

CITY OF INDUSTRY SEWER SYSTEM MANAGEMENT PLAN AUDIT



2019 to 2022

**CITY OF INDUSTRY
SSMP AUDIT FOR 2019 THROUGH 2022**

- May 2, 2006 – State Water Resources Control Board adopted Statewide General Waste Discharge Requirements (WDRs).
- January 1, 2007 – Electronic reporting of Sanitary Sewer Overflows (SSOs).
- 2009 – Sewer System Management Plan (SSMP) adopted by the City Council.
- 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 (Years 2009 and 2010).
- 2013 – Audit of SSMP (Years 2011 and 2012).
- 2014 – Recertification of the SSMP by City Council.
- 2015 – Audit of SSMP (Years 2013 and 2014).
- 2019 – Audit of SSMP (Years 2015 through 2018).
- 2019 – Recertification of the SSMP by City Council.
- December 6, 2022 – State Water Resources Control Board adopted Statewide Waste Discharge Requirements General Order for Sanitary Sewer Systems
- June 5, 2023 – Order WQ 2022-0103-DWQ in effect

Elements of the SSMP

1. **Goals** – description of the City's SSMP goals.
2. **Organization** – description of the City's and LA County's Consolidated Sewer Maintenance District (CSMD) 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 through CSMD 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 CSMD responds to, reports, and documents SSO events within the City.
7. **Fats, Oils, 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** – summary of 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	2019	2020	2021	2022
Input				
1 Total miles of scheduled Closed Circuit Television (CCTV)	0.00	0.00	0.00	0.00
2 Total miles of scheduled periodic cleaning	13.72	14.21	14.74	14.74
3 Total miles of scheduled cleaning (periodic and contract CCTV)	13.72	14.21	14.74	14.74
4 Total number of pump station inspections scheduled	0	0	0	0
5 Total number of manhole inspections scheduled	2,124	2,124	2,124	2,124
Workload/Output				
6 Total number of SSOs responded to in a 12-month period *	0	0	2	1
7 Total volume of SSOs	0	0	1,100	1,100
8 Total SSO response time	N/A	N/A	1.16	0.83
9 Total miles of sewer lines maintained	50.03	50.03	50.03	50.03
10 Total miles of scheduled periodic cleaning completed	15.15	14.47	14.46	10.13
11 Total number of pump stations maintained	0	0	0	0
12 Total number of pump station inspections completed	0	0	0	0
13 Total number of manhole inspections completed	2,124	2,124	2,124	2,124
14 Total SSOs > 1,000 gallons responded to	N/A	N/A	0	1
15 Total FOG-related SSOs responded to	N/A	N/A	1	0
16 Total root-related SSOs responded to	N/A	N/A	0	0
17 Total SSOs due to other causes (debris, vandalism, etc.)	N/A	N/A	1	1
18 Total number of capacity-related SSOs	N/A	N/A	0	0
19 Total number of SSOs due to pump station malfunction	N/A	N/A	0	0
20 Number of SSOs responded to within 2 hours or less	N/A	N/A	2	1
21 Total miles of scheduled CCTV completed	0.00	0.00	0.00	0.00
22 Total miles of scheduled cleaning completed	15.15	14.47	14.46	10.13
23 Total miles of CCTV completed (including contract CCTV)	0.52	0.84	0.44	0.00
24 Total miles of sewer lines cleaned (all including contract CCTV)	23.61	26.12	18.24	19.05
25 Total number of service requests responded to	10	7	12	7
Efficiency				
26 Number of SSOs per 100 miles of sewer lines	N/A	N/A	4.00	2.00
27 Volume of SSOs recovered	N/A	N/A	280	0
28 Number of SSOs that reached surface water	N/A	N/A	2	1
29 Average response time per SSO	N/A	N/A	0.58	0.83
30 Average number of SSOs per pump station	N/A	N/A	N/A	N/A
Effectiveness/Outcome				
31 Percentage of SSOs > 1,000 gallons	N/A	N/A	0.00%	100.00%
32 Percentage of SSOs captured	N/A	N/A	25.45%	0.00%
33 Percentage of SSOs due to FOG	N/A	N/A	50.00%	0.00%
34 Percentage of SSOs due to roots	N/A	N/A	0.00%	0.00%
35 Percentage of SSOs due to other causes	N/A	N/A	50.00%	100.00%
36 Percentage of SSOs that reached surface water	N/A	N/A	100.00%	100.00%
37 Percentage of SSOs with response time 2 hours or less	N/A	N/A	100.00%	100.00%
38 Percentage of manhole inspections completed	100.00%	100.00%	100.00%	100.00%
39 Percentage of scheduled CCTV completed	N/A	N/A	N/A	N/A
40 Percentage of pump station inspections completed	N/A	N/A	N/A	N/A
41 Percentage of scheduled cleaning completed **	110.42%	101.83%	98.10%	68.72%
42 SSOs from house laterals not related to mainline sewer problems	0	0	2	1

* Not including SSOs from house laterals

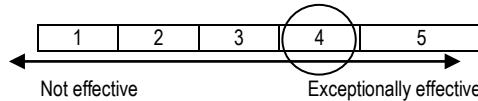
**Due to the Maintenance Management System (MMS) upgrade in 2019-20, some data loss/inaccuracies were found in the system. LA County Sewer Maintenance Division is working with its IT Division to fix this problem.

**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

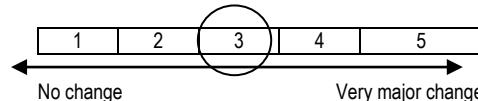
To what extent, on a scale of 1 to 5, has the SSMP been effective in reducing SSOs in the City?



B. Organization

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

*Updates to City Council, City Manager, Engineering Manager, & LA County contacts



C. Legal Authority

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

- (1) County Industrial Waste Ordinance
Date: 2014
- (2) City Municipal Code/County Plumbing Code
Date: 2017
- (3) City Municipal Code/County Building Code
Date: 2017

D. Operation and Maintenance (O&M) Program

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

	*2018-19	*2019-20
(i)	\$ 731,609	\$ 306
(ii)	\$ 1,083,888	\$ 1,214,530
(iii)	\$ 105,627	\$ 28,073
	*2021-21	*2021-22
(i)	\$ 4,045,863	\$ 3,389,488
(ii)	\$ 5,076,923	\$ 5,636,659
(iii)	\$ 184,695	\$ 1,139

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

*CSMD data.

	*2018-19	*2019-20
(i)	\$ 61,009,000	\$ 68,227,000
(ii)	\$ 2,621,199	\$ 2,875,324
(ii)	\$ 32,388,079	\$ 31,761,482
(iv)	\$ 50.50	\$ 50.50
	*2021-21	*2021-22
(i)	\$ 78,889,000	\$ 79,817,000
(ii)	\$ 3,346,550	\$ 2,918,375
(ii)	\$ 35,594,258	\$ 40,170,925
(iv)	\$ 50.50	\$ 50.50

E. Design and Performance Provision

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

*CSMD data

	*2018-19	*2019-20
(i)	\$ 210,680	\$ 246,178
(ii)	\$-	\$ 29,907
(iii)	\$ 10,961	(\$ 42,060)
	*2021-21	*2021-22
(i)	\$ 254,866	\$ 272,413
(ii)	\$ 133,360	\$ 80,910
(iii)	\$ 21,361	(\$ 17,968)

- (2) Has there been any major change in the City's design standard?
If so, specify and indicate the 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.

2019	2020	2021	2022
0	0	0	0
N/A	N/A	N/A	N/A

G. FOG Control Program

- (1) Was an annual report with information on FOG published and/or mailed out to the City's property owners? *Link to FOG on the website & on County's SMD website (2018)
- (2) What was the percentage of SSOs due to:
- FOG
 - Roots
 - Other Causes
- (3) What was the total volume (gal) of SSOs that reached surface water?

Yes	✓	No	
<hr/>			
2019	2020	2021	2022
0	0	0	0
0	0	0	0
0	0	0	0
<hr/>			
0	0	0	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 issues?

2019	2020	2021	2022
0	0	0	0
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.

2018			
Yes		No	✓
Yes		*No	

J. SSMP Program Audit and Certification

(1) What was the overall effectiveness rating of the last audit?

1	2	3	4	5
Poor	Fair	Good	Very Good	Excellent

(2) What is the overall effectiveness rating of this audit?

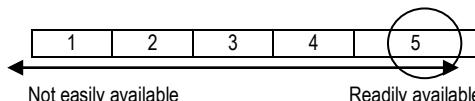
1	2	3	4	5
Poor	Fair	Good	Very Good	Excellent

K. Communication Program

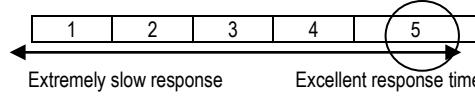
(1) List all communication methods utilized in disseminating information on FOG to stakeholders with implementation dates. (Done by the County)

Method	Date Last Implemented
Annual Report	2018
Door Hangers	Ongoing
Internet	2018
EPD/CSD Posters	Ongoing

(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?



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

As part of the ongoing efforts by CSMD to identify and correct any structural or maintenance deficiencies in the City's sewer system, CSMD has a 10-year cycle to complete the CCTV of all the sewer system under its jurisdiction. The City's next CCTV cycle should start in fiscal year 2024, and any results from that will be included in the City's future audits.

M. Comments

The continued implementation of the City's as well as the SMD's SSMPs has been very effective in keeping the total number of SSOs in the City below statewide average for cities its size. Based on the performance measures and other metrics shown on page 3, the City's SSMP and other sewer-related maintenance programs appear to have significantly enhanced the operation of the City's sewer collection system. While there were no SSOs directly due to the City's sewers, several private lateral SSOs occurred in 2021 and 2022. The City will investigate further if additional resources should be directed towards increased inspection related to the FOG program.

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			
Robert Swartz, Senior Civil Engineer			
City of Industry			
Mathew Hudson, Engineering Manager			

ENCLOSURE A

Yearly SSO Worksheet

YEARLY SSO WORKSHEET

YEAR 2019

SSO No.		Total Volume	Volume Recovered	Volume Reached Surface Water (gallons)	Response Time (hours)	Cause of SSO	Location (Private/Public)
TOTAL							
NO SPILLS REPORTED IN 2019							

YEAR 2020

SSO No.		Total Volume	Volume Recovered	Volume Reached Surface Water (gallons)	Response Time (hours)	Cause of SSO	Location (Private/Public)
TOTAL							
NO SPILLS REPORTED IN 2020							

YEAR 2021

SSO No.		Total Volume	Volume Recovered	Volume Reached Surface Water (gallons)	Response Time (hours)	Cause of SSO	Location (Private/Public)
TOTAL		280	0	250	0.83	Unknown	Private
		900	200	700	1.5	FOG	Private
TOTAL		1,180	200	950	2.33	1 Unknown, 1 FOG	2 Private

YEARLY SSO WORKSHEET

YEAR 2022

SSO No.		Total Volume	Volume Recovered	Volume Reacheded Surface Water (gallons)	Response Time (hours)	Cause of SSO	Location (Private/Public)
TOTAL	50	0	50	0.92	Other	Private	
						Private	
	50	0	50	0.92	1 Other	2 Private	

ENCLOSURE B

Maintenance Management System
Periodics Report Summary

Periodics Report for the City of INDUSTRY

2019 - 2022

DESCRIPTION	PIPE_LOCN	FREQUENCY	START DATE	PIPE LENGTH	2019	2020	2021	2022	INACTIVE
SPH: Sewer Siphon No. 2 on Mapsheet No. 2124 : MH #399 to #400	0399/2124-0400/2124	60 DAYS	1/1/1998	120	720	720	720	720	
SPH SwrSiphon #2 Msht #2218 MH 219-218	0218/2218-0219/2218	60 DAYS	1/1/1998	212	1,272	1,272	1,272	1,272	
SPH SwrSiphon #3 Msht #2218 MH 459-460	0459/2218-0460/2218	60 DAYS	1/1/1998	193	1,158	1,158	1,158	1,158	
SPH: Sewer Siphon No. 1 on Mapsheet No. 2261 : MH #276 to #277	0276/2261-0277/2261	60 DAYS	1/1/1998	183	1,098	1,098	1,098	1,098	
SPH: Sewer Siphon No. 1 on Mapsheet No. 2262 : MH #566 to #567	0566/2262-0567/2262	60 DAYS	1/1/1998	91	546	546	546	546	
SPH: Sewer Siphon No. 1 on Mapsheet No. 2305 : MH #5 to #4	0004/2305-0005/2305	60 DAYS	1/1/1998	99	594	594	594	594	
SPH: Sewer Siphon No. 1 on Mapsheet No. C-2218 : MH #188 to #189	0188/2218-0189/2218	60 DAYS	3/1/2001	216	1,296	1,296	1,296	1,296	
SPH: Sewer Siphon No. 1 on Mapsheet No. 2348: MH #670 to #671.	0670/2348-0671/2348	60 DAYS	9/1/2004	232	1,392	1,392	1,392	1,392	
H: Mapsheet No. 2124 - Cross Roads Pkwy. : Mh #382 to #385	0382/2124-0383/2124	30 DAYS	1/1/1998	309	3,708	3,708	3,708	3,708	
H: Mapsheet No. 2124 - Cross Roads Pkwy. : Mh #382 to #385	0383/2124-0384/2124	30 DAYS	1/1/1998	202	2,424	2,424	2,424	2,424	
H: Mapsheet No. 2124 - Cross Roads Pkwy. : Mh #382 to #385	0384/2124-0385/2124	30 DAYS	1/1/1998	150	1,800	1,800	1,800	1,800	
H: Mapsheet No. 2262 - R/W N/O Gale Av. : Mh #559 to #561	0559/2262-0560/2262	60 DAYS	2/1/1998	350	2,100	2,100	2,100	2,100	
H: Mapsheet No. 2262 - R/W N/O Gale Av. : Mh #559 to #561	0560/2262-0561/2262	60 DAYS	2/1/1998	350	2,100	2,100	2,100	2,100	

Periodics Report for the City of INDUSTRY

2019 - 2022

DESCRIPTION	PIPE_LOCN	FREQUENCY	START DATE	PIPE LENGTH	2019	2020	2021	2022	INACTIVE
H: Mapsheet No. 2172 - R/W N/O Gale Av. : Mh #492 to #495	0492/2172-0493/2172	120 DAYS	3/1/1998	350	1,050	1,050	1,050	1,050	
H: Mapsheet No. 2172 - R/W N/O Gale Av. : Mh #492 to #495	0494/2172-0495/2172	120 DAYS	3/1/1998	78	234	234	234	234	
H: Mapsheet No. 2172 - R/W N/O Gale Av. : Mh #492 to #495	0493/2172-0494/2172	120 DAYS	3/1/1998	350	1,050	1,050	1,050	1,050	
H: Mapsheet No. 2261 - W/S Hambleton Av. : Mh #260 to #257	0257/2261-0258/2261	120 DAYS	3/1/1998	350	1,050	1,050	1,050	1,050	
H: Mapsheet No. 2261 - W/S Hambleton Av. : Mh #260 to #257	0258/2261-0259/2261	120 DAYS	3/1/1998	148	444	444	444	444	
H: Mapsheet No. 2261 - W/S Hambleton Av. : Mh #260 to #257	0259/2261-0260/2261	120 DAYS	3/1/1998	190	570	570	570	570	
H: Mapsheet No. 2261 - E/S Hambleton Av. : Mh #96 to #261	0262/2261-0263/2261	90 DAYS	3/1/1998	108	432	432	432	432	
H: Mapsheet No. 2261 - E/S Hambleton Av. : Mh #96 to #261	0094/2261-0263/2261	90 DAYS	3/1/1998	311	1,244	1,244	1,244	1,244	
H: Mapsheet No. 2261 - E/S Hambleton Av. : Mh #96 to #261	0261/2261-0262/2261	90 DAYS	3/1/1998	152	608	608	608	608	
H:Mapsheet No. 2262 - R/W E/O Lawson St. : T/L to MH #533	0533/2262-0539/2262	90 DAYS	7/23/2002	200	800	800	800	800	
H:Mapsheet No. 2262 - R/W E/O Lawson St. : T/L to MH #533	0539/2262-0540/2262	90 DAYS	7/23/2002	310	1,240	1,240	1,240	1,240	
H:Mapsheet No. 2262 - R/W E/O Lawson St. : T/L to MH #533	0540/2262-0541/2262	90 DAYS	7/23/2002	350	1,400	1,400	1,400	1,400	
H:Mapsheet No. 2262 - R/W E/O Lawson St. : T/L to MH #533	0541/2262-0542/2262	90 DAYS	7/23/2002	350	1,400	1,400	1,400	1,400	

Periodics Report for the City of INDUSTRY

2019 - 2022

DESCRIPTION	PIPE_LOCN	FREQUENCY	START DATE	PIPE LENGTH	2019	2020	2021	2022	INACTIVE
H:Mapsheet No. 2262 - R/W E/O Lawson St. : T/L to MH #533	0542/2262-TRNK/2262	90 DAYS	7/23/2002	50	200	200	200	200	
H: Mapsheet No. 2074 - R/W E/O Peck Rd. : Mh #47 to Mh #203	0047/2074-0208/2074	90 DAYS	12/16/2002	108	432	432	432	432	
H: Mapsheet No. 2074 - R/W E/O Peck Rd. : Mh #47 to Mh #203	0203/2074-0207/2074	90 DAYS	12/16/2002	171	684	684	684	684	
H: Mapsheet No. 2074 - R/W E/O Peck Rd. : Mh #47 to Mh #203	0207/2074-0208/2074	90 DAYS	12/16/2002	350	1,400	1,400	1,400	1,400	
H: Mapsheet No. 2124 -Workman Mill Rd. : MH #374 to MH #377	0375/2124-0376/2124	90 DAYS	1/19/2005	350	1,400	1,400	1,400	1,400	
H: Mapsheet No. 2124 -Workman Mill Rd. : MH #374 to MH #377	0376/2124-0377/2124	90 DAYS	1/19/2005	282	1,128	1,128	1,128	1,128	
H: Mapsheet No. 2305 - R/W E/O Charlie Rd. : Mh #281 to #284	0281/2305-0284/2305	90 DAYS	2/26/2005	305	1,220	1,220	1,220	1,220	
H: Mapsheet No. 2262 - Rowland St. Mh# 533 to Mh# 531	0531/2262-0532/2262	90 DAYS	11/21/2002	328	1,312	1,312	1,312	1,312	
H: Mapsheet No. 2262 - Rowland St. Mh# 533 to Mh# 531	0532/2262-0533/2262	90 DAYS	11/21/2002	104	416	416	416	416	
H: Mapsheet No. 2262- R/W #2 4th MH E/O AZUSA: MH 63 to 53	0053/2262-0054/2262	60 DAYS	7/21/2009	296	1,776	1,776	1,776	1,776	
H: Mapsheet No. 2262- R/W #2 4th MH E/O AZUSA: MH 63 to 53	0054/2262-0055/2262	60 DAYS	7/21/2009	215	1,290	1,290	1,290	1,290	
H: Mapsheet No. 2262- R/W #2 4th MH E/O AZUSA: MH 63 to 53	0055/2262-0056/2262	60 DAYS	7/21/2009	266	1,596	1,596	1,596	1,596	
H: Mapsheet No. 2262- R/W #2 4th MH E/O AZUSA: MH 63 to 53	0056/2262-0057/2262	60 DAYS	7/21/2009	208	1,248	1,248	1,248	1,248	

Periodics Report for the City of INDUSTRY

2019 - 2022

DESCRIPTION	PIPE_LOCN	FREQUENCY	START DATE	PIPE LENGTH	2019	2020	2021	2022	INACTIVE
H: Mapsheet No. 2262- R/W #2 4th MH E/O AZUSA: MH 63 to 53	0057/2262-0058/2262	60 DAYS	7/21/2009	215	1,290	1,290	1,290	1,290	
H: Mapsheet No. 2262- R/W #2 4th MH E/O AZUSA: MH 63 to 53	0058/2262-0059/2262	60 DAYS	7/21/2009	99	594	594	594	594	
H: Mapsheet No. 2262- R/W #2 4th MH E/O AZUSA: MH 63 to 53	0059/2262-0060/2262	60 DAYS	7/21/2009	234	1,404	1,404	1,404	1,404	
H: Mapsheet No. 2262- R/W #2 4th MH E/O AZUSA: MH 63 to 53	0060/2262-0061/2262	60 DAYS	7/21/2009	230	1,380	1,380	1,380	1,380	
H: Mapsheet No. 2262- R/W #2 4th MH E/O AZUSA: MH 63 to 53	0061/2262-0062/2262	60 DAYS	7/21/2009	299	1,794	1,794	1,794	1,794	
H: Mapsheet No. 2262- R/W #2 4th MH E/O AZUSA: MH 63 to 53	0062/2262-0063/2262	60 DAYS	7/21/2009	298	1,788	1,788	1,788	1,788	
H Msht C-2219 R/W W/O DARIUS COURT MH 453 to MH 261	0261/2219-0453/2219	90 DAYS	3/22/2010	257	1,028	1,028	1,028	1,028	
H(Lumberjack): Mapsheet No. 2218 R/W N/O Don Julian Rd. from MH 8 to MH 9	0008/2218-0009/2218	90 DAYS	2/14/2013	325	1,300	1,300	1,300	1,300	
H: Mapsheet No. 2305 R/W S/O 60 FRWY from MH 27 to MH 405 (C-2305)	0024/2305-0670/2305	120 DAYS	10/21/2014	170	510	510	510	510	
H: Mapsheet No. 2305 R/W S/O 60 FRWY from MH 27 to MH 405 (C-2305)	0670/2305-0405/2262	120 DAYS	10/21/2014	321	963	963	963	963	
H: Mapsheet No. 2262 - Gale Ave from MH 16 to MH 18	0016/2262-0017/2262	90 DAYS	4/25/2017	304	1,216	1,216	1,216	1,216	
H: Mapsheet No. 2262 - Gale Ave from MH 16 to MH 18	0017/2262-0018/2262	90 DAYS	4/25/2017	321	1,284	1,284	1,284	1,284	
H: Mapsheet No. 2124 Crossroads Pkwy from mh 379 to mh 380	0379/2124-0380/2124	90 DAYS	5/4/2018	350	1,400	1,400	1,400	1,400	

Periodics Report for the City of INDUSTRY

2019 - 2022

DESCRIPTION	PIPE_LOCN	FREQUENCY	START DATE	PIPE LENGTH	2019	2020	2021	2022	INACTIVE
H: Mapsheet No. 2171 Ninth St. from mh 464 in C-2172 to mh 446	0447/2171-0448/2171	90 DAYS	10/2/2020	341		691	1,383	1,383	
H: Mapsheet No. 2171 Ninth St. from mh 464 in C-2172 to mh 446	0446/2171-0447/2171	90 DAYS	10/2/2020	341		691	1,383	1,383	
H: Mapsheet No. 2171 Ninth St. from mh 464 in C-2172 to mh 446	0448/2171-0449/2171	90 DAYS	10/2/2020	341		691	1,383	1,383	
H: Mapsheet No. 2171 Ninth St. from mh 464 in C-2172 to mh 446	0464/2172-0449/2171	90 DAYS	10/2/2020	341		691	1,383	1,383	
R: Mapsheet No.2075-Rose Hills From Mh 133 to MH 137 (120 DAYS)	0133/2075-0135/2075	120 DAYS	2/12/2002	325	975	975	975	975	
R: Mapsheet No.2075-Rose Hills From Mh 133 to MH 137 (120 DAYS)	0135/2075-0137/2075	120 DAYS	2/12/2002	382	1,146	1,146	1,146	1,146	
R: Mapsheet No. 2305 - San Jose Av. : Mh #314 to #316	0314/2305-0315/2305	90 DAYS	2/1/1998	355	1,420	1,420	1,420	1,420	
R: Mapsheet No. 2305 - San Jose Av. : Mh #314 to #316	0315/2305-0316/2305	90 DAYS	2/1/1998	308	1,232	1,232	1,232	1,232	
R: Mapsheet No. 2261 - E/S Hambledon Av. : MH #96 to #261	0261/2261-0262/2261	90 DAYS	11/29/2005	152	608	432	432	432	
R: Mapsheet No. 2261 - E/S Hambledon Av. : MH #96 to #261	0094/2261-0263/2261	90 DAYS	11/29/2005	311	1,244	1,244	1,244	1,244	
R: Mapsheet No. 2261 - E/S Hambledon Av. : MH #96 to #261	0262/2261-0263/2261	90 DAYS	11/29/2005	108	432	432	432	432	
R: Mapsheet No. 2305 - R/W E/O Charlie Rd. : Mh #281 to T/L	0281/2305-0284/2305	90 DAYS	2/26/2005	305	1,220	1,220	1,220	1,220	
R: Mapsheet No. 2305 - R/W E/O Charlie Rd. : Mh #281 to T/L	0284/2305-TRNK/2305	90 DAYS	2/26/2005	74	296	296	296	296	

Periodics Report for the City of INDUSTRY

2019 - 2022

DESCRIPTION	PIPE_LOCN	FREQUENCY	START DATE	PIPE LENGTH	2019	2020	2021	2022	INACTIVE
R: Mapsheet No. 2218 - Proctor Ave. : MH #705 to MH #148	0147/2218-0148/2218	90 DAYS	12/17/2005	308	1,232	1,232	1,232	1,232	
R: Mapsheet No. 2218 - Proctor Ave. : MH #705 to MH #148	0705/2218-0147/2218	90 DAYS	12/17/2005	215	860	860	860	860	
Total Pipe Length (ft): 16,617 (3.15 miles) Grand Total (ft): 72,448 75,038 77,804 77,804 Grand Total (mile): 13.72 14.21 14.74 14.74 Sewers (count): 63 67 67 67									

ENCLOSURE C

Map of Hot Spots/Periodics

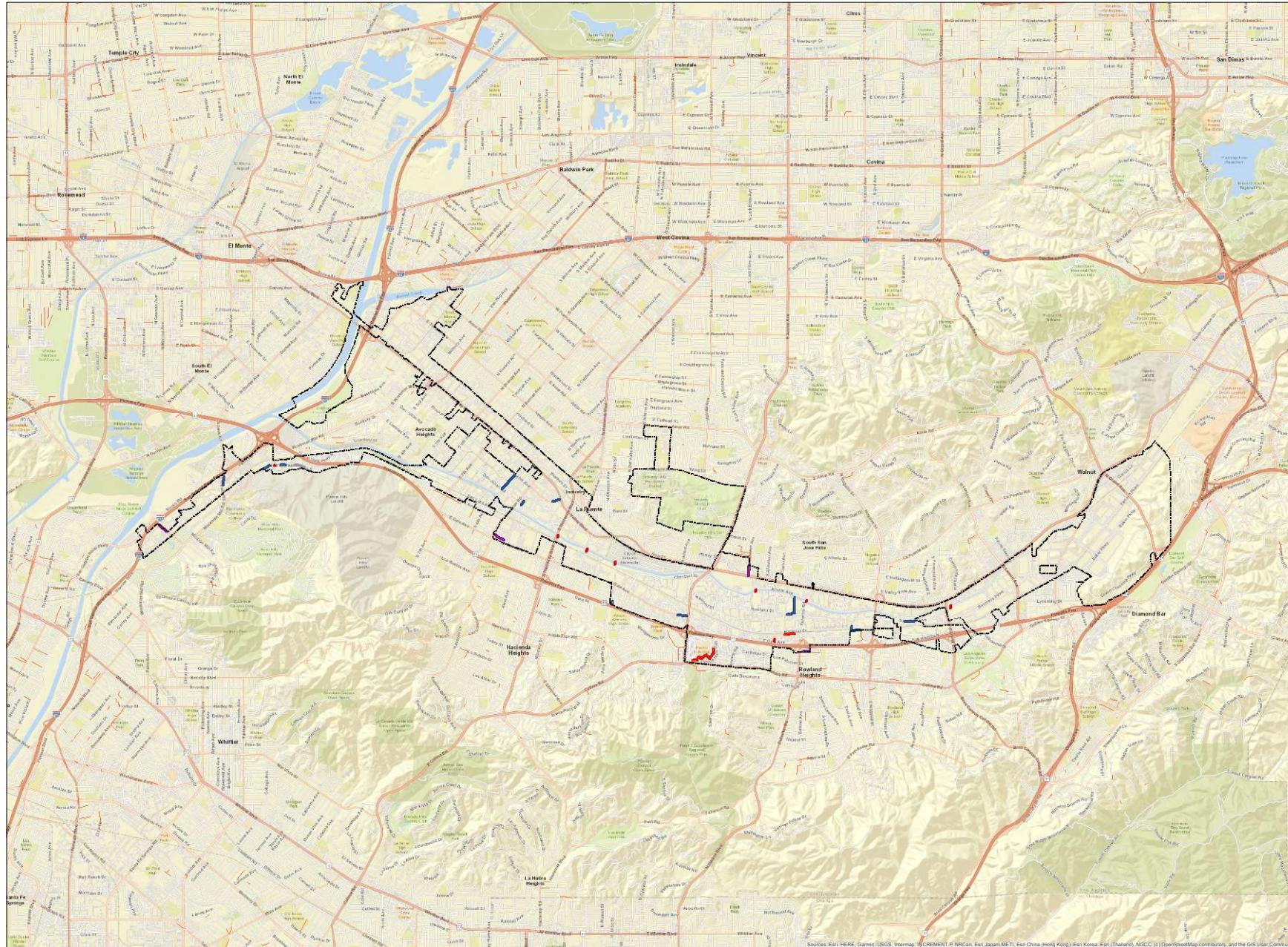
Maintenance Map Periodics

City of Industry

Legend

Periodics

- 30 DAYS
- 60 DAYS
- 90 DAYS
- 120 DAYS
- Gravity Sewers



0 0.5 1 1.5 2
Miles

ENCLOSURE D

Productivity Reports

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM – DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2019
CITY OF INDUSTRY**

Total Pipe Length (feet) as of December 31, 2019 264,161

Total Manholes as of December 31, 2019: 1,071

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 109,173
 - Periodic Cleaning (feet): 67,220
- Mechanically Rodded (feet): 12,752
 - Periodic Cleaning (feet): 12,752

Manholes

- Inspected: 2,142
- Adjusted: 61

SERVICE REQUESTS

Responded to:

- False Alarms: 0
- Stoppages: 0
- Overflows: 0
- Flood-outs: 0
- Roach Complaints: 0
- Misc.: 0
- Other: 10
- Service Requests Responded: 10

TELEVISING

Feet Televised: 2,771

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 0

PUMP STATIONS

Total Number of Pump Stations:0

 Total Routine Maintenance/Repair: 0

 Total Major Repairs: 0

 Total Emergency Response: 0

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 0

ACCUMULATIVE CAPITAL OUTLAY PROJECTS

Sewer Projects Reconstructed/Rehabilitated: 0

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM – DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2020
CITY OF INDUSTRY**

Total Pipe Length (feet) as of December 31, 2020: 264,161

Total Manholes as of December 31, 2020: 1,071

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 120,410
 - Periodic Cleaning (feet): 64,714
- Mechanically Rodded (feet): 11,679
 - Periodic Cleaning (feet): 13,079

Manholes

- Inspected: 2,142
- Adjusted: 23

SERVICE REQUESTS

Responded to:

- False Alarms: 1
- Stoppages: 0
- Overflows: 0
- Flood-outs: 0
- Roach Complaints: 0
- Misc.: 0
- Other: 6
- Service Requests Responded: 7

TELEVISING

Feet Televised: 4,422

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 2

PUMP STATIONS

Total Number of Pump Stations:0

 Total Routine Maintenance/Repair: 0

 Total Major Repairs: 0

 Total Emergency Response: 0

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 0

ACCUMULATIVE CAPITAL OUTLAY PROJECTS

Sewer Projects Reconstructed/Rehabilitated: 0

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM – DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2021
CITY OF INDUSTRY**

Total Pipe Length (feet) as of December 31, 2021: 264,161

Total Manholes as of December 31, 2021: 1,071

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 80,488
 - Periodic Cleaning (feet): 63,668
- Mechanically Rodded (feet): 13,485
 - Periodic Cleaning (feet): 12,685

Manholes

- Inspected: 2,142
- Adjusted: 1

SERVICE REQUESTS

Responded to:

- False Alarms: 1
- Stoppages: 0
- Overflows: 2
- Flood-outs: 0
- Roach Complaints: 0
- Misc.: 0
- Other: 9
- Service Requests Responded: 12

TELEVISING

Feet Televised: 2,312

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 0

PUMP STATIONS

Total Number of Pump Stations: 0

Total Routine Maintenance/Repair: 0

Total Major Repairs: 0

Total Emergency Response: 0

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 0

ACCUMULATIVE CAPITAL OUTLAY PROJECTS

Sewer Projects Reconstructed/Rehabilitated: 0

**SEWER MAINTENANCE PRODUCTIVITY REPORT
COLLECTION SYSTEM – DIVISION LEVEL
FIELD WORK COMPLETED: JANUARY 1 TO DECEMBER 31, 2022
CITY OF INDUSTRY**

Total Pipe Length (feet) as of December 31, 2022: 264,161

Total Manholes as of December 31, 2022: 1,071

PREVENTIVE MAINTENANCE ACTIVITIES

Sewer Pipe

- Hydro Cleaned (feet): 88,649
 - Periodic Cleaning (feet): 43,210
- Mechanically Rodded (feet): 11,915
 - Periodic Cleaning (feet): 10,284

Manholes

- Inspected: 2,142
- Adjusted: 3

SERVICE REQUESTS

Responded to:

- False Alarms: 1
- Stoppages: 0
- Overflows: 0
- Flood-outs: 0
- Roach Complaints: 1
- Misc.: 0
- Other: 5
- Service Requests Responded: 7

TELEVISING

Feet Televised: 0

ROOT CONTROL

Sewer Pipes Treated for Roots (feet): 0

CONSTRUCTION

Saddle Installation(s): 0

PUMP STATIONS

Total Number of Pump Stations: 0

 Total Routine Maintenance/Repair: 0

 Total Major Repairs: 0

 Total Emergency Response: 0

ANNEXATIONS

Parcel(s) Annexed to the CSMD: 0

ACCUMULATIVE CAPITAL OUTLAY PROJECTS

Sewer Projects Reconstructed/Rehabilitated: 0

ENCLOSURE E

California Integrated Water Quality
System Certified SSO Reports

PLSD - General Information [?](#)[SSO Menu](#)

PLSD ID: 879455

Regional Water
Board:

4

General Info

[Glossary of Terms](#)[Locate the spill on map](#)**1 - Spill Location Name:****2 - Estimate spill volume?** 50**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 a separate storm drainpipe**6 - Estimated volume of spill recovered:** 0 gallons**7 - Estimated volume of spill that reached surface water, drainage channel, or not recovered from a separate storm drain:** 0 gallons

Physical Location Details (Enter either lat/Lon or Address)

8 - Latitude of spill location: 33.995**9 - Longitude of spill location:** -117.90801**12 - City:** Industry **13 - State:** CA **14 - Zip:****10 - Address:** 18246 Gale Avenue**13 - City:** Industry **14 - Zip:****15 - Spill location description:** CSMD Map Sheet No. 2262 MMS No. 7576924**Spill Details****16 - Spill appearance point:** Lateral Clean Out (Private)**17 - Spill appearance point explanation:****18 - Final spill destination:** Other (specify below);Unpaved surface**19 - Explanation of final spill destination:** Sewage discharged from private clean out that was caused by blockage in the lateral into dirt near private clean-out.**20 - Estimated spill start date/time:** 2022-01-10 14:15:00.0**21 - Date and time sanitary sewer system agency was notified of or discovered spill:** 2022-01-10 14:30:00.0**22 - Estimated Operator arrival date/time:** 2022-01-10 15:10:00.0

23 - Estimated spill end date/time:**24 - Spill cause:** Other (specify below)**25 - Spill cause explanation:** Unknown**26 - PLSD Source:** null**27 - Explaination of PLSD Source** null**28 - Where did failure occur?** Other (specify below)**29 - Explanation of Where failure occurred:** Private lateral**30 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable):** 0**31 - Material of sewer pipe at the point of blockage or spill cause (if applicable):****32 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable):** 0**33 - Spill response activities:** Other (specify below);Other Enforcement Agency Notified**34 - Explanation of spill response activities:** Hydro jet equipment was used to clean County mainline and no obstructions were found. Problem was in the lateral. Notified the complainant to contact plumber. Notified agencies.

PLSD - General Information [?](#)[SSO Menu](#)

PLSD ID: 874121

Regional Water
Board:

4

General Info

[Glossary of Terms](#)[Locate the spill on map](#)**1 - Spill Location Name:****2 - Estimate spill volume?** 280**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**6 - Estimated volume of spill recovered:** 0 gallons**7 - Estimated volume of spill that reached surface water, drainage channel, or not recovered from a separate storm drain:** 250 gallons

Physical Location Details (Enter either lat/Lon or Address)

8 - Latitude of spill location: 34.01569**9 - Longitude of spill location:** -117.95025**12 - City:** Industry **13 - State:** CA **14 - Zip:****10 - Address:** 16125 Valley Boulevard**13 - City:** Industry **14 - Zip:****15 - Spill location description:** CSMD Mapsheet No. 2218 MMS No. 7232379**Spill Details****16 - Spill appearance point:** Other sewer system structure**17 - Spill appearance point explanation:** Private pipe fixture on southside of building 16125 Valley Boulevard.**18 - Final spill destination:** Drainage Channel;Separate Storm Drain;Street/Curb and Gutter**19 - Explanation of final spill destination:****20 - Estimated spill start date/time:** 2021-05-12 20:25:00.0**21 - Date and time sanitary sewer system agency was notified of or discovered spill:** 2021-05-12 20:35:00.0**22 - Estimated Operator arrival date/time:** 2021-05-12 21:15:00.0

23 - Estimated spill end date/time:

24 - Spill cause: Other (specify below)

25 - Spill cause explanation: Unknown. Private system.

26 - PLSD Source: Industrial Property

27 - Explaination of PLSD Source null

28 - Where did failure occur? Other (specify below)

29 - Explanation of Where failure occurred: Private pipe fixture on southside of building 16125 Valley Boulevard.

30 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable): 0

31 - Material of sewer pipe at the point of blockage or spill cause (if applicable):

32 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable): 0

33 - Spill response activities: Other (specify below);Other Enforcement Agency Notified

34 - Explanation of spill response activities: Upon arrival, County mainline was down and running normal. Hydro jet equipment was used to make sure there are no obstructions. The problem was in private system (unknown).

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PLSD - General Information [?](#)[SSO Menu](#)

PLSD ID: 878758

Regional Water
Board:

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General Info

[Glossary of Terms](#)[Locate the spill on map](#)**1 - Spill Location Name:****2 - Estimate spill volume?** 900**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**6 - Estimated volume of spill recovered:** 200 gallons**7 - Estimated volume of spill that reached surface water, drainage channel, or not recovered from a separate storm drain:** 700 gallons

Physical Location Details (Enter either lat/Lon or Address)

8 - Latitude of spill location: 34.02135**9 - Longitude of spill location:** -117.96279**12 - City:** Industry **13 - State:** CA **14 - Zip:****10 - Address:** 15430 Proctor Avenue**13 - City:** Industry **14 - Zip:****15 - Spill location description:** CSMD Map Sheet No. 2218 MMS No. 7553282**Spill Details****16 - Spill appearance point:** Other sewer system structure**17 - Spill appearance point explanation:** Private Manhole**18 - Final spill destination:** Other (specify below);Separate Storm Drain**19 - Explanation of final spill destination:** Sewage discharged from private line into storm drain at 300 Proctor Avenue, which leads to Bassett Channel / San Gabriel River - Santa Fe Dam to Thienes Ave**20 - Estimated spill start date/time:** 2021-12-15 15:00:00.0**21 - Date and time sanitary sewer system agency was notified of or discovered spill:** 2021-12-15 16:00:00.0**22 - Estimated Operator arrival date/time:** 2021-12-15 16:30:00.0**23 - Estimated spill end date/time:** 2021-12-15 19:15:00.0

24 - Spill cause:	Grease Deposition (FOG)
25 - Spill cause explanation:	
26 - PLSD Source:	Industrial Property
27 - Explaination of PLSD Source	null
28 - Where did failure occur?	Other (specify below)
29 - Explanation of Where failure occurred:	Lateral (Private)
30 - Diameter of sewer pipe at the point of blockage or spill cause (if applicable):	0
31 - Material of sewer pipe at the point of blockage or spill cause (if applicable):	
32 - Estimated age of sewer pipe at the point of blockage or spill cause (if applicable):	0
33 - Spill response activities:	Other (specify below);Restored flow;Returned Portion of Spill to Sanitary Sewer System;Other Enforcement Agency Notified
34 - Explanation of spill response activities:	Used hand rodder equipment to break down the lateral (private) line grease blockage. Notified all required agencies.

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