toilet and ran out to backyard
Main sewer blockage resulted in sewer overflowing from cleanout and from toilet of residence.
SPILL CAME OUT MANHOLE IN CUL DE SAC 100 GALS RECOVERD 50 GALS. 50 REACHED STORMDRAIN
Public Sewer Cleanout
Manhole in easement behind 7608 Calle Madero, Carlsbad, CA
Overflowing manhole in Piraeus Street, flowed in storm drain
Sewer manhole with partially blocked 8 inch VCP sewer.
Raw sewage from leaking 24inch Ductile Iron Force Main was contained in a 300 foot long land-locked depression approx
SPILLED OUT OF MANHOLE WITHIN PUMP STATION COMPOUND
Batiquitos Pump Station air release valve
Backyard Easement of 2419 Unicornio

Manhole no. 101
$1947 Juniper Street ,east of Washington Ave, Manhole #106
Manhole #153

Asphult roadway--inside mobile home park

ment plant from the west failed (inside

1

:imately 700 yards North of La Coata Av

Building or structure
Other (specify)
Force main or pressure sewer
Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Gravity sewer
Manhole
Manhole
Gravity sewer
Pump station
Force main or pressure sewer
Force main or pressure sewer
Manhole
Other sewer system structure
Manhole
Gravity sewer
Gravity sewer
Manhole
Building or structure
Manhole
Manhole
Manhole
Gravity sewer
Force main or pressure sewer;Gravity sewer;Manhole;Pump station
Gravity sewer
Gravity sewer
Gravity sewer;Manhole
Gravity sewer
Lateral Clean Out (Private)
Manhole
Manhole
Other (specify)
Building or structure
Building or structure
Gravity sewer
Gravity sewer
Manhole
Manhole
Manhole
Other (specify)
Manhole
Other (specify)
Gravity sewer
Force main or pressure sewer
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole

Spill backed up into residence, was recaptured and returned to sewer.
piping on private property overflowed

Sewer main dead end

Overflow seeped out of manhole
manhole on easement adjacent to construction site near Tamarack/Strata
Manhole in west bound lanes of Cannon Road near on ramp to southbound I-5

sewage seeped from manhole in landscape area approximately 40 feet from lagoon

Lift station @ city bathrooms failed causing overflow. Pumps failed to pump due to heavy sand in the wetwell.

Manhole on Las Flores near off ramp/on ramp
Sewer dead end

Sewer Manhole 11D-15 at 3831 Sierra Morena
Around clean out. Small amount into granny flat adjacent to house and back yard of 260 Normandy Lane.
City sewer main manhole in center of Marron Rd.
Overflowed from toilets in residence.

Coming from ground due to cracked force main piping and in coming gravity trunk line manholes
Spilled out of manhole lid.

Sewer main had a blockage and overflowed out of a private lateral clean out.
Seeped out of clean out.

8 inch sewer cleanout in middle of private street

toilet and cleanout

Cleanout (MH# 10-9310)

a 300 foot long land-locked depression approximately 700 yards North of La Coata Avenue, East of the Northbound Lane
Manhole just upstream of pump station wetwell
Forcemain air release valve

Building or structure
Other (specify below)
Beach
Other (specify below)
Separate storm drain;Street/curb and gutter
Separate storm drain
Other (specify below)
Other paved surface
Unpaved surface
Other (specify below)
Street/curb and gutter
Surface water
Other (specify below)
Street/curb and gutter
Other paved surface
Unpaved surface
Other (specify below)
Surface water
Other (specify below)
Other (specify below)
Storm drain;Unpaved surface
Street/curb and gutter
Surface water
Building or structure;Other (specify below)
Other (specify below)
Building or structure
Other paved surface
Other paved surface
Surface water;Unpaved surface
Other paved surface
Separate storm drain;Street/curb and gutter
Other paved surface;Separate storm drain;Unpaved surface
Other paved surface;Unpaved surface
Unpaved surface
Storm drain
Storm drain
Unpaved surface
Building or structure;Unpaved surface
Unpaved surface
Storm drain
Street/curb and gutter
Storm drain;Surface water
Other paved surface;Storm drain;Street/curb and gutter;Surface water
Other (specify below)
Unpaved surface
Surface water
Surface water
Unpaved surface
Other paved surface;Separate storm drain;Street/curb and gutter;Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Other paved surface
Storm drain
Other paved surface

spill was contain /bathroom floor
There was evidence of overflow, city staff cleaned area
Buena Vista Lagoon
Crew recaptured overflow and washdown water (400 gallons total)

Overflow puddled off of Laureltree Lane. Crews recaptured it there. Total volume of recaptured of overflow and washdov
Put back into manhole
Sewage overflow ponded on site and did not enter lake or stream/creek.
Crews vactored the drainage channel where storm drain daylights on power plant property

sewage traveled in landscaped area and entered lagoon at sand. Sewage either seeped into the dirt or entered lagoon.
Overflow traveled down storm drain system to desiltation basin where city staff is pumping water from there back into sev

Overflow from bathrooms was cleaned up by city staff

Crews flushed storm drain system and recaptured 3500 gallons of washdown water.
Buena Lagoon
Along gutter line on Chestnut. Crew recaptured from storm drain box on railroad easement @ Chestnut
All volume of spill and washdown water was recaptured and returned to sewer system.
Heavy brush area on SDG & E easement with no access.
Street curb and gutter.And back yard of 260 Normandy Lane
Buena Vista Lagoon.
Interior of residence and north side yard of residence.
Overflow recaptured and returned to wastewater treatment plant
Storm Drain seperator unit 10,000 gallon unit.

Spilled onto dirt area around manhole.

Sewage flowed into seperate storm system and down to drainage channel.
Sewer flowed onto drive way at 3515 Valley st. and 3525 Valley st.

water percolated in dirt at edge of pavement

Brow ditch adjacent to property under development/construction.

BATIQUITOS LAGOON

Dirt Storm Channel that runs along railroad tracks

Spill contained in empty lot.

3/17/2007 13:05	3/17/2007 8:00	3/17/2007 13:05	3/17/2007 13:10
3/22/2007 11:15	3/22/2007 11:15	3/22/2007 11:15	3/22/2007 11:15
3/31/2007 21:00	4/1/2007 18:52	4/1/2007 18:55	4/3/2007 12:53
4/7/2007 5:45	4/7/2007 5:15	4/7/2007 5:45	4/7/2007 6:15
4/26/2007 9:15	4/26/2007 9:15	4/26/2007 9:32	4/26/2007 10:50
5/19/2007 9:00	5/19/2007 9:30	5/19/2007 9:30	5/19/2007 10:30
6/12/2007 4:20	6/12/2007 4:25	6/12/2007 4:30	6/12/2007 4:40
9/4/2007 21:00	9/4/2007 21:10	9/4/2007 21:10	9/4/2007 21:11
10/28/2007 9:35	10/28/2007 9:35	10/28/2007 9:50	10/28/2007 12:00
11/4/2007 11:20	11/4/2007 11:20	11/4/2007 11:30	11/4/2007 12:00
11/13/2007 15:30	11/13/2007 15:40	11/13/2007 16:00	11/13/2007 16:30
12/31/2007 14:00	12/31/2007 14:00	12/31/2007 14:10	12/31/2007 15:10
4/28/2008 7:20	4/28/2008 7:30	4/28/2008 7:45	4/28/2008 8:05
6/19/2008 10:00	6/19/2008 10:20	6/19/2008 10:10	6/19/2008 10:10
7/5/2008 16:00	7/5/2008 16:30	7/5/2008 16:45	7/5/2008 17:00
8/4/2008 15:45	8/4/2008 15:45	8/4/2008 15:45	8/4/2008 19:30
12/23/2008 11:30	12/23/2008 11:35	12/23/2008 11:40	12/23/2008 15:30
3/26/2009 10:40	3/26/2009 10:40	3/26/2009 10:53	3/26/2009 11:05
3/27/2009 8:20	3/27/2009 8:25	3/27/2009 8:30	3/27/2009 8:35
9/29/2009 8:30	9/29/2009 8:30	9/29/2009 8:30	9/30/2009 8:30
11/18/2009 0:00	11/18/2009 4:44	11/18/2009 5:00	11/18/2009 5:05
12/29/2009 4:58	12/29/2009 5:00	12/29/2009 5:15	12/29/2009 6:30
2/22/2010 0:00	2/22/2010 6:40	2/22/2010 6:50	2/22/2010 6:55
3/11/2010 6:00	3/11/2010 6:07	3/11/2010 6:25	3/11/2010 6:40
10/7/2010 0:00	10/7/2010 10:53	10/7/2010 10:53	10/7/2010 13:55
4/27/2011 0:00	4/27/2011 15:35	4/27/2011 15:35	4/27/2011 17:00
8/9/2011 15:15	8/9/2011 15:17	8/9/2011 15:25	8/9/2011 15:25
7/6/2012 19:29	7/6/2012 19:29	7/6/2012 20:15	7/6/2012 20:15
10/7/2012 0:00	10/7/2012 6:00	10/7/2012 6:15	10/8/2012 20:30
1/5/2013 17:44	1/5/2013 17:54	1/5/2013 18:35	1/5/2013 18:10
2/13/2013 11:25	2/13/2013 11:25	2/13/2013 11:40	2/13/2013 12:30
4/24/2013 0:00	4/24/2013 11:00	4/24/2013 11:15	4/25/2013 0:30
5/6/2013 8:05	5/6/2013 8:10	5/6/2013 8:10	5/6/2013 8:30
9/10/2013 10:40	9/10/2013 10:55	9/10/2013 11:15	9/10/2013 11:15
6/30/2007 8:30	6/30/2007 8:52	6/30/2007 9:15	6/30/2007 9:25
11/9/2007 6:00	11/9/2007 12:01	11/9/2007 12:11	11/9/2007 12:30
9/4/2008 20:00	9/4/2008 20:03	9/4/2008 20:50	9/4/2008 20:50
11/4/2008 16:30	11/4/2008 18:39	11/4/2008 19:10	11/4/2008 19:20
11/11/2008 10:30	11/11/2008 10:40	11/11/2008 11:15	11/11/2008 12:05
5/24/2009 0:00	5/24/2009 12:02	5/24/2009 12:55	5/24/2009 13:15
8/17/2009 12:40	8/17/2009 12:45	8/17/2009 13:02	8/17/2009 13:15
11/3/2009 0:00	11/3/2009 9:06	11/3/2009 9:22	11/3/2009 9:54
12/3/2009 0:00	12/3/2009 11:15	12/3/2009 11:31	12/3/2009 11:41
1/9/2010 0:00	1/9/2010 15:33	1/9/2010 15:57	1/9/2010 16:37
5/3/2010 0:00	5/3/2010 19:19	5/3/2010 19:45	5/3/2010 20:00
10/19/2010 0:00	10/19/2010 5:30	10/19/2010 5:30	10/19/2010 5:30
4/27/2011 0:00	4/27/2011 8:30	4/27/2011 8:42	4/27/2011 8:49
10/1/2011 15:30	10/1/2011 15:30	10/1/2011 16:35	10/1/2011 16:45
2/1/2013 0:00	2/1/2013 5:39	2/1/2013 5:37	2/1/2013 5:55
12/23/2007 13:55	12/23/2007 14:38	12/23/2007 14:35	12/23/2007 14:35
12/23/2007 13:55	12/23/2007 14:38	12/23/2007 14:35	12/23/2007 14:35
7/15/2008 19:30	7/15/2008 0:00	7/15/2008 19:40	7/15/2008 21:00
8/19/2008 17:55	8/19/2008 17:55	9/19/2008 18:05	9/19/2008 19:25
6/6/2009 0:00	6/6/2009 14:00	6/6/2009 14:00	6/6/2009 14:30
9/8/2009 13:30	9/8/2009 13:30	9/8/2009 14:00	9/8/2009 14:30

Root intrusion
Other (specify below)
Other (specify below)
Root intrusion
Root intrusion
Root intrusion
Debri-General
Root intrusion
Vandalism
Grease deposition (FOG)
Root intrusion
Other (specify below)
Debri-General
Root intrusion
Pump station failure
Pipe structural problem/failure
Pipe structural problem/failure
Debri-General
Root intrusion
Vandalism
Root intrusion
Pipe structural problem/failure
Debri-Rags
Root intrusion
Pipe structural problem/failure
Flow exceeded capacity (Separate CS Only)
Debri-General
Root intrusion
Pipe structural problem/failure
Debri-General
Root intrusion
Debri-General
Other (specify below)
Debris from Construction
Root intrusion
Debri-General
Root intrusion
Root intrusion
Debris
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Other (specify below)
Pipe structural problem/failure
Other (specify below)
Other (specify below)
Root intrusion
Pipe structural problem/failure
Pump station failure
Pump station failure
Debris
Grease deposition (FOG)
Grease deposition (FOG)
Debri-General

Blockage on private property caused overflow. Advised resident to clear blockage and make neccesary repairs
Investigation to the cause is ongoing, preliminary report indicates external corrosion *recovered volume is estimated to b

Construction debris. Inspector to have developer re-clean and televise the sewer main
Root intrusion caused overflow
Vandals threw construction BMP's into sewer manhole causing overflow
FOG appears to be the cause. We will CCTV the main to determine cause.

spill cause unknown. No material was recovered when blockage was released. Videocamera of the line did not indicate
Appeared to be grease and rags

Lift station failed causing overflow. City staff cleaned up overflow and locked bathroom until technician adjusted pumps t

Ball of concrete or rock, grit, debris

Vandalism-large pieces of debris, (cement, wood, wire, rocks, etc) put into sewer manhole
Root blockage in gravity sewer main.
Pipe structural problem/failure.
Construction debris (red brick and concrete grout) and rags backed up sewer main.
Root blockage in main overflowed into residence.

Flow exceeded gravity sewer pipeline due to Legoland emptying their lazy river ride for maintenance.

Root intrusion into PVC fitting.

Construction debris built up around temp trap from developer.
Root instrusion inside the manhole.
Construction debris inside manhole.
Construction debris.

* inch main line partially blocked by inflatable construction plug
Spill originated from a 2 foot long series of holes (pits from external corrosion) at the bottom of a 24 inch Ductile Iron For
Pump station failure and operator misconduct see uploaded summary. Electric surge (apparently due to lightning strikes
Forcemain air release valve flange failed
Roots in mainline

Pump station power failure.

Lower Lateral
e 80% of the spilled volume, pending more deta
Main
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Other (specify below)
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Other (specify below)
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Other (specify below)
Other (specify below)
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Other (specify below)

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Other (specify below)
Other (specify below)
Main
Other (specify below)
Main

ailed calculations

At lift station
PVC main developed a 4 split
8 PVC force main failed causing overflow.
In sewer main along Interstate 5 near Las Flores

Root blockage in gravity sewer main.
Mainline due to problem/failure.
35' upstream from MH 6A-9 in the center of Marron Rd 150' east of El Camino Real.
Root blockage growing through pipe joint.

In manhole, construction trap was not removed causing manhole to overflow.
Failure occured one foot downsteam of manhole 7C-6. Heavy root intrusion into main line 45 degree fitting.

Inside manhole, plugged construction trap.
Root instusion inside the manhole caused the gravity flows to backup in the manhole.

Private lateral

Roots from lower lateral, clogged main line

ROOTS IN MAIN LINE downstream of manhole that overflowed

within pump station control system on the 24VDC circuit
Forcemain air release valve

Crack forcemain pipe

4
24
8
8 vcp
8 vcp

6 vcp
8

4

8 pvc
6 VCP

8 PVC
8 PVC
8 vcp
8 vcp

4 cast iron

54 pvc lined RCP pipe

14 DIP

No

VCP
8 pvc
8 VCP
8 VCP
8 VCP
8 VCP
8 VCP

8 vcp
8 vcp
24 DIP

8
24

8 clay

8

25

20

26

33
2
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38
32
37

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35
31

9

Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause
Restored flow
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill)
Contained all or portion of spill
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Restored flow
Cleaned-up (mitigated effects of spill)
Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R

Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system

Located property line cleanout, televised it to determine that city responsibility was clear
City crews and neighboring agencies responded as soon as the spill was known. Specialty contractor was hired to install

200 total gallons recovered spill volume and wash water

Vacccuumed up overflow and washed down the area and collected that water as well.
Jetted mainline to clear blockage, will CCTV to determine extent of root intrusion. Small amount of overflow pushed bacl
Emergency crews cleared blockage
Crews cleared blockage, set up containment in drainage channel on power planr property. Recaptured >7000 gallons fro

cleared blockage and restored flow. Monitored bacti and posted signs per direction of Health Dept.
washed down and vaccuumed up the water around the spill site. City staff pumped out the desilt basin and returned to se

City crews responded with vactor truck and cleaned up overflow and also pumped out the wet well/sand
Plug and bypass operation to complete repair.

Cleaned up area, CCTV section of main

Containment set in place, lift stations diverted, debris removed from manhole
Crew went to site with two Vactors; one to clear stoppage and one to capture spill. Will return to CCTV and locate storm c
Cleared sewer line and restored flow. And recoverd all waste water and washed down street and back yard.
Cleaned up public right-of-way areas affected by spill.
Cleared stoppage, CCTV main to determine root blockage, ran main several times, called flood service for residence, cle

Asphalt was wet around manhole when crew arrived. Sewage was not flowing out of the manhole when crew arrived to sc

After further review onsite on the golf course, the overflow percolated into the drainage channel along holes 15 and 12. N
Cleaned up sewage that was puddled up in private residents drive way.

Relieved stoppage on Sunday, May 24, 2009. Debriefed staff, inspected line with CCTV camera. Root-sawed line and re-

Placed impacted sewer line segment on quarterly cleaning schedule

Leucadia Wastewater District Standby Duty Operator notified by Answering service that CA Fish and Game employee wc
Restored pump station operation (in manual), commenced sampling for bacterial impact, replaced damaged electronic cc

Placed lime down on spill and raked into ground.

4/16/2007 16:00
4/7/2007 8:00
4/26/2007 1:00
5/19/2007 11:00
6/12/2007 6:30

10/28/2007 16:00
11/5/2007 5:00

12/31/2007 17:00
4/28/2008 0:00

8/5/2008 10:00
12/23/2008 22:00
3/26/2009 14:30

9/29/2009 23:00
11/19/2009 12:00

2/22/2010 10:45

10/7/2010 13:55
4/27/2011 13:00

10/8/2012 20:30

4/25/2013 0:00

6/30/2007 11:42
11/9/2007 14:25

5/24/2009 1:15

11/3/2009 13:15
12/3/2009 16:30
1/9/2010 18:30
5/4/2010 17:00
10/25/2010 9:00
4/27/2011 8:49

2/1/2013 9:45

6/6/2009 14:30

Adjusted schedule/method of preventive maintenance;Repaired sewer;Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)
Other (specify below)

Other (specify below)
Adjusted schedule/method of preventive maintenance

Plan rehabilitation or replacement of sewer
Other (specify below)

Repaired sewer
Repaired sewer
Other (specify below)

Other (specify below)
Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer

Other (specify below)

Repaired sewer
Other (specify below)

Repaired sewer;Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer
Added sewer to preventive maintenance program

Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance
Adjusted schedule/method of preventive maintenance
Other (specify below)
Repaired sewer
Other (specify below)
Other (specify below)

Plan rehabilitation or replacement of sewer

Other (specify below)

Additional technologies are being explored to conduct a condition assessment. Leak detection enhancements are also be
Televise the sewer main to investigate cause of overflow
Televise system to examine the extent of the root intrusion
Scheduled point repair to rehab root ball
Contractor to clean and televise that section

Locking manhole has been purchased and the contractor will install.
CCTV main, change schedule of cleaning to more aggressive schedule and a grease inspection program has been imple

Sewer is planned for rehabilitation - Engineering Dept. is waiting on environmental permits before work can commence
Change cleaning schedule, televise main, do outreach for residental FOG

Investigation ongoing

Setting up temporary sewer piping while new sewer main alignment is installed. 24/7security at pipeline diversion. Emer
Plan point repair at area of root intrusion and/or manhole rehabilitation.

Clear debris stoppage, and clean affected areas.

Instruct Legoland staff not to pump inot our sewer system without prior notification.

Broken piping is in process of repair. Lift station discharge temporary high line in place for the conveyance of sewage to f

Work with inspection to eliminate construction debris from entering sewer system.

Responded to spill, cleared blockage, commenced mitigation at primary impacted area and at a secondary point downstre
contained spill in adjacent brow ditch, relieved blockage, collected spilled sewage and returned it to sewer, cleaned area,
Within 45 minutes of notification, Leucadia Wastewater District standby duty operaor shutdown pump station, isolated lea
Replaced damaged electronic components, amending critical parts list, installing an additional communication device, re
air release valve isolated, air release valve will be replaced

Replace 90 Feet of Ductile Iron Force main with C900 PVC pipe

Reviewing cleaning procedures with responsible agency.

Yes
No
Yes
Yes
Yes

No
Yes

Yes
Yes

No
No
Yes

Yes
Yes

Yes

Yes
No

Yes

Yes

No
No

No

No
No
Yes
No
Yes
No

Yes

No

Aerial inspection done with Fish and Game staff and City environmental staff.

None
water at edge where spill entered appeared clear, no paper or debris observed.
Desilt basin will hold until we pump it out, not affecting the Batiquitos agoon.

NA
Did not reach any waters, dissipated into dirt area.
No receiving waters affected.
Small amount of overflow, very unlikely it reached Buena Vista Lagoon surface waters. Heavy tullies
NA

NA
N/A
None visible.
NA
Encinas Creek received some overflow, no visible signs @ Pacific Ocean

Inspected unnamed creek 1 mile downstream of spill, no odor no debris observed. No access to creek prior to this bridge.
none
No measurable impact, wet spot on soil at edge of pavement
N/A
Not Applicable
Checked storm drain vault, no debris or excess water observed.
Did not reach receiving water

No significant impact
NA - none
None
None
No plume observed

Yes
No
No
No
No

No
No

Yes
No

No
No
No

No
No

Yes

Yes
No

Yes

No

No
No

No

No
No
No
No
Yes
Yes

Yes

No

NA
NA
NA
NA
NA

NA
NA

Foxes Beach. Warning signs posted every 50 feet for 150 feet upstream and 150 feet downstream of spill site. Additior
NA

NA
NA
NA

NA
NA

Buena Vista Lagoon fishing areas.

Ponto Beach--Directed by Health Dept. to post beach

Initial samples have come back negative. Beach has been posted with signage

NA
NA

N/A

NA
MA
NA
NA
BATIQUITOS LAGOON and South Carlsbad Beach

Carlsbad State Beach Noth of Carlsbad State Camp grounds

NA

Buena Vista Lagoon
On street next to manhole
on street next to manhole
storm drain box
area around manhole

NA
NA

Agua Hedionda Lagoon
NA

NA
gutter on street
NA

NA
NA

Buena Vista Lagoon.

Encinas Creek
none
n/a
NA
Battiquitos Lagoon
n/a
n/a
Drainage channel on golf course.
n/a

Batiquitos Lagoon
NA

N/A

NA
Batiquitos Lagoon
NA
NA
BATIQUITOS LAGOON
Batiquitos Lagoon
None
Enicinca Creek

NA

Dissolved oxygen;Biological indicator(s) - specify below
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken
No water quality samples taken

Biological indicator(s) - specify below
No water quality samples taken

Not applicable to this spill
No water quality samples taken
No water quality samples taken

Not applicable to this spill
No water quality samples taken;Not applicable to this spill

No water quality samples taken

Biological indicator(s) - specify below
Not applicable to this spill

Other (specify below)

No water quality samples taken

No water quality samples taken
Not applicable to this spill

Not applicable to this spill

No water quality samples taken
No water quality samples taken
No water quality samples taken
Not applicable to this spill
Biological indicator(s) - specify below
Biological indicator(s) - specify below

Biological indicator(s) - specify below

Not applicable to this spill

Fecal, Total and Enterococcus

Bacti samples taken on 12/31 and 1/1 50 feet upstream and downstream as well as at Foxes Beach.

Visual observation conducted downstream, no affects seen.

This spill happened during a rain event (not related to) and sampling was not possible due to flow levels.

e coli, fecal, total chloiform, enterococcus

Grab samples taken from impacted recieving waters taken to Encina Wastewater treatment plant lab for analysis

San Diego County Health requested Total Coliform, Fecal Coliform, and Enterococcus.
Total Coliform, Fecal coliform & enterococcus

Total & Fecal Coliform and Enteroccus

County Health Agency;Regional Water Quality Control Board
None of the above
None of the above
None of the above
None of the above

None of the above
None of the above

County Health Agency
None of the above

None of the above
None of the above
None of the above

None of the above
None of the above

No water quality samples taken

County Health Agency
Not applicable to this spill

County Health Agency;Regional Water Quality Control Board

None of the above

None of the above
None of the above

None of the above

None of the above
No water quality samples taken
None of the above
None of the above
County Health Agency
County Health Agency

County Health Agency

Not applicable to this spill

Results reported to Clay Clifton at CDPH.

CCTV to investigate possible causes and prevent another incident

Samples taken for 48 hours. Health Department authorized removal of warning signs on beach after two days of clean sa

ımples (see attached lab results).

72061	4/2/2007 2:00
76624	10/29/2007 10:50
76792	11/4/2007 1:13
83077	4/28/2008 9:50
84936	7/5/2008 19:00
85658	8/4/2008 17:10
89103	12/23/2008 14:20
92542	3/26/2009 12:50
92557	3/27/2009 8:45
96608	9/29/2009 10:10
97793	11/18/2009 5:43
98622	12/29/2009 6:18
101321	2/22/2010 7:35
101700	3/11/2010 7:30
106055	10/7/2010 12:00
112367	4/27/2011 17:57
114725	8/9/2011 15:31
123930	7/6/2012 21:45
120635	10/7/2012 9:34
130106	1/5/2013 22:02
130965	2/13/2013 16:40
132467	4/25/2013 2:00
132722	5/6/2013 16:50
73931	6/30/2007 10:12
93897	5/24/2009 3:00
97433	11/4/2009 15:10
98081	12/3/2009 12:30
100179	1/9/2010 17:30
102774	5/3/2010 20:30
106274	10/19/2010 8:00
112627	4/27/2011 10:35
130684	2/1/2013 8:27
94194	6/7/2009 9:27

Laurie Elder 7607309110

9SSO11384	Active	650892	Jesselton Gregorio	Certified
9SSO11384	Active	705701	Jesselton Gregorio	Certified
9SSO11384	Active	713920	Jesselton Gregorio	Certified
9SSO11384	Active	715044	Jesselton Gregorio	Certified
9SSO11384	Active	716204	Jesselton Gregorio	Certified
9SSO11384	Active	727091	Jesselton Gregorio	Certified
9SSO11384	Active	767181	Jesselton Gregorio	Certified
9SSO11384	Active	767314	Jesselton Gregorio	Certified
9SSO11384	Active	792920	Jesselton Gregorio	Certified
9SSO11384	Active	797741	Jesselton Gregorio	Certified
9SSO11384	Active	800479	Jesselton Gregorio	Certified
9SSO11438	Active	654132	Gary Reist	Certified
9SSO11438	Active	719084	Gary Reist	Certified
9SSO11438	Active	758793	Gary Reist	Certified
9SSO11438	Active	789134	Gary Reist	Certified
9SSO11438	Active	789143	Gary Reist	Certified
9SSO11461	Active	648108		Ready To Certify
9SSO11461	Active	648751		Ready To Certify
9SSO11461	Active	648766		Ready To Certify
9SSO11461	Active	648777		Ready To Certify
9SSO11461	Active	648780		Ready To Certify
9SSO11461	Active	649592		Ready To Certify
9SSO11461	Active	649593		Ready To Certify
9SSO11461	Active	650895		Ready To Certify
9SSO11461	Active	654481		Ready To Certify
9SSO11461	Active	654483		Ready To Certify
9SSO11461	Active	654487		Ready To Certify
9SSO11461	Active	654489		Ready To Certify
9SSO11461	Active	654491		Ready To Certify
9SSO11461	Active	654492		Ready To Certify
9SSO11461	Active	656904		Ready To Certify
9SSO11461	Active	657002		Ready To Certify
9SSO11530	Active	777813	Robert O Barnard	Certified
9SSO11541	Active	756442	Greg Kania	Certified
9SSO11541	Active	763946	Gregory Kania	Certified
9SSO11542	Active	756820	Gregory Kania	Certified
9SSO11542	Active	773748	Gregory Kania	Certified
	Draft	708934	Robert Hopkins	Certified
	Draft	710194	Robert Hopkins	Certified
	Draft	710195	Robert Hopkins	Certified
	Draft	726618	Jon Curtis Aaron	Certified
	Draft	745253	Jon Aaron	Certified
	Draft	759676	Rob Hopkins	Certified
	Draft	771977	Will Stelter	Certified
	Draft	776226	Will Stelter	Certified
	Draft	781790	Will Stelter	Certified
	Draft	786003	Will Stelter	Certified
	Draft	787623	Will Stelter	Certified
	Draft	788535	Will Stelter	Certified
	Draft	789515	Will Stelter	Certified
	Draft	789516	Will Stelter	Certified
	Draft	792968	Will Stelter	Certified
	Draft	793681	Will Stelter	Certified
	Draft	794583	Robert Orr	Certified
	Draft	797354	Will Stelter	Certified

EPS
EPS
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EPS
EPS
Environmental Protection Specialist
Environmental Protection Specialist
Environmental Protection Specialist
Environmental Protection Specialist
Environmental Protection Specialist
Chief Plant Operatins
Chief Plant Operations
Chief Plant Operations
Chief Plant Operations
Chief Plant Operations

Watewater Collections Superintendent
Park Maintenance Supervisor
Park Maintenance Supervisor
Park Maintenance Supervisor
Park Maintenance Supervisor
Utility Operations Manager
Utility Operations Manager
Utility Operations Manager
General Manager/CEO
General Manager/CEO
Utility Operations Manager
District Engineer
District Engineer
District Engineer
District Engineer
District Engineer
District Engineer
District Eng.
District Engineer
District Engineer
District Engineer
Operation Supervisor
District Engineer

MCRD San Diego		724078
MCRD San Diego		474097
MCRD San Diego		875624
MCRD San Diego		948070
MCRD San Diego		570227
MCRD San Diego		980341
MCRD San Diego		134483
MCRD San Diego		265689
MCRD CS		356097
MCRD CS		475683
MCRD CS		929340
Del Mar, California		165963
Del Mar, California		432186
Del Mar, CA		496416
Del Mar Fairgrounds		870027
Del Mar Fairgrounds		910784
	14.22	207829
San Clemente, CA		198508
San Clemente, CA		702818
San Clemente, CA		452215
San Clemente, CA		837889
North Tahoe Public Utility District		716974
North Tahoe Public Utility District		979435
North Tahoe Public Utility District		837104
	9/22/2008	846500
4:52 p.m.		768121
North Tahoe Public Utility District		963390
5:45 pm PST		422748
	12:12	582306
	17:05	717021
	15:36	573471
	18:03	378080
	11:00	182812
	11:51	912767
	12:07	392063
	15:10	943279
	14:31	259149
16:44 pm		158034
	20:27	667638

24-May-07		29-May-07	12/3/2010
18-Oct-07		18-Oct-07	12/3/2010
26-Feb-08		3-Mar-08	12/3/2010
19-Mar-08		20-Mar-08	12/3/2010
16-Apr-08		16-Apr-08	12/3/2010
30-Sep-08		2-Oct-08	12/3/2010
6-Jun-11	6/6/2011	6-Jun-11	6/6/2011
9-Jun-11	6/9/2011	9-Jun-11	6/9/2011
26-Mar-13	3/26/2013	26-Mar-13	3/26/2013
12-Aug-13	8/12/2013	12-Aug-13	8/12/2013
4-Nov-13	11/4/2013	4-Nov-13	11/4/2013
13-Jul-07		27-Aug-07	8/27/2007
6-Jun-08		6-Jun-08	6/6/2008
19-Nov-10	11/19/2010	19-Nov-10	11/19/2010
18-Dec-12	1/31/2013	31-Jan-13	1/31/2013
18-Dec-12	12/18/2012	18-Dec-12	12/18/2012
19-Mar-07			
2-Apr-07			
2-Apr-07			
2-Apr-07			
2-Apr-07			
19-Apr-07			
19-Apr-07			
24-May-07			
20-Jul-07			
20-Jul-07			
20-Jul-07			
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20-Jul-07			
20-Jul-07			
6-Sep-07			
7-Sep-07			
21-Feb-12	2/21/2012	7-Mar-12	3/7/2012
26-Aug-10	8/26/2010	26-Aug-10	8/26/2010
2-Mar-11	3/2/2011	2-Mar-11	3/2/2011
15-Sep-10	9/15/2010	15-Sep-10	9/15/2010
5-Dec-11	12/5/2011	5-Dec-11	12/5/2011
10-Dec-07		21-Dec-07	1/26/2011
21-Dec-07		11-Jan-08	1/26/2011
21-Dec-07		6-Feb-08	1/26/2011
22-Sep-08		22-Sep-08	9/22/2008
30-Sep-09		29-Oct-09	10/29/2009
21-Dec-10	12/21/2010	23-Feb-11	4/8/2011
12-Oct-11	10/12/2011	12-Oct-11	10/12/2011
23-Jan-12	1/23/2012	23-Jan-12	1/23/2012
1-Jun-12	6/1/2012	1-Jun-12	6/1/2012
7-Sep-12	9/7/2012	7-Sep-12	9/7/2012
26-Oct-12	10/26/2012	26-Oct-12	10/26/2012
28-Nov-12	11/28/2012	30-Nov-12	11/30/2012
28-Dec-12	12/28/2012	28-Dec-12	12/28/2012
28-Dec-12	12/28/2012	28-Dec-12	12/28/2012
27-Mar-13	3/27/2013	27-Mar-13	3/27/2013
26-Apr-13	4/26/2013	26-Apr-13	4/26/2013
29-May-13	5/29/2013	29-May-13	5/29/2013
29-Jul-13	7/29/2013	29-Jul-13	7/29/2013

Category 3		5	5
Category 2		11654	0
Category 3		2	0
Category 3		160	0
Category 3		40	0
Category 3		720	160
Category 3		40	0
Category 3		35	10
Category 1		100	20
Category 1		150	150
Category 3	15	15	13
Category 3		40	35
Category 3		30	30
Category 3		50	50
Category 3		150	150
Category 3		150	150
Category 1		50	20
Category 3		30	
Category 1		1000	800
Category 3		800	
Category 3		175	
Category 1		1	0
Category 1		175	0
Category 1		1000	500
Category 1		25	0
Category 3		10	0
Category 1		100	15
Category 1		250	0
Category 1		240	0
Category 1		1200	0
Category 1		600	0
Category 1		50	0
Category 1		6235	0
Category 3		50	0
Category 3		500	0
Category 3		75	75
Category 3		60	0
Category 3		180	180
Category 3		250	250
Category 3		91	91
Category 3		500	0
Category 3		100	100
Category 1		136000	0
Category 3		2	2
Category 3		40	35
Category 3		500	240
Category 3		2	0
Category 3		45	15
Category 3		842	842
Category 3		100	25
Category 3		45	3
Category 3		47	0
Category 3		15	0
Category 3		25	0
Category 3		120	120

0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
80	No	No
10	No	No
0	No	No
	No	No
0	No	No
0	No	No
0	No	Yes
0	No	Yes
30	No	Yes
	No	No
200	Yes	Yes
	No	No
	No	No
1	Yes	No
175	Yes	Yes
500	No	Yes
25	Yes	Yes
	No	No
85	No	Yes
250	Yes	No
240	Yes	No
1200	Yes	No
600	Yes	Yes
50	Yes	No
870	Yes	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
0	No	No
136000	Yes	Yes
0	No	No
0	No	No
0	No	Yes
0	No	No
0	No	No
0	No	Yes
0	No	No
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0	No	No
0	No	Yes

Not Applicable - Spill did not reach a separate storm drainpipe
No
Not Applicable - Spill did not reach a separate storm drainpipe
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Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe
Yes

Bldg. 11
MCRD San Diego, Belleau Avenue bldg 224
MCRD San Diego, Bldg. 148
MCRD San Diego, Bldg. 569
MCRD San Diego, Bldg 569
MCRD SD Bldg. 555
MCRD San Diego, Bldg. 569
MCRD San Diego Bldg.569
MCRD San Diego Bldg.569 Recruit Mess Hall
MCRD San Diego Bldg. 619 Personnel Billeting
MCRD San Diego Bldg. 569 Recruit Mess Hall
22nd District Agricultural Association
22nd District Agricultural Association
Del Mar Golf Center
Fairgrounds - west of Operations trailer
Del Mar Fairgrounds west side of Operations trailer
SUBASE: Bldg 215, Sylvester Road, Manhole 9/7
SUBASE, Bldg 263
NASNI, NEX
NASNI, Bldg 1 Lft Station
SUBASE, Bldg 547
NBSD Pier 5,
NBSD, Pump Station at Bldg 3343, Pier 8
SUBASE Bldg 512
SUBASE Bldg 247
Admiral Baker Field RV Park Area
NAVSTA Bldg 3210 (Anchors & Spurs Club)
NAVSTA Pier 8
NAVSTA Pier 6
NAVSTA Pier 5
SUBASE Bldg 247 Pump Station
SUBASE Pier 5000
easement behind 24069 Manresa CT
San Mateo Campground, lower lift station wet well
San Mateo Maintenance Yard Pump Station
San Clemente Dayuse Parking Lot
Orange Coast District Residence area #8
Manhole Number(s) SB-1-39 and SB-1-51
NTPUD Force Main Air / Vacuum Breaker - 4300 North Lake Blvd.
253 Park Lane
Cheshire Court Easement Manhole 85
Sierra Boat Company at State Highway 28
3730 North Lake Blvd. Manhole # 161
4388 Beaumont Rd.
8841 Dolly Varden
Dollar 22 (inactive) force main
1160 Whitehall
9759 N. Lake Blvd
3600 north lake blvd.
5778 Nile Street
8738 Trout
8684 Trout
8669 Dolly Varden
8674 Steelhead
Pino Grande & HWY 28

32.74398	-117.19815	San Diego
32.7426	-117.19221	San Diego
32.7426	-117.19221	San Diego
32.73893	-117.19878	San Diego
32.73893	-117.19878	San Diego
32.73893	-117.19878	San Diego
32.7426	-117.19221	San Diego
32.7426	-117.19221	San Diego
32.74305	-117.19274	San Diego
32.74305	-117.19274	San Diego
32.74305	-117.19274	San Diego
32.973611	117.2625	San Diego
32.973611	117.2625	San Diego
32.976214	-117.253708	San Diego
32.972217	-117.261692	San Diego
32.972217	-117.261692	San Diego
32.688742	117.240375	San Diego
32.681603	117.240961	San Diego
32.702014	117.182831	San Diego
32.711678	117.190719	San Diego
32.688997	117.241244	San Diego
32.67915	117.125708	San Diego
32.6748	117.1205	San Diego
32.681389	117.241389	San Diego
32.688333	117.239167	San Diego
32.793056	117.101944	San Diego
32.683056	117.114167	San Diego
32.673889	117.121667	San Diego
32.677222	117.124167	San Diego
32.678611	117.126667	San Diego
32.688333	117.239167	San Diego
32.689167	117.236944	San Diego
33.59014	-117.19619	Riverside
33.459722	-117.617222	Orange
33.536667	-117.622222	Orange
33.4675	-117.646389	Orange
33.40422	-117.60163	Orange
39.261667	-120.060556	Placer
39.21129	-120.08878	Placer
39.23101	-120.01349	Placer
39.2469	120.06485	Placer
39.22103	-120.07622	Placer
39.20098	-120.09572	Placer
39.21297	-120.101992	Placer
39.241736	-120.017111	Placer
39.196667	-120.099167	Placer
39.250556	-120.042778	Placer
39.227778	-120.010278	Placer
39.195239	-120.099661	Placer
39.234722	-120.0725	Placer
39.2375	-120.018611	Placer
39.2375	-120.019722	Placer
39.241703	-120.020178	Placer
39.24	-120.020278	Placer
39.238333	-120.042778	Placer

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Spill occurred at Bldg. 11, MCRD, San Diego
Outside of Bldg. 224 Entrance
Outside Bldg. 148, inside of compound work area.
Outside of bldg 569 Recruit Mess Hall. South of building, east loading dock.

Recruit Mess Hall Blg.569. South of the building at east supply loading dock.
Outside of bldg.569. South of the building at east supply loading dock.
Sewer manhole located in bldg.569 at the back loading dock.
Billeting ground room toilet sewer overflows.
Sewer manhole located behind bldg. 569 mess hall at the loading dock.
Approximately 40 gallons overflowed from a small underground pump station located in a RV parking area. Fluids were r
Parking lot just south of the Golf Driving Range Building
North end of Golf Center building
A temporarry above ground 4 pvc sewer force main pipe located at the Del Mar Fairground on the west side of the Opera
Del Mar Fairgrounds, 50 ' west of Operations Trailer.
Manhole 9/7 within Sylvester Road
Manhole MH-11-41 Near Bldg 263, spill on dirthill off parking lot
Manhole at Naval Exchange near Bldg 484
Manhole at sewer lift station for Bldg 1
Seepage from Manhole. Spilled into adjacent dirt.
Pierside, valve misaligned on ship-to-shore hose. Spill occurred between ship and pier.
Sewer cleanout next to pump station in Bldg 3343. Sewage flowed from cleanout into storm drain and into San Diego Ba
Overflow from Sanitary Sewer Manhole 11/42 along Ashburne Road, between the road and Bldg 512. Manhole is appro
Temporary containment for sewer system work leaked. Street near manhole 9/22.
Grass area within RV Park
Manhole 9/29 in Parking Lot of Anchors & Spurs Club, Bldg 3210.
Sewer piping under pier 8 over San Diego Bay
Sewer piping under Pier 8.
Sewer pipe under Pier 5
Temporary Sewer Pump Station within Bldg 247.
Middle of Pier 5000 at SUBASE, CHT Hose connection to submarine
in an easement behind the address of 24069 Manresa Ct
Lower lift station#2 at wet well.

Spill located in center island adjacent to dayuse parking lot. Spill discharged from island into parking lot.

Spill primary location is NTPUD Manhole number SB-1-39, located in the westbound slow lane of North Lake Blvd. / Hig
Air / Vacuum release valve for NTPUD Force Main. Located on south side North Lake Boulevard / Highway 28. Valve bc
NTPUD Manhole # SB-1-194, located in roadway in fronting 253 and 257 Park Lane
Manhole located on easement between 1432 and 1436 Cheshire Court. Manhole is located at easterly and downhill portic
In the State right of way on Highway 28.
Transition Manhole Force Main to Gravity Main, denoted as Manhole # 161 on North Tahoe Public Utility District Sewer M
Back of Lot Sewer Main. Behind House
Single Family Residence. Property line clean-out.
East side of Highway (approximately 1/2 way up forcemain alignment)
Property Line C/O for 1160 Whitehall (See attached memo and paperwork)
See attached Memo

Building Clean out - adjacent to structure
Building C/O
Building C/O of rear unit
Property line Clean-out
under house
Intersection of Pino Grande and HWY 28 (North Lake Blvd.)

1

ecovered with our vacuum truck.

ations trailer.

y.
x. 223 feet northwest of Bldg 512.

hway 28. Nearest business is Kentucky
ox fronts property at 4300 North Lake Bc

on of property

laps

Building or structure
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Manhole
Building or structure
Manhole
Pump station
Gravity sewer
Gravity sewer
Force main or pressure sewer
Force main or pressure sewer
Manhole
Manhole
Manhole
Pump station
Manhole
Other (specify)
Other sewer system structure
Manhole
Other (specify)
Pump station
Manhole
Gravity sewer
Gravity sewer
Force main or pressure sewer
Pump station
Other (specify)
Manhole
Pump station
Other sewer system structure
Gravity sewer;Manhole
Gravity sewer
Manhole
Force main or pressure sewer
Manhole
Manhole
Force main or pressure sewer
Force main or pressure sewer;Gravity sewer
Manhole
Other (specify)
Force main or pressure sewer
Building or structure
Gravity sewer
Force main or pressure sewer
Other (specify)
Other (specify)
Other sewer system structure
Other (specify)
Other (specify)
Manhole

Overflow from manhole 9/7
Small trickle from manhole lid. Flow absorbed by surrounding dirt. No storm drain involved.

Manhole at sewer lift station for Bldg 1

Valve on Ship-to-Shore hose.
Sewer cleanout

Temporary containment for sewer system work leaked. Potable water was used to clean sewer maintenance hoses in se

CHT Hose connection to sewer (Ship-to-shore connection)

Primary spill point and majority of flow discharge was at District manhole SB-1-39, which is lower in elevation than the se

Sewage was seeping out of manhole to roadway at less than one gpm. Sewage was freezing on road surface and paved

Property Line C/O

See attached Memo

Building C/O
Building C/O
Building C/O
property line clean-out
under house

Other (specify below)
Other (specify below)
Other paved surface
Separate storm drain
Other paved surface
Other paved surface;Separate storm drain;Other (specify below)
Other paved surface;Separate storm drain;Other (specify below)
Other paved surface;Separate storm drain
Other paved surface;Separate storm drain
Building or structure
Building or Structure
Other paved surface;Unpaved surface
Other (specify below)
Other paved surface
Other (specify below)
Other (specify below)
Storm drain
Unpaved surface
Storm drain
Other paved surface
Unpaved surface
Surface water
Surface water
Unpaved surface
Surface water
Unpaved surface
Storm drain
Surface water
Surface water
Surface water
Surface water
Surface water
Surface water;Unpaved surface
Unpaved surface
Building or structure;Other paved surface
Other paved surface
Unpaved surface
Other paved surface;Separate storm drain
Other (specify below)
Other paved surface
Unpaved surface
Other paved surface
Separate storm drain;Surface water
Unpaved surface
Unpaved surface;Other (specify below)
Separate storm drain;Other (specify below)
Unpaved surface
Street/curb and gutter
Unpaved surface;Other (specify below)
Unpaved surface
Unpaved surface
Unpaved surface
Other paved surface
Other (specify below)
Street/curb and gutter;Other (specify below)

Approx. 5 gallon of sewage spill was captured in a 5 gallon bucket and was returned to the sanitary sewer system. Believe that spill is being dumped into the San Diego bay near the Coast Guard station on Harbor Drive.

Of 720 gallons, estimated that 50% went to the solid pavement, 25% were captured through absorbent socks and 25% to Catch basin

Captured fluid was vacuumed up and returned to on site sewer system.
All spill material was captured from parking lot and returned to sewer. Did not reach storm drain.

All spill material returned to sanitary sewer.
Storm Separator tank in main parking lot
San Diego Bay, then Pacific Ocean

poured from grassy area into a parking lot. NO release to storm drain or other surface water body.

Storm drain discharges to a catch basin. Catch basin drains to soil in canyon. Approx. 500 gallons of sewage infiltrated i San Diego Bay

San Diego Bay near Pier 5000 at SUBASE
San Diego Bay

Private property owner's driveway.
Driveway

Pooled up and froze on ground next to Property line C/O
Hillside adjacent to highway.
immediate area around P/L C/O
204 feet of gutter, no stormdrains
sedimentation basin
Adjacent to Building and C/O - pooled up and stopped
Adjacent to C/O - Pooled up.
Next to building, rear of parcel, in Dirt
Road
under house
Captured in Storm Drain Vault

5/4/2007 1:00	5/7/2007 8:00	5/4/2007 1:00	5/4/2007 0:00
3/19/2007 0:00	10/18/2007 16:30	10/18/2007 16:00	10/18/2007 16:00
2/23/2008 6:00	2/25/2008 8:00	2/25/2008 7:00	2/23/2008 8:00
3/19/2008 7:00	3/19/2008 7:05	3/19/2008 7:30	3/19/2008 8:20
4/16/2008 7:40	4/16/2008 7:55	4/16/2008 7:45	4/16/2008 8:00
9/29/2008 6:30	9/29/2008 7:00	9/29/2008 7:00	9/29/2008 10:30
6/6/2011 8:00	6/6/2011 8:05	6/6/2011 8:10	6/6/2011 8:40
6/7/2011 12:45	6/7/2011 12:47	6/7/2011 12:55	6/7/2011 13:20
3/22/2013 8:20	3/22/2013 8:25	3/22/2013 8:35	3/22/2013 9:10
7/22/2013 6:00	7/22/2013 6:00	7/22/2013 6:15	7/22/2013 7:30
10/24/2013 14:00	10/24/2013 14:10	10/24/2013 14:15	10/24/2013 14:50
5/27/2007 8:30	5/27/2007 8:40	5/27/2007 8:40	5/27/2007 9:00
5/16/2008 10:00	5/16/2008 10:10	5/16/2008 10:15	5/16/2008 10:20
10/20/2010 0:00	10/20/2010 14:10	10/20/2010 14:15	10/20/2010 14:20
11/14/2012 7:20	11/14/2012 7:21	11/14/2012 7:22	11/14/2012 7:30
11/14/2012 7:15	11/14/2012 7:20	11/14/2012 7:22	11/14/2012 7:30
3/13/2007 10:15	3/13/2007 10:15	3/13/2007 10:15	3/13/2007 10:45
1/9/2007 8:00	1/9/2007 13:50	1/9/2007 8:30	1/9/2007 9:00
2/6/2007 14:00	2/6/2007 14:00	2/6/2007 14:10	2/6/2007 14:30
2/21/2007 15:05	2/21/2007 15:05	2/21/2007 15:30	2/21/2007 16:30
3/8/2007 12:20	3/8/2007 12:30	3/8/2007 12:30	3/8/2007 13:05
4/4/2007 11:25	4/4/2007 12:00	4/4/2007 11:25	4/4/2007 11:26
4/5/2007 6:00	4/5/2007 6:05	4/5/2007 6:30	4/5/2007 7:30
5/21/2007 16:45	5/21/2007 17:00	5/21/2007 17:20	5/21/2007 20:00
5/30/2007 12:00	5/30/2007 12:10	5/30/2007 12:10	5/30/2007 12:10
5/30/2007 19:30	5/30/2007 19:45	5/30/2007 20:00	5/30/2007 20:30
6/4/2007 14:15	6/4/2007 14:30	6/4/2007 14:45	6/4/2007 16:35
6/20/2007 7:00	6/20/2007 7:05	6/20/2007 7:10	6/20/2007 14:00
7/5/2007 6:00	7/5/2007 6:05	7/5/2007 6:10	7/5/2007 12:00
7/20/2007 9:00	7/20/2007 9:00	7/20/2007 9:05	7/20/2007 11:00
8/27/2007 19:30	8/27/2007 19:40	8/27/2007 19:55	8/27/2007 20:30
8/24/2007 7:30	8/24/2007 7:31	8/24/2007 7:30	8/24/2007 7:31
2/19/2012 10:30	2/19/2012 11:38	2/19/2012 12:25	2/19/2012 17:00
7/30/2010 0:00	7/30/2010 0:00	7/30/2010 0:00	7/30/2010 0:00
2/28/2011 0:00	2/28/2011 13:40	2/28/2011 13:42	2/28/2011 13:45
5/8/2010 0:00	5/8/2010 0:00	5/8/2010 0:00	5/8/2010 0:00
11/10/2011 8:00	11/10/2011 8:00	11/10/2011 8:00	11/10/2011 9:45
12/10/2007 7:30	12/10/2007 7:30	12/10/2007 8:10	12/10/2007 8:30
12/3/2007 12:30	12/3/2007 13:10	12/3/2007 13:20	12/3/2007 13:20
12/21/2007 8:09	12/21/2007 9:00	12/21/2007 9:10	12/21/2007 9:40
9/21/2008 12:29	9/21/2008 12:29	9/21/2008 13:00	9/21/2008 14:30
9/30/2009 11:15	9/30/2009 12:30	9/30/2009 11:30	9/30/2009 11:49
12/19/2010 0:00	12/19/2010 14:15	12/19/2010 14:00	12/19/2010 17:08
9/4/2011 12:00	9/4/2011 13:00	9/4/2011 13:30	9/4/2011 15:00
12/31/2011 7:00	12/31/2011 16:00	12/31/2011 17:00	12/31/2011 16:00
5/16/2012 0:00	5/16/2012 10:15	5/16/2012 11:00	5/16/2012 11:00
8/19/2012 17:00	8/19/2012 18:45	8/19/2012 19:08	8/19/2012 17:05
9/16/2012 12:00	9/19/2012 9:32	9/19/2012 9:32	9/19/2012 9:32
10/31/2012 14:30	10/31/2012 14:30	10/31/2012 10:00	10/31/2012 15:00
11/13/2012 17:00	11/14/2012 9:10	11/14/2012 9:15	11/14/2012 9:45
11/27/2012 11:30	11/27/2012 11:50	11/27/2012 11:55	11/27/2012 11:50
2/18/2013 9:30	2/18/2013 14:00	2/18/2013 14:21	2/18/2013 17:00
3/25/2013 13:45	3/25/2013 13:50	3/25/2013 14:00	3/25/2013 14:15
4/21/2013 14:30	4/21/2013 16:45	4/21/2013 17:05	4/21/2013 18:22
6/9/2013 1:00	6/9/2013 9:45	6/9/2013 10:45	6/9/2013 11:09

Pipe structural problem/failure
Other (specify below)
Debri-General
Debri-General
Debri-General
Debri-General
Debri-General
Debri-General
Debri-General
Debri-General
Debris-General
Pump station failure
Pump station failure
Debri-General
Pipe structural problem/failure
Pipe structural problem/failure
Root intrusion
Root intrusion
Other (specify below)
Pump station failure
Debris
Other (specify below)
Pump station failure
Root intrusion
Other (specify below)
Pump station failure
Pipe structural problem/failure
Pipe structural problem/failure
Pipe structural problem/failure
Pipe structural problem/failure
Other (specify below)
Other (specify below)
Vandalism
Pump station failure
Pipe structural problem/failure
Debri-General
Root intrusion
Debri-General
Debri-General
Root intrusion
Grease deposition (FOG)
Other (specify below)
Other (specify below)
Root intrusion
Root intrusion
Other (specify below)
Root intrusion
Root intrusion
Other (specify below)
Debri-General
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion

Misconnection of sewer line to storm drain that was completed by a contractor.

No hub coupling on temporary above ground 4 pvc pipe separated.
No hub coupling separated on 4 pvc pipe.

Power outage at the City of Coronado pump station. It was a planned outage and the City did not notify the Navy of the C

Valve misaligned on ship-to-shore hose.

Temporary containment for sewer system work. Potable water was used to clean sewer maintenance hoses in secondary

Metal pipe collapsed due to corrosion caused by condensation from adjacent steam pipe.
Leaking joints and couplings
Small hole in piping.
Hole in 12 forced sewer main.
Loose fittings on a 6 flange. The permanent pump station is undergoing routine maintenance and a temporary pump stat
CHT hose connection to submarine leaked (ship-to-shore connection)
the cause was rocks and branches that were put into the manhole

Spill cause reported by Operators as a combination of rocks and grease.
Air Release / Vacuum Breaker Valve stuck open at an unknown time prior to the initial call in to the District. This release
Small spill due to root intrusion 7 feet upstream from District manhole # SB-1-193.

Private contractor was digging under District force main and punctured pipe with backhoe.
Failure of Fuel Supply System to Emergency Backup Generators at Dollar Main Sewer Export Station.

Construction damage. Caltrans installation guardrail post.
Owner of house noticed standing liquid around residential pump (in garage) Sunday late afternoon, stopped using sewer,

pipe damaged by prior construction work. Pipe filled with Clean water to test

Upper Lateral
Other (specify below)
Upper Lateral
Upper Lateral
Upper Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Upper Lateral
Other (specify below)
Manhole

Main
Main
Other (specify below)
Other (specify below)

)utage.

containment. The containment leaked the hos

tion is operational at the site. A flange on the te

Main
Main
Main
Main
Main
Main
Other (specify below)
Main
Main
Main
Other (specify below)
Main
Lower Lateral
Other (specify below)
Main
Lower Lateral
Other (specify below)
Main
Main
Main
Lower Lateral
Main
Main

sewer and storm drain connection.

Toilet drain.

Temporary above ground pipe laying on ashpahlt pavement.
temporary pvc pipe laying on ashalt pavement

e flush water onto street and into storm drain.

mporary pump station leaked.

Air Release/Vacuum Breaker

Dollar Main Sewer Export Station fuel supply feed system between Bulk Fuel Tank and Generator Day-Tank located in G

Root intrusion between Property line C/O and Main
22 (inactive) forcemain
Main between two manholes

on inactive force main line. pipe filled with clean water to test.

6 ABS

22

No

NA
8 clay
4
4 PVC

6

4

6 clay

24 steel
enerator Room .
6 ACP
4
22 Steel
6 AC
4

7

25

35

40

35

42
42

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause
Other (specify below)
Restored flow
Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Restored flow
Cleaned-up (mitigated effects of spill)

Contained all or portion of spill
Returned all or portion of spill to sanitary sewer system
Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Restored flow
Other (specify below)
Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow
Other (specify below)
Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Other (specify below)
Restored flow;Other (specify below)
Restored flow;Other (specify below)
Restored flow;Other (specify below)
Restored flow
Restored flow;Other (specify below)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanitary sewer system
Contained all or portion of spill;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Contained all or portion of spill;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R

Secured source of spill to eliminate further contamination.

Stopped flow, realigned valve, restarted flow with no leakage. Do not recover 1 gallon that was spilled into the bay.

Stopped containment Leakage.
Overflow soaked into grass around manhole.
Repaired pipe.
Repaired joints and couplings under pier.
Repaired hole in piping and restored flow.
Repaired hole in piping.

Replaced hose connection
Made a confined space entry to remove rocks and branches from the manhole to restore flow

Jet rodded and evacuated all collected sewage and debris from sanitary sewer system and from storm drain drop inlets.
Spill mitigation consisted of removing the standing sewage from the Air / Vacuum Valve Canister and removing contamin
Initial spill response involved jet rodding the main from the downstream manhole # SB-1-193, to free the line ot the obstru

See attachment
Investigate customer call in, clear line at main, Root area scheduled for replacement. (See Memo and Lucity Asset Mana
See memo and field notes

10/18/2007 16:00

7/22/2013 7:30

3/13/2007 13:00

2/6/2007 14:30

4/4/2007 12:00
4/5/2007 12:00
5/21/2007 20:00
5/30/2007 12:10

6/4/2007 16:35
6/20/2007 16:00
7/5/2007 12:00
7/20/2007 11:00
8/27/2007 20:45
8/24/2007 7:31
2/22/2012 0:00

12/10/2007 8:30

12/19/2010 19:36

Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance;Repaired sewer

Other (specify below)

Other (specify below)
Adjusted schedule/method of preventive maintenance;Other (specify below)
Adjusted schedule/method of preventive maintenance;Repaired sewer
Other (specify below)

Plan rehabilitation or replacement of sewer;Repaired sewer
Adjusted schedule/method of preventive maintenance;Repaired sewer
Adjusted schedule/method of preventive maintenance;Repaired sewer
Added sewer to preventive maintenance program;Adjusted schedule/method of preventive maintenance;Repaired sewer
Repaired sewer
Other (specify below)
Added sewer to preventive maintenance program;Other (specify below)

Other (specify below)

Adjusted schedule/method of preventive maintenance;Other (specify below)

Plan to correctly reroute piping connection.

Unclogged toilet drain.

Working with the City of Coronado for proper notifications prior to pump station outages.

Talked with ship Ensign about making sure that valves are properly aligned prior to pumping gray water.
Repaired pump station pumps and returned system to normal operations.

Reviewed containment management practices with contractor who operated temprary containment.

Ensured that sailors involved were trained properly on CHT connections.
the manhole was originally bolted in place, the bolts were replaced and a steel bar was put in place and bolted to the mar

Flushed upstream and downstream sewer mains to eliminate any additional rocks (debris) that may have been present.

Higher Amperage Circuit Breakers have been installed on Day Tank Fuel Pumping System. Control Circuits to Day Tank

Yes

No

No

No

No
No
No
No

No
Yes
No
No
No
No
Yes

No

Yes

Clear negative sign that spill has reached the receiving water.

NA
N/A did not reach receiving water

Did not reach receiving water.
none observed
None, no part of the spill reached surface water.
no impact seen
No impact
no impact
none
None
No surface water impacted
none
None
none
none
None
None
None
None
none

No Receiving Waters Impacted

Not applicable.

N/A
N/A

No

No

No

No

No
No
No
No

No
No
No
No
Yes
No
Yes

No

No

N/A

N/A

N/A
NA

no beaches impacted. Storm drain discharges to Navy quay wall.

NA
NA
None
NA

NA
NA
NA
NA
Signs warning of contaminated water were posted at a nearby public beach area located at Kellogg Street and Lawrence
NA

NA

N/A
N/A

N/A

N/A
N/A
San Diego bay boat channel
San Diego Boat Channel

N/A
NA did not reach surface waters
N/A Did not reach receiving water.
San Diego Bay

San Diego Bay

San Diego Bay
San Diego Bay
None
San Diego Bay

NA
San Diego Bay
San Diego Bay
San Diego Bay
San Diego Bay near Pier 5000
San Diego Bay
blue line stream

Not applicable.
None
NA

Lake Tahoe
None - In Tahoe Basin
Lake Tahoe
N/A - Lake Tahoe downgrade
N/A
Lake Tahoe
None
None
None
N/A
none
N/A
Lake Tahoe

No water quality samples taken

Not applicable to this spill

No water quality samples taken

No water quality samples taken

No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

Not applicable to this spill
No water quality samples taken
No water quality samples taken
No water quality samples taken
Biological indicator(s) - specify below
No water quality samples taken
No water quality samples taken

No water quality samples taken

Other chemical indicator(s) - specify below;Biological indicator(s) - specify below;Other (specify below)

Coliform. Testing conducted at Kellogg/Lawrence St Beach by County DEH.

Lake water at spill point and 25 feet East and West of spill entry to Lake Tahoe sampled for 1) Turbidity, 2) Residual Chl

None of the above

Not applicable to this spill

County Health Agency;Regional Water Quality Control Board

None of the above

None of the above
None of the above
None of the above
None of the above

None of the above
None of the above
None of the above
None of the above
County Health Agency
No water quality samples taken
None of the above

Not applicable to this spill

County Health Agency;Regional Water Quality Control Board

11654	10/18/2007 17:23
71617	3/13/2007 14:00
70825	2/6/2007 17:30
72116	4/4/2007 12:31
72174	4/5/2007 15:30
73114	5/21/2007 21:35
73282	5/30/2007 13:30
73291	5/30/2007 23:30
33394	6/4/2007 17:15
73727	6/20/2007 13:30
74014	7/5/2007 11:10
74345	7/20/2007 11:15
75154	8/27/2007 21:45
75080	8/24/2007 8:30
120970	2/19/2012 2:35
86871	9/21/2008 19:00
96633	9/30/2009 11:54
107642	12/19/2010 15:00
115264	9/4/2011 14:00

Jesselton Gregorio 6195246579

Draft	798296 Will Stelter	Certified
Draft	801057 Will Stelter	Certified

District Engineer
District Engineer

13:38	422815
15:51	501214

28-Aug-13	8/28/2013	28-Aug-13	8/28/2013
22-Nov-13	11/22/2013	22-Nov-13	11/22/2013

Category 3		7	1
Category 3	7	7	7

0	No	No
0	No	No

Not Applicable - Spill did not reach a separate storm drainpipe
Not Applicable - Spill did not reach a separate storm drainpipe

9759 N. Lake Blvd.
1124 Regency

39.228611	-120.010139	Placer
39.255278	-120.064722	Placer

9759 NLB Property Line C/O
Property Line Clean Out

1

Other (specify)
Lateral Clean Out (Public)

Property Line C/O
Property Line Clean Out

Other paved surface
Unpaved surface

Front of Driveway
Next to Clean Out

7/23/2013 6:00	7/23/2013 6:30	7/23/2013 6:45	7/23/2013 6:45
10/29/2013 0:00	10/29/2013 16:45	10/29/2013 17:20	10/29/2013 18:15

Root intrusion
Debris-General

Lower Lateral Debris/Roots

Lower Lateral
Lower Lateral (Public)

No

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R

None

Bob Orr or Will Stelter (Ops Super) (District Engineer) 5305464212

WDID	STATUS	SPILL ID	CERT PERSON NAME	STEP	CERT PERSON TITLE
2SSO10159	Active	710749	Greg Dawson	Certified	Collections System Supervisro
2SSO10159	Active	710821	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	710830	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	733854	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	754263	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	759549	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	759963	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764499	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764779	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	788665	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789289	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789290	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	706881	Greg Dawson	Certified	Collection System Supervisor
2SSO10159	Active	735858	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	708247	Greg Dawson	Certified	Collection System Supervisor
2SSO10159	Active	709026	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	710205	Greg Dawson	Certified	Collection System Supervisor
2SSO10159	Active	710270	Greg Dawson	Certified	Collection System Supervisor
2SSO10159	Active	710560	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	712079	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	712733	Greg Dawson	Certified	Collection System Supervisor
2SSO10159	Active	716182	Greg Dawson	Certified	Collections Supervisor
2SSO10159	Active	731258	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	735665	Greg Dawson	Certified	Collections Supervisor
2SSO10159	Active	735666	Greg Dawson	Certified	Collections Supervisor
2SSO10159	Active	736460	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	743367	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	745659	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	746999	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	749566	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	749568	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	749794	Greg Dawson	Certified	Collections System Supervisor
2SSO10159	Active	756656	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	757482	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	758101	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	762441	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	762956	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764454	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764455	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764456	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764457	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764458	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764459	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764460	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764462	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764463	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764465	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764894	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764896	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764897	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764898	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764899	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764900	Greg Dawson	Certified	Collections System Technician

CERT LOCATION	CERT ID	SPILL CREATED DT	SUBMIT DRAFT DATE
935 Hartle Ct, Napa, CA	733869	39454	
935 Hartle Ct. Napa, CA	572104	39454	
935 Hartle Ct. Napa, CA	605317	39454	
Napa Sanitation District 935 Hartle Ct	485130	39862	
935 Hartle Ct, Napa, CA 94559	119494	40360	40360
935 Hartle Ct, Napa, CA 94559	379397	40531	40531
935 Hartle Ct, Napa, CA 94559	486394	40541	40541
935 Hartle Cdt	978159	40620	40620
935 Hartle Ct	659942	40626	40626
935 Hartle Ct	553034	41246	41246
935 Hartle Ct	467895	41266	41266
935 Hartle Ct	935431	41266	41266
935 Hartle Ct Napa, CA	110013	39385	
935 Hartle Ct, Napa	751790	39905	
Napa Sanitation Office	698794	39413	
935 Hartle Ct, Napa, CA	117136	39428	
935 Hartle Ct, Napa	661639	39437	
935 Hartle Ct. Napa, CA 94559	833705	39442	
935 Hartle Ct, Napa, CA 94559	523815	39447	
935 Hartle Ct, Napa, CA 94559	659922	39477	
935 Hartle Ct	575162	39490	
935 Hartle Ct, Napa, CA 94559	616664	39553	
935 Hartle Ct, Napa Ca	646612	39813	
935 Hartle Ct, Napa	400502	39902	
935 Hartle Ct, Napa	529548	39902	
935 Hartle Ct, Napa	745104	39920	
935 Hartle Ct, Napa, CA	666368	40044	
935 Hartle Ct Napa CA	842469	40101	
935 Hartle Ct, Napa, CA 94559	458942	40140	
935 Hartle Ct, Napa, CA 94559	819467	40231	
935 Hartle Ct, Napa, CA 94559	516326	40231	
935 Hartle Ct, Napa, CA 94559	759354	40233	
935 Hartle Ct, Napa Ca	195545	40429	40429
935 Hartle Ct, Napa, CA 94559	519145	40462	40462
935 Hartle Ct, Napa, CA 94559	122018	40476	40476
935 Hartle Ct	528601	40577	40577
935 Hartle Ct	105166	40588	40588
935 Hartle Ct, Napa, CA 94559	176852	40619	40619
935 Hartle Ct	729273	40619	40619
935 Hartle Ct	302115	40619	40619
935 Hartle Ct	801057	40619	40619
935 Hartle Ct	645134	40619	40619
935 Hartle Ct	621166	40619	40619
935 Hartle Ct	475903	40619	40619
935 Hartle Ct	295913	40619	40619
935 Hartle Ct	841680	40619	40619
935 Hartle Ct	861034	40619	40619
935 Hartle Ct	876239	40631	40631
935 Hartle Ct	268670	40631	40631
935 Hartle Ct	460333	40631	40631
935 Hartle Ct	331868	40631	40631
935 Hartle Ct	569443	40631	40631
935 Hartle Ct	526076	40631	40631

ORIGINAL CERTIFIED DATE	CERT DT	SPILL TYPE	SPILL VOL REACH LAND	SPILL VOL
39462	39462	Category 1		15000
39462	39462	Category 1		1200
39462	39462	Category 1		12000
39862	39862	Category 1		600
40373	40373	Category 1		10000
40534	40534	Category 1		1200
40554	40554	Category 1		400
40620	40620	Category 1		40
40638	40638	Category 1		875
41246	41246	Category 1		5
41270	41270	Category 1		600
41270	41270	Category 1		100
39385	39385	Category 2		3000
39905	39905	Category 2		1200
39419	39419	Category 3		300
39428	39428	Category 3		90
39437	39437	Category 3		100
39442	39442	Category 3		160
39447	39447	Category 3		25
39477	39477	Category 3		20
39490	39490	Category 3		50
39553	39553	Category 3		25
39813	39813	Category 3		750
39902	39902	Category 3		650
39902	39902	Category 3		15
39920	39920	Category 3		25
40044	40044	Category 3		250
40122	40122	Category 3		35
40140	40140	Category 3		250
40231	40231	Category 3		65
40231	40231	Category 3		160
40233	40233	Category 3		150
40429	40429	Category 3		95
40462	40462	Category 3		20
40476	40476	Category 3		270
40577	40577	Category 3		60
40588	40588	Category 3		20
40619	40619	Category 3		1
40619	40619	Category 3		4
40619	40619	Category 3		2
40619	40619	Category 3		1
40619	40619	Category 3		1
40619	40619	Category 3		1
40619	40619	Category 3		1
40619	40619	Category 3		2
40619	40619	Category 3		2
40619	40619	Category 3		1
40631	40631	Category 3		25
40631	40631	Category 3		20
40631	40631	Category 3		3
40631	40631	Category 3		5
40631	40631	Category 3		3
40631	40631	Category 3		3

SPILL VOL RECOVER	SPILL VOL REACH SURF	REACH_SURFACE	REACH STORM DRAINPIPE
0	15000	No	Yes
0	1200	No	Yes
0	12000	No	Yes
0	600	No	Yes
325	9675	Yes	Yes
0	1200	No	Yes
0	400	No	Yes
0	40	No	Yes
0	875	No	Yes
0	5	No	Yes
0	600	No	Yes
0	100	No	Yes
3000	0	No	No
1200	0	No	Yes
300		No	No
90		No	No
100		No	No
160		No	No
25		No	No
20		No	No
50		No	No
20	0	No	No
750	0	No	Yes
650	0	No	No
15	0	No	No
25	0	No	No
250	0	No	Yes
35	0	No	No
250	0	No	Yes
65	0	No	No
160	0	No	Yes
0	0	No	Yes
95	0	No	Yes
20	0	No	No
75	0	No	No
60	0	No	Yes
5	0	No	No
0	0	No	No
0	0	No	No
0	0	No	No
0	0	No	No
0	0	No	No
0	0	No	No
0	0	No	No
0	0	No	No
0	0	No	No
0	0	No	No
25	0	No	Yes
0	0	No	No
0	0	No	No
0	0	No	No
0	0	No	No
0	0	No	No

RETURN TO SSS	SPILL LOC NAME
No	Scenic @ Larkin
No	3300 Browns Valley Road
No	Brown & Yount
No	Larkin @ Scenic
No	Dezerai Ct
No	Jefferson @ Rubicon
No	Larkin @ Scenic
No	3513 Jefferson
No	1003 McCormick Lane
No	1582 East
No	Browns Valley @ Mc Cormick
No	753 Jefferson
Not Applicable - Spill did not reach storm drainpipe	1065 Terrace Dr Napa, CA 94559
Yes	3811 Oxford St
Not Applicable - Spill did not reach storm drainpipe	Foxboro Dr
Not Applicable - Spill did not reach storm drainpipe	2516 Rollingwood Dr
Not Applicable - Spill did not reach storm drainpipe	1206 Nielson Dr
Not Applicable - Spill did not reach storm drainpipe	515 Coombs St
Not Applicable - Spill did not reach storm drainpipe	22 Monez Blvd
Not Applicable - Spill did not reach storm drainpipe	1095 Terrace Dr
Not Applicable - Spill did not reach storm drainpipe	3036 Beard Rd
Not Applicable - Spill did not reach storm drainpipe	429 Montecito Blvd
Yes	Beecham St
Not Applicable - Spill did not reach storm drainpipe	Raymond @ Plaza
Not Applicable - Spill did not reach storm drainpipe	Minahen @ Locust
Not Applicable - Spill did not reach storm drainpipe	2185 W.Pueblo Ave
Yes	3552 Linda Vista
Not Applicable - Spill did not reach storm drainpipe	1902 Wise Dr
Yes	Harvard at Broadmoor
Not Applicable - Spill did not reach storm drainpipe	2006 Ida Street
Yes	Kent St @ Wimbledon
No	Round Hill Circle @ Round Hill Ct
Yes	1008 Partrick Rd
Not Applicable - Spill did not reach storm drainpipe	135 Lilienthal Ave
Not Applicable - Spill did not reach storm drainpipe	Wine Country Ave Easement
Yes	2531 Elm St
Not Applicable - Spill did not reach a separate storm drainpipe	2289 Alberta
Not Applicable - Spill did not reach a separate storm drainpipe	2063 Adrian St
Not Applicable - Spill did not reach a separate storm drainpipe	1529 First St
Not Applicable - Spill did not reach a separate storm drainpipe	654 Cunard
Not Applicable - Spill did not reach a separate storm drainpipe	2030 WEST LINCOLN AVE
Not Applicable - Spill did not reach a separate storm drainpipe	554 SEYMOUR ST
Not Applicable - Spill did not reach a separate storm drainpipe	2500 GINA DR
Not Applicable - Spill did not reach a separate storm drainpipe	4369 DALE DR
Not Applicable - Spill did not reach a separate storm drainpipe	214 S.Seymour
Not Applicable - Spill did not reach a separate storm drainpipe	1528 Pueblo
Not Applicable - Spill did not reach a separate storm drainpipe	2135 Ethel Porter
Yes	1422 Tallac
Not Applicable - Spill did not reach a separate storm drainpipe	1514 Clay
Not Applicable - Spill did not reach a separate storm drainpipe	52 Westwood
Not Applicable - Spill did not reach a separate storm drainpipe	2371 Edgewater
Not Applicable - Spill did not reach a separate storm drainpipe	2510 Redwood Rd
Not Applicable - Spill did not reach a separate storm drainpipe	1055 Hudson Lane

LATTITUDE DECIMAL DEGREES	LONGITUDE DECIMAL DEGREES	COUNTY	REGIONAL BOARD
38.305586	122.32505	Napa	2
38.305258	122.331189	Napa	2
38.303631	122.290431	Napa	2
38.309444	122.321389	Napa	2
38.30465	-122.33344	Napa	2
38.32426	-122.30118	Napa	2
38.30571	-122.32479	Napa	2
38.32477	-122.30201	Napa	2
38.30501	-122.33137	Napa	2
38.31036	-122.27388	Napa	2
38.30501	-122.33137	Napa	2
38.29563	-122.29389	Napa	2
38.293861	122.269483	Napa	2
38.325928	-122.3196	Napa	2
38.29455	122.270144	Napa	2
38.311256	122.322078	Napa	2
38.304508	122.270944	Napa	2
38.293872	122.284944	Napa	2
38.303983	122.266267	Napa	2
38.292489	122.269842	Napa	2
38.320525	122.293869	Napa	2
38.30085	122.266408	Napa	2
38.31818	-122.288535	Napa	2
38.302056	-122.274575	Napa	2
38.284494	-122.298475	Napa	2
38.312117	-122.315647	Napa	2
38.321733	-122.351667	Napa	2
38.33278	-122.31429	Napa	2
38.30944	-122.34424	Napa	2
38.31051	-122.286	Napa	2
38.28236	-122.3061	Napa	2
38.30268	-122.33696	Napa	2
38.3071	-122.34232	Napa	2
38.28879	-122.31181	Napa	2
38.33228	-122.33007	Napa	2
38.28966	-122.30274	Napa	2
38.31434	-122.31438	Napa	2
38.3084	-122.29219	Napa	2
38.29708	-122.28985	Napa	2
38.3162	-122.28352	Napa	2
38.30688	-122.30711	Napa	2
38.29371	-122.29783	Napa	2
38.32296	-122.32479	Napa	2
38.34075	-122.31856	Napa	2
38.28587	-122.2973	Napa	2
38.31524	-122.30136	Napa	2
38.31829	-122.31147	Napa	2
38.32808	-122.30583	Napa	2
38.2982	-122.29029	Napa	2
38.30069	-122.31311	Napa	2
38.31489	-122.28235	Napa	2
38.31899	-122.32348	Napa	2
38.30337	-122.31444	Napa	2

SPILL LOC DESC	SSO NUMBER APPEAR POINTS
From manhole near intersection	
Easement area in rear of named property. Street in front of address Manhole in street in front of address.	
Parking lot of Dentist office Rear yard of affected property off of sanitary sewer easement	
From manhole at intersection	
Cleanout for 2185 W.Pueblo Ave	
Manhole Out of manhole in open field at address	
District cleanout on lower lateral District cleanout for lower lateral	

APPEAR PT
Manhole
Manhole
Manhole
Manhole
Gravity sewer;Manhole
Gravity sewer;Other sewer system structure
Gravity sewer;Manhole
Gravity sewer
Gravity sewer;Other sewer system structure
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Other sewer system structure;Other (specify)
Manhole
Manhole
Manhole
Manhole
Manhole
Gravity sewer
Manhole
Building or structure
Other sewer system structure
Other sewer system structure
Manhole
Manhole
Manhole
Gravity sewer
Other sewer system structure
Gravity sewer
Gravity sewer;Manhole
Gravity sewer;Other sewer system structure
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer
Gravity sewer;Other sewer system structure
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer

APPEAR PT EXPLAIN

Five of the cleanouts on East side of street

Distrcit cleanout for lower lateral
District lateral cleanout

Appearance point was from water valve box in street

Main line flush hole

Clean out

Bathroom in basement garage
Cleanout
cleanout for noted address

Plugged main appeared out of cleanout for address
Clean out on private property which is lower than manhole elevations

District cleanout on lower lateral
District cleanout on lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District Cleanout for lower lateral
District cleanout for lower lateral
Sistrict cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral

FINAL SPILL DEST
Street/curb and gutter
Street/curb and gutter
Storm drain;Street/curb and gutter
Storm drain;Street/curb and gutter
Storm drain;Street/curb and gutter;Surface water
Separate storm drain;Street/curb and gutter
Separate storm drain
Separate storm drain
Separate storm drain
Separate storm drain
Separate storm drain;Street/curb and gutter
Separate storm drain;Street/curb and gutter
Other (specify below)
Storm drain;Street/curb and gutter
Other (specify below)
Other (specify below)
Street/curb and gutter;Other (specify below)
Street/curb and gutter;Other (specify below)
Street/curb and gutter;Other (specify below)
Building or structure
Other paved surface;Other (specify below)
Unpaved surface;Other (specify below)
Storm drain
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Storm drain
Street/curb and gutter
Street/curb and gutter
Street/curb and gutter
Storm drain;Street/curb and gutter
Storm drain
Street/curb and gutter
Street/curb and gutter
Unpaved surface
Separate storm drain;Street/curb and gutter
Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Separate storm drain;Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface

FINAL SPILL DEST EXPL

Lateral was plugged during rain event. District was not notified for over 2 hours and the sewage was washed away by the
Lateral cleanout on edge of storm drain, unable to capture flow from surcharging main

Returned to Sanitatry Sewer

Initially washed into storm drain. Cleaned storm drain and vacuumed and returned to sanitary sewer
Returned to Sanitary Sewer
Recovered and returned to sanitary sewer system
Returned to sanitary sewer
Overflow onto street, cleaned up and returned to sanitary sewer

returned spill to sanitary sewer
Ran onto ground. Was able to return most to sanitary sewer

Cleaned and vacuumed storm drain and curb and gutter and returned all sewage to sanitary sewer

START DT	AGENCY NOTIFY DT	OPRTOR ARRVL DT	EST END DT
39451.375	39451.375	39451.375	39451.66667
39451.54167	39451.54444	39451.54861	39451
39451.45833	39451.45833	39451.45833	39451.66667
39861.4375	39861.4375	39861.4375	39861.52083
40360.37639	40360.37847	40360.39236	40360.40625
40531.44444	40531.45	40531.45833	40531.52778
40540.95833	40540.96528	40540.96528	40541.00694
40620.47847	40620.57778	40620.58819	40620.59167
40626.54514	40626.54514	40626.54514	40626.57292
41245.32292	41245.34028	41245.34722	41245.36806
41266.51736	41266.52569	41266.54167	41266.65972
41266.5	41266.51597	41266.54167	41266.5625
39385.47917	39385.49306	39385.5	39385.53125
39905.27917	39905.27917	39905.29167	39905.32292
39411.75	39411.76042	39411.78125	39411.79167
39427.375	39427.38542	39427.39931	39427.40972
39436.45833	39436.46528	39436.46875	39436.47917
39438.60417	39438.61458	39438.64583	39438.65972
39446.5	39446.5	39446.50694	39446.61458
39470.36111	39470.36806	39470.375	39470.41667
39490.45833	39490.46875	39490.47917	39490.48611
39551.375	39551.59375	39551.62153	39551.66319
39812.57292	39812.57986	39812.58333	39812.59375
39893.78125	39893.78819	39893.80556	39893.83333
39894.5	39894.51042	39894.53125	39894.55556
39919.83333	39919.84444	39919.85417	39919.88542
40043.79167	40043.80278	40043.81944	40043.875
40088.81181	40088.81944	40088.83681	40088.91667
40140.41667	40140.42222	40140.42708	40140.45833
40181.63542	40181.64653	40181.66667	40181.70139
40196.45139	40196.45694	40196.46528	40196.47917
40233.39583	40233.40139	40233.41319	40233.42361
40423.70903	40423.71528	40423.72917	40423.74722
40460.43403	40460.4375	40460.45139	40460.46528
40474.54167	40474.54583	40474.5625	40474.60417
40563.46875	40563.475	40563.5	40563.51389
40584.45833	40585.63472	40585.65625	40585.59722
40578.33333	40578.34514	40578.35347	40578.36319
40589.5	40589.51389	40589.52083	40589.52778
40593.66667	40593.67778	40593.6875	40593.70833
40595.69792	40595.70833	40595.70833	40595.72917
40595.64514	40595.65972	40595.66667	40595.6875
40596.35417	40596.37153	40596.38194	40596.38542
40596.375	40596.38542	40596.42361	40596.43056
40596.60347	40596.61667	40596.62986	40596.6375
40596.31181	40596.31944	40596.34375	40596.35417
40601.64514	40601.6625	40601.67708	40601.68403
40606.41667	40606.41667	40606.42014	40606.44097
40615.47917	40615.5	40615.51042	40615.51736
40617.39583	40617.40139	40617.41042	40617.41319
40617.51736	40617.52778	40617.54514	40617.54861
40619.42708	40619.43542	40619.45139	40619.45347
40620.375	40620.38611	40620.39514	40620.39792

SPILL CAUSE
Rainfall exceeded design
Rainfall exceeded design
Flow exceeded capacity
Flow exceeded capacity
Debri-General
Grease deposition (FOG)
Rainfall exceeded design (Seperate CS Only)
Debri-General
Rainfall exceeded design (Separate CS Only)
Debri-General
Flow exceeded capacity (Separate CS Only)
Debri-General
Other (specify below)
Grease deposition (FOG)
Root intrusion
Grease deposition (FOG)
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Other (specify below)
Other (specify below)
Grease deposition (FOG)
Debri-General
Debri-General
Grease deposition (FOG)
Grease deposition (FOG)
Debri-General
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Grease deposition (FOG)
Root intrusion
Debri-General
Grease deposition (FOG)
Debri-General
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debri-Rags
Debri-Rags
Root intrusion
Grease deposition (FOG)
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion

SPILL CAUSE EXPLAIN

Paving Contractor raising manholes allowed debris to build up in sanitary sewer line

Unable to verify exact cause.
During heavy rain event sanitary system was surcharging and this line exceded it's capacity. Sewage came out of district

Inflatable plug stuck in line.

Heavy roots from joints in manhole.

Large rocks in sanitary sewer line
Unknow blockage

Old pnuematic plug and portion of CIPP lateral liner caught in main.

Roots growing into manhole at seams of structures

Root intrusion at joint of cleanout

Gas line crossbore through spring line of lateral

WHERE FAILURE OCCUR	WHERE FAIL OCCUR EXP
Main	
Main	
Main	
Lower Lateral	
Main	
Main	
Main	
Main	
Main	
Main	
Main	
Main	
Main	Sag in main that caused grease build up
Main	
Main	
Main	
Main	
Main	
Main	
Main	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	

SSO Storm Associated	DIAMETER OF SEWER	MATERIAL SEWER_PIPE	AGE_SEWER_PIPE
	8	ACP	45
	10	ACP	
	20	ACP	40
	8	ACP	40
	8	acp	
	10	ACP	50
	6	ACP	50
	4	ACP	50
	8	ACP	50
	6	ACP	55
	10	ACP	45
	8	Clay	90
	8	ACP	
	6	ACP	
	6	ACP	
	8	VCP	
	8	VCP	
	8	VCP	
	6	VCP	
	6	ACP	60
	8	ACP	
	8	CIPP	
	10	VCP	
	7	HDPE	
	6	ACP	40
	6	ACP	50
	8	ACP	50
	6	VCP	
	7	PES	
	10	ACP	
	8	PVC	25
	8	PVC	20
	4	ACP	50
	3	HDPE	25
	4	Clay	
	4	ACP	60
	4	ACP	50
	4	Varied	
	4	Clay	
	4	ACP	50
	4	ACP	50
	4	CIP	
	4	ACP	50
	3	Plastic	30
	4	ACP	50
	4	ACP	50
	4	VCP	30
	4	ACP	4
	4	ACP	50
	4	ACP	50

RESPONSE ACTIVITIES
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill)
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Other (specify below)
Inspected sewer using CCTV to determine cause;Restored flow
Other (specify below)
Contained all or portion of spill;Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Restored flow;Returned all or portion of spill to sanit
Inspected sewer using CCTV to determine cause;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R

RESPONSE ACTIVITIES EXPL

Per Regional Board's request, NSD vaccuumed 9,600 gallons of water out of Browns Valley Creek approximately 600 fee
Cleaned up area and made sure collections system could handle flow
Pump excess water to downstream manhole with more capacity
By the time District was notified of spill rain had washed away the raw sewage.
Used combination truck to vacuum what we could and transport to section of system that was not surcharging. After ever
Unable to recover spill due to rain and proximity to storm drain

Cleaned spill , and storm drain, vacuumed all wastewater and wash water and returned to sanitary sewer system
Washed down area and vacuumed all sso and wash down water and returned to sanitary sewer

Restored flow, washed down area and vacuumed and returned all SSO water and wash down water to sanitary sewer sys

Approx 10 gallons reached storm drain, NSD cleaned and vacuumed entire run of storm drain as well as flushing and vac

Washed overflowed sewage back into cleanout after blockage was cleared

RESPONSE COMPLETE DT
39451.47917
39452.375
39452.41667
39861.60417
40360.80208
40531.75
40541
40620.60417
40626.60417
41245.40972
41266.68056
41266.58333
39385.68056
39905.41319
40233.45486

RESPNS_CORCT_ACTN_TAKEN
Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source;Plan rehabilitation or repl
Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer
Adjusted schedule/method of preventive maintenance;Plan rehabilitation or replacement of sewer
Adjusted schedule/method of preventive maintenance;Enforcement action against FOG source;Plan rehabilitation or repl
Other (specify below)
Adjusted schedule/method of preventive maintenance
Plan rehabilitation or replacement of sewer
Added sewer to preventive maintenance program
Other (specify below)
Adjusted schedule/method of preventive maintenance
Plan rehabilitation or replacement of sewer
Plan rehabilitation or replacement of sewer
Adjusted schedule/method of preventive maintenance;Other (specify below)
Adjusted schedule/method of preventive maintenance

Adjusted schedule/method of preventive maintenance

SSO CRCTIVE ACTION TAKEN EXPL

cleaned, flushed and vacuumed storm drains, flushed and vacuumed streets, curb and gutters, cleaned, flushed and vacu

Adding area to intense watch for storm events to set by pass operations before SSO occurs in future.

Removed blockage, CCTV affected sewer line.

ONGOING INVESTIGATE	REASON INVESTIGATE	VISUAL INSPCT RESULT
Yes		
Yes		
Yes		
No		
No		
Yes		
No		
No		
No		
No		
No		
Yes		
Yes		
No		
No		

HEALTH WARNING POST	SSO IF IMPACT BEACH	BEACH IMPACT	SURFACE WATER IMPACT
No		NA	NA
No		NA	NA
No		NA	NA
No		NA	NA
Yes		NA	Browns Valley Creek
No			
No			
No			Napa River
No			Browns Valley Creek
No		None	Napa River
No			Browns Valley Creek
No			Napa River
No		NA	NA
No		NA	NA
No		NA	NA
			None
			na
			None
			None
			None
			None
			None
			None
			None

SAMPLE ANALYZE FOR
No water quality samples taken
No water quality samples taken;Not applicable to this spill
No water quality samples taken
No water quality samples taken;Not applicable to this spill
Dissolved oxygen;Other chemical indicator(s) - specify below;Biological indicator(s) - specify below
No water quality samples taken
No water quality samples taken
No water quality samples taken;Not applicable to this spill
No water quality samples taken
No water quality samples taken;Not applicable to this spill
No water quality samples taken
No water quality samples taken
No water quality samples taken
No water quality samples taken

No water quality samples taken;Not applicable to this spill

SMPLS_ANALYZE_FOR_EXPL	SAMPLE REPORTED TO
	No water quality samples taken
	No water quality samples taken;Not applicable to this spill
	No water quality samples taken
	None of the above
Ammonia, Enterococcus	County Health Agency
	None of the above
	No water quality samples taken
	No water quality samples taken;Not applicable to this spill
	No water quality samples taken
	No water quality samples taken;Not applicable to this spill
	No water quality samples taken
	No water quality samples taken
	None of the above
	No water quality samples taken
	None of the above

SMPLS REPORT TO EXPL	SSO VOLUME METHOD	OES CONTROL NUMBER	OES CONTROL DT
		80458	39462.64583
		80459	39462.64583
		80460	39462.64583
		91415	39862.64444
		103994	40360.4375
		107631	40531.55208
		107938	40541.02778
		111636	40620.65208
		111868	40626.62014
		127302	41245.43056
		127849	41266.68611
		127848	41266.68056
		76684	39385.70139
		92694	39905.02083
		101373	40233.42708

SSO OPERATOR NAME SSO OPERATOR PHONE

2SSO10159	Active	764902	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	764904	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764905	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764906	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764907	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	764908	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	765044	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	765121	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	765842	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	765844	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	765943	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	766537	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	766542	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	766951	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	766952	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	767120	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	767121	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	767516	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	767517	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	767519	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	768148	Greg Dawson	Certified	Collections System Technicnian
2SSO10159	Active	768149	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	770669	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	770757	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	770758	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	770761	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	770786	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	770788	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	770805	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	770808	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772080	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772081	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772082	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772087	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772089	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772092	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772094	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772095	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772098	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772099	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772101	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772103	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772104	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772487	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772488	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	772489	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773160	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773162	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773163	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773164	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773393	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773394	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773396	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773397	Greg Dawson	Certified	Collections System Technician

935 Hartle Ct	693841	40631	40631
935 Hartle Ct	839593	40631	40631
935 Hartle Ct	872576	40631	40631
935 Hartle Ct	565682	40631	40631
935 Hartle Ct	867626	40631	40631
935 Hartle Ct	826161	40631	40631
935 Hartle Ct	392123	40637	40637
935 Hartle Ct	847915	40638	40638
935 Hartle Ct	669259	40660	40660
935 Hartle Ct	501718	40660	40660
935 Hartle Ct	614881	40662	40662
935 Hart;e Ct	613470	40679	40679
935 Hartle Ct	756248	40679	40679
935 Hartle Ct	563603	40690	40690
935 Hartle Ct	603107	40690	40690
935 Hartle Ct	516189	40696	40696
935 Hartle Ct	153368	40696	40696
935 Hartle Ct	423311	40709	40709
935 Hartle Ct	339438	40709	40709
935 Hartle Ct	288990	40709	40709
935 Hartle Ct	648823	40729	40729
935 Hartle Ct	386949	40729	40729
935 Hartle Ct	548258	40788	40788
935 Hartle Ct	511104	40793	40793
935 Hartle Ct	208048	40793	40793
935 Hartle Ct	947158	40793	40793
935 Hartle Ct	287702	40793	40793
935 Hartle Ct	736586	40793	40793
935 Hartle Ct	629438	40793	40793
935 Hartle Ct	507878	40793	40793
935 Hartle Ct	399581	40833	40833
935 Hartle Ct	584756	40833	40833
935 Hartle Ctd	559242	40833	40833
935 Hartle Ct	638000	40833	40833
935 Hartle Ct	593333	40833	40833
935 Hartle Ct	627425	40833	40833
935 Hartle Ct	956517	40833	40833
935 Hartle Ct	185550	40833	40833
935 Hartle Ct	158713	40833	40833
935 Hartle Ct	819450	40833	40833
935 Hartle Ct	189658	40833	40833
935 Hartle Ct	589591	40833	40833
935 Hartle Ct	442696	40833	40833
935 Hartle Ct	750471	40844	40844
935 Hartle Ct	258531	40844	40844
935 Hartle Ct	122183	40844	40844
935 Hartle Ct	315364	40863	40863
935 Hartle Ct	847246	40863	40863
935 Hartle Ct	429503	40863	40863
935 Hartle Ct	345786	40863	40863
935 Hartle Ct	426701	40869	40869
935 Hartle Ct	561868	40869	40869
935 Hartle Ct	334230	40869	40869
935 Hartle Ct	825118	40869	40869

40631	40631	Category 3	3
40631	40631	Category 3	3
40631	40631	Category 3	10
40631	40631	Category 3	3
40631	40631	Category 3	1
40631	40631	Category 3	200
40637	40637	Category 3	20
40638	40638	Category 3	2
40660	40660	Category 3	4
40660	40660	Category 3	2
40662	40662	Category 3	40
40679	40679	Category 3	5
40679	40679	Category 3	5
40690	40690	Category 3	2
40690	40690	Category 3	5
40696	40696	Category 3	75
40696	40696	Category 3	8
40709	40709	Category 3	100
40709	40709	Category 3	25
40709	40709	Category 3	2
40729	40729	Category 3	10
40729	40729	Category 3	1
40788	40981	Category 3	200
40793	40793	Category 3	5
40793	40793	Category 3	1
40793	40793	Category 3	1
40793	40793	Category 3	1
40793	40793	Category 3	2
40793	40793	Category 3	2
40793	40793	Category 3	2
40833	40833	Category 3	2
40833	40833	Category 3	1
40833	40833	Category 3	1
40833	40833	Category 3	5
40833	40833	Category 3	15
40833	40833	Category 3	50
40833	40833	Category 3	5
40833	40833	Category 3	10
40833	40833	Category 3	1
40833	40833	Category 3	1
40833	40833	Category 3	2
40833	40833	Category 3	1
40833	40833	Category 3	5
40844	40844	Category 3	1
40844	40844	Category 3	1
40844	40844	Category 3	20
40863	40863	Category 3	3
40863	40863	Category 3	5
40863	40863	Category 3	1
40863	40863	Category 3	1
40869	40869	Category 3	1
40869	40869	Category 3	1
40869	40869	Category 3	2
40869	40869	Category 3	1

0	0 No	No
0	0 No	No
0	0 No	No
0	0 No	No
0	0 No	No
200	0 No	No
20	0 No	Yes
2	0 No	No
0	0 No	No
0	0 No	No
40	0 No	No
5	0 No	No
0	0 No	No
0	0 No	No
0	0 No	No
75	0 No	No
5	0 No	No
95	0 No	No
5	0 No	No
0	0 No	No
10	0 No	No
1	0 No	No
50	0 No	Yes
0	0 No	No
0	0 No	No
0	0 No	No
0	0 No	No
0	0 No	No
0	0 No	No
0	0 No	No
0	0 No	No
0	0 No	No
0	0 No	No
0	0 No	No
15	0 No	No
50	0 No	No
5	0 No	No
10	0 No	No
1	0 No	No
1	0 No	No
2	0 No	No
1	0 No	No
5	0 No	No
1	0 No	No
1	0 No	No
20	0 No	No
3	0 No	No
5	0 No	No
1	0 No	No
1	0 No	No
1	0 No	No
1	0 No	No
2	0 No	No
1	0 No	No

Not Applicable - Spill did not reach a separate storm drainpipe	1301 Shetler
Not Applicable - Spill did not reach a separate storm drainpipe	1488 Tallac St
Not Applicable - Spill did not reach a separate storm drainpipe	356 Brown St
Not Applicable - Spill did not reach a separate storm drainpipe	318 Minahen
Not Applicable - Spill did not reach a separate storm drainpipe	1024 Wyatt
Not Applicable - Spill did not reach a separate storm drainpipe	2091 Morlan & West Pueblo
Yes	1037 Silverado Trail @ Second St
Not Applicable - Spill did not reach a separate storm drainpipe	2040 Brownj St
Not Applicable - Spill did not reach a separate storm drainpipe	1840 Adrian St
Not Applicable - Spill did not reach a separate storm drainpipe	Kolbe Academy
Not Applicable - Spill did not reach a separate storm drainpipe	3588 Jefferson
Not Applicable - Spill did not reach a separate storm drainpipe	627 Casswall
Not Applicable - Spill did not reach a separate storm drainpipe	3505 Jefferson
Not Applicable - Spill did not reach a separate storm drainpipe	2510 Redwood Rd
Not Applicable - Spill did not reach a separate storm drainpipe	2509 Old Sonoma Rd
Not Applicable - Spill did not reach a separate storm drainpipe	2819 Elm St
Not Applicable - Spill did not reach a separate storm drainpipe	590 East Spring St
Not Applicable - Spill did not reach a separate storm drainpipe	1130 Pine
Not Applicable - Spill did not reach a separate storm drainpipe	811 Jefferson St
Not Applicable - Spill did not reach a separate storm drainpipe	554 Seymour
Not Applicable - Spill did not reach a separate storm drainpipe	2636 West Pueblo
Not Applicable - Spill did not reach a separate storm drainpipe	3346 Twin Oaks
No	Meritage
Not Applicable - Spill did not reach a separate storm drainpipe	3548 Meadowbrook
Not Applicable - Spill did not reach a separate storm drainpipe	1831 Myrtle
Not Applicable - Spill did not reach a separate storm drainpipe	3261 Beard
Not Applicable - Spill did not reach a separate storm drainpipe	20 Bonita
Not Applicable - Spill did not reach a separate storm drainpipe	2032 W.Pueblo
Not Applicable - Spill did not reach a separate storm drainpipe	41 Julian Ave
Not Applicable - Spill did not reach a separate storm drainpipe	1232 Seminary St
Not Applicable - Spill did not reach a separate storm drainpipe	2510 Redwood Rd
Not Applicable - Spill did not reach a separate storm drainpipe	3346 Twin Oaks Dr
Not Applicable - Spill did not reach a separate storm drainpipe	350 Aguirre Way
Not Applicable - Spill did not reach a separate storm drainpipe	3740 Hamilton
Not Applicable - Spill did not reach a separate storm drainpipe	1402 Sumner
Not Applicable - Spill did not reach a separate storm drainpipe	804 Napa St, Miracle Auto Body
Not Applicable - Spill did not reach a separate storm drainpipe	3326 Twin Oaks
Not Applicable - Spill did not reach a separate storm drainpipe	1017 Alabama St
Not Applicable - Spill did not reach a separate storm drainpipe	2218 Sandra Dr
Not Applicable - Spill did not reach a separate storm drainpipe	1424 Sheridan Ave
Not Applicable - Spill did not reach a separate storm drainpipe	1610 G St
Not Applicable - Spill did not reach a separate storm drainpipe	1055 Hudson Lane
Not Applicable - Spill did not reach a separate storm drainpipe	2521 Dorset St
Not Applicable - Spill did not reach a separate storm drainpipe	1423 Rubicon
Not Applicable - Spill did not reach a separate storm drainpipe	2147 Patton
Not Applicable - Spill did not reach a separate storm drainpipe	1613 G St
Not Applicable - Spill did not reach a separate storm drainpipe	654 Cunard
Not Applicable - Spill did not reach a separate storm drainpipe	3783 Young Ave
Not Applicable - Spill did not reach a separate storm drainpipe	2010 Lone Oak Ave
Not Applicable - Spill did not reach a separate storm drainpipe	2121 Sommer St
Not Applicable - Spill did not reach a separate storm drainpipe	3959 lap t
Not Applicable - Spill did not reach a separate storm drainpipe	2020 Brown
Not Applicable - Spill did not reach a separate storm drainpipe	520 Roosevelt St
Not Applicable - Spill did not reach a separate storm drainpipe	2500 MacGregor Ct

38.28248	-122.26123	Napa	2
38.32797	-122.30644	Napa	2
38.29096	-122.28406	Napa	2
38.28579	-122.29905	Napa	2
38.29177	-122.26802	Napa	2
38.31155	-122.31177	Napa	2
38.3016	-122.27659	Napa	2
38.30752	-122.29313	Napa	2
38.3059	-122.28947	Napa	2
38.30518	-122.29782	Napa	2
38.32683	-122.30284	Napa	2
38.28281	-122.31046	Napa	2
38.32449	-122.30179	Napa	2
38.31899	-122.32348	Napa	2
38.28773	-122.30518	Napa	2
38.28968	-122.30879	Napa	2
38.30531	-122.26582	Napa	2
38.29057	-122.28539	Napa	2
38.296	-122.2938	Napa	2
38.29371	-122.29783	Napa	2
38.31671	-122.32576	Napa	2
38.3004	-122.33671	Napa	2
38.24667	-122.27352	Napa	2
38.30436	-122.34441	Napa	2
38.31288	-122.30591	Napa	2
38.32231	-122.29589	Napa	2
38.30126	-122.27133	Napa	2
38.31403	-122.30897	Napa	2
38.30061	-122.27156	Napa	2
38.29928	-122.2905	Napa	2
38.31899	-122.32348	Napa	2
38.29916	-122.33655	Napa	2
38.29614	-122.27148	Napa	2
38.33007	-122.30704	Napa	2
38.32016	-122.30039	Napa	2
38.30411	-122.28568	Napa	2
38.29916	-122.33655	Napa	2
38.31135	-122.27507	Napa	2
38.3171	-122.3138	Napa	2
38.31924	-122.30097	Napa	2
38.30591	-122.2984	Napa	2
38.30337	-122.31444	Napa	2
38.28285	-122.30429	Napa	2
38.32366	-122.303	Napa	2
38.28318	-122.25716	Napa	2
38.30536	-122.2987	Napa	2
38.3162	-122.28352	Napa	2
38.32261	-122.32456	Napa	2
38.30872	-122.30602	Napa	2
38.28193	-122.26083	Napa	2
38.32651	-122.32351	Napa	2
38.30725	-122.29292	Napa	2
38.29349	-122.30808	Napa	2
38.31759	-122.32257	Napa	2

West Pueblo area

NSD cleanout for lower lateral

Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer;Manhole
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
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Gravity sewer;Manhole
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Gravity sewer
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Gravity sewer
Building or structure
Gravity sewer
Gravity sewer
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Gravity sewer
Gravity sewer

District cleanout for lower lateral

District Cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral

District cleanout for lower lateral
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District Cleanout for lower lateral
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District cleanout for lower lateral

NSD cleanout for lower lateral

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Clean out for district lower lateral
District Cleanout for lower lateral
District cleanout for lower lateral
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District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
Bathroom of house

District cleanout for lower lateral
District cleanout for lower lateral
District cleanou for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral

Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Street/curb and gutter
Separate storm drain;Street/curb and gutter;Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Other paved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Street/curb and gutter;Unpaved surface
Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Separate storm drain;Surface water
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Street/curb and gutter
Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Building or structure
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface

From cleanout to storm drain basin

In crawl space under house from broken plumbing under house.

40622.54167	40622.54375	40622.5625	40622.56597
40622.54167	40622.55903	40622.58403	40622.58681
40622.55903	40622.57847	40622.62292	40622.625
40623.64583	40623.66181	40623.67361	40623.68056
40624.375	40624.38889	40624.39931	40624.40972
40628.73958	40628.74583	40628.75764	40628.78611
40634.60417	40634.61806	40634.62847	40634.63333
40637.5625	40637.57292	40637.57986	40637.58333
40652.4375	40652.45278	40652.45833	40652.46181
40652.55556	40652.57431	40652.59028	40652.60417
40661.41667	40661.43958	40661.44792	40661.45833
40640.33333	40640.34167	40640.36111	40640.375
40640.56181	40640.58194	40640.59722	40640.60069
40688.54167	40688.56944	40688.58333	40688.58681
40689.375	40689.42361	40689.43403	40689.44444
40689.29167	40689.60764	40689.61458	40689.625
40695.375	40695.38472	40695.39028	40695.40625
40697.33333	40697.40903	40697.42153	40697.42708
40702.58333	40703.00347	40703.01389	40703.02014
40708.3125	40708.35764	40708.375	40708.38542
40711.66667	40711.68264	40711.69097	40711.69792
40713.47917	40713.49306	40713.50347	40713.51389
40788.38194	40788.40278	40788.40972	40788.39236
40767.5625	40767.58333	40767.59028	40767.59028
40768.54167	40768.56875	40768.575	40768.58333
40770.45139	40770.45972	40770.47222	40770.47917
40773.33333	40773.34375	40773.35417	40773.36458
40777.40625	40777.4125	40777.4375	40777.44097
40786.58333	40786.59097	40786.62847	40786.63542
40792.45833	40792.46875	40792.48611	40792.48958
40799.48958	40799.50069	40799.51389	40799.51736
40801.29167	40801.3125	40801.35417	40801.36458
40801.54167	40801.56458	40801.57639	40801.58333
40802.5	40802.51042	40802.51736	40802.52431
40808.64514	40808.66389	40808.67361	40808.67708
40815.375	40815.41042	40815.42847	40815.43403
40815.3125	40815.32778	40815.35347	40815.35347
40816.5	40816.51042	40816.51736	40816.51736
40819.35347	40819.375	40819.39236	40819.39236
40819.39514	40819.41458	40819.45139	40819.45139
40824.43681	40824.45	40824.45833	40824.45833
40825.72847	40825.74306	40825.75	40825.77083
40827.58333	40827.59583	40827.60347	40827.60347
40833.45833	40833.475	40833.48194	40833.48194
40836.54167	40836.56597	40836.57639	40836.57639
40838.75	40838.76042	40838.78125	40838.78472
40857.63889	40857.65278	40857.65972	40857.66319
40859.47917	40859.49167	40859.51736	40859.54167
40861.5	40861.51458	40861.52083	40861.53125
40861.58333	40861.58542	40861.61806	40861.625
40863.375	40863.38264	40863.39583	40863.40625
40864.44097	40864.45069	40864.5	40864.51042
40864.45833	40864.47847	40864.48611	40864.5
40864.625	40864.64583	40864.64931	40864.66319

Root intrusion
Root intrusion
Root intrusion
Debri-General
Debri-General
Flow exceeded capacity (Separate CS Only)
Root intrusion
Root intrusion
Root intrusion
Debri-Rags
Root intrusion
Root intrusion
Debri-General
Debri-General
Debri-General
Root intrusion
Root intrusion
Debri-Rags
Debri-General
Root intrusion
Root intrusion
Root intrusion
Other (specify below)
Debri-General
Debri-General
Root intrusion
Root intrusion
Grease deposition (FOG)
Debri-General
Root intrusion
Grease deposition (FOG)
Root intrusion
Debri-General
Root intrusion
Debri-Rags
Root intrusion
Root intrusion
Root intrusion
Grease deposition (FOG)
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Root intrusion
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Root intrusion
Debri-Rags
Root intrusion
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Root intrusion
Root intrusion

Plumbers pnuematic plug loose in system

Lower Lateral
Lower Lateral
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Main
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4	ACP	50
4	ACP	50
4	Clay	80
4	Plastic	10
4	ACP	45
4		
4	Clay	
4	ACP	
4	ACP	
4	ACP	
4	ACP	60
4	acp	50
4	ACP	
4	acp	
4	ACP	
4	Clay	
4	Clay	
4	ACP	
4	ACP	
8	Plastic	25
4	ACP	
4	Clay	
4		
4		
4		
4		
4	Clay	
4	ACP	50
4	ACP	40
4	Clay	
4	ACP	50
4	ACP	50
4		
4	ACP	
4		
3	HDPE	30
4	ACP	50
4	Clay	
4	ACP	50
3	HDPE	30
4	ACP	45
4	ACP	50
4	Clay	
4	ACP	40
4	ACP	40
4		
4	ACP	40
4	ACP	40
4	ACP	50
4	Clay	
4	ACP	45

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Returned all or portion of spill to sanitary sewer syst
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
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Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow;Returned all or por
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
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Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
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Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
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Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R

Vacuumed from manhole and transported to other basins to stabilize flow
District crews washed down area after restoring flow, and then cleaned and vacuumed storm drains and returned all sewa

Used combo truck to vacuum all liquid from under house, returned and flushed back into sanitary sewer. Hired contractor

40788.60069

Other (specify below)

Monotor contractors for debris

Yes

	None
	None
	None
	None
	None
	None
	none
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
No	Napa River
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None
	None

Dissolved oxygen;Other chemical indicator(s) - specify below;Biological indicator(s) - specify below

Ammonia, Enterococcus, Temprature and ph. County Health Agency

115233 40788.51736

2SSO10159	Active	773398	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773399	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773738	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773740	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773741	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773742	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773744	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773745	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773901	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	773902	Greg Dawson	Certified	Collectons System Technician
2SSO10159	Active	773943	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	774430	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	774431	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	774433	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	774770	Greg Dawson	Certified	Collections System Techician
2SSO10159	Active	774771	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	774772	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	775206	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	775209	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	775330	Greg Dawson	Certified	Collecitons System Technician
2SSO10159	Active	775387	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	775580	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	775581	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	775923	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	776632	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	776633	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	776636	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	776638	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	776919	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	777480	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	777482	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	778205	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	778206	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	778207	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	778208	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	778209	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	778211	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	779229	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	779231	Greg Dawson	Certified	Collections System Technician
2SSO10159	Active	779232	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	779233	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	779235	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	779236	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	779237	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	779238	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	779239	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	779240	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	779241	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	779244	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	780693	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	780695	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	780696	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	780697	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	780698	Greg Dawson	Certified	Collection Systems Technician

935 Hartle Ct	378585	40869	40869
935 Hartle Ct	103237	40869	40869
935 Hartle Ct	698635	40882	40882
935 Hartle Ct	568772	40882	40882
935 Hartle Ct	328811	40882	40882
935 Hartle Ct	826126	40882	40882
935 Hartle Ct	229044	40882	40882
935 Hartle Ct	499104	40882	40882
935 Hartle Ct	524203	40886	40886
935 Hartle Ct	829994	40886	40886
935 Hartle Ct	507350	40889	40889
935 Hartle Ct	734480	40897	40897
935 Hartle Ct	302634	40897	40897
935 Hartle Ct	215629	40897	40897
935 Hartle Ct	225424	40904	40904
935 Hartle Ct	771480	40904	40904
935 Hartle Ct	304529	40904	40904
935 Hartle Ct	574051	40911	40911
935 Hartle Ct	715897	40911	40911
935 Hartle Ct	759049	40912	40912
935 Hartle Ct	960461	40913	40913
935 Hartle Ct	453747	40917	40917
935 Hartle Ct	694393	40917	40917
935 Hartle Ct	831123	40925	40925
935 Hartle Ct	858804	40939	40939
935 Hartle Ct	437962	40939	40939
935 Hartle Ct	831427	40939	40939
935 Hartle Ct	860424	40939	40939
935 Hartle Ct	350699	40946	40946
935 Hartle Ct	614276	40954	40954
935 Hartle Ct	980523	40954	40954
935 Hartle Ct	239358	40969	40969
935 Hartle Ct	496273	40969	40969
935 Hartle Ct	799102	40969	40969
935 Hartle Ct	824002	40969	40969
935 Hartle Ct	362258	40969	40969
935 Hartle Ct	466151	40969	40969
935 Hartle Ct	453762	40997	40997
935 Hartle Ct	223122	40997	40997
935 Hartle Ct	557461	40997	40997
935 Hartle Ct	554651	40997	40997
935 Hartle Ct	860032	40997	40997
935 Hartle Ct	637357	40997	40997
935 Hartle Ct	100793	40997	40997
935 Hartle Ct	179113	40997	40997
935 Hartle Ct	160731	40997	40997
935 Hartle Ct	860908	40997	40997
935 Hartle Ct	888713	40997	40997
935 Hartle Ct	717516	40997	40997
935 Hartle Ct	985311	41025	41025
935 Hartle Ct	932848	41025	41025
District cleanout for lower lateral	195717	41025	41025
935 Hartle Ct	663029	41025	41025
935 Hartle Ct	527162	41025	41025

40869	40869	Category 3	1
40869	40869	Category 3	5
40882	40882	Category 3	5
40882	40882	Category 3	1
40882	40882	Category 3	1
40882	40882	Category 3	1
40882	40882	Category 3	1
40882	40882	Category 3	6
40886	40886	Category 3	5
40886	40886	Category 3	50
40889	40889	Category 3	4
40897	40897	Category 3	5
40897	40897	Category 3	5
40897	40897	Category 3	3
40904	40904	Category 3	3
40904	40904	Category 3	5
40904	40904	Category 3	3
40911	40911	Category 3	1
40911	40911	Category 3	1
40912	40912	Category 3	5
40913	40913	Category 3	30
40917	40917	Category 3	3
40917	40917	Category 3	1
40925	40925	Category 3	1
40939	40939	Category 3	1
40939	40939	Category 3	1
40939	40939	Category 3	2
40939	40939	Category 3	3
40946	40946	Category 3	2
40954	40954	Category 3	1
40954	40954	Category 3	2
40969	40969	Category 3	8
40969	40969	Category 3	2
40969	40969	Category 3	1
40969	40969	Category 3	1
40969	40969	Category 3	1
40969	40969	Category 3	1
40997	40997	Category 3	3
40997	40997	Category 3	1
40997	40997	Category 3	15
40997	40997	Category 3	3
40997	40997	Category 3	5
40997	40997	Category 3	15
40997	40997	Category 3	50
40997	40997	Category 3	600
40997	40997	Category 3	10
40997	40997	Category 3	3
40997	40997	Category 3	2
40997	40997	Category 3	1
41025	41025	Category 3	1
41025	41025	Category 3	2
41025	41025	Category 3	1
41025	41025	Category 3	1
41025	41025	Category 3	20

1	0	No	No
5	0	No	No
5	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
6	0	No	No
5	0	No	No
50	0	No	No
4	0	No	No
5	0	No	No
5	0	No	No
3	0	No	No
3	0	No	No
5	0	No	No
3	0	No	No
1	0	No	No
1	0	No	No
5	0	No	No
30	0	No	No
3	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
2	0	No	No
3	0	No	No
0	0	No	No
1	0	No	No
2	0	No	No
8	0	No	No
2	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
0	0	No	No
1	0	No	No
15	0	No	No
0	0	No	No
5	0	No	No
15	0	No	No
50	0	No	Yes
0	0	No	No
10	0	No	No
0	0	No	No
2	0	No	No
1	0	No	No
1	0	No	No
2	0	No	No
1	0	No	No
1	0	No	No
20	0	No	No

Not Applicable - Spill did not reach a separate storm drainpipe	216 Coombs St
Not Applicable - Spill did not reach a separate storm drainpipe	36 Harvard Lane
Not Applicable - Spill did not reach a separate storm drainpipe	3261 Beard
Not Applicable - Spill did not reach a separate storm drainpipe	1088 Shetler Ave
Not Applicable - Spill did not reach a separate storm drainpipe	547 E.Spring St
Not Applicable - Spill did not reach a separate storm drainpipe	21 Casassa Ct
Not Applicable - Spill did not reach a separate storm drainpipe	3845 Hamilton St
Not Applicable - Spill did not reach a separate storm drainpipe	3700 Lassen St
Not Applicable - Spill did not reach a separate storm drainpipe	1105 Hemlock
Not Applicable - Spill did not reach a separate storm drainpipe	1819 Tanen St
Not Applicable - Spill did not reach a separate storm drainpipe	1805 Central Ave
Not Applicable - Spill did not reach a separate storm drainpipe	4406 Summerfield
Not Applicable - Spill did not reach a separate storm drainpipe	Cinedome
Not Applicable - Spill did not reach a separate storm drainpipe	2131 Stockton
Not Applicable - Spill did not reach a separate storm drainpipe	4454 Finch
Not Applicable - Spill did not reach a separate storm drainpipe	1512 Trower
Not Applicable - Spill did not reach a separate storm drainpipe	1626 Verna
Not Applicable - Spill did not reach a separate storm drainpipe	1090 Shetler
Not Applicable - Spill did not reach a separate storm drainpipe	2720 Azalea
Not Applicable - Spill did not reach a separate storm drainpipe	2210 Berks St
Not Applicable - Spill did not reach a separate storm drainpipe	1130 Pine St
Not Applicable - Spill did not reach a separate storm drainpipe	2850 Cypress
Not Applicable - Spill did not reach a separate storm drainpipe	4172 Tokay Dr
Not Applicable - Spill did not reach a separate storm drainpipe	1666 G St
Not Applicable - Spill did not reach a separate storm drainpipe	139 Franklin
Not Applicable - Spill did not reach a separate storm drainpipe	36 Archer Ave
Not Applicable - Spill did not reach a separate storm drainpipe	605 Montgomery
Not Applicable - Spill did not reach a separate storm drainpipe	1751 Laurel St
Not Applicable - Spill did not reach a separate storm drainpipe	1624 Spruce
Not Applicable - Spill did not reach a separate storm drainpipe	318 minahen
Not Applicable - Spill did not reach a separate storm drainpipe	39 Bancal Ct
Not Applicable - Spill did not reach a separate storm drainpipe	Thomas @ Delpha
Not Applicable - Spill did not reach a separate storm drainpipe	1041 Central
Not Applicable - Spill did not reach a separate storm drainpipe	1528 Pueblo
Not Applicable - Spill did not reach a separate storm drainpipe	2163 W.Park
Not Applicable - Spill did not reach a separate storm drainpipe	2032 W.Pueblo
Not Applicable - Spill did not reach a separate storm drainpipe	1731 Sycamore
Not Applicable - Spill did not reach a separate storm drainpipe	43 Julian
Not Applicable - Spill did not reach a separate storm drainpipe	431 E.Berna
Not Applicable - Spill did not reach a separate storm drainpipe	1234 Third St
Not Applicable - Spill did not reach a separate storm drainpipe	1428 Brown
Not Applicable - Spill did not reach a separate storm drainpipe	3310 Browns Valley Rd
Not Applicable - Spill did not reach a separate storm drainpipe	2402 Colina Ct
Yes	Black Bear Soscol
Not Applicable - Spill did not reach a separate storm drainpipe	673 Montecito
Not Applicable - Spill did not reach a separate storm drainpipe	3739 Willis
Not Applicable - Spill did not reach a separate storm drainpipe	118 First St
Not Applicable - Spill did not reach a separate storm drainpipe	3368 Twin Oaks
Not Applicable - Spill did not reach a separate storm drainpipe	1134 Shetler
Not Applicable - Spill did not reach a separate storm drainpipe	1757 Tanen
Not Applicable - Spill did not reach a separate storm drainpipe	2780 Massa
Not Applicable - Spill did not reach a separate storm drainpipe	2182 S.Terrace
Not Applicable - Spill did not reach a separate storm drainpipe	229 S.Hartson
Not Applicable - Spill did not reach a separate storm drainpipe	271 Brown St

38.2892	-122.28608	Napa	2
38.31071	-122.3439	Napa	2
38.32231	-122.29589	Napa	2
38.28292	-122.26879	Napa	2
38.30584	-122.26727	Napa	2
38.32602	-122.31893	Napa	2
38.3311	-122.30789	Napa	2
38.32884	-122.31266	Napa	2
38.28562	-122.29119	Napa	2
38.30701	-122.28653	Napa	2
38.31042	-122.30473	Napa	2
38.34406	-122.31316	Napa	2
38.30134	-122.28486	Napa	2
38.29444	-122.29758	Napa	2
38.34696	-122.31558	Napa	2
38.33283	-122.3089	Napa	2
38.31889	-122.30986	Napa	2
38.28293	-122.26861	Napa	2
38.31795	-122.28918	Napa	2
38.32571	-122.31991	Napa	2
38.29058	-122.28543	Napa	2
38.29249	-122.30939	Napa	2
38.32893	-122.32848	Napa	2
38.30556	-122.29902	Napa	2
38.28876	-122.28984	Napa	2
38.29621	-122.30854	Napa	2
38.29461	-122.29712	Napa	2
38.29242	-122.29313	Napa	2
38.28669	-122.29136	Napa	2
38.28579	-122.29965	Napa	2
38.28499	-122.29159	Napa	2
38.31381	-122.31313	Napa	2
38.31235	-122.29392	Napa	2
38.31524	-122.30136	Napa	2
38.3103	-122.31191	Napa	2
38.31403	-122.30897	Napa	2
38.28702	-122.29278	Napa	2
38.30061	-122.27156	Napa	2
38.30478	-122.26986	Napa	2
38.29693	-122.28639	Napa	2
38.30202	-122.28878	Napa	2
38.30565	-122.33187	Napa	2
38.28439	-122.30166	Napa	2
38.28554	-122.27531	Napa	2
38.30898	-122.26771	Napa	2
38.33086	-122.3027	Napa	2
38.30393	-122.27575	Napa	2
38.30177	-122.33708	Napa	2
38.28294	-122.26678	Napa	2
38.30641	-122.2863	Napa	2
38.30995	-122.31877	Napa	2
38.28079	-122.26894	Napa	2
38.28585	-122.29572	Napa	2
38.28997	-122.28514	Napa	2

Gravity sewer
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District cleanout for lower lateral
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Unpaved surface
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Unpaved surface
Building or structure
Other paved surface
Street/curb and gutter;Unpaved surface
Street/curb and gutter
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Street/curb and gutter
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Street/curb and gutter
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Street/curb and gutter;Unpaved surface
Street/curb and gutter;Unpaved surface
Separate storm drain;Street/curb and gutter
Unpaved surface
Street/curb and gutter;Unpaved surface
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District cleanout for lower lateral

40867.4375	40867.45417	40867.46875	40867.47569
40868.41667	40868.46528	40868.46875	40868.47569
40870.45833	40870.46319	40870.46528	40870.46736
40871.42708	40871.43542	40871.45833	40871.47222
40875.64514	40875.66597	40875.68056	40875.68403
40875.43125	40875.44306	40875.49306	40875.49306
40875.48264	40875.49792	40875.525	40875.5625
40875.58333	40875.59722	40875.60417	40875.60764
40882.6875	40882.69792	40882.70139	40882.72222
40883.5625	40883.59583	40883.60069	40883.61111
40888.625	40888.62917	40888.63542	40888.6375
40890.35347	40890.36597	40890.38542	40890.38889
40892.4375	40892.45903	40892.48611	40892.49306
40895.70833	40895.71736	40895.73958	40895.73958
40900.375	40900.3875	40900.40278	40900.40625
40901.5625	40901.58264	40901.60069	40901.60208
40902.375	40902.40069	40902.42361	40902.42361
40910.33333	40910.34722	40910.38194	40910.38889
40910.54167	40910.54444	40910.56597	40910.57292
40911.61111	40911.62431	40911.62639	40911.62847
40912.33333	40912.35833	40912.36319	40912.36528
40915.66667	40915.67708	40915.6875	40915.69444
40915.32292	40915.33472	40915.34375	40915.35069
40920.29167	40920.30278	40920.31944	40920.32292
40929.70833	40929.72917	40929.75	40929.75694
40931.4375	40931.45	40931.46528	40931.46875
40932.6875	40932.69444	40932.71528	40932.72917
40938.41667	40938.42917	40938.43403	40938.44792
40945.625	40945.63889	40945.64583	40945.65625
40948.33333	40948.34861	40948.3625	40948.36806
40953.44444	40953.45139	40953.45833	40953.46875
40956.84375	40956.85208	40956.87222	40956.88889
40957.54167	40957.54722	40957.57014	40957.57569
40962.6875	40962.69792	40962.71528	40962.72222
40965.47847	40965.48333	40965.51042	40965.51111
40966.33333	40966.34444	40966.36111	40966.36806
40966.72917	40966.73958	40966.74792	40966.74861
40970.5	40970.51806	40970.53472	40970.54167
40973.39583	40973.40556	40973.41667	40973.42361
40975	40975	40975	40975
40976.5	40976.5125	40976.52083	40976.52778
40979.52083	40979.53472	40979.55208	40979.55556
40979.85417	40979.86944	40979.88542	40979.88889
40985.44792	40985.47083	40985.48958	40985.50347
40985.5	40987.53542	40987.54167	40987.58333
40989.33333	40989.35903	40989.375	40989.37847
40989.5	40989.50417	40989.52431	40989.52778
40990.29167	40990.33333	40990.35417	40990.41667
40994.58333	40994.59444	40994.59722	40994.60417
40999.45833	40999.47917	40999.51042	40999.52778
41003.38542	41003.39931	41003.40625	41003.40972
41008.5	41008.50556	41008.51042	41008.51389
41011.875	41011.88542	41011.89583	41011.90278
41011.72917	41011.75208	41011.77778	41011.78125

Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debri-Rags
Root intrusion
Root intrusion
Grease deposition (FOG)
Other (specify below)
Root intrusion
Debri-Rags
Debri-Rags
Root intrusion
Root intrusion
Grease deposition (FOG)
Grease deposition (FOG)
Debri-Rags
Debri-General
Root intrusion
Grease deposition (FOG)
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Debri-General
Root intrusion
Debri-Rags
Root intrusion
Grease deposition (FOG)
Debri-Rags
Root intrusion
Debri-Rags
Grease deposition (FOG)
Debri-Rags
Root intrusion
Root intrusion
Pipe structural problem/failure
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion

Unknown, after CCTV no appearant reasone for SSO. Assume gravel from broken water main that pushed into sewer pip

Pipe is cast iron and has moderate tuburcolation which helped rags accumalate

Lateral was shattered next to water line repair

Lower Lateral
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4	Clay	
4	Clay	
4	ACP	
4	ACP	
4	AVP	
4	Plastic	5
4	ACP	
4	ACP	
4		
4	ACP	50
4		50
4	ACP	45
4	CIP	35
4	Clay	
4	ACP	45
4	ACP	50
3	HDPE	25
4		
4	ACP	50
4	ACP	50
4	ACP	45
4		
4	Plastic	
4	Clay	
4	Clay	
4	Clay	30
4		
4		
4	Clay	
4	clay	
4		
7	HDPE	30
4	ACP	
4	Clay	
4	Clay	
3	HDPE	35
4	Clay	
4	PVC	10
4	CIPP	
4	Clay	
4	Clay	
4	ACP	60
4	ACP	60
8	Clay	15
4	ACP	50
4	ACP	55
4	ACP	60
4	ACP	35
4	Clay	
4	ACP	60
4		
4		
4	Clay	
4	ACP	

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
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Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R

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2SSO10159	Active	780700	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	781365	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	781366	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	781704	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	781705	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	781706	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	781708	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	781709	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	781711	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	781712	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	781714	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	781716	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	782945	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	783267	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	783269	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	783272	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	783677	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	783866	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	784733	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	784735	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	784736	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	785801	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	785805	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	785806	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	785808	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787231	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787232	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787233	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787234	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787235	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787239	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787240	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787243	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787246	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787247	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787248	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787249	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787250	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787251	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787253	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787254	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787255	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	787256	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788005	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788006	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788008	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788009	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788011	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788012	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788013	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788014	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788218	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788219	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788252	Greg Dawson	Certified	Collection Systems Technician

935 Hartle Ct	671864	41025	41025
935 Hartle Ct	530107	41044	41044
935 Hartle Ct	222200	41044	41044
935 Hartle Ct	421623	41059	41059
935 Hartle Ct	690325	41059	41059
935 Hartle Ct	893298	41059	41059
935 Hartle Ct	665708	41059	41059
935 Hartle Ct	462951	41059	41059
935 Hartle Ct	706756	41059	41059
935 Hartle Ct	406051	41059	41059
935 Hartle Ct	437783	41059	41059
District cleanout for lower lateral	631567	41059	41059
935 Hartle Ct	229346	41095	41095
935 Hartle Ct	199864	41101	41101
935 Hartle Ct	429658	41101	41101
935 Hartle Ct	356627	41101	41101
935 Hartle Ct	656863	41108	41108
935 Hartle Ct	315396	41113	41113
935 Hartle Ct	246059	41128	41128
935 Hartle Ct	674931	41128	41128
935 Hartle Ct	985870	41128	41128
935 Hartle Ct	310300	41152	41152
935 Hartle Ct	642074	41152	41152
935 Hartle Ct	131733	41152	41152
935 Hartle Ct	519272	41152	41152
935 Hartle Ct	871138	41198	41198
935 Hartle Ct	264151	41198	41198
935 Hartle Ct	749184	41198	41198
935 Hartle Ct	341887	41198	41198
935 Hartle Ct	500591	41198	41198
935 Hartle Ct	593351	41198	41198
935 Hartle Ct	750770	41198	41198
935 Hartle Ct	461850	41198	41198
935 Hartle Ct	360764	41198	41198
935 Hartle Ct	200491	41198	41198
935 Hartle Ct	580326	41198	41198
935 Hartle Ct	147010	41198	41198
935 Hartle Ct	585006	41198	41198
935 Hartle Ct	213398	41198	41198
935 Hartle Ct	381587	41198	41198
935 Hartle Ct	669409	41198	41198
935 Hartle Ct	845126	41198	41198
935 Hartle Ct	629957	41198	41198
935 Hartle Ct	527628	41226	41226
935 Hartle Ct	962528	41226	41226
935 Hartle Ct	532654	41226	41226
935 Hartle Ct	582102	41226	41226
935 Hartle Ct	269354	41226	41226
935 Hartle Ct	272359	41226	41226
935 Hartle Ct	984739	41226	41226
935 Hartle Ct	244579	41226	41226
935 Hartle Ct	896728	41232	41232
935 Hartle Ct	509663	41232	41232
935 Hartle Ct	169197	41233	41233

41025	41025	Category 3	5
41044	41044	Category 3	60
41044	41044	Category 3	50
41059	41059	Category 3	20
41059	41059	Category 3	3
41059	41059	Category 3	1
41059	41059	Category 3	1
41059	41059	Category 3	1
41059	41059	Category 3	1
41059	41059	Category 3	3
41059	41059	Category 3	5
41059	41059	Category 3	1
41095	41095	Category 3	1
41101	41101	Category 3	1
41101	41101	Category 3	10
41101	41101	Category 3	1
41108	41108	Category 3	30
41113	41113	Category 3	1
41128	41128	Category 3	1
41128	41128	Category 3	5
41128	41128	Category 3	1
41152	41152	Category 3	1
41152	41152	Category 3	5
41152	41152	Category 3	3
41152	41152	Category 3	1
41198	41198	Category 3	5
41198	41198	Category 3	1
41198	41198	Category 3	1
41198	41198	Category 3	5
41198	41198	Category 3	1
41198	41198	Category 3	2
41198	41198	Category 3	5
41198	41198	Category 3	300
41198	41198	Category 3	1
41198	41198	Category 3	20
41198	41198	Category 3	3
41198	41198	Category 3	5
41198	41198	Category 3	2
41198	41198	Category 3	1
41198	41198	Category 3	1
41198	41198	Category 3	1
41198	41198	Category 3	1
41198	41198	Category 3	1
41226	41226	Category 3	1
41226	41226	Category 3	1
41226	41226	Category 3	1
41226	41226	Category 3	45
41226	41226	Category 3	2
41226	41226	Category 3	2
41226	41226	Category 3	1
41226	41226	Category 3	5
41232	41232	Category 3	15
41232	41232	Category 3	1
41233	41233	Category 3	2

5	0	No	No
60	0	No	No
50	0	No	No
20	0	No	No
3	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
3	0	No	No
5	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
10	0	No	No
1	0	No	No
30	0	No	Yes
1	0	No	No
1	0	No	No
5	0	No	No
1	0	No	No
1	0	No	No
0	0	No	No
3	0	No	No
0	0	No	No
5	0	No	No
1	0	No	No
1	0	No	No
5	0	No	No
1	0	No	No
2	0	No	No
5	0	No	No
300	0	No	No
1	0	No	No
20	0	No	Yes
3	0	No	No
5	0	No	No
2	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
45	0	No	No
2	0	No	No
2	0	No	No
1	0	No	No
5	0	No	No
15	0	No	No
1	0	No	No
2	0	No	No

Not Applicable - Spill did not reach a separate storm drainpipe	1757 Tanen St
Not Applicable - Spill did not reach a separate storm drainpipe	246 Monte Vista Dr
Not Applicable - Spill did not reach a separate storm drainpipe	Main @ Keller
Not Applicable - Spill did not reach a separate storm drainpipe	712 Pueblo
Not Applicable - Spill did not reach a separate storm drainpipe	40 Oakcrest
Not Applicable - Spill did not reach a separate storm drainpipe	675 Lathrop
Not Applicable - Spill did not reach a separate storm drainpipe	1071 Johnston
Not Applicable - Spill did not reach a separate storm drainpipe	1027 Stonybrook
Not Applicable - Spill did not reach a separate storm drainpipe	811 Jefferson
Not Applicable - Spill did not reach a separate storm drainpipe	3708 Jefferson
Not Applicable - Spill did not reach a separate storm drainpipe	1610 D St
Not Applicable - Spill did not reach a separate storm drainpipe	3108 Hermosa
Not Applicable - Spill did not reach a separate storm drainpipe	1831 Myrtle
Not Applicable - Spill did not reach a separate storm drainpipe	1391 Rubicon
Not Applicable - Spill did not reach a separate storm drainpipe	505 Franklin
Not Applicable - Spill did not reach a separate storm drainpipe	3551 Jefferson Street
Yes	1406 Third
Not Applicable - Spill did not reach a separate storm drainpipe	2830 Linda Vista
Not Applicable - Spill did not reach a separate storm drainpipe	1406 Third
Not Applicable - Spill did not reach a separate storm drainpipe	Silverado Country Club condos
Not Applicable - Spill did not reach a separate storm drainpipe	2026 Main
Not Applicable - Spill did not reach a separate storm drainpipe	2038 Janette
Not Applicable - Spill did not reach a separate storm drainpipe	1861 Adrian
Not Applicable - Spill did not reach a separate storm drainpipe	3212 Stuart Way
Not Applicable - Spill did not reach a separate storm drainpipe	1660 Menlo
Not Applicable - Spill did not reach a separate storm drainpipe	350 Aguirre
Not Applicable - Spill did not reach a separate storm drainpipe	1136 Cayetano Ct
Not Applicable - Spill did not reach a separate storm drainpipe	151 Randolph
Not Applicable - Spill did not reach a separate storm drainpipe	2089 West F Street
Not Applicable - Spill did not reach a separate storm drainpipe	1559 Gordon
Not Applicable - Spill did not reach a separate storm drainpipe	2409 Soscol
Not Applicable - Spill did not reach a separate storm drainpipe	Graces Table
Not Applicable - Spill did not reach a separate storm drainpipe	CMA Trancas
Not Applicable - Spill did not reach a separate storm drainpipe	1233 Sierra
Yes	Trower @ Jefferson
Not Applicable - Spill did not reach a separate storm drainpipe	1423 Sierra 1
Not Applicable - Spill did not reach a separate storm drainpipe	1512 Trower
Not Applicable - Spill did not reach a separate storm drainpipe	238 S.Seymour
Not Applicable - Spill did not reach a separate storm drainpipe	2815 Carlos
Not Applicable - Spill did not reach a separate storm drainpipe	3012 Donna
Not Applicable - Spill did not reach a separate storm drainpipe	2455 MacLennan
Not Applicable - Spill did not reach a separate storm drainpipe	909 Yount
Not Applicable - Spill did not reach a separate storm drainpipe	1423 Sierra 2
Not Applicable - Spill did not reach a separate storm drainpipe	1715 El Centro
Not Applicable - Spill did not reach a separate storm drainpipe	1831 Myrtle
Not Applicable - Spill did not reach a separate storm drainpipe	2520 Dorset
Not Applicable - Spill did not reach a separate storm drainpipe	2214 Marin St
Not Applicable - Spill did not reach a separate storm drainpipe	1561 BROWN ST
Not Applicable - Spill did not reach a separate storm drainpipe	235 Randolph
Not Applicable - Spill did not reach a separate storm drainpipe	4308 Dale
Not Applicable - Spill did not reach a separate storm drainpipe	2274 Eva St
Not Applicable - Spill did not reach a separate storm drainpipe	3229 Beard
Not Applicable - Spill did not reach a separate storm drainpipe	2265 Brown
Not Applicable - Spill did not reach a separate storm drainpipe	3736 Jefferson

38.30641	-122.2863	Napa	2
38.30283	-122.26054	Napa	2
38.31903	-122.29669	Napa	2
38.31807	-122.28594	Napa	2
38.31471	-122.27498	Napa	2
38.3145	-122.28576	Napa	2
38.30366	-122.31447	Napa	2
38.30635	-122.3445	Napa	2
38.29601	-122.29396	Napa	2
38.3293	-122.3048	Napa	2
38.30347	-122.29744	Napa	2
38.34004	-122.3208	Napa	2
38.31288	-122.30591	Napa	2
38.32381	-122.30218	Napa	2
38.29435	-122.28763	Napa	2
38.32575	-122.30279	Napa	2
38.29623	-122.28789	Napa	2
38.31112	-122.31557	Napa	2
38.29623	-122.28789	Napa	2
38.34774	-122.26712	Napa	2
38.30765	-122.29237	Napa	2
38.3166	-122.30947	Napa	2
38.30589	-122.29015	Napa	2
38.31971	-122.29978	Napa	2
38.31286	-122.30324	Napa	2
38.29587	-122.27148	Napa	2
38.28841	-122.26664	Napa	2
38.28856	-122.28838	Napa	2
38.30317	-122.30942	Napa	2
38.33882	-122.3153	Napa	2
38.3153	-122.2855	Napa	2
38.30781	-122.24591	Napa	2
38.32408	-122.29223	Napa	2
38.3295	-122.30254	Napa	2
38.33291	-122.30842	Napa	2
38.32843	-122.30565	Napa	2
38.33283	-122.3089	Napa	2
38.28559	-122.29751	Napa	2
38.31047	-122.31792	Napa	2
38.31256	-122.3201	Napa	2
38.31564	-122.32013	Napa	2
38.3045	-122.28814	Napa	2
38.32843	-122.30565	Napa	2
38.34203	-122.29804	Napa	2
38.31288	-122.30591	Napa	2
38.28322	-122.3045	Napa	2
38.30698	-122.29986	Napa	2
38.30277	-122.28962	Napa	2
38.28986	-122.28794	Napa	2
38.33935	-122.31731	Napa	2
38.27914	-122.29518	Napa	2
38.32168	-122.2957	Napa	2
38.31014	-122.29518	Napa	2
38.33029	-122.30555	Napa	2

Signs of overflow noticed during Preventative Maintenance

Gravity sewer
Gravity sewer;Manhole
Gravity sewer;Manhole
Gravity sewer
Gravity sewer
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Building or structure
Gravity sewer
Gravity sewer;Manhole
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Gravity sewer

District cleanout for lower lateral

District cleanout for lower lateral
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District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
Basement of church
District cleanout for lower lateral

District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
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District cleanout for lower lateral
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District cleanout for lower lateral
District cleanout for lower lateral

Unpaved surface
Street/curb and gutter
Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Separate storm drain;Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Other paved surface
Building or structure
Unpaved surface
Separate storm drain;Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
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Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface

Noticed paper around cleanout when arriving for Preventive Maintenance

Sand around cleanout was wet

Washed down and vacuumed storm drain and returned all to sanitary sewer

41012.80556	41012.82083	41012.83333	41012.84375
41017.72222	41017.73681	41017.75	41017.78125
41027.45833	41027.46528	41027.48611	41027.49306
41031.375	41031.38819	41031.39444	41031.39931
41031.45833	41031.46944	41031.47917	41031.48611
41035.375	41035.39236	41035.39583	41035.40278
41035.4375	41035.45694	41035.5	41035.50694
41036.6875	41036.69861	41036.70833	41036.71528
41038.75	41038.76806	41038.77361	41038.77778
41040.64583	41040.66042	41040.67708	41040.68056
41040.875	41040.89931	41040.90972	41040.91319
41051.41667	41052.04375	41052.05556	41052.05903
41094.5625	41094.58125	41094.60764	41094.61458
41100.35417	41100.3625	41100.37847	41100.37986
41100.82292	41100.84375	41100.85069	41100.85417
41096.58333	41096.59861	41096.61458	41096.61806
41107.54167	41107.575	41107.58333	41107.58681
41087.25	41087.34861	41087.35069	41087.35069
41123.41667	41123.44097	41123.44792	41123.45833
41124.375	41124.38542	41124.39583	41124.42708
41123.45833	41123.48958	41123.48958	41123.48958
41129.55556	41129.57639	41129.58333	41129.60417
41131.29167	41131.48611	41131.48611	41131.48681
41141.33333	41141.36319	41141.39583	41141.40625
41145.45833	41145.47778	41145.48264	41145.48611
41155.52083	41155.54931	41155.56944	41155.57014
41156.33333	41156.34653	41156.35417	41156.36111
41156.44792	41156.46458	41156.46875	41156.47569
41158.72917	41158.74861	41158.77083	41158.77431
41165.20833	41165.23264	41165.25	41165.25694
41165.33333	41165.375	41165.375	41165.375
41167.35417	41167.38194	41167.38889	41167.39236
41170.60417	41170.63819	41170.65694	41170.67708
41174.29167	41174.30069	41174.30903	41174.31042
41177.44792	41177.44792	41177.44792	41177.44861
41180.66667	41180.675	41180.69097	41180.69444
41181.63889	41181.65417	41181.67014	41181.67361
41184.45833	41184.46181	41184.46528	41184.47222
41189.42708	41189.4375	41189.46875	41189.47917
41193.45833	41193.46458	41193.47222	41193.47569
41197.5	41197.50833	41197.52083	41197.53125
41197.625	41197.65972	41197.72222	41197.73611
41197.8125	41197.83264	41197.85069	41197.85764
41211.63542	41211.64514	41211.65278	41211.65625
41212.33333	41212.34792	41212.35	41212.35347
41213.58333	41213.59653	41213.61806	41213.62083
41213.625	41213.65972	41213.67222	41213.67708
41214.6875	41214.70486	41214.71736	41214.72222
41224.36458	41224.37431	41224.3875	41224.39028
41224.6875	41224.69931	41224.71111	41224.71389
41225.95833	41225.96736	41225.97847	41225.98958
41228.5	41228.54861	41228.55556	41228.5625
41229.4375	41229.44583	41229.45833	41229.46875
41232.35069	41232.36806	41232.37153	41232.38542

Root intrusion
Debri-General
Grease deposition (FOG)
Root intrusion
Root intrusion
Grease deposition (FOG)
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debri-Rags
Root intrusion
Root intrusion
Root intrusion
Pipe structural problem/failure
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Pipe structural problem/failure
Root intrusion
Root intrusion
Debri-General
Grease deposition (FOG)
Root intrusion
Other (specify below)
Root intrusion
Pipe structural problem/failure
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debri-General
Root intrusion
Root intrusion
Grease deposition (FOG)
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debri-General

Offsets in line holding debris

Suspected flushe cell phone

Too much debris accumelated during main line cleaning operations
Root intrusion at joint of cleanout
Offset joint

Lower Lateral	
Main	
Main	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Upper Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	Dried paper noticed during routine Preventive Maintenance
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Main	
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Main	
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Lower Lateral	
Lower Lateral	
Lower Lateral	
Main	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	
Lower Lateral	

4	ACP	50
6	ACP	65
6	ACP	60
4	ACP	
4	ACP	
4	ACP	
4	ACP	
4	ACP	
4	Clay	
4	ACP	
4	Clay	
4	ACP	
4	Plastic	14
4	ACP	45
4	ACP	40
4	ACP	45
4	various	
4	ACP	55
4	Various	
4	ACP	60
4	Clay	
3	NiPak	40
4	ACP	60
4	ACP	50
4	ACP	60
4	Clay	
4	ACP	45
4	Clay	
4	Clay	
4	ACP	45
4	ACP	50
4		
14	ACP	46
4	ACP	45
3	HDPE	35
4	ACP	40
4	Clay	
4	ACP	50
4	ACP	45
4	ACP	50
4	clay	
3	HDPE	
4	ACP	45
6	Clay	70
3	HDPE	30
4	Clay	80
4	ACP	45
4	CIP	80
4	ACP	50
4	Clay	55
4	ACP	65
4	Clau	80
4	ACP	45

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Inspected sewer using CCTV to determine cause;Restored flow
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Inspected sewer using CCTV to determine cause;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Inspected sewer using CCTV to determine cause;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Inspected sewer using CCTV to determine cause;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Inspected sewer using CCTV to determine cause;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R

NSD crew noticed paper around cleanout. Unknown time of blocage that self cleared. Ran and CCTVed line. Washed a

Returned all sewage down floor drain to sewer and had basement proffesionally cleaned and sanitized

None
None
None
None
None
None
None
None
None
None
None
None
None
None
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none

2SSO10159	Active	788314	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788670	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788672	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788733	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788836	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788916	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	788942	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789191	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789192	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789230	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789461	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789462	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789493	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789494	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789533	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789534	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789573	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	789611	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791131	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791135	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791137	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791138	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791139	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791140	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791142	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791143	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791144	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791145	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791261	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791283	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791654	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791655	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791772	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791773	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791816	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791817	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	791870	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	792002	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	792004	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	792352	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	792353	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	792515	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	792517	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	792763	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	792866	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	793089	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	793551	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	793574	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	793575	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	793642	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	793770	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	794217	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	794219	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	794310	Greg Dawson	Certified	Collection Systems Technician

935 Hartle Ct	310490	41234	41234
935 Hartle Ct	660136	41246	41246
935 Hartle Ct	514932	41246	41246
935 Hartle Ct	801259	41247	41247
935 Hartle Ct	776849	41249	41249
935 Hartle Ct	777625	41253	41253
935 Hartle Ct	403033	41254	41254
935 Hartle Ct	242631	41262	41262
935 Hartle Ct	155563	41262	41262
935 Hartle Ct	987376	41264	41264
935 Hartle Ct	963774	41270	41270
935 Hartle Ct	372089	41270	41270
935 Hartle Ct	850618	41270	41270
935 Hartle Ct	571496	41270	41270
Collection Systems Technician	526338	41274	41274
935 Hartle Ct	244835	41274	41274
935 Hartle Ct	724753	41276	41276
935 Hartle Ct	611954	41277	41277
935 Hartle Ct	489924	41309	41309
935 Hartle Ct	498085	41309	41309
935 Hartle Ct	663445	41309	41309
935 Hartle Ct	670433	41309	41309
935 Hartle Ct	183816	41309	41309
935 Hartle Ct	597421	41309	41309
935 Hartle Ct	423579	41309	41309
935 Hartle Ct	422273	41309	41309
935 Hartle Ct	913236	41309	41309
935 Hartle Ct	845968	41309	41309
935 Hartle Ct	222590	41311	41311
935 Hartle Ct	923573	41311	41311
935 Hartle Ct	534277	41319	41319
935 Hartle Ct	142527	41319	41319
935 Hartle Ct	883017	41324	41324
935 Hartle Ct	426018	41324	41324
935 Hartle Ct	478134	41324	41324
935 Hartle Ct	494994	41324	41324
935 Hartle Ct	581545	41326	41326
935 Hartle Ct	659074	41330	41330
935 Hartle Ct	704940	41330	41330
935 Hartle Ct	245363	41338	41338
935 Hartle Ct	366864	41338	41338
935 Hartle Ct	891982	41344	41344
935 Hartle Ct	682308	41344	41344
935 Hartle Ct	197622	41353	41353
935 Hartle Ct	665456	41358	41358
935 Hartle Ct	855233	41365	41365
935 Hartle Ct	556350	41386	41386
935 Hartle Ct	403183	41387	41387
935 Hartle Ct	408305	41387	41387
935 Hartle Ct	996642	41389	41389
935 Hartle Ct	753858	41395	41395
935 Hartle Ct	455580	41410	41410
935 Hartle Ct	953896	41410	41410
935 Hartle Ct	195268	41415	41415

41234	41234	Category 3	40
41246	41246	Category 3	1
41246	41246	Category 3	1
41247	41247	Category 3	10
41249	41249	Category 3	2
41253	41253	Category 3	5
41254	41254	Category 3	2
41262	41262	Category 3	5
41262	41262	Category 3	1
41264	41264	Category 3	1
41270	41270	Category 3	2
41270	41270	Category 3	1
41270	41270	Category 3	5
41270	41270	Category 3	1
41274	41274	Category 3	5
41274	41274	Category 3	3
41276	41276	Category 3	1
41277	41277	Category 3	2
41309	41309	Category 3	3
41309	41309	Category 3	1
41309	41309	Category 3	10
41309	41309	Category 3	1
41309	41309	Category 3	1
41309	41309	Category 3	4
41309	41309	Category 3	2
41309	41309	Category 3	3
41309	41309	Category 3	50
41309	41309	Category 3	1
41311	41311	Category 3	3
41311	41311	Category 3	2
41319	41319	Category 3	2
41319	41319	Category 3	5
41324	41324	Category 3	20
41324	41324	Category 3	2
41324	41324	Category 3	1
41324	41324	Category 3	1
41326	41326	Category 3	2
41330	41330	Category 3	3
41330	41330	Category 3	1
41338	41338	Category 3	30
41338	41338	Category 3	5
41344	41344	Category 3	1
41344	41344	Category 3	2
41353	41353	Category 3	3
41358	41358	Category 3	2
41365	41365	Category 3	10
41386	41386	Category 3	1
41387	41387	Category 3	3
41387	41387	Category 3	10
41389	41389	Category 3	5
41395	41395	Category 3	3
41410	41410	Category 3	1
41410	41410	Category 3	2
41415	41415	Category 3	20

40	0	No	No
1	0	No	No
1	0	No	No
10	0	No	No
2	0	No	No
5	0	No	No
2	0	No	No
5	0	No	No
1	0	No	No
1	0	No	No
2	0	No	No
1	0	No	No
5	0	No	No
1	0	No	No
5	0	No	No
3	0	No	No
1	0	No	No
2	0	No	No
3	0	No	No
1	0	No	No
10	0	No	No
1	0	No	No
1	0	No	No
4	0	No	No
2	0	No	No
3	0	No	No
50	0	No	Yes
1	0	No	No
3	0	No	No
2	0	No	No
2	0	No	No
5	0	No	No
20	0	No	No
2	0	No	No
1	0	No	No
1	0	No	No
2	0	No	No
3	0	No	No
1	0	No	No
30	0	No	No
5	0	No	No
1	0	No	No
2	0	No	No
3	0	No	No
2	0	No	No
10	0	No	No
1	0	No	No
3	0	No	No
10	0	No	No
5	0	No	No
3	0	No	No
1	0	No	No
2	0	No	No
20	0	No	No

Not Applicable - Spill did not reach a separate storm drainpipe	4396 DALE DR
Not Applicable - Spill did not reach a separate storm drainpipe	2720 Idaho
Not Applicable - Spill did not reach a separate storm drainpipe	3115 Encanto
Not Applicable - Spill did not reach a separate storm drainpipe	1735 Central
Not Applicable - Spill did not reach a separate storm drainpipe	2420 Redwood Rd
Not Applicable - Spill did not reach a separate storm drainpipe	1022 Rowena
Not Applicable - Spill did not reach a separate storm drainpipe	453 Mannering
Not Applicable - Spill did not reach a separate storm drainpipe	2412 Yajome
Not Applicable - Spill did not reach a separate storm drainpipe	1549 Noelle Way
Not Applicable - Spill did not reach a separate storm drainpipe	2260 Adrian St
Not Applicable - Spill did not reach a separate storm drainpipe	219 Roosevelt
Not Applicable - Spill did not reach a separate storm drainpipe	25 Randolph
Not Applicable - Spill did not reach a separate storm drainpipe	2312 Kathleen
Not Applicable - Spill did not reach a separate storm drainpipe	421 E Berna
Not Applicable - Spill did not reach a separate storm drainpipe	1514 Clay
Not Applicable - Spill did not reach a separate storm drainpipe	2010 Ida Street
Not Applicable - Spill did not reach a separate storm drainpipe	2533 Yajome
Not Applicable - Spill did not reach a separate storm drainpipe	2402 Colina Ct
Not Applicable - Spill did not reach a separate storm drainpipe	340 Pickwick
Not Applicable - Spill did not reach a separate storm drainpipe	Small World Resturant
Not Applicable - Spill did not reach a separate storm drainpipe	580 Madison
Not Applicable - Spill did not reach a separate storm drainpipe	1125 Division St
Not Applicable - Spill did not reach a separate storm drainpipe	3523 Glenbrook
Not Applicable - Spill did not reach a separate storm drainpipe	940 Seymour
Not Applicable - Spill did not reach a separate storm drainpipe	1088 Shetler
Not Applicable - Spill did not reach a separate storm drainpipe	2132 W PArk
Yes	2452 Colina Court
Not Applicable - Spill did not reach a separate storm drainpipe	4145 Fairfax
Not Applicable - Spill did not reach a separate storm drainpipe	3340 Twin Oaks
Not Applicable - Spill did not reach a separate storm drainpipe	4406 Summerfield
Not Applicable - Spill did not reach a separate storm drainpipe	1718 York
Not Applicable - Spill did not reach a separate storm drainpipe	1133 Eggleston
Not Applicable - Spill did not reach a separate storm drainpipe	10 Abbey Court
Not Applicable - Spill did not reach a separate storm drainpipe	1025 Pine
Not Applicable - Spill did not reach a separate storm drainpipe	1510 Juanita Court
Not Applicable - Spill did not reach a separate storm drainpipe	2010 W Lincoln
Not Applicable - Spill did not reach a separate storm drainpipe	18 Bonita
Not Applicable - Spill did not reach a separate storm drainpipe	614 Montecito
Not Applicable - Spill did not reach a separate storm drainpipe	1341 Menlo
Not Applicable - Spill did not reach a separate storm drainpipe	1002 Wyatt
Not Applicable - Spill did not reach a separate storm drainpipe	2086 Shurtleff
Not Applicable - Spill did not reach a separate storm drainpipe	2815 CARLOS
Not Applicable - Spill did not reach a separate storm drainpipe	2446 MACLEAN ST
Not Applicable - Spill did not reach a separate storm drainpipe	1053 Round Hill Circle
Not Applicable - Spill did not reach a separate storm drainpipe	3261 Piedmont
Not Applicable - Spill did not reach a separate storm drainpipe	670 Lincoln
Not Applicable - Spill did not reach a separate storm drainpipe	2047 W F ST
Not Applicable - Spill did not reach a separate storm drainpipe	2500 INDIANA
Not Applicable - Spill did not reach a separate storm drainpipe	2470 MERCED ST
Not Applicable - Spill did not reach a separate storm drainpipe	510 S JEFFERSON ST
Not Applicable - Spill did not reach a separate storm drainpipe	2047 W F ST #2
Not Applicable - Spill did not reach a separate storm drainpipe	26 VILLAGE PARKWAY
Not Applicable - Spill did not reach a separate storm drainpipe	356 BROWN ST
Not Applicable - Spill did not reach a separate storm drainpipe	1003 SHETLER AVE

38.34135	-122.31838	Napa	2
38.28711	-122.30819	Napa	2
38.34045	-122.32035	Napa	2
38.3106	-122.30377	Napa	2
38.31965	-122.31948	Napa	2
38.30632	-122.3373	Napa	2
38.2924	-122.30648	Napa	2
38.31349	-122.29201	Napa	2
38.31659	-122.31104	Napa	2
38.31036	-122.29223	Napa	2
38.29028	-122.30867	Napa	2
38.28684	-122.28901	Napa	2
38.31595	-122.31681	Napa	2
38.30495	-122.27006	Napa	2
38.2982	-122.29029	Napa	2
38.31067	-122.28605	Napa	2
38.31379	-122.29274	Napa	2
38.28463	-122.30177	Napa	2
38.28595	-122.30582	Napa	2
38.29828	-122.28661	Napa	2
38.29383	-122.2947	Napa	2
38.29508	-122.28362	Napa	2
38.30515	-122.34285	Napa	2
38.29759	-122.29689	Napa	2
38.28292	-122.26879	Napa	2
38.31108	-122.31126	Napa	2
38.28463	-122.30177	Napa	2
38.33064	-122.3247	Napa	2
38.30028	-122.33642	Napa	2
38.34416	-122.31294	Napa	2
38.30293	-122.29669	Napa	2
38.30242	-122.2914	Napa	2
38.31076	-122.32841	Napa	2
38.28982	-122.28407	Napa	2
38.2869	-122.25744	Napa	2
38.30702	-122.30662	Napa	2
38.30123	-122.27167	Napa	2
38.30437	-122.26361	Napa	2
38.3133	-122.29798	Napa	2
38.29168	-122.26913	Napa	2
38.2864	-122.2633	Napa	2
38.31047	-122.31792	Napa	2
38.31836	-122.32036	Napa	2
38.30315	-122.33763	Napa	2
38.32195	-122.29761	Napa	2
38.31056	-122.28317	Napa	2
38.30296	-122.30706	Napa	2
38.28471	-122.30416	Napa	2
38.30852	-122.30317	Napa	2
38.28292	-122.29348	Napa	2
38.30296	-122.30706	Napa	2
38.27959	-122.30541	Napa	2
38.29096	-122.28406	Napa	2
38.28211	-122.27312	Napa	2

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District cleanout for lower lateral
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Street/curb and gutter
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Street/curb and gutter
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Separate storm drain;Street/curb and gutter
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Street/curb and gutter;Unpaved surface
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Street/curb and gutter;Unpaved surface
Street/curb and gutter
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Street/curb and gutter

Vacuumed and returned to sanitary sewer

cleaned and Vacuumed storm drain, returned to sanitary sewer

41233.41667	41233.42708	41233.43403	41233.44097
41234.54236	41234.55903	41234.5625	41234.57292
41239.61458	41239.625	41239.63542	41239.64236
41246.64583	41246.67153	41246.67708	41246.68403
41248.47917	41248.49306	41248.52083	41248.52431
41252.5	41252.52708	41252.53958	41252.54167
41253.66667	41253.67014	41253.6875	41253.69097
41254.71875	41254.74028	41254.76528	41254.76736
41255.45833	41255.45972	41255.47569	41255.48264
41263.71875	41263.73264	41263.75347	41263.76042
41269.33333	41269.35556	41269.36111	41269.375
41269.375	41269.38542	41269.41667	41269.42708
41270.41667	41270.44514	41270.45833	41270.46875
41270.5	41270.52778	41270.53472	41270.55208
41271.52083	41271.5375	41271.55208	41271.55903
41271.67708	41273.60278	41273.625	41273.63542
41274.54167	41274.54792	41274.55903	41274.5625
41276.9375	41276.94931	41276.95833	41276.96875
41287.45833	41287.46806	41287.47917	41287.48264
41288.58333	41288.59375	41288.60417	41288.60764
41289.375	41289.40625	41289.42708	41289.43403
41291.59375	41291.60486	41291.63542	41291.63889
41302.48958	41302.49653	41302.50694	41302.52014
41302.59722	41302.60417	41302.61458	41302.625
41306.5	41306.50486	41306.56944	41306.57292
41307.3125	41307.33125	41307.34375	41307.35417
41307.625	41307.66389	41307.67708	41307.69792
41307.38542	41307.39931	41307.40625	41307.41667
41309.5625	41309.58611	41309.59375	41309.60417
41310.38542	41310.39931	41310.40625	41310.41667
41317.35417	41317.37292	41317.39236	41317.40625
41318.375	41318.39792	41318.40625	41318.40972
41321.33333	41321.41528	41321.44444	41321.45486
41322.54167	41322.55556	41322.57639	41322.57986
41320.45833	41320.47847	41320.48958	41320.49306
41320.60417	41320.61458	41320.61806	41320.625
41325.625	41325.66806	41325.67708	41325.6875
41326.58333	41326.61181	41326.62847	41326.63542
41328.64583	41328.66319	41328.67708	41328.68056
41335.33333	41335.66319	41335.67708	41335.68056
41337.5	41337.59028	41337.59375	41337.61111
41342.375	41342.38958	41342.41042	41342.41319
41342.70833	41342.72778	41342.73611	41342.73958
41348.3125	41348.34653	41348.35972	41348.36111
41357.58333	41357.59931	41357.60764	41357.61111
41360.5625	41360.58333	41360.59375	41360.60417
41384.77083	41384.78819	41384.79861	41384.80208
41386.44792	41386.46111	41386.48611	41386.48958
41386.66667	41386.67986	41386.69097	41386.69444
41387.29167	41387.31528	41387.34028	41387.34375
41394.77083	41394.79028	41394.80903	41394.89583
41403.47222	41403.48611	41403.49306	41403.5
41409.5	41409.52083	41409.52083	41409.52778
41414.66667	41414.71528	41414.72222	41414.72569

Root intrusion
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Debri-Rags
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Debri-General
Debri-General
Grease deposition (FOG)
Grease deposition (FOG)
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Vandalism
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Debri-Rags
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Pipe structural problem/failure
Pipe structural problem/failure
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Debri-General
Root intrusion

Rocks where inserted through cleanout

Offset in pipe
Offset in pipe

Lower Lateral
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4	ACP	45
4	ACP	50
4	ACP	50
4	ACP	50
4	ACP	50
4	ACP	40
4	Clay	
4	Clay	
3	HDPE	30
4	CIP	80
4	Concrete	80
4	Clay	80
4	ACP	60
4		
4	Clay	80
4	ACP	60
4	Clay	80
6	ACP	45
3	HDPE	30
4	CIP	
4	ACP	60
4	ACP	60
4	ACP	60
4	CIP	
4	ACP	65
4	Various	
4	ACP	40
4	ACP	40
4	ACP	45
4	ACP	50
4	Clay	
4	Clay	
4	Plastic	25
4	ACP	45
4	ACP	50
4	ACP	
4	CIPP	5
4	CIPP	
4	Clay	
4	ACP	60
4	ACP	65
4	ACP	60
4	CIPP	2
4	ACP	45
4	ACP	50
4	ACP	45
6	Clay	70
3	HDPE	30
4	ACP	60
4	Variable	
4	Clay	60
4	ACP	30
4	clay	
6	Clay	

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
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Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Inspected sewer using CCTV to determine cause;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
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Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R

Located spill during Preventive Maintenance

Vacuumed and returned spill and wash up to sanitary sewer
Vacuumed spill and wash water and returned to sanitary sewer

Vacuumed and returned to sanitary sewer

Vacuumed spill and wash water and returned to sanitary sewer

None
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2SSO10159	Active	794423	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	794425	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	794506	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	794548	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	794772	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	794773	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	795538	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	796690	Todd Herrick	Certified	Collection System Manager
2SSO10159	Active	796692	Todd Herrick	Certified	Collection System Manager
2SSO10159	Active	797355	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	797356	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	797358	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	797359	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	797361	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	797362	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	797364	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	797489	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	797525	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	797828	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	797829	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798524	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798526	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798527	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798674	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798675	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798676	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798677	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798680	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798681	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798682	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798684	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798685	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	798686	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	799618	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	799620	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	799622	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	799623	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	799624	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	799626	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	799628	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	799629	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	799630	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	799631	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	799632	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800678	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800679	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800680	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800682	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800684	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800685	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800686	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800689	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800690	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800691	Greg Dawson	Certified	Collection Systems Technician

935 Hartle Ct	722134	41417	41417
935 Hartle Ct	406519	41417	41417
935 Hartle Ct	871399	41422	41422
935 Hartle Ct	738983	41423	41423
935 Hartle Ct	892859	41430	41430
935 Hartle Ct	242170	41430	41430
1515 Soscol Ferry Rd	350104	41438	41438
1515 Soscol Ferry Road	153614	41466	41466
1515 Soscol Ferry Road	422614	41466	41466
1515 Soscol Ferry Rd	310473	41485	41485
1515 Soscol Ferry Rd	145876	41485	41485
1515 Soscol Ferry Rd	171662	41485	41485
1515 Soscol Ferry Rd	776724	41485	41485
1515 Soscol Ferry Rd	773307	41485	41485
1515 Soscol Ferry Rd	451345	41485	41485
1515 Soscol Ferry Rd	683268	41485	41485
1515 Soscol Ferry Rd	918362	41488	41488
1515 Soscol Ferry Rd	972312	41491	41491
1515 Soscol Ferry Rd	298993	41499	41499
1515 Soscol Ferry Rd	808387	41499	41499
1515 Soscol Ferry Rd	282207	41522	41522
1515 Soscol Ferry Rd	954404	41522	41522
1515 Soscol Ferry Rd	844516	41522	41522
1515 Soscol Ferry Rd	534993	41528	41528
1515 Soscol Ferry Rd	349196	41528	41528
1515 Soscol Ferry Rd	759292	41528	41528
1515 Soscol Ferry Rd	234980	41528	41528
1515 Soscol Ferry Rd	112101	41528	41528
1515 Soscol Ferry Rd	577771	41528	41528
1515 Soscol Ferry Rd	600706	41528	41528
1515 Soscol Ferry Rd	466196	41528	41528
1515 Soscol Ferry Rd	588030	41528	41528
1515 Soscol Ferry Rd	111140	41528	41528
1515 Soscol Ferry Rd	907361	41557	41557
1515 Soscol Ferry Rd	383317	41557	41557
1515 Soscol Ferry Rd	582606	41557	41557
1515 Soscol Ferry Rd	141358	41557	41557
1515 Soscol Ferry Rd	829208	41557	41557
1515 Soscol Ferry Rd	891997	41557	41557
1515 Soscol Ferry Rd	707581	41557	41557
1515 Soscol Ferry Rd	637344	41557	41557
1515 Soscol Ferry Rd	640469	41557	41557
1515 Soscol Ferry Rd	790166	41557	41557
1515 Soscol Ferry Rd	560305	41557	41557
1515 Soscol Ferry Rd	274041	41590	41590
1515 Soscol Ferry Rd	666951	41590	41590
1515 Soscol Ferry Rd	220376	41590	41590
1515 Soscol Ferry Rd	499264	41590	41590
1515 Soscol Ferry Rd	267797	41590	41590
1515 Soscol Ferry Rd	539639	41590	41590
1515 Soscol Ferry Rd	579935	41590	41590
1515 Soscol Ferry Rd	919679	41590	41590
1515 Soscol Ferry Rd	951762	41590	41590
1515 Soscol Ferry Rd	138277	41590	41590

41417	41417	Category 3		2
41417	41417	Category 3		2
41422	41422	Category 3		1
41423	41423	Category 3		2
41430	41430	Category 3		1
41430	41430	Category 3		2
41438	41438	Category 3		10
41466	41466	Category 3		746
41466	41466	Category 3		1
41485	41485	Category 3		1
41485	41485	Category 3		1
41485	41485	Category 3		100
41485	41485	Category 3		1
41485	41485	Category 3		1
41485	41485	Category 3		10
41485	41485	Category 3		1
41488	41488	Category 3		10
41491	41491	Category 3		10
41499	41499	Category 3		1
41499	41499	Category 3		1
41522	41522	Category 3		1
41522	41522	Category 3		20
41522	41522	Category 3		2
41528	41528	Category 3	5	5
41528	41528	Category 3	2	2
41528	41528	Category 3	3	3
41528	41528	Category 3	3	3
41528	41528	Category 3	3	3
41528	41528	Category 3	10	10
41528	41528	Category 3	1	1
41528	41528	Category 3	1	1
41528	41528	Category 3	1	1
41528	41528	Category 3	30	30
41557	41557	Category 3	2	2
41557	41557	Category 3	1	1
41557	41557	Category 3	5	5
41557	41557	Category 3	1	1
41557	41557	Category 3	5	5
41557	41557	Category 3	2	2
41557	41557	Category 3	1	1
41557	41557	Category 3	1	1
41557	41557	Category 3	1	1
41557	41557	Category 3	1	1
41557	41583	Category 3	0	300
41590	41590	Category 3	40	40
41590	41590	Category 3	5	5
41590	41590	Category 3	3	3
41590	41590	Category 3	1	1
41590	41590	Category 3	2	2
41590	41590	Category 3	1	1
41590	41590	Category 3	1	1
41590	41590	Category 3	1	1
41590	41590	Category 3	1	1
41590	41590	Category 3	5	5

2	0	No	No
2	0	No	No
1	0	No	No
2	0	No	No
1	0	No	No
2	0	No	No
10	0	No	No
375	0	No	Yes
1	0	No	No
1	0	No	No
1	0	No	No
65	0	No	No
1	0	No	No
1	0	No	No
10	0	No	No
1	0	No	No
10	0	No	No
10	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
20	0	No	No
2	0	No	No
5	0	No	No
2	0	No	No
3	0	No	No
3	0	No	No
3	0	No	No
10	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
30	0	No	No
2	0	No	No
1	0	No	No
5	0	No	No
1	0	No	No
5	0	No	No
2	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
300	0	No	Yes
40	0	No	No
5	0	No	No
3	0	No	No
1	0	No	No
2	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
5	0	No	No

Not Applicable - Spill did not reach a separate storm drainpipe	2500 INDIANA ST NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	2585 ADRIAN ST NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	313 FRANKLIN
Not Applicable - Spill did not reach a separate storm drainpipe	2110 EUCLID AVE
Not Applicable - Spill did not reach a separate storm drainpipe	4406 SUMMERFIELD Dr
Not Applicable - Spill did not reach a separate storm drainpipe	2570 MERCED ST
Not Applicable - Spill did not reach a separate storm drainpipe	573 PATCHETT ST NAPA CA 94559
Yes	2900 Hillcrest
Not Applicable - Spill did not reach a separate storm drainpipe	1710 Spruce Street
Not Applicable - Spill did not reach a separate storm drainpipe	2320 Oak St
Not Applicable - Spill did not reach a separate storm drainpipe	48 QUEENS CT NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	WYATT RD NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	2165 MARSHALL AV NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	1528 PUEBLO AV NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	1691 KING AV NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	11 GLEN CT NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	1234 3RD ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	1531 MENLO AV NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	520 FOOTHILL BV NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	2050 BROWN ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	1861 ADRIAN ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	Economy Market
Not Applicable - Spill did not reach a separate storm drainpipe	573 PATCHETT ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	2038 W LINCOLN AV NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	2110 IMOLA AV NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	1418 A ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	2120 LERNHART ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	3561 DOVER ST NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	299 S HARTSON ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	3736 JEFFERSON ST NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	350 AGUIRRE WY NAPA CA 9455
Not Applicable - Spill did not reach a separate storm drainpipe	2099 W PUEBLO AV NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	3367 CALIFORNIA (OLD) WY NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	85 BERNA AV NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	151 RANDOLPH ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	332 BROWN ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	1673 SYCAMORE ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	129 HOMEWOOD AV NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	1305 SPROUL AV NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	1586 MOSSWOOD DR NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	3500 DOVER ST NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	2056 S TERRACE DR NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	3570 JEFFERSON ST NAPA CA 94558
Yes	Shurtleff @ Terrace
Not Applicable - Spill did not reach a separate storm drainpipe	1511 JEFFERSON ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	51 MORGAN LN NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	2345 LOUISA ST NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	8 KENWOOD ST NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	1621 ARCADIA CT NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	2547 ADRIAN ST NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	18 BONITA AV NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	11 BURNETTE CT NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	3808 JEFFERSON ST NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	350 AGUIRRE WY NAPA CA 94559

38.28471	-122.30416	Napa	2
38.31433	-122.29408	Napa	2
38.29136	-122.28871	Napa	2
38.31016	-122.30972	Napa	2
38.34416	-122.31294	Napa	2
38.31025	-122.30367	Napa	2
38.29386	-122.29628	Napa	2
38.35189	-122.25441	Napa	2
38.28669	-122.29234	Napa	2
38.29577	-122.29921	Napa	2
38.30578	-122.31728	Napa	2
38.29159	-122.26734	Napa	2
38.28141	-122.26666	Napa	2
38.31508	-122.30139	Napa	2
38.31025	-122.27136	Napa	2
38.31339	-122.31986	Napa	2
38.29691	-122.28653	Napa	2
38.31294	-122.30111	Napa	2
38.29317	-122.31002	Napa	2
38.30762	-122.29333	Napa	2
38.30589	-122.29015	Napa	2
38.28041	-122.26778	Napa	2
38.29386	-122.29628	Napa	2
38.30684	-122.30743	Napa	2
38.28018	-122.25638	Napa	2
38.30142	-122.29522	Napa	2
38.28398	-122.29748	Napa	2
38.32127	-122.31694	Napa	2
38.28487	-122.29557	Napa	2
38.33029	-122.30555	Napa	2
38.29587	-122.27148	Napa	2
38.31249	-122.31236	Napa	2
38.32045	-122.30721	Napa	2
38.30458	-122.27519	Napa	2
38.28856	-122.28838	Napa	2
38.29065	-122.28422	Napa	2
38.28702	-122.29175	Napa	2
38.29497	-122.30984	Napa	2
38.30538	-122.26868	Napa	2
38.34692	-122.32184	Napa	2
38.3209	-122.316	Napa	2
38.28399	-122.26881	Napa	2
38.3264	-122.3025	Napa	2
38.29048	-122.26935	Napa	2
38.30158	-122.29414	Napa	2
38.30864	-122.31487	Napa	2
38.31181	-122.29113	Napa	2
38.31249	-122.27382	Napa	2
38.33153	-122.30946	Napa	2
38.31381	-122.29384	Napa	2
38.30123	-122.27167	Napa	2
38.31464	-122.30832	Napa	2
38.33136	-122.30637	Napa	2
38.29587	-122.27148	Napa	2

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Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
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Gravity sewer
Gravity sewer
Building or structure;Gravity sewer;Manhole
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer;Manhole
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Gravity sewer
Lateral Clean Out (Public);Lower Lateral (Public)
Lateral Clean Out (Public);Lower Lateral (Public)
Lateral Clean Out (Public);Lower Lateral (Public)
Lateral Clean Out (Public);Lower Lateral (Public)
Lateral Clean Out (Public);Lower Lateral (Public)
Lateral Clean Out (Public);Lower Lateral (Public)
Lateral Clean Out (Public)
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Lateral Clean Out (Public)
Lateral Clean Out (Public)
Manhole
Lateral Clean Out (Public)
Gravity Mainline
Lateral Clean Out (Public)
Lateral Clean Out (Public)
Lateral Clean Out (Public)
Lateral Clean Out (Public)
Lateral Clean Out (Public)
Lateral Clean Out (Public)
Lower Lateral (Public)
Lateral Clean Out (Public)

District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral
District cleanout for lower lateral

District cleanout for lower lateral
District cleanout for lower lateral

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District cleanout for lower lateral
District cleanout for lower lateral

New manhole installed on existing mainline with small hole into pipe

Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Street/curb and gutter;Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Street/curb and gutter;Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Street/curb and gutter
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Street/curb and gutter
Unpaved surface
Unpaved surface
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Paved Surface
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Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Separate Storm Drain
Paved Surface
Paved Surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface

41416.33333	41416.35069	41416.36111	41416.36458
41416.49306	41416.5	41416.52083	41416.52431
41418.33333	41418.34861	41418.35417	41418.36458
41423.35417	41423.36806	41423.37847	41423.38194
41429.41667	41429.42431	41429.43056	41429.4375
41429.54167	41429.54931	41429.55556	41429.5625
41431.33333	41431.38194	41431.38889	41431.39583
41455.79167	41455.82569	41455.84514	41455.89167
41456.54167	41456.57083	41456.57986	41456.58333
41460.45833	41460.48611	41460.5	41460.50347
41460.77083	41460.79167	41460.80208	41460.80556
41466.72222	41466.74514	41466.75347	41466.76389
41461.64583	41461.6625	41461.67639	41461.68056
41462.72917	41462.74444	41462.76042	41462.76389
41478.29167	41478.34931	41478.38542	41478.39583
41484.36458	41484.37847	41484.42708	41484.4375
41487.91667	41487.93611	41487.94444	41487.96875
41488.54167	41488.57986	41488.59028	41488.59722
41498.43681	41498.45486	41498.45833	41498.46181
41498.52014	41498.53264	41498.67361	41498.67708
41500.35417	41500.36528	41500.375	41500.37847
41503.5	41503.53333	41503.59375	41503.60069
41505.85417	41505.87222	41505.88889	41505.89583
41506.35417	41506.38333	41506.44444	41506.45278
41508.29167	41508.31389	41508.32639	41508.33681
41509.66667	41509.69375	41509.72222	41509.72569
41510.39514	41510.41319	41510.45139	41510.46181
41512.29167	41512.32569	41512.35278	41512.35417
41521.4375	41521.45278	41521.46181	41521.5
41524.03125	41524.13403	41524.14583	41524.15625
41526.375	41526.38542	41526.39236	41526.39583
41526.75	41526.77014	41526.78125	41526.78472
41527.6875	41527.71736	41527.72222	41527.72569
41528.375	41528.40069	41528.41319	41528.42361
41532.64583	41532.66458	41532.68056	41532.68403
41535.7375	41535.74306	41535.75486	41535.75694
41544.41667	41544.42222	41544.4375	41544.44444
41544.45833	41544.48333	41544.48958	41544.49306
41545.52083	41545.55139	41545.57986	41545.59375
41547.33333	41547.34514	41547.36458	41547.375
41549.33333	41549.35417	41549.36458	41549.37153
41550.45833	41550.47847	41550.48958	41550.5
41555.75	41555.77708	41555.79583	41555.79861
41551.42014	41551.42292	41551.44097	41551.425
41556.5	41556.55694	41556.57083	41556.57083
41556.66667	41556.69931	41556.72222	41556.77083
41558.39583	41558.41528	41558.44306	41558.44444
41561.3125	41561.31736	41561.33889	41561.34375
41561.32292	41561.33194	41561.40278	41561.40972
41561.33333	41561.34792	41561.44444	41561.44792
41561.36111	41561.36944	41561.48264	41561.48958
41567.39583	41567.40139	41567.40625	41567.41319
41568.3875	41568.39722	41568.42014	41568.42708
41571.375	41571.38611	41571.41319	41571.41458

Pipe structural problem/failure
Root intrusion
Root intrusion
Root intrusion
Debri-Rags
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debri-General
Root intrusion
Other (specify below)
Root intrusion
Root intrusion
Root intrusion
Root intrusion
Debri-Rags
Debri-General
Root intrusion
Root intrusion
Root intrusion
Pipe structural problem/failure
Pipe structural problem/failure
Root Intrusion
Root Intrusion
Debris-General
Root Intrusion
Root Intrusion
Other (specify below)
Grease Deposition (FOG)
Root Intrusion
Grease Deposition (FOG)
Debris-Rags
Root Intrusion
Root Intrusion
Vandalism
Debris-General
Root Intrusion
Root Intrusion
Root Intrusion
Root Intrusion
Root Intrusion
Root Intrusion
Other (specify below)
Debris-General
Grease Deposition (FOG)
Root Intrusion
Root Intrusion
Root Intrusion
Root Intrusion
Root Intrusion
Debris-General
Root Intrusion
Debris-General

Pipe offset at coupling

Water installation contractor dug through sanitary sewer main in two places.

Secondary lateral not reinstated when main was replaced

Rocks thrown into cleanout by children

Contractor was flushing water lines into new manhole that did not have an adequat relief hole

Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Lower Lateral
Main
Lower Lateral
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Main
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Main
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Lower Lateral (Public)
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Lower Lateral (Public)
Manhole
Lower Lateral (Public)
Gravity Mainline
Lower Lateral (Public)
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Lower Lateral (Public)

	3	HDPE	25
	4	Clay	
	4	ACP	40
	4	Clay	60
	4	ACP	40
	4	Clay	65
	4	Clay	
	8	ACP	40
	4	Clay	
	4	ACP	45
	6	ACP	45
	4	Clay	
	4	Clay	
	4	ACP	50
	4	ACP	45
	4	Clay	
	4	Clay	
	4	Clay	
	4	Clay	
	4	CIP	
	6	Concrete	
	4	Clay	
No	4	Clay	
No	4	ACP	
No	4	Clay	
No	4	Clay	
No	4	ACP	
No	4	Clay	
No	4	ACP	
No	4	Clay	
No	3	HDPE	
No	4	ACP	
No		Clay	
No	4	CIP	
No	4	ACP	
No	4	Variable	
No	4	Clay	30
No	4	CIPP	
No	4	ACP	
No	4	ACP	
No	4	ACP	
No	4	ACP	45
No			
No		ACP	
No	6	Clay	
No		ACP	
No	4	ACP	
No	4	ACP	
No	4		
No	4	CIPP	
No	3	HDPE	
No	4	ACP	
No	4	Clay	

Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Inspected sewer using CCTV to determine cause;Restored flow;Returned all or portion of spill to sanitary sewer system
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R
Cleaned-up (mitigated effects of spill);Contained all or portion of spill;Inspected sewer using CCTV to determine cause;R

Used combination jetter/vacuum trucks to clean main and open obstuctions.

None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None
None

Area calculation
Area of wet soil
Area of saturated soil
Area of saturated soil
Visual
Area of saturated soil
Area of saturated soil
Area of saturated soil

Visual
Flow meter on water line
area calculation

Area of saturated soil
Area of saturated soil
Area of saturated soil
Area of saturated soil
Area of saturated soil
Area of saturated soil
Area of saturated soil
Area of saturated soil

Greg Dawson Collection Systems	7072586000
Greg Dawson Collection Systems	(707)258-6000
Greg Dawson Collection Systems	(707)258-6000 x525
Greg Dawson Collection Systems	(707)258-6000 x525
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Greg Dawson Collection Systems	(707)258-6000 x525
Greg Dawson Collection Systems	(707)258-6000 x525
Greg Dawson Collection Systems	(707)258-6000 x525
Greg Dawson Collection Systems Technician	(707)258-6000 x525
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Greg Dawson Collection Systems Technician	(707) 258-6000 x525

2SSO10159	Active	800692	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800693	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800699	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800866	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800868	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800869	Greg Dawson	Certified	Collection Systems Technician
2SSO10159	Active	800870	Greg Dawson	Certified	Collection Systems Technician

1515 Soscol Ferry Rd	685288	41590	41590
1515 Soscol Ferry Rd	785653	41590	41590
1515 Soscol Ferry Rd	595757	41590	41590
1515 Soscol Ferry Rd	693036	41597	41597
1515 Soscol Ferry Rd	448716	41597	41597
1515 Soscol Ferry Rd	519869	41597	41597
1515 Soscol Ferry Rd	403625	41597	41597

41590	41590	Category 3	3	3
41590	41590	Category 3	1	1
41590	41590	Category 3	5	5
41597	41597	Category 3	1	1
41597	41597	Category 3	1	1
41597	41597	Category 3	1	1
41597	41597	Category 3	5	5

3	0	No	No
1	0	No	No
5	0	No	No
1	0	No	No
1	0	No	No
1	0	No	No
5	0	No	No

Not Applicable - Spill did not reach a separate storm drainpipe	2298 THIRD ST NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	1531 MENLO AV NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	28 MONTECITO BV NAPA CA 94559
Not Applicable - Spill did not reach a separate storm drainpipe	4055 ENCINA DR NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	2531 VINTAGE CT NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	2104 LONE OAK AV NAPA CA 94558
Not Applicable - Spill did not reach a separate storm drainpipe	533 WESTGATE DR NAPA CA 94558

38.29649	-122.30038	Napa	2
38.31274	-122.30105	Napa	2
38.3019	-122.27133	Napa	2
38.34209	-122.32218	Napa	2
38.32629	-122.33273	Napa	2
38.30792	-122.309	Napa	2
38.35324	-122.25126	Napa	2

1
1
1
1
1
1
1

Lateral Clean Out (Public)
Lateral Clean Out (Public)
Manhole
Lateral Clean Out (Public)
Lateral Clean Out (Public)
Lower Lateral (Public)
Lateral Clean Out (Public)

Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Unpaved surface
Paved Surface;Street/Curb and Gutter

41575.3875	41575.39931	41575.40972	41575.42708
41576.625	41576.62847	41576.63542	41576.64583
41586.36111	41586.36528	41586.37153	41586.38194
41587.57222	41587.58403	41587.60417	41587.61111
41588.52778	41588.54583	41588.5625	41588.56944
41595.63889	41595.64792	41595.65833	41595.66667
41596.35764	41596.36667	41596.39583	41596.40278

Root Intrusion
Pipe Structural Problem/Failure
Debris-Rags
Root Intrusion
Debris-General
Root Intrusion
Root Intrusion

Lower Lateral (Public)
Lower Lateral (Public)
Manhole
Lower Lateral (Public)
Lower Lateral (Public)
Lower Lateral (Public)
Lower Lateral (Public)

No	4	Clay
No	4	
No		
No	4	ACP
No	4	ACP
No	4	Clay
No	4	ACP

Area of saturated soil
Area of saturated soil
Area of saturated soil
Area of saturated soil
Area of saturated soil
Area of saturated soil
area calculation times depth

Greg Dawson Collection Systems Technician	(707) 258-6000 x525
Greg Dawson Collection Systems Technician	(707) 258-6000 x525
Greg Dawson Collection Systems Technician	(707) 258-6000 x525
Greg Dawson Collection Systems Technician	(707) 258-6000 x525
Greg Dawson Collection Systems Technician	(707) 258-6000 x525
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