

SEWER SYSTEM MANAGEMENT PLAN AUDIT FOR THE CITY OF AGOURA HILLS



JUNE 19, 2014

**SEWER SYSTEM MANAGEMENT PLAN AUDIT FOR
THE CITY OF AGOURA HILLS
2007 THROUGH 2012**

- May 2, 2006 – State Water Resources Control Board adopted Statewide General Waste Discharge Requirements (WDRs).
- January 1, 2007 – Electronic reporting of Sanitary Sewer Overflows (SSO).
- July 28, 2009 – Sewer System Management Plan (SSMP) adopted by the City Council.
- July 2011 – First SSMP audit due and every two years thereafter per subsection D.13.x of the WDRs and Section 10.1 of the City's SSMP.
- July 28, 2014 – Due date for the recertification of the SSMP.

Elements of the SSMP

1. **Goals** – description of the City's SSMP goals.
2. **Organization** – description of the City's organizational structure.
3. **Legal Authority** – description of the City's legal rights, including codes and ordinances, to enforce the requirements of the WDRs.
4. **Operation and Maintenance Program** – outlines the City's maintenance schedule and methodology to ensure proper management and maintenance of sewer facilities.
5. **Design and Performance Provisions** – description of methods by which the City ensures that new and rehabilitated sewer facilities are properly designed and installed.
6. **Overflow Emergency Response Plan** – describes how the City responds to, reports, and documents SSO events within the City.
7. **Fat, Oil, and Grease (FOG) Control Program** – describes how the City prevents or minimizes the discharge of fats, oils, and grease into the sewer lines in an effort to minimize SSOs.
8. **System Evaluation and Capacity Assurance** – how the City ensures that adequate capacity is available for new and existing developments.
9. **Monitoring, Measurement, and Program Modifications** – details the City's program to continually monitor and assess the performance of each SSMP element in achieving the goals and objectives of the SSMP and updating them as necessary.
10. **SSMP Program Audit and Certification** – describes the City's plan to periodically assess the effectiveness of the SSMP in reducing SSOs.
11. **Communication Program** – summarizes the City's plan to ensure that stakeholders are aware of the City's SSMP.

PERFORMANCE MEASURES

Overflow Prevention/Collection System Maintenance

Performance Indicator		2007	2008	2009	2010	2011	2012
Input							
1	Total number of pump station condition assessments scheduled	N/A	N/A	N/A	0	0	1
2	Total miles of scheduled CCTV	0.00	0.00	0.00	29.79	0.00	0.00
3	Total miles of scheduled periodic cleaning	3.35	3.67	4.05	4.20	4.75	6.38
4	Total miles of scheduled cleaning (period and contract CCTV)	3.35	3.67	4.05	33.99	4.75	6.38
5	Total number of pump station inspections scheduled	104	104	104	104	104	104
6	Total number of manhole inspections scheduled	2,702	2,702	2,702	2,692	2,684	2,684
Workload/Output							
7	Total number of SSOs responded to in a 12-month period *	2	2	1	2	2	1
8	Total volume of SSOs	550	620	75	102	160	35
9	Total SSO response time	5.17	4.55	2.67	2.09	4.42	0.80
10	Total miles of sewer lines maintained	54.29	54.52	54.08	53.94	54.01	53.93
11	Total miles of scheduled periodic cleaning completed	0.91	5.51	4.21	6.03	5.94	4.37
12	Total number of pump stations maintained	1	1	1	1	1	1
13	Total number of pump station inspections completed	N/A	N/A	N/A	56	35	64
14	Total number of manhole inspections completed	2,702	2,702	2,702	2,692	2,684	2,684
15	Total SSOs > 1,000 gallons responded to	0	0	0	0	0	0
16	Total FOG-related SSOs responded to	0	1	1	1	0	0
17	Total root-related SSOs responded to	2	1	0	1	0	0
18	Total SSOs due to other causes (debris, vandalism, etc.)	0	0	0	0	2	1
19	Total number of capacity-related SSOs	0	0	0	0	0	0
20	Total number of SSOs due to pump station malfunction	0	0	0	0	0	0
21	Number of SSOs responded to within 2 hours or less	0	0	0	2	1	1
22	Total miles of scheduled CCTV completed	0.00	0.00	0.00	29.79	0.00	0.00
23	Total miles of scheduled cleaning completed	2.55	14.32	19.54	17.70	17.10	14.93
24	Total miles of CCTV completed (including contract CCTV)	0.00	0.34	0.00	59.94	0.26	0.32
25	Number of pump station condition assessments completed	N/A	N/A	N/A	0	0	0
26	Total miles of sewer lines cleaned (all including contract CCTV)	2.55	14.67	19.54	77.64	17.36	15.25
27	Total number of service requests responded to	5	5	6	7	11	4
Efficiency							
28	Number of SSOs per 100 miles of sewer lines	3.68	3.67	1.85	3.71	3.70	1.85
29	Volume of SSOs recovered	100	20	0	20	150	35
30	Number of SSOs that reached surface water	2	2	1	1	1	0
31	Average response time per SSO	2.59	2.28	2.67	1.05	2.21	0.80
32	Average number of SSOs per pump station	0	0	0	0	0	0
Effectiveness/Outcome							
33	Percentage of SSOs > 1,000 gallons	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
34	Percentage of SSOs captured	18.18%	3.23%	0.00%	19.61%	93.75%	100.00%
35	Percentage of SSOs due to FOG	0.00%	50.00%	100.00%	50.00%	0.00%	0.00%
36	Percentage of SSOs due to roots	100.00%	50.00%	0.00%	50.00%	0.00%	0.00%
37	Percentage of SSOs due to other causes	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
38	Percentage of SSOs that reached surface water	100.00%	100.00%	100.00%	50.00%	50.00%	0.00%
39	Percentage of SSOs with response time 2 hours or less	0.00%	0.00%	0.00%	100.00%	50.00%	100.00%
40	Percentage of manhole inspections completed	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
41	Percentage of scheduled CCTV completed	N/A	N/A	N/A	100.00%	N/A	N/A
42	Percentage of pump station condition assessments completed	N/A	N/A	N/A	0.00%	0.00%	0.00%
43	Percentage of pump station inspections completed	N/A	N/A	N/A	53.85%	33.65%	61.54%
44	Percentage of scheduled cleaning completed **	76.02%	390.28%	482.44%	52.07%	360.07%	234.02%
45	SSOs from house laterals not related to mainline sewer problems	0	0	0	0	0	0

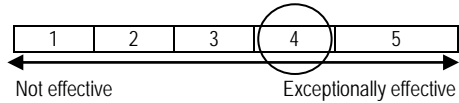
* Not including SSOs from house laterals

**All scheduled periodics were completed. The higher and/or less than 100 percent completion rate recorded could be attributed to the different sewer segment length determination methods used by field staff and office engineers (GIS), plus the fact that occasional adjustments in the frequencies of the periodics are not reflected in these numbers.

SEWER SYSTEM MANAGEMENT PLAN AUDIT

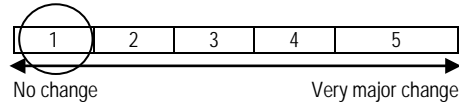
A. Goals and Objectives

To what extent, on a scale of 1 to 5, has the SSMP been effective in reducing SSOs in the City?



B. Organization

How would you describe the changes in the City's organizational structure on a scale from 1 to 5? Please specify.



C. Legal Authority

Give the year of adoption of the latest version of the following County Codes/Ordinances.

- 1) County Industrial Waste Ordinance
Date: 2002
- 2) City Municipal Code/County Plumbing Code
Date: 2010
- 3) City Municipal Code/County Building Code
Date: 2010

D. Operation and Maintenance Program

- 1) What was the actual expenditure on each of these elements of the City's/CSMD's O&M programs for the last four fiscal years?
 - (i) New Equipment Purchase
 - (ii) Capital Improvement – Accumulative Capital Outlay (ACO)
 - (iii) Travel and Training

	*2006-07	*2007-08	*2008-09	*2009-10	*2010-11	*2011-12
(i)	\$1,978,994	\$431,553	\$863,120	\$1,088,582	\$2,204,329	\$1,017,529
(ii)	\$1,733,282	\$4,315,279	\$3,128,645	\$2,867,469	\$1,930,968	\$3,161,726
(iii)	\$67,092	\$77,964	\$21,043	\$9,837	\$21,521.09	\$34,458

- 2) Expenditures/Revenues Data
 - (i) Total Budget Amount
 - (ii) Actual Expenditures on CCTV
 - (iii) Total O&M Expenditure
 - (iv) Sewer Service Charge Rates – Consolidated

(i)	\$35,539,000	\$39,673,000	\$40,872,000	\$46,940,000	\$52,085,000	\$48,820,000
(ii)	\$1,710,773	\$2,943,652	\$3,700,123	\$2,731,024	\$4,372,768	\$4,515,928
(iii)	\$20,357,384	\$24,057,390	\$24,683,502	\$26,711,684	\$29,476,378	\$28,378,489
(iv)	\$35.50	\$35.50	\$40.50	\$40.50	\$40.50	\$47.50

*Consolidated Sewer Maintenance District (CSMD) data.

E. Design and Performance Provision

- 1) What dollar amount of the City's/CSMD's expenditure went into:
 - (i) Sewer Plan Check
 - (ii) Construction Management and Inspection
 - (iii) Project Design
 *CSMD data

	*2006-07	*2007-08	*2008-09	*2009-10	*2010-11	*2011-12
(i)	\$191,928	\$163,030	\$179,868	\$161,081	\$157,844	\$182,388
(ii)	\$407,965	\$615,306	\$376,053	\$365,296	\$632,672	\$559,360
(iii)	\$277,871	\$319,285	\$308,832	\$420,918	\$486,729	\$268,179

- 2) Has there been any major change in the City's design standard?
If so, specify and indicate fiscal year in which it occurred?

Yes		No	✓
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F. Overflow Emergency Response Plan

- 1) Total number of SSOs (private lateral SSOs not included).
- 2) Percentage responded to within 2 hours.

	2007	2008	2009	2010	2011	2012
1)	2	2	1	2	2	1
2)	0.00%	0.00%	0.00%	100.00%	50.00%	100.00%

G. Fat, Oil, and Grease (FOG) Control Program

- 1) Was an annual report with information on FOG published and/or mailed out to the City's property owners?
- 2) What was the percentage of SSOs due to:
 - (i) FOG
 - (ii) Roots
 - (iii) Other Causes
- 3) What was the total volume (gal) of SSOs that reached surface water?

Yes	✓	No	
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2007	2008	2009	2010	2011	2012
0.00%	50.00%	100.00%	50.00%	0.00%	0.00%
100.00%	50.00%	0.00%	50.00%	0.00%	0.00%
0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
450	600	75	62	10	0

H. System Evaluation and Capacity Assurance

- 1) What is the total length (ft) of sewer lines rehabilitated by lining or reconstructed?
- 2) What percentage of televised sewer lines was rated as being in severely deteriorated structural condition?
- 3) What percentage of SSOs was due to a sewer capacity issue?

2007	2008	2009	2010	2011	2012
0	0	0	406	1 pump station	0
0	0	0	0.8%	0	0
0	0	0	0	0	0

I. Monitoring, Measurement, and Program Modifications

- 1) When was the last audit certified?
- 2) Were any deficiencies identified?
- 3) If answer to 2 is yes, were all the deficiencies corrected?
*If no, please elaborate in Section L.

N/A			
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Yes	✓	No	
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Yes	✓	*No	
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J. SSMP Program Audit and Certification

- 1) What was the overall effectiveness rating of the last audit? N/A
- 2) What is the overall effectiveness rating of this audit?

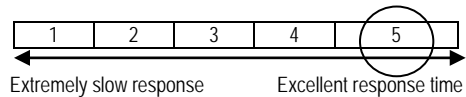
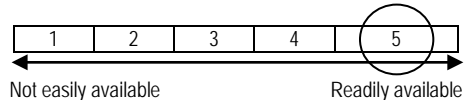
1	2	3	4	5
Poor	Fair	Good	Very Good	Excellent

1	2	3	4	5
Poor	Fair	Good	Very Good	Excellent

K. Communication Program

- 1) List all communication methods utilized in disseminating information on FOG to stakeholders with implementation dates. (Done by the County)
- 2) To what extent is the County's emergency telephone number readily available to the City and the City's residents on a scale of 1 to 5?
- 3) How responsive is the County (local sewer service provider) in responding to the City's and/or residents' sewer issues on a scale of 1 to 5?

✓	Method	Date Last Implemented
	Annual Report	2013
✓	Door Hangers	Ongoing
✓	Internet	2013
✓	EPD/CSD Posters	Ongoing



L. List of identified deficiencies and planned corrective actions, if any.

The City of Agoura Hills did not conduct an audit of its SSMP in 2011 as stipulated in the WDRs. Therefore, this audit covers the period from 2007, when the City started reporting SSOs into the California Integrated Water Quality System, to 2012. In 2015 and approximately every two years thereafter, an audit of the City's SSMP shall be conducted in accordance with the current WDRs.

As of December 31, 2013, the CSMD has completed the interior inspection of approximately 35 miles (66 percent) of the gravity sewer system within the City by CCTV camera to evaluate the physical condition of the pipes. This is part of the ongoing efforts by the CSMD to identify and correct any structural or maintenance deficiencies in the sewer system.

From the first inspection project, it was determined that 2 segments of sewer pipe, approximately 400 feet in length, required rehabilitation by the installation of a pipe lining material. These sewer segments have been lined as part of the CSMD's ACO Program to rehabilitate sewer pipes as a result of structural deficiencies and was completed on February 8, 2011. The second inspection project revealed that 2 sewer pipes, approximately 450 linear feet, had structural deficiencies that required the installation of the same pipe lining material. These sewer pipes will be included in an ACO Program rehabilitation project to be performed in the summer of 2015.

Furthermore, 2 additional segments were rehabilitated with the installation of sectional liners to address isolated structural defects. The final CCTV inspection project, which includes the remaining 18 miles of sewer pipelines will be completed by the end of 2014. Any sewer segments identified as requiring rehabilitation will be included in a future ACO Program project.

On February 8, 2012, the CSMD also completed a pump station abandonment project.

There were no sewer capacity issues identified in the City's system during this audit period.

M. Comments

The City/Sewer Maintenance Districts (SMDs) SSMP has been very effective in keeping the number and total volume of SSOs in the City significantly below the Statewide median.

There were also very few citizen complaints during the same period.

The SSMP with associated programs, based on all categories of performance indicators shown on page 2, seem to have significantly enhanced the City's sewer collection system management and operations.

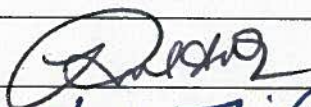
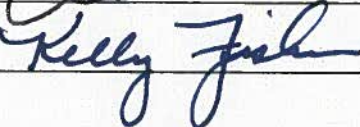
N. CERTIFICATION

We, the undersigned, do hereby certify that information contained in this audit report is to the best of our knowledge true.

Name (s)	Position	Signature	Date
County of Los Angeles Department of Public Works			
Nicholas A. Agbobu,	Senior Civil Engineer		
City of Agoura Hills			
Ramiro Adeva,	Director of Public Works/City Engineer		
Kelly Fisher,	Public Works Project Manager		

N. CERTIFICATION

We, the undersigned, do hereby certify that information contained in this audit report is to the best of our knowledge true.

Name (s)	Position	Signature	Date
County of Los Angeles Department of Public Works			
Nicholas A. Agbobu, Senior Civil Engineer			
City of Agoura Hills			
Ramiro Adeva, Director of Public Works/City Engineer			7/17/14
Kelly Fisher, Public Works Project Manager			7-17-14

ENCLOSURE A
Yearly SSO
Worksheet

YEARLY SSO WORKSHEET

Year 2007

SSO No.	Total Volume	Volume Recovered	Volume Reach Surface Water (gallons)	Response Time (hours)	Cause of SSO	
	1	150	100	50	2.5	Roots
	2	400	0	400	2.67	Roots
TOTAL	2	550	100	450	5.17	2 - roots

Year 2008

SSO No.	Total Volume	Volume Recovered	Volume Reach Surface Water (gallons)	Response Time (hours)	Cause of SSO	
	1	120	20	100	2.13	Roots
	2	500	0	500	2.42	FOG
TOTAL	2	620	20	600	4.55	1-roots, 1-FOG

Year 2009

SSO No.	Total Volume	Volume Recovered	Volume Reach Surface Water (gallons)	Response Time (hours)	Cause of SSO	
	1	75	0	75	2.67	FOG
TOTAL	1	75	0	75	2.67	FOG

Year 2010

SSO No.	Total Volume	Volume Recovered	Volume Reach Surface Water (gallons)	Response Time (hours)	Cause of SSO	
	1	20	0	0	0.17	Roots
	2	82	20	62	1.92	FOG
TOTAL	2	102	20	62	2.09	1-roots, 1-FOG

Year 2011

SSO No.	Total Volume	Volume Recovered	Volume Reach Surface Water (gallons)	Response Time (hours)	Cause of SSO	
	1	10	0	10	1.67	Other
	2	150	150	0	2.75	Other
TOTAL	2	160	150	10	4.42	2- others

Year 2012

SSO No.	Total Volume	Volume Recovered	Volume Reach Surface Water (gallons)	Response Time (hours)	Cause of SSO	
	1	35	35	0	0.8	Roots and Rags
TOTAL	1	35	35	0	0.8	1 - roots and rags

ENCLOSURE B
Performance Measures Worksheet

PERFORMANCE MEASURES INSTRUCTIONS FOR SSMP AUDIT

Workload/Performance Indicator		Data Source/ Calculation
Input		
1	Total number of pump station condition assessments scheduled	Pump Station Condition Assessment scheduled (Enclosure E)
2	Total miles of scheduled CCTV	Condition Assessment Unit Report (Enclosures E and F)
3	Total miles of scheduled periodic cleaning	MMS report (Enclosure C)
4	Total miles of scheduled cleaning (periodic and contract CCTV)	Row 2 + Row 3
5	Total number of pump station inspections scheduled	# of Pump Station x 104 (sewer facilities summary sheet) (Enclosure I)
6	Total number of manhole inspections scheduled	# of Manholes x 2 (sewer facilities summary sheet) (Enclosure I)
Workload/Output		
7	Total number of SSOs responded to in a 12-month period *	Enclosure A and H
8	Total volume of SSOs	Enclosure A
9	Total SSO response time (in hours)	Enclosure A
10	Total miles of sewer lines maintained	Sewer facilities summary sheet (Enclosure I)
11	Total miles of scheduled periodic cleaning completed	SMD Productivity Report (Enclosure G)
12	Total number of pump stations maintained	Sewer facilities summary sheet (Enclosure I)
13	Total number of pump station inspections completed	SMD Productivity Report (Enclosure G)
14	Total number of manhole inspections completed	SMD Productivity Report (Enclosure G)
15	Total SSOs >1,000 gallons responded to	Enclosure A
16	Total FOG-related SSOs responded to	Enclosure A
17	Total root-related SSOs responded to	Enclosure A
18	Total SSOs due to other causes (debris, vandalism, etc.)	Enclosure A
19	Total number of capacity-related SSOs	Enclosure A
20	Total number of SSOs due to pump station malfunction	Enclosure A
21	Number of SSOs responded to within 2 hours or less	Enclosure A
22	Total miles of scheduled CCTV completed	CAU (Enclosures F)
23	Total miles of scheduled cleaning completed	Row 11 + Row 22
24	Total miles of CCTV completed (including contract CCTV)	SMD Productivity Report
25	Number of pump station condition assessments completed	To be provided by CSMD
26	Total miles of sewer lines cleaned (all including contract CCTV)	SMD Productivity Report (Hydro + Mechanical + Televising) (Enclosure G)
27	Total number of service requests responded to	SMD Productivity Report (excluding false alarms) (Enclosure G)
Efficiency		
28	Number of SSOs per 100 miles of sewer lines	Column 3 of SSO Report (Enclosure H)
29	Volume of SSOs recovered	Enclosure A
30	Number of SSOs that reached surface water	Enclosure A
31	Average response time per SSO	Row 9 / Row 7
32	Average number of SSOs per pump station	Row 20 / Row 12
Effectiveness/Outcome		
33	Percentage of SSOs > 1,000 gallons	Row 15 / Row 7 x 100
34	Percentage of SSOs captured	Row 29 / Row 8 x 100
35	Percentage of SSOs due to FOG	Row 16 / Row 7 x 100
36	Percentage of SSOs due to roots	Row 17 / Row 7 x 100
37	Percentage of SSOs due to other causes	100% - (Row 35 + Row 36)
38	Percentage of SSOs that reached surface water	Row 30 / Row 7 x 100
39	Percentage of SSOs with response time 2 hours or less	Row 21 / Row 7 x 100
40	Percentage of manhole inspections completed	Row 14 / Row 6 x 100
41	Percentage of scheduled CCTV completed	Row 22 / Row 2 x 100
42	Percentage of pump station condition assessments completed	Row 25 / Row 1 x 100
43	Percentage of pump station inspections completed	Row 13 / Row 5 x 100
44	Percentage of scheduled cleaning completed	Row 23 / Row 4 x 100
45	SSOs from house laterals not related to mainline sewer problems	Column 16 - Column 17 of SSO Report (Enclosure H)

*Not including SSOs from house laterals.

**All scheduled periodics were completed. The higher than 100 and/or less than 100 percent completion rate recorded could be attributed to the different sewer segment length determination methods used by field staff and office engineers (GIS), plus the fact that occasional adjustments in the frequencies of the periodics are not reflected in these numbers.

ENCLOSURE C
Maintenance Management System
Periodics Report Summary

Periodics Report for the City of Agoura Hills

2007 - 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	2007	2008	2009	2010	2011	2012
PM S08S00024										
SPH : Sewer Siphon No. 1 on Mapsheet No. 1091 : MH #59 to #6	0059/1091-0060/1091	60 DAYS	3/1/2001	80	480	480	480	480	480	480
	Summary for 'PM' = S08S00024									
PM S09N00419										
HYDRO PERIODIC: C-1090, FOOTHILL DR, FROM MH 384-385	0384/1090-0385/1090	60 DAYS	7/28/2010	198			594	1,188	1,188	1,188
	Summary for 'PM' = S09N00419									
PM S09N00444										
HYDRO PERIODIC: C-1065, LAKE LINDERO DR, FROM MH 73-79	0073/1065-0079/1065	30 DAYS	9/3/2011	307				1,228	3,684	3,684
	Summary for 'PM' = S09N00444									
PM S09N00446										
HYDRO PERIODIC: C-1090, VALLEY HEIGHTS DR, FROM MH 237-	0237/1090-0238/1090	30 DAYS	1/28/2012	266					3,192	3,192
	Summary for 'PM' = S09N00446									
PM S09S00006										
H: Mapsheet No. 1090 - Calmfield Ave : MH #147 to #150 (3 MH	0149/1090-0150/1090	90 DAYS	1/1/1998	236	944	944	944	944	944	944
H: Mapsheet No. 1090 - Calmfield Ave : MH #147 to #150 (3 MH	0147/1090-0149/1090	90 DAYS	1/1/1998	250	1,000	1,000	1,000	1,000	1,000	1,000
	Summary for 'PM' = S09S00006									
PM S09S00007										
H: Mapsheet No. 1091 - R/w E/o Cornell Rd : MH #21 to #23 (3	0022/1091-TRNK/1091	90 DAYS	1/1/1998	289	1,156	1,156	1,156	1,156	1,156	1,156
H: Mapsheet No. 1091 - R/w E/o Cornell Rd : MH #21 to #23 (3	0021/1091-0022/1091	90 DAYS	1/1/1998	289	1,156	1,156	1,156	1,156	1,156	1,156
	Summary for 'PM' = S09S00007									
PM S09S00008										
H: Mapsheet No. 1091 - S/s Agoura Rd : MH #155 to #154 (2 M	0154/1091-0155/1091	90 DAYS	1/1/1998	92	368	368	368	368	368	368
	Summary for 'PM' = S09S00008									

Periodics Report for the City of Agoura Hills

2007 - 2012

DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	2007	2008	2009	2010	2011	2012
PM S09S00609										
H: Mapsheet No.1090 - Acadia Ave : MH #69 to #71 (3 MH 375')	0070/1090-0071/1090	90 DAYS	8/20/2001	52	208	208	208	208	208	208
H: Mapsheet No.1090 - Acadia Ave : MH #69 to #71 (3 MH 375')	0069/1090-0070/1090	90 DAYS	8/20/2001	279	1,116	1,116	1,116	1,116	1,116	1,116
	Summary for 'PM' = S09S00609									
				331	1,324	1,324	1,324	1,324	1,324	1,324
PM S09S00638										
H: Mapsheet No. 1090 - Calmfield Ave: MH #172 to #168 (4 MH	0170/1090-0171/1090	60 DAYS	8/20/2001	97	582	582	582	582	582	582
H: Mapsheet No. 1090 - Calmfield Ave: MH #172 to #168 (4 MH	0168/1090-0170/1090	60 DAYS	8/20/2001	155	930	930	930	930	930	930
H: Mapsheet No. 1090 - Calmfield Ave: MH #172 to #168 (4 MH	0171/1090-0172/1090	60 DAYS	8/20/2001	172	1,032	1,032	1,032	1,032	1,032	1,032
	Summary for 'PM' = S09S00638									
				424	2,544	2,544	2,544	2,544	2,544	2,544
PM S09S00714										
H: Mapsheet No. 1065 - Rainbow View Drive: MH #179 to #348 (	0346/1065-0347/1065	120 DAY	8/23/2001	95	285	285	285	285	285	285
H: Mapsheet No. 1065 - Rainbow View Drive: MH #179 to #348 (	0347/1065-0348/1065	120 DAY	8/23/2001	107	321	321	321	321	321	321
H: Mapsheet No. 1065 - Rainbow View Drive: MH #179 to #348 (	0184/1065-0346/1065	120 DAY	8/23/2001	91	273	273	273	273	273	273
H: Mapsheet No. 1065 - Rainbow View Drive: MH #179 to #348 (	0180/1065-0181/1065	120 DAY	8/23/2001	282	846	846	846	846	846	846
H: Mapsheet No. 1065 - Rainbow View Drive: MH #179 to #348 (	0181/1065-0182/1065	120 DAY	8/23/2001	313	939	939	939	939	939	939
H: Mapsheet No. 1065 - Rainbow View Drive: MH #179 to #348 (	0183/1065-0184/1065	120 DAY	8/23/2001	106	318	318	318	318	318	318
H: Mapsheet No. 1065 - Rainbow View Drive: MH #179 to #348 (	0179/1065-0180/1065	120 DAY	8/23/2001	290	870	870	870	870	870	870
H: Mapsheet No. 1065 - Rainbow View Drive: MH #179 to #348 (	0182/1065-0183/1065	120 DAY	8/23/2001	308	924	924	924	924	924	924
	Summary for 'PM' = S09S00714									
				1,592	4,776	4,776	4,776	4,776	4,776	4,776
PM S10N00221										
R: Mapsheet No. 1091 - Laura La Plante Dr : MH #52 to #54 (3	0053/1091-0054/1091	60 DAYS	6/1/2011	109					436	654
R: Mapsheet No. 1091 - Laura La Plante Dr : MH #52 to #54 (3	0052/1091-0053/1091	60 DAYS	6/1/2011	161					644	966
	Summary for 'PM' = S10N00221									
				270					1,080	1,620
PM S10N00254										
RODDER PERIODIC:C-1090, DRAGAN ST FROM MH 85 TO MH 75	0075/1090-0085/1090	30 DAYS	2/25/2009	181			1,991	2,172	2,172	2,172
	Summary for 'PM' = S10N00254									
				181			1,991	2,172	2,172	2,172

Periodics Report for the City of Agoura Hills

2007 - 2012

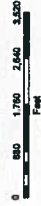
DESCRIPTION	PIPE_LOCN	DAYS MONTHS	START YEAR	PIPE LENGTH	2007	2008	2009	2010	2011	2012
PM S10N00405										
RODDER PERIODIC: C-1065, R/W N/O CANWOOD ST, FROM MH	0027/1066-0049/1065	60 DAYS	4/21/2012	345						1,725
RODDER PERIODIC: C-1065, R/W N/O CANWOOD ST, FROM MH	0049/1065-0050/1065	60 DAYS	4/21/2012	148						740
Summary for 'PM' = S10N00405					493					2,465
PM S10S00767										
R: Mapsheet No.1090 - R/w S/o Hillrise Dr : MH #219 to #222 (2	0219/1090-0222/1090	120 DAY	1/1/2005	160	480	480	480	480	480	480
Summary for 'PM' = S10S00767					160	480	480	480	480	480
PM S10S00771										
R: Mapsheet No. 1065 - R/w W/o Reyes Adobe Rd : MH #54 to C	0027/1066-0049/1065	60 DAYS	5/4/2007	345	1,380	2,070	2,070	2,070	2,070	2,070
R: Mapsheet No. 1065 - R/w W/o Reyes Adobe Rd : MH #54 to C	0051/1065-0054/1065	60 DAYS	5/4/2007	267	1,068	1,602	1,602	1,602	1,602	1,602
R: Mapsheet No. 1065 - R/w W/o Reyes Adobe Rd : MH #54 to C	0049/1065-0050/1065	60 DAYS	5/4/2007	148	592	888	888	888	888	888
R: Mapsheet No. 1065 - R/w W/o Reyes Adobe Rd : MH #54 to C	0050/1065-0051/1065	60 DAYS	5/4/2007	100	400	600	600	600	600	600
Summary for 'PM' = S10S00771					860	3,440	5,160	5,160	5,160	5,160

Total Pipe Length (ft): 6,318 (1.20 miles)

Grand Total (ft):	17,668	19,388	21,379	22,154	25,056	33,709
Grand Total (mile):	3.35	3.67	4.05	4.20	4.75	6.38
Sewers (count):	24	24	25	26	29	29

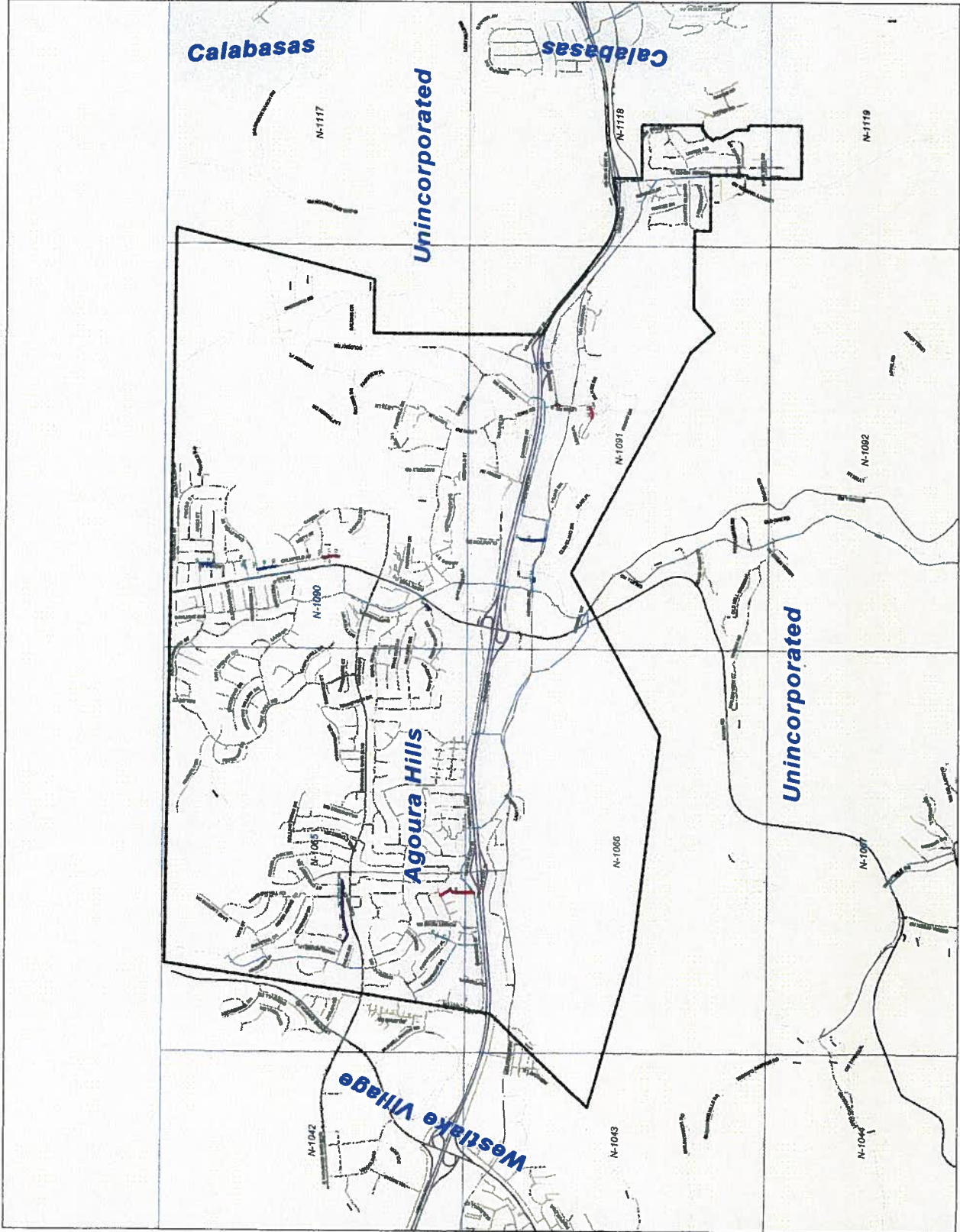
ENCLOSURE D
Map of Hot Spots

Maintenance Map Periodics City of Agoura Hills



Legend

- Periodics**
- 30 DAYS
 - 60 DAYS
 - 90 DAYS
 - 120 DAYS
 - 180 DAYS
 - 180 DAYS
 - 12 MONTHS
 - 15 MONTHS
 - 18 MONTHS
- SMD Manholes**
- Standard
 - DROP
 - Shallow
 - Trap
 - Siphon
- SMD Pump Stations**
- SMD Pump Stations
- SMD Sewers**
- Gravity Sewers
 - Force Mains
 - Siphons
 - SMD Trunk MH
 - SMD Trunks
- Cities**
- SMD Operations Maps



ENCLOSURE E
Pump Station Condition
Assessment Work

**PUMP STATION CONDITION ASSESSMENT WORK FOR
THE CITY OF AGOURA HILLS**

Year	Scheduled	Completed
2007	N/A	N/A
2008	N/A	N/A
2009	N/A	N/A
2010	0	0
2011	0	0
2012	1	0
Total	1	0

ENCLOSURE F
CCTV Inspection Report and ACO
Projects

**CCTV INSPECTION REPORT FOR
THE CITY OF AGOURA HILLS**

Years	Miles Scheduled	Miles Completed	% Significant Defects (Rated 5)
2007	0.00	0.00	0.00
2008	0.00	0.00	0.00
2009	0.00	0.00	0.00
2010	29.79	29.79	0.8
2011	0.00	0.00	0.00
2012	0.00	0.00	0.00
Total	29.79	29.79	0.80

**SEWER CONDITION ASSESSMENT
ACO PROJECTS FOR
THE CITY OF AGOURA HILLS**

Year	Length of Sewer Lines Rehabilitated (feet)
2007	N/A
2008	N/A
2009	N/A
2010	406
2011	1 (Pump Station)
2012	0

ENCLOSURE G
Productivity Report

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM - DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2007
CITY OF AGOURA HILLS**

Total Pipe Length (feet) as of December 31, 2007: 287,844

Total Manholes as of December 31, 2007: 1,351

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 8,434
 - Periodic Cleaning (feet): 4,103
- Mechanically Rodded (feet): 5,012
 - Periodic Cleaning (feet): 700

Manholes

- Inspected: 2,702
- Adjusted: 6

SERVICE REQUESTS

Responded to:

- Stoppages: 0
- Overflows: 2
- Floodouts: 0
- Roach complaints: 0
- Misc.: 0
- Other: 2
- False Alarms: 1
- Service Requests Responded to: 5

TELEVISIONING

Feet Televised: 0

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 0

PUMP STATIONS

Total Number of Pump Stations: 1
Total Routine Maintenance/Repair: N/A
Total Major Repairs: N/A
Total Emergency Response: N/A

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 0

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM - DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2008
CITY OF AGOURA HILLS**

Total Pipe Length (feet) as of December 31, 2008: 287,844

Total Manholes as of December 31, 2008: 1,351

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 56,542
 - Periodic Cleaning (feet): 20,020
- Mechanically Rodded (feet): 19,084
 - Periodic Cleaning (feet): 9,098

Manholes

- Inspected: 2,702
- Adjusted: 25

SERVICE REQUESTS

Responded to:

- Stoppages: 0
- Overflows: 2
- Floodouts: 0
- Roach Complaints: 0
- Misc.: 1
- Other: 1
- False Alarms: 5
- Service Requests Responded to: 5

TELEVISION

Feet Televised: 1,808

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 1

PUMP STATIONS

Total Number of Pump Stations: 1
Total Routine Maintenance/Repair: N/A
Total Major Repairs: N/A
Total Emergency Response: N/A

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 1

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM - DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2009
CITY OF AGOURA HILLS**

Total Pipe Length (feet) as of December 31, 2009: 285,547

Total Manholes as of December 31, 2009: 1,351

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 48,050
 - Periodic Cleaning (feet): 15,538
- Mechanically Rodded (feet): 55,116
 - Periodic Cleaning (feet): 6,710

Manholes

- Inspected: 2,702
- Adjusted: 3

SERVICE REQUESTS

Responded to:

- Stoppages: 0
- Overflows: 1
- Floodouts: 0
- Roach complaints: 0
- Misc.: 0
- Other: 1
- False Alarms: 4
- Service Requests Responded to: 6

TELEVISION

Feet Televised: 0

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 1

PUMP STATIONS

Total Number of Pump Stations: 1
Total Routine Maintenance/Repair: N/A
Total Major Repairs: N/A
Total Emergency Response: N/A

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 3

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM - DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2010
CITY OF AGOURA HILLS**

Total Pipe Length (feet) as of December 31, 2010: 284,793

Total manholes as of December 31, 2010: 1,346

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 55,433
 - Periodic Cleaning (feet): 22,678
- Mechanically Rodded (feet): 38,019
 - Periodic Cleaning (feet): 9,150

Manholes

- Inspected: 2,692
- Adjusted: 4

SERVICE REQUESTS

Responded to:

- Stoppages: 0
- Overflows: 2
- Floodouts: 0
- Roach Complaints: 0
- Misc.: 0
- Other: 0
- False Alarms: 2
- Service Requests Responded to: 7

TELEVISIONING

Feet Televised: 159,197

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 1

PUMP STATIONS

Total Number of Pump Stations: 1
Total Routine Maintenance/Repair: 56
Total Major Repairs: 6
Total Emergency Response: 1

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 1

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM - DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2011
CITY OF AGOURA HILLS**

Total Pipe Length (feet) as of December 31, 2011: 285,198

Total manholes as of December 31, 2011: 1,342

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 62,606
 - Periodic Cleaning (feet): 24,809
- Mechanically Rodded (feet): 27,700
 - Periodic Cleaning (feet): 6,550

Manholes

- Inspected: 2,684
- Adjusted: 7

SERVICE REQUESTS

Responded to:

- Stoppages: 1
- Overflows: 2
- Floodouts: 0
- Roach Complaints: 0
- Misc.: 1
- Other: 2
- False Alarms: 6
- Service Requests Responded to: 11

TELEVISIONING

Feet Televised: 1,371

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 4

PUMP STATIONS

Total Number of Pump Stations: 1

Total Routine Maintenance/Repair: 35

Total Major Repairs: 0

Total Emergency Response: 0

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 2

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM - DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2012
CITY OF AGOURA HILLS**

Total Pipe Length (feet) as of December 31, 2012: 284,749

Total Manholes as of December 31, 2012: 1,342

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 54,252
 - Periodic Cleaning (feet): 18,947
- Mechanically Rodded (feet): 24,581
 - Periodic Cleaning (feet): 4,120

Manholes

- Inspected: 2,684
- Adjusted: 17

SERVICE REQUESTS

Responded to:

- Stoppages: 0
- Overflows: 1
- Floodouts: 0
- Roach Complaints: 0
- Misc.: 0
- Other: 0
- False Alarms: 3
- Service Requests Responded to: 4

TELEVISIONING

Feet Televised: 1,691

ROOT CONTROL

Sewer Pipe Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 0

PUMP STATIONS

Total Number of Pump Stations: 1
Total Routine Maintenance/Repair: 64
Total Major Repairs: 6
Total Emergency Response: 4

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 0

ENCLOSURE H
SSO Report

SSO REPORT FOR THE CITY OF AGOURA HILLS

Years	Pipe Length (mi)	SSOs/100 mi													SSOs Total	*CSMD SSOs Total	
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec			
2007	54.3	3.68			1	1										2	2
2008	54.5	3.67				1								1		2	2
2009	54.08	1.85	1													1	1
2010	53.94	3.71	1					1								2	2
2011	54.01	3.7								1				1		2	2
2012	53.93	1.85		1												1	1
Total			2	1	1	2	1			1				2		10	10

* Excludes private lateral SSOs

ENCLOSURE I
Facilities Maintained by the CSMD

FACILITIES MAINTAINED BY THE CSMD FOR THE CITY OF AGOURA HILLS

Years	Pipe Length (mi)	Manholes	Pump Stations
2007	54.29	1,346	1
2008	54.52	1,351	1
2009	54.08	1,351	1
2010	53.94	1,346	1
2011	54.01	1,342	1
2012	53.93	1,342	1

ENCLOSURE J
**California Integrated Water Quality
System Certified SSO Reports**



California Integrated Water Quality System Project (CIWQS)

Spill Public Report – Summary Page

Here is the summary page with the results of your spill public report search. These results correspond to the following search criteria:

SEARCH CRITERIA: [REFINE SEARCH](#)

- City (agoura hills)
- Spill Type (sso_cat1_2_3)
- Start Date (01/01/2007)
- End Date (12/31/2012)

Please see the [Glossary of Terms](#) for explanations of the search results column headings. [More information about the report is found at the bottom of this page.](#)

Note: For the "Collection System Performance Report" column, the Performance report will only show the most recent 12 months of data if in the original SSO Interactive Report search the date range was not specified.

[VIEW PRINTER FRIENDLY VERSION](#)

[EXPORT THIS REPORT TO EXCEL](#)

[EXPORT ALL SPILL DETAILS TO EXCEL](#)

Region	Responsible Agency	Collection System	Total Number of SSO locations	Total Vol of SSOs (gal)	Total Vol Recover (gal)	Total Vol Reach Surface Water	Percent Recover	Percent Reach Surface Water	Miles Pressure Sewer	Miles Gravity Sewer	Miles of Laterals	WDID	Collection System Performance Report
4	Agoura Hills City	Agoura Hills CS	10	1,542	325	1,197	21	77	0.1	54.0	0.0	4SSO11366	Operational Performance
			10	1,542	325	1,197			0.1	54.0	0.0		

Each individual SSO report contains the data related to one specific location where sewage discharged from the sanitary sewer system due to a failure (e.g., sewer pipe blockage or pump failure). A single failure within a sanitary sewer system can result in multiple sewage discharge locations and, thus, multiple SSO reports. For example, a lift station power failure can result in sewage being discharged from numerous manholes. In this example, a SSO report would be submitted for each manhole that discharged sewage with all reports sharing the same failure or cause data.

It is important to review SSO reports in detail to determine if individual sewage discharge locations share a common underlying failure or cause when assessing the performance of Enrollees and their sanitary sewer systems through SSO events. This is because it is the failures that are the ultimate problem which the Enrollees should be making all reasonable efforts to prevent.

The search results below present summary data for all sewage discharge locations, as submitted through individual SSO reports, which meet the search criteria selected. To determine if SSO reports relate to a common failure within the sanitary sewer system, the SSO reports should be reviewed in detail by selecting the specific "agency" or "collection sys" name from the table below.

The "agency", or Enrollee, listed on a SSO report is responsible for the sewage discharge described and should be contacted directly for questions related to that incident.

The current report was generated with real-time data entered by Enrollees.

[Back to Main Page](#) | [Back to Top of Page](#)

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SSO - General Information

SSO Event ID:	647737	Regional Water Board:	4
Spill Location Name:	1065-0049	Agency:	Agoura Hills City
WDID:	4SSO11366	Sanitary Sewer System:	Agoura Hills CS

General Info

[Glossary of Terms](#)

[Locate the spill on map](#)

Certified by Nicholas Agbobu on 2007-03-07 00:00:00.0

1 - Spill Type: Category 1

2 - Estimate Spill Volumes

- a) Estimated spill volume that reached a separate storm drain that flows to a surface water body? 0
- b) Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up) 0
- c) Estimated spill volume that reached a drainage channel that flows to a surface water body? 0
- d) Estimated spill volume recovered from a drainage channel that flows to a surface water body? 0
- e) Estimated spill volume discharged directly to a surface water body? 0
- f) Estimated spill volume recovered from surface water body? 0
- g) Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.) 0
- h) Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up) 0

Estimated Total spill volume Reach Surface Water (a-b+c+e)	Estimated Total spill volume Reach Land (g)	Estimated Total spill volume Recovered (b+d+f+h)	Estimated Total spill volume (a+c+e+g)
50	0	100	150

3 - Did the spill discharge to a drainage channel and/or surface water? Yes

4 - Did the spill reach a separate (i.e.,not combined) storm drainpipe? Yes

5 - If spill reached to a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system? No

Physical Location Details

- 6 - Spill location name: 1065-0049
- 7 - Latitude of spill location: 34.148143833
- 8 - Longitude of spill location: 118.783017186

9 - County:	Los Angeles
10 - Regional Water Quality Control Board:	4
11 - Spill location description:	CSMD Map Sheet 1065 Manhole 49 MMS No. 2669359
Spill Details	
12 - Number Of appearance points:	null
13 - Spill appearance point:	Manhole
14 - Spill appearance point explanation:	
15 - Final spill destination:	Other (specify below)
16 - Explanation of final spill destination:	Entered storm drain (PD 1376) outletting into a natural drainage course.
17 - Estimated spill start date/time:	2007-03-04 11:00:00.0
18 - Date and time sanitary sewer system agency was notified of or discovered spill:	2007-03-04 11:00:00.0
19 - Estimated Operator arrival date/time:	2007-03-04 13:30:00.0
20 - Estimated spill end date/time:	2007-03-04 13:45:00.0
21 - Spill cause:	Root intrusion
22 - Spill cause explanation:	
23 - Where did failure occur?	
24 - Explanation of Where failure occurred:	
25 - Was this spill associated with a storm event?	null
26 - Diameter of sewer pipe at the point of blockage or failure:	0
27 - Material of sewer pipe at the point of blockage or failure:	
28 - Estimated age of sewer asset at the point of blockage or failure:	0
29 - Spill response activities:	Cleaned-up (mitigated effects of spill); Contained all or portion of spill; Restored flow
30 - Explanation of spill response activities:	We rodded the mainline to break down a root stoppage. The spill was contained, vacuumed and returned to the system.
31 - Spill response completion date:	2007-03-04 14:45:00.0
32 - Spill corrective action taken:	Added sewer to preventive maintenance program
33 - Explanation of spill corrective action taken:	NA
34a - Is there an ongoing investigation?	No
34b - Reason for ongoing investigation?	
35 - Visual inspection results from impacted receiving water:	
36 - Health warnings posted?	No
37 - Did the spill result in a beach closure (if YES, answer questions 38)?	null
38 - Name of impacted beach(es) (enter NA if not applicable):	N/A
39 - Name of impacted surface water(s) (enter NA if not applicable):	No impact. Spill entered storm drain (PD 1376) outletting into a natural drainage course.
40 - Water quality samples analyzed for:	No water quality samples taken
41 - Explanation of water quality samples analyzed for:	
42 - Water quality sample results reported to:	No water quality samples taken
43 - Explanation of water quality sample results reported to:	
44 - Explanation of volume estimation method	null

used:

Notification Details

45 - Cal OES Control Number	071390
46 - Cal OES Called Date/Time	2007-03-04 14:20:00.0
47(a) - Name and Title (Contact person who can answer specific questions about this SSO)	null
47(b) - Contact Person Phone Numner	null

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SSO - General Information

SSO Event ID:	650007	Regional Water Board:	4
Spill Location Name:	1065-0710	Agency:	Agoura Hills City
WDID:	4SSO11366	Sanitary Sewer System:	Agoura Hills CS

General Info

[Glossary of Terms](#)

[Locate the spill on map](#)

Certified by Nicholas Agbobu on 2007-05-03 00:00:00.0

1 - Spill Type: Category 1

2 - Estimate Spill Volumes

- a) Estimated spill volume that reached a separate storm drain that flows to a surface water body? 0
- b) Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up) 0
- c) Estimated spill volume that reached a drainage channel that flows to a surface water body? 0
- d) Estimated spill volume recovered from a drainage channel that flows to a surface water body? 0
- e) Estimated spill volume discharged directly to a surface water body? 0
- f) Estimated spill volume recovered from surface water body? 0
- g) Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.) 0
- h) Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up) 0

Estimated Total spill volume Reach Surface Water (a-b+c+e)	Estimated Total spill volume Reach Land (g)	Estimated Total spill volume Recovered (b+d+f+h)	Estimated Total spill volume (a+c+e+g)
400	0	0	400

3 - Did the spill discharge to a drainage channel and/or surface water? Yes

4 - Did the spill reach a separate (i.e.,not combined) storm drainpipe? Yes

5 - If spill reached to a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system? No

Physical Location Details

- 6 - Spill location name: 1065-0710
- 7 - Latitude of spill location: 34.161936055
- 8 - Longitude of spill location: 118.786929491

9 - County:	Los Angeles
10 - Regional Water Quality Control Board:	4
11 - Spill location description:	CSMD Map Sheet 1065 Manhole 710 MMS No. 2731658A
Spill Details	
12 - Number Of appearance points:	null
13 - Spill appearance point:	Manhole
14 - Spill appearance point explanation:	
15 - Final spill destination:	Other (specify below)
16 - Explanation of final spill destination:	Entered storm drain (PD 687) outletting into a natural drainage course.
17 - Estimated spill start date/time:	2007-04-30 17:30:00.0
18 - Date and time sanitary sewer system agency was notified of or discovered spill:	2007-04-30 17:30:00.0
19 - Estimated Operator arrival date/time:	2007-04-30 20:10:00.0
20 - Estimated spill end date/time:	2007-04-30 21:40:00.0
21 - Spill cause:	Root intrusion
22 - Spill cause explanation:	
23 - Where did failure occur?	
24 - Explanation of Where failure occurred:	
25 - Was this spill associated with a storm event?	null
26 - Diameter of sewer pipe at the point of blockage or failure:	0
27 - Material of sewer pipe at the point of blockage or failure:	
28 - Estimated age of sewer asset at the point of blockage or failure:	0
29 - Spill response activities:	Cleaned-up (mitigated effects of spill)
30 - Explanation of spill response activities:	We rodded the mainline to break down a root stoppage. The spill was contained with vector truck and area cleaned.
31 - Spill response completion date:	2007-04-30 22:20:00.0
32 - Spill corrective action taken:	Added sewer to preventive maintenance program
33 - Explanation of spill corrective action taken:	NA
34a - Is there an ongoing investigation?	No
34b - Reason for ongoing investigation?	
35 - Visual inspection results from impacted receiving water:	
36 - Health warnings posted?	No
37 - Did the spill result in a beach closure (If YES, answer questions 38)?	null
38 - Name of impacted beach(es) (enter NA if not applicable):	N/A
39 - Name of impacted surface water(s) (enter NA if not applicable):	No Impact. spill entered storm drain outletting into a natural drainage course.
40 - Water quality samples analyzed for:	Not applicable to this spill
41 - Explanation of water quality samples analyzed for:	
42 - Water quality sample results reported to:	Not applicable to this spill
43 - Explanation of water quality sample results reported to:	
44 - Explanation of volume estimation method used:	null

Notification Details

45 - Cal OES Control Number	072632
46 - Cal OES Called Date/Time	2007-04-30 23:40:00.0
47(a) - Name and Title (Contact person who can answer specific questions about this SSO)	null
47(b) - Contact Person Phone Numner	null

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SSO - General Information

SSO Event ID:	716701	Regional Water Board:	4
Spill Location Name:	1091-0052	Agency:	Agoura Hills City
WDID:	4SSO11366	Sanitary Sewer System:	Agoura Hills CS

General Info

Glossary of Terms

Locate the spill on map

Certified by Nicholas Agbobu on 2008-04-28 00:00:00.0

1 - Spill Type: Category 1

2 - Estimate Spill Volumes

- a) Estimated spill volume that reached a separate storm drain that flows to a surface water body? 0
- b) Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up) 0
- c) Estimated spill volume that reached a drainage channel that flows to a surface water body? 0
- d) Estimated spill volume recovered from a drainage channel that flows to a surface water body? 0
- e) Estimated spill volume discharged directly to a surface water body? 0
- f) Estimated spill volume recovered from surface water body? 0
- g) Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.) 0
- h) Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up) 0

Estimated Total spill volume Reach Surface Water (a-b+c+e)	Estimated Total spill volume Reach Land (g)	Estimated Total spill volume Recovered (b+d+f+h)	Estimated Total spill volume (a+c+e+g)
100	0	20	120

- 3 - Did the spill discharge to a drainage channel and/or surface water? Yes
- 4 - Did the spill reach a separate (i.e.,not combined) storm drainpipe? Yes
- 5 - If spill reached to a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system? No

Physical Location Details

- 6 - Spill location name: 1091-0052
- 7 - Latitude of spill location: 34.139546145
- 8 - Longitude of spill location: 118.743819632

9 - County:	Los Angeles
10 - Regional Water Quality Control Board:	4
11 - Spill location description:	CSMD Mapsheet 1091 Manhole 52 MMS. No. 3031697
Spill Details	
12 - Number Of appearance points:	null
13 - Spill appearance point:	Manhole
14 - Spill appearance point explanation:	
15 - Final spill destination:	Other (specify below)
16 - Explanation of final spill destination:	Spill flowed from manhole #52 into storm drain channel across from 28306 Laura La Plante Drive which leads to natural terrain.
17 - Estimated spill start date/time:	2008-04-27 15:10:00.0
18 - Date and time sanitary sewer system agency was notified of or discovered spill:	2008-04-27 15:35:00.0
19 - Estimated Operator arrival date/time:	2008-04-27 17:43:00.0
20 - Estimated spill end date/time:	2008-04-27 18:05:00.0
21 - Spill cause:	Root intrusion
22 - Spill cause explanation:	
23 - Where did failure occur?	
24 - Explanation of Where failure occurred:	
25 - Was this spill associated with a storm event?	null
26 - Diameter of sewer pipe at the point of blockage or failure:	0
27 - Material of sewer pipe at the point of blockage or failure:	
28 - Estimated age of sewer asset at the point of blockage or failure:	0
29 - Spill response activities:	Contained all or portion of spill; Restored flow
30 - Explanation of spill response activities:	
31 - Spill response completion date:	2008-04-27 19:10:00.0
32 - Spill corrective action taken:	Added sewer to preventive maintenance program
33 - Explanation of spill corrective action taken:	NA
34a - Is there an ongoing investigation?	No
34b - Reason for ongoing investigation?	
35 - Visual inspection results from impacted receiving water:	
36 - Health warnings posted?	No
37 - Did the spill result in a beach closure (if YES, answer questions 38)?	null
38 - Name of impacted beach(es) (enter NA if not applicable):	N/A
39 - Name of impacted surface water(s) (enter NA if not applicable):	No impact. No evidence of spill reaching surface water.
40 - Water quality samples analyzed for:	No water quality samples taken
41 - Explanation of water quality samples analyzed for:	
42 - Water quality sample results reported to:	No water quality samples taken
43 - Explanation of water quality sample results reported to:	
44 - Explanation of volume estimation method used:	null

Notification Details

45 - Cal OES Control Number	083069
46 - Cal OES Called Date/Time	2008-04-27 17:12:00.0
47(a) - Name and Title (Contact person who can answer specific questions about this SSO)	null
47(b) - Contact Person Phone Number	null

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SSO - General Information

SSO Event ID:	730057	Regional Water Board:	4
Spill Location Name:	1065-0431	Agency:	Agoura Hills City
WDID:	4SSO11366	Sanitary Sewer System:	Agoura Hills CS

General Info

Glossary of Terms

Locate the spill on map

Certified by Nicholas Agbobu on 2008-12-03 00:00:00.0

1 - Spill Type: Category 1

2 - Estimate Spill Volumes

- a) Estimated spill volume that reached a separate storm drain that flows to a surface water body? 0
- b) Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up) 0
- c) Estimated spill volume that reached a drainage channel that flows to a surface water body? 0
- d) Estimated spill volume recovered from a drainage channel that flows to a surface water body? 0
- e) Estimated spill volume discharged directly to a surface water body? 0
- f) Estimated spill volume recovered from surface water body? 0
- g) Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.) 0
- h) Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up) 0

Estimated Total spill volume Reach Surface Water (a-b+c+e)	Estimated Total spill volume Reach Land (g)	Estimated Total spill volume Recovered (b+d+f+h)	Estimated Total spill volume (a+c+e+g)
500	0	0	500

3 - Did the spill discharge to a drainage channel and/or surface water? Yes

4 - Did the spill reach a separate (i.e.,not combined) storm drainpipe? Yes

5 - If spill reached to a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system? No

Physical Location Details

6 - Spill location name:	1065-0431
7 - Latitude of spill location:	34.155248027
8 - Longitude of spill location:	118.77868918

9 - County:	Los Angeles
10 - Regional Water Quality Control Board:	4
11 - Spill location description:	CSMD Mapsheet No. 1065 Manhole No. 431 MMS No. 3183074
Spill Details	
12 - Number Of appearance points:	null
13 - Spill appearance point:	Manhole
14 - Spill appearance point explanation:	
15 - Final spill destination:	Other (specify below)
16 - Explanation of final spill destination:	Lindero Canyon Drain/Santa Monica Conservatory
17 - Estimated spill start date/time:	2008-11-29 16:05:00.0
18 - Date and time sanitary sewer system agency was notified of or discovered spill:	2008-11-29 16:05:00.0
19 - Estimated Operator arrival date/time:	2008-11-29 18:30:00.0
20 - Estimated spill end date/time:	2008-11-29 19:00:00.0
21 - Spill cause:	Grease deposition (FOG)
22 - Spill cause explanation:	
23 - Where did failure occur?	
24 - Explanation of Where failure occurred:	
25 - Was this spill associated with a storm event?	null
26 - Diameter of sewer pipe at the point of blockage or failure:	0
27 - Material of sewer pipe at the point of blockage or failure:	
28 - Estimated age of sewer asset at the point of blockage or failure:	0
29 - Spill response activities:	Other (specify below)
30 - Explanation of spill response activities:	Upon arrival manhole was up but not overflowing. Rodder equipment was used to break down mainline blockage.
31 - Spill response completion date:	2008-11-29 20:30:00.0
32 - Spill corrective action taken:	Added sewer to preventive maintenance program
33 - Explanation of spill corrective action taken:	NA
34a - Is there an ongoing investigation?	No
34b - Reason for ongoing investigation?	
35 - Visual inspection results from impacted receiving water:	
36 - Health warnings posted?	No
37 - Did the spill result in a beach closure (if YES, answer questions 38)?	null
38 - Name of impacted beach(es) (enter NA if not applicable):	N/A
39 - Name of impacted surface water(s) (enter NA if not applicable):	Lindero Canyon drain/Santa Monica Conservatory
40 - Water quality samples analyzed for:	No water quality samples taken
41 - Explanation of water quality samples analyzed for:	
42 - Water quality sample results reported to:	No water quality samples taken
43 - Explanation of water quality sample results reported to:	
44 - Explanation of volume estimation method used:	null

Notification Details

45 - Cal OES Control Number	088579
46 - Cal OES Called Date/Time	2008-12-01 11:30:00.0
47(a) - Name and Title (Contact person who can answer specific questions about this SSO)	null
47(b) - Contact Person Phone Numner	null

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SSO - General Information

SSO Event ID:	732584	Regional Water Board:	4
Spill Location Name:	1090-0076	Agency:	Agoura Hills City
WDID:	4SSO11366	Sanitary Sewer System:	Agoura Hills CS

General Info

[Glossary of Terms](#)

[Locate the spill on map](#)

Certified by Nicholas A. Agbobu on 2009-01-28 00:00:00.0

1 - Spill Type: Category 1

2 - Estimate Spill Volumes

- a) Estimated spill volume that reached a separate storm drain that flows to a surface water body? 0
- b) Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up) 0
- c) Estimated spill volume that reached a drainage channel that flows to a surface water body? 0
- d) Estimated spill volume recovered from a drainage channel that flows to a surface water body? 0
- e) Estimated spill volume discharged directly to a surface water body? 0
- f) Estimated spill volume recovered from surface water body? 0
- g) Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.) 0
- h) Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up) 0

Estimated Total spill volume Reach Surface Water (a-b+c+e)	Estimated Total spill volume Reach Land (g)	Estimated Total spill volume Recovered (b+d+f+h)	Estimated Total spill volume (a+c+e+g)
75	0	0	75

3 - Did the spill discharge to a drainage channel and/or surface water? Yes

4 - Did the spill reach a separate (i.e.,not combined) storm drainpipe? Yes

5 - If spill reached to a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system? No

Physical Location Details

6 - Spill location name:	1090-0076
7 - Latitude of spill location:	34.162864144
8 - Longitude of spill location:	118.755778559

9 - County: Los Angeles
 10 - Regional Water Quality Control Board: 4
 11 - Spill location description: CSMD Mapsheet 1090 Manhole 76 MMS No. 3216846

Spill Details

12 - Number Of appearance points: null
 13 - Spill appearance point: Manhole
 14 - Spill appearance point explanation:
 15 - Final spill destination: Other (specify below)
 16 - Explanation of final spill destination: Spill overflowed from manhole 76 into catch basin, which leads to Media Creek/Malibu Lake.
 17 - Estimated spill start date/time: 2009-01-25 20:40:00.0
 18 - Date and time sanitary sewer system agency was notified of or discovered spill: 2009-01-25 22:20:00.0
 19 - Estimated Operator arrival date/time: 2009-01-26 01:00:00.0
 20 - Estimated spill end date/time: 2009-01-26 01:30:00.0
 21 - Spill cause: Grease deposition (FOG)
 22 - Spill cause explanation:
 23 - Where did failure occur?
 24 - Explanation of Where failure occurred:
 25 - Was this spill associated with a storm event? null
 26 - Diameter of sewer pipe at the point of blockage or failure: 0
 27 - Material of sewer pipe at the point of blockage or failure:
 28 - Estimated age of sewer asset at the point of blockage or failure: 0
 29 - Spill response activities: Other (specify below)
 30 - Explanation of spill response activities: Upon arrival manhole was up but not overflowing, it showed signs that at some point it had spilled onto street and into catch basin. Rodder equipment was used to break down blockage. Also, washed the effected area with vector then put it back into sanitary sewer system.
 31 - Spill response completion date: 2009-01-26 03:50:00.0
 32 - Spill corrective action taken: Added sewer to preventive maintenance program
 33 - Explanation of spill corrective action taken: NA
 34a - Is there an ongoing investigation? No
 34b - Reason for ongoing investigation?
 35 - Visual inspection results from impacted receiving water:
 36 - Health warnings posted? No
 37 - Did the spill result in a beach closure (If YES, answer questions 38)? null
 38 - Name of impacted beach(es) (enter NA if not applicable): N/A

39 - Name of impacted surface water(s) (enter NA if not applicable):	Media Creek/Malibu Lake
40 - Water quality samples analyzed for:	No water quality samples taken
41 - Explanation of water quality samples analyzed for:	
42 - Water quality sample results reported to:	No water quality samples taken
43 - Explanation of water quality sample results reported to:	
44 - Explanation of volume estimation method used:	null
Notification Details	
45 - Cal OES Control Number	090757
46 - Cal OES Called Date/Time	2009-01-25 23:07:00.0
47(a) - Name and Title (Contact person who can answer specific questions about this SSO)	null
47(b) - Contact Person Phone Numner	null



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SSO - General Information

SSO Event ID:	748233	Regional Water Board:	4
Spill Location Name:	1090-0385	Agency:	Agoura Hills City
WDID:	4SSO11366	Sanitary Sewer System:	Agoura Hills CS

General Info

Glossary of Terms

Locate the spill on map

Certified by Nicholas A. Agbobu on 2010-01-07 00:00:00.0

1 - Spill Type: Category 3

2 - Estimate Spill Volumes

- a) Estimated spill volume that reached a separate storm drain that flows to a surface water body? 0
- b) Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up) 0
- c) Estimated spill volume that reached a drainage channel that flows to a surface water body? 0
- d) Estimated spill volume recovered from a drainage channel that flows to a surface water body? 0
- e) Estimated spill volume discharged directly to a surface water body? 0
- f) Estimated spill volume recovered from surface water body? 0
- g) Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.) 0
- h) Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up) 0

Estimated Total spill volume Reach Surface Water (a-b+c+e)	Estimated Total spill volume Reach Land (g)	Estimated Total spill volume Recovered (b+d+f+h)	Estimated Total spill volume (a+c+e+g)
0	0	0	20

3 - Did the spill discharge to a drainage channel and/or surface water? No

4 - Did the spill reach a separate (i.e.,not combined) storm drainpipe? No

5 - If spill reached to a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system? Not Applicable - Spill did not reach storm drainpipe

Physical Location Details

- 6 - Spill location name: 1090-0385
- 7 - Latitude of spill location: 34.15319
- 8 - Longitude of spill location: -118.74568

9 - County:	Los Angeles
10 - Regional Water Quality Control Board:	4
11 - Spill location description:	CSMD Mapsheet 1090 Manhole 385 MMS No. 4102942
Spill Details	
12 - Number Of appearance points:	null
13 - Spill appearance point:	Manhole
14 - Spill appearance point explanation:	
15 - Final spill destination:	Street/curb and gutter
16 - Explanation of final spill destination:	
17 - Estimated spill start date/time:	2010-01-06 11:40:00.0
18 - Date and time sanitary sewer system agency was notified of or discovered spill:	2010-01-06 11:50:00.0
19 - Estimated Operator arrival date/time:	2010-01-06 12:00:00.0
20 - Estimated spill end date/time:	2010-01-06 12:35:00.0
21 - Spill cause:	Root intrusion
22 - Spill cause explanation:	
23 - Where did failure occur?	
24 - Explanation of Where failure occurred:	
25 - Was this spill associated with a storm event?	null
26 - Diameter of sewer pipe at the point of blockage or failure:	0
27 - Material of sewer pipe at the point of blockage or failure:	
28 - Estimated age of sewer asset at the point of blockage or failure:	0
29 - Explanation of volume estimation method used:	null
Notification Details	
30(a) - Name and Tittle (Contact person who can answer specific questions about this SSO)	null
30(b) - Contact Person Phone Numner	null

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SSO - General Information

SSO Event ID:	752632	Regional Water Board:	4
Spill Location Name:	1090-0313	Agency:	Agoura Hills City
WDID:	4SSO11366	Sanitary Sewer System:	Agoura Hills CS

General Info

[Glossary of Terms](#)

[Locate the spill on map](#)

Certified by Nicholas A. Agbobu on 2010-05-24 00:00:00.0

1 - Spill Type: Category 1

2 - Estimate Spill Volumes

- a) Estimated spill volume that reached a separate storm drain that flows to a surface water body? 0
- b) Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up) 0
- c) Estimated spill volume that reached a drainage channel that flows to a surface water body? 0
- d) Estimated spill volume recovered from a drainage channel that flows to a surface water body? 0
- e) Estimated spill volume discharged directly to a surface water body? 0
- f) Estimated spill volume recovered from surface water body? 0
- g) Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.) 0
- h) Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up) 0

Estimated Total spill volume Reach Surface Water (a-b+c+e)	Estimated Total spill volume Reach Land (g)	Estimated Total spill volume Recovered (b+d+f+h)	Estimated Total spill volume (a+c+e+g)
62	0	20	82

3 - Did the spill discharge to a drainage channel and/or surface water? Yes

4 - Did the spill reach a separate (i.e.,not combined) storm drainpipe? Yes

5 - If spill reached to a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system? No

Physical Location Details

6 - Spill location name: 1090-0313
 7 - Latitude of spill location: 34.154932935
 8 - Longitude of spill location: -118.759199747

9 - County:	Los Angeles
10 - Regional Water Quality Control Board:	4
11 - Spill location description:	CSMD Mapsheet 1090 Manhole 313 MMS No. 4223493
Spill Details	
12 - Number Of appearance points:	null
13 - Spill appearance point:	Manhole
14 - Spill appearance point explanation:	
15 - Final spill destination:	Other (specify below)
16 - Explanation of final spill destination:	Catch basin 15 feet North of Manhole No. 313 into Medea Creek.
17 - Estimated spill start date/time:	2010-05-19 16:15:00.0
18 - Date and time sanitary sewer system agency was notified of or discovered spill:	2010-05-19 16:15:00.0
19 - Estimated Operator arrival date/time:	2010-05-19 18:10:00.0
20 - Estimated spill end date/time:	2010-05-19 19:31:00.0
21 - Spill cause:	Grease deposition (FOG)
22 - Spill cause explanation:	
23 - Where did failure occur?	
24 - Explanation of Where failure occurred:	
25 - Was this spill associated with a storm event?	null
26 - Diameter of sewer pipe at the point of blockage or failure:	0
27 - Material of sewer pipe at the point of blockage or failure:	
28 - Estimated age of sewer asset at the point of blockage or failure:	0
29 - Spill response activities:	Contained all or portion of spill; Restored flow; Returned all or portion of spill to sanitary sewer system
30 - Explanation of spill response activities:	
31 - Spill response completion date:	2010-05-19 21:00:00.0
32 - Spill corrective action taken:	Added sewer to preventive maintenance program
33 - Explanation of spill corrective action taken:	NA
34a - Is there an ongoing investigation?	No
34b - Reason for ongoing investigation?	
35 - Visual inspection results from impacted receiving water:	
36 - Health warnings posted?	Yes
37 - Did the spill result in a beach closure (if YES, answer questions 38)?	null
38 - Name of impacted beach(es) (enter NA if not applicable):	N/A
39 - Name of impacted surface water(s) (enter NA if not applicable):	Medea Creek
40 - Water quality samples analyzed for:	No water quality samples taken
41 - Explanation of water quality samples analyzed for:	
42 - Water quality sample results reported to:	No water quality samples taken
43 - Explanation of water quality sample results reported to:	
44 - Explanation of volume estimation method used:	null

Notification Details

45 - Cal OES Control Number	930911
46 - Cal OES Called Date/Time	2010-05-19 17:05:00.0
47(a) - Name and Title (Contact person who can answer specific questions about this SSO)	null
47(b) - Contact Person Phone Numner	null

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Spill - General Information **2** SSO Menu

Spill Event ID: 769479 Regional Water Board: Region 4 - Los Angeles
 Spill Location Name: 1065 - 30528 Lake Lindero Drive Agency: Agoura Hills City
 WQID: ASSO11366 Sanitary Sewer System: Agoura Hills CS

General Info | Spill Related Parties | Attachments

Spill - General Information, Screen 2

Certified by Nicholas A. Agbobu (Senior Civil Engineer) on 08/04/2011 at Alhambra (Certification ID 795336)

Amend

You have 59:59 minutes to save your report before your session expires.

Note: Questions with "*" are required to be answered for 'Save Work in Progress'. Questions with "**" are required to be answered for 'Submit Draft'. Questions with "***" are required to be answered for 'Ready to Certify'.

Submit Draft On: 08/04/2011

Last Updated By: Nicholas Agbobu

1 - Spill Type: Category 1
Version: 1.0

*2 - Estimate Spill Volumes

- a) Estimated spill volume that reached a separate storm drain that flows to a surface water body? gallons
- b) Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up) gallons
- c) Estimated spill volume that reached a drainage channel that flows to a surface water body? gallons
- d) Estimated spill volume recovered from a drainage channel that flows to a surface water body? gallons
- e) Estimated spill volume discharged directly to a surface water body? gallons
- f) Estimated spill volume recovered from surface water body? gallons
- g) Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.) gallons
- h) Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up) gallons

Estimated	Estimated	Estimated	Estimated
Total spill volume	Total spill volume	Total spill volume	Total spill volume

(a-b+c+e)	(g)	(b+d+1+1)	(a+c+e+g)
10.0		0.0	10.0

* 3 - Did the spill discharge to a drainage channel and/or surface water?

* 4 - Did the spill reach a storm drainpipe that is not part of a combined sewer system?

* 5 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system?

Physical Location Details

* 6 - Spill location name:

* 7 - Latitude of spill location:

* 8 - Longitude of spill location:

* 9 - County:

* 10 - Regional Water Quality Control Board:

* 11 - Spill location description:
(Use attachment if location description is more than 2000 characters)

Spill Details

* 12 - Number Of appearance points:

* 13 - Spill appearance point:
(Hold Ctrl key to Select Multiple answers from the list)

* 14 - Spill appearance point explanation:
(Required if spill appearance point is "Other" and/or multiple appearance points are selected)

** 15 - Final spill destination:
(Hold Ctrl key to Select Multiple answers from the list)

* 16 - Explanation of final spill destination:
(Required if final spill destination is "Other")

* 17 - Estimated spill start date/time:

* 18 - Date and time sanitary sewer system agency was notified of or discovered spill:

* 19 - Estimated Operator arrival date/time:

** 20 - Estimated spill end date/time:

** 21 - Spill cause:

* 22 - Spill cause explanation:
(Required if spill Cause is "Other")

Yes

No

1065 - 30528 Late Lindero Drive

deg. min. sec. OR 34.149753 decimal degrees

deg. min. sec. OR -118.7864 decimal degrees

Los Angeles

Region 4 - Los Angeles

CSMD Mapsheet No. 1065 Manhole No. 79
MMS No. 4567169

Combined Sewer D.I. (Combined CS Only)
Force Main
Gravity Mainline

Beach
Building or Structure
Combined Storm Drain (Combined CS only)

Private drain/Lake Lindero

09/03/2011 13 : 35 Date Format: MM/DD/YYYY

09/03/2011 13 : 35 Date Format: MM/DD/YYYY

09/03/2011 15 : 15 Date Format: MM/DD/YYYY

09/03/2011 15 : 21 Date Format: MM/DD/YYYY

Other (specify below)

Heavy calcium scale

Mar

Mar

24 - Explanation of Where Failure Occurred:
(Required if Where Failure Occurred is "Other")

25 - Was this spill associated with a storm event?

26 - Diameter of sewer pipe at the point of blockage or failure:

 inches

27 - Material of sewer pipe at the point of blockage or failure:

28 - Estimated age of sewer asset at the point of blockage or failure: (months)

29 - Spill response activities:
(Hold Ctrl key to Select Multiple answers from the list)

Cleaned-Up
Mitigated Effects of Spill
Contained all or portion of spill

30 - Explanation of spill response activities:
(Required if spill response activities is "Other", use attachment if the text is more than 1700 characters)

Hydro equipment was used to break down mainline stoppage.

31 - Spill response completion date:

08/03/2011 16:34 Date Format: MM/DD/YYYY

32 - Spill corrective action taken:
(Hold Ctrl key to Select Multiple answers from the list)

Added sewer to preventive maintenance program
Adjusted schedule/method of preventive maintenance
Enforcement action against FOG source

33 - Explanation of spill corrective action taken:
(Required if spill corrective action is "Other")

34a - Is there an ongoing investigation?

 No

34b - Reason for ongoing investigation?

35 - Visual inspection results from impacted receiving water:

36 - Health warnings posted?

 No

37 - Did the spill result in a beach closure (if YES, answer questions 38)?

38 - Name of impacted beach(es) (enter NA if None):

39 - Name of impacted surface water(s) (enter Un-named Tributary to XXXXX where XXXXX is the name of first named downstream tributary if receiving surface water body is un-named):

Private drain, Lake Lindero

40 - Water quality samples analyzed for:
(Hold Ctrl key to Select Multiple answers from the list)

Disolved oxygen
Other chemical indicator(s) - specify below
Biological indicator(s) - specify below

41 - Explanation of water quality samples analyzed for:
(Required if water quality samples analyzed for is "Other chemical indicator(s)", "Biological indicator(s)", or "Other")

42 - Water quality sample results reported to:

County Health Agency
Regional Water Quality Control Board

(Required if water quality sample results reported to is "Other")

44 - Explanation of volume estimation methods used:
(Describe how you developed spill volume estimates for this spill)

Notification Details

45 - Cal OES Control Number
(Required for Category 1 - see SSO Monitoring and Reporting Program Requirements):

46 - Cal OES Called Date/Time
(Required for Category 1 - see SSO Monitoring and Reporting Program Requirements):

* 47(a) - Name and Title (Contact person who can answer specific questions about this SSO)

* 47(b) - Contact Person Phone Number

Amend

 Date Format MM/DD/YYYY



You are logged in as: magbobu. If this account does not belong to you, please log out.

Spill - General Information **7** SSO Menu

Spill Event ID: 773572
Spill Location Name: 1090 - 26965 ValleyHeights Drive
WQID: 4SSO11366

Regional Water Board: Region 4 - Los Angeles
Agency: Agoura Hills City
Sanitary Sewer System: Agoura Hills CS

General Info | Spill Related Parties | Attachments

Spill - General Information, Screen 2

Certified by Nicholas A. Agbobu (Senior Civil Engineer) on 11/30/2011 at Alhambra
(Certification ID 553549)

Amend

You have 59:59 minutes to save your report before your session expires.

Note: Questions with "*" are required to be answered for 'Save Work in Progress'.
Questions with "*" are required to be answered for 'Submit Draft'.
Questions with "*" are required to be answered for 'Ready to Certify'.

Submit Draft On:

11/30/2011

Last Updated By:

Nicholas Agbobu

1 - Spill Type:

Category 3

Version:

1.0

* 2 - Estimate Spill Volumes

- a) Estimated spill volume that reached a separate storm drain that flows to a surface water body? gallons
- b) Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up) gallons
- c) Estimated spill volume that reached a drainage channel that flows to a surface water body? gallons
- d) Estimated spill volume recovered from a drainage channel that flows to a surface water body? gallons
- e) Estimated spill volume discharged directly to a surface water body? gallons
- f) Estimated spill volume recovered from surface water body? gallons
- g) Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.) gallons
- h) Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up) gallons

Estimated	Estimated	Estimated	Estimated
Total spill volume	Total spill volume	Total spill volume	Total spill volume

(a+b+c+e)	(g)	(b+d+f+h)	(a+c+e+g)
0.0		150.0	150.0

* 3 - Did the spill discharge to a drainage channel and/or surface water?

* 4 - Did the spill reach a storm drainpipe that is not part of a combined sewer system?

* 5 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system?
Physical Location Details

* 6 - Spill location name:

1090 - 28965 Valley Heights Drive

* 7 - Latitude of spill location:

deg. min. sec. OR [34.15276] decimal degrees [Lat]

* 8 - Longitude of spill location:

deg. min. sec. OR [-118.7564] decimal degrees [Long]

* 9 - County:

Los Angeles

* 10 - Regional Water Quality Control Board:

Region 4 - Los Angeles

* 11 - Spill location description:
(Use attachment if location description is more than 2000 characters)

CSAMD Mapsheet No. 1090
MMS No. 4617553

Spill Details

* 12 - Number Of appearance points:

* 13 - Spill appearance point:
(Hold Ctrl key to Select Multiple answers from the list)

- Combined Sewer D.I. (Combined CS Only)
- Force Main
- Gravity Mainline

* 14 - Spill appearance point explanation:
(Required if spill appearance point is "Other" and/or multiple appearance points are selected)

Plumbing trouble (sewer back-up)

* 15 - Final spill destination:
(Hold Ctrl key to Select Multiple answers from the list)

- Beach
- Building or Structure
- Combined Storm Drain (Combined CS only)

* 16 - Explanation of final spill destination:
(Required if final spill destination is "Other")

Sewer backed-up into home at 28965 Valley Heights Drive and 5565 Agoura Glen Drive

* 17 - Estimated spill start date/time:

11/23/2011 : : Date Format: MM/DD/YYYY

* 18 - Date and time sanitary sewer system agency was notified of or discovered spill:

11/23/2011 : : Date Format: MM/DD/YYYY

* 19 - Estimated Operator arrival date/time:

11/23/2011 : : Date Format: MM/DD/YYYY

* 20 - Estimated spill end date/time:

11/23/2011 : : Date Format: MM/DD/YYYY

* 21 - Spill cause:

Other (specify below)

* 22 - Spill cause explanation:
(Required if spill Cause is "Other")

Calcium build up and heavy roots



Navigate to: [Menu](#) | [Help](#) | [Log out](#)

Spill - General Information 2 [SSO Menu](#)

Spill Event ID: 777983 Regional Water Board: Region 4 - Los Angeles

Spill Location Name: 1065-0049 Agency: Agoura Hills City

WIDID: 4SSO11366 Sanitary Sewer System: Agoura Hills CS

General Info | **Spill Related Parties** | Attachments

Spill - General Information, Screen 2

Certified by Nicholas A. Agbobu (Senior Civil Engineer) on 02/23/2012 at Alhambra
(Certification ID 132599)

[Amend](#)

You have **59:59** minutes to save your report before your session expires.

Note: Questions with "*" are required to be answered for 'Save Work in Progress'.
Questions with "*" are required to be answered for 'Submit Draft'.
Questions with "*" are required to be answered for 'Ready to Certify'.

Submit Draft On: 02/23/2012

Last Updated By: Nicholas Agbobu

1 - Spill Type: Category 3

Version: 1.0

*** 2 - Estimate Spill Volumes**

- a) Estimated spill volume that reached a separate storm drain that flows to a surface water body? gallons
- b) Estimated spill volume recovered from the separate storm drain that flows to a surface water body? (Do not include water used for clean-up) gallons
- c) Estimated spill volume that reached a drainage channel that flows to a surface water body? gallons
- d) Estimated spill volume recovered from a drainage channel that flows to a surface water body? gallons
- e) Estimated spill volume discharged directly to a surface water body? gallons
- f) Estimated spill volume recovered from surface water body? gallons
- g) Estimated spill volume discharged to land? (Includes discharges directly to land, and discharges to a storm drain system or drainage channel that flows to a storm water infiltration/retention structure, field, or other non-surface water location.) gallons
- h) Estimated spill volume recovered from the discharge to land? (Do not include water used for clean-up) gallons

Estimated Total spill volume	Estimated Total spill volume	Estimated Total spill volume	Estimated Total spill volume
<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>	<input type="text" value="0"/>

(a+b+c+e)	(g)	(b+d+f+h)	(a+c+e+f)
00		350	350

*3 - Did the spill discharge to a drainage channel and/or surface water?

*4 - Did the spill reach a storm drainpipe that is not part of a combined sewer system?

*5 - If spill reached a separate storm drainpipe, was all of the wastewater fully captured from the separate storm drain and returned to the sanitary sewer system?

Physical Location Details

*6 - Spill location name:

*7 - Latitude of spill location:

*8 - Longitude of spill location:

*9 - County:

*10 - Regional Water Quality Control Board:

*11 - Spill location description:
(Use attachment if location description is more than 2000 characters)

Spill Details

*12 - Number Of appearance points:

*13 - Spill appearance point:
(Hold Ctrl key to Select Multiple answers from the list)

*14 - Spill appearance point explanation:
(Required if spill appearance point is "Other" and/or multiple appearance points are selected)

*15 - Final spill destination:
(Hold Ctrl key to Select Multiple answers from the list)

*16 - Explanation of final spill destination:
(Required if final spill destination is "Other")

*17 - Estimated spill start datetime:

*18 - Date and time sanitary sewer system agency was notified of or discovered spill:

*19 - Estimated Operator arrival datetime:

*20 - Estimated spill end datetime:

*21 - Spill cause:

*22 - Spill cause explanation:
(Required if spill Cause is "Other")

No

No

Not Applicable - Spill did not reach a separate storm drainpipe

1065-0049

deg. min. sec. OR 34.148148 decimal degrees Max

deg. min. sec. OR 118.7330 decimal degrees Max

Los Angeles

Region 4 - Los Angeles

CSMD Mapsheet No. 1065 Mainhole No. 49
MMS No. 4657062

Combined Sewer D.I. (Combined CS Only)
Force Main
Gravity Mainline

Beach
Building or Structure
Combined Storm Drain (Combined CS only)

Spill was fully contained around Manhole No. 49

02/21/2012 12:15 Date Format: MM/DD/YYYY

02/21/2012 12:15 Date Format: MM/DD/YYYY

02/21/2012 12:44 Date Format: MM/DD/YYYY

02/21/2012 14:05 Date Format: MM/DD/YYYY

Other (specify below)

Roots and Rags

24 - Explanation of where failure occurred:
(Required if Where Failure Occurred is "Other")

25 - Was this spill associated with a storm event?

26 - Diameter of sewer pipe at the point of blockage or failure:

 Inches

27 - Material of sewer pipe at the point of blockage or failure:

28 - Estimated age of sewer asset at the point of blockage or failure: (months)

29 - Explanation of volume estimation methods used:
(Describe how you developed spill volume estimates for this spill)

30(a) - Name and Title (Contact person who can answer specific questions about this SSC)

30(b) - Contact Person Phone Number

Amend