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February 20, 2020

Ms. Bailey Taylor  
Enforcement Coordinator, Office of Water Quality  
Arkansas Energy and Environment / Environmental Quality  
5301 Northshore Drive  
North Little Rock, Arkansas 72118

Re: Mountain Home Corrective Action Plan  
Wastewater Collection System Fifth Quarter Report  
Permit #AR0021211  
AFIN: 03-00039

Dear Ms. Taylor:

On behalf of the City of Mountain Home, we are submitting the Mountain Home Wastewater Collection System Fifth Quarter Report addressing the continued maintenance and additional compliance efforts, as described in the Corrective Action Plan, dated December 14, 2018, for reducing Sanitary Sewer Overflows.

If you have any questions, please feel free to call me at Garver or Alma Clark at the City of Mountain Home.

Sincerely,

GARVER, LLC

Kirby B. Rowland, P.E.  
Senior Project Manager

Cc: Honorable Mayor Hillrey Adams, City of Mountain Home  
Alma Clark, City of Mountain Home  
Terry Sanders, City of Mountain Home



# **Corrective Action Plan Mountain Home, Arkansas**

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## **WASTEWATER COLLECTION SYSTEM Fifth Quarter Report March 1, 2020**

**NPDES Permit Number AR0021211  
AFIN: 03-00039**



### Engineer's Certification

I hereby certify that this Corrective Action Plan, Fifth Quarter Report dated March 1, 2020, was prepared by Garver under my direct supervision for the City of Mountain Home.

A handwritten signature in blue ink that reads "Kirby B. Rowland".

Kirby B. Rowland, PE  
State of Arkansas PE License 5168



Garver LLC  
Arkansas Certification of Authorization  
Certificate Number 766  
Expires 12/31/2020





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## 1. Fifth Quarter Report

This report covers the three-month period from November 2019 to January 2020. Because this report is due March 1, 2020, the information for February 2020 could not be compiled in time for inclusion by the March 1<sup>st</sup> deadline. Subsequent quarterly reports will also reflect the 3-month period that will end one month before the report deadline.

### a. Wastewater System Maintenance

The following information updates items of equipment and work that has been done concerning the wastewater collection system maintenance to reduce sewer overflows.

- Work Crews

- Line Cleaning

Line cleaning records for this quarter are attached in APPENDIX A – LINE CLEANING RECORDS. Maps showing these areas that have been cleaned in the various parts of the City are highlighted and attached in APPENDIX B – LINE CLEANING MAPS.

- Closed Circuit Television (CCTV)

CCTV records for this quarter are attached in APPENDIX C – CCTV CAMERA EXAMINATION RECORDS.

- Repair / Maintenance

As problems are found through the inspections, work orders are produced to get the problems fixed. These work orders are attached in APPENDIX D – SEWER REPAIR AND REPLACEMENT RECORDS. These repairs reflect irregular sewer main conditions found during the line cleaning, CCTV, and smoke testing.

- Lift Stations

Lift station maintenance beyond the normal everyday inspections is typically done when a VACTOR truck is used to pump out wet wells when needed. Included in APPENDIX E – LIFT STATION MAINTENANCE RECORDS are the lift station cleaning records and pump run times for each month.



**(b) Additional Compliance Efforts to Reduce Sanitary Sewer Overflows (SSO's)**

The following is an update on the efforts in addition to the current ongoing measures that are being done to address the SSO's, as noted in the Corrective Action Plan (CAP) dated December 14, 2018.

- **Additional Assets**

The new VACTOR truck, the new CCTV Camera, and flow measurement equipment are now in use.

- **Fats, Oils, and Grease (FOG) Program**

The FOG outreach program is ongoing.

- **Clearing Right of Way**

No maintenance mowing or Right of Way inspection work was done this quarter.

- **Smoke Testing**

Smoke testing work is on a 3-year schedule such that the entire system will again be smoked tested in 2022.

**(c) Rainfall and Overflow Events**

For informational purposes, daily rainfall records are included in APPENDIX F – RAINFALL RECORDS, that were examined for any infrequent rainfall amounts that might have occurred that would influence potential overflow events.

Three overflows occurred this quarter and that information is included in APPENDIX G – OVERFLOW RECORDS.

**2. Report Summary**

The City continues to accomplish the work proposed in the Corrective Action Plan dated December 14, 2018 and the January 14, 2019 letter to the Arkansas Energy and Environment / Environmental Quality.

The Sixth Quarter Report will be submitted by June 1, 2020, and will encompass the months of February, March, and April 2020.

APPENDIX A  
LINE CLEANING RECORDS

### Sewer Maintenance Daily Information

Date: 11-1-19

Operator: DEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: 7th WALMART

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 900  
 Feet of sewer line cleaned due to stop-ups: \_\_\_\_\_  
 Number of stop-ups: \_\_\_\_\_

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1. <u>HELP DENEGY</u>	<u>7th ST</u>	<u>0700</u>	<u>0900</u>		
2. <u>1000 GAL</u>	<u>ARK</u>	<u>0900</u>	<u>0915</u>		
3. <u>094-053</u>	<u>094-055</u>	<u>1000</u>	<u>1030</u>	<u>250</u>	<u>ST</u>
4. <u>094-050</u>	<u>094-053</u>	<u>1030</u>	<u>1100</u>	<u>200</u>	<u>ST</u>
5. <u>094-045</u>	<u>094-050</u>	<u>1100</u>	<u>1115</u>	<u>350</u>	<u>ST</u>
6. <u>1000 GAL</u>	<u>WALMART</u>	<u>1115</u>	<u>1130</u>		
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

Comments (problem areas or customer info).  
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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Turn this in to your foreman each morning.



### Sewer Maintenance Daily Information

Date: 11-4-19 Operator: Hastings Hours Worked 8  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: Elizabeth Dr / Ozark Cir

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 1900  
 Feet of sewer line cleaned due to stop-ups: \_\_\_\_\_  
 Number of stop-ups: \_\_\_\_\_

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	108-212	108-170	0745	0815	600	ST
2.	108-260	108-275	0820	0830	200	ST
3.	108-260	108-212	0830	0840	200	ST
4.	108-265	108-260	0840	0910	200	ST
5.	600 Elizabeth	1000 gal	09:10	09:25		
6.	108-035	108-040	10:00	10:15	200	ST
7.	108-025	108-035	10:20	10:45	500	ST
8.	1000 Gal	1225 Commerce	10:45	11:00		
9.	upright Porta toilet @ Ponds		11:00	11:30		
10.	Assist Tyler		12:30	<del>12:15</del>		
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-5-19

Operator: BEER  
 Laborer: STUBBS  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 5  
 Hours Worked \_\_\_\_\_

Location / Address: \_\_\_\_\_  
 \_\_\_\_\_

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 8  
 Feet of sewer line cleaned due to stop-ups: \_\_\_\_\_  
 Number of stop-ups: 6

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

1.	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	CLEAN PTS		0700	1030		
2.	WORK FOR	410R	1030	1200		
3.	WORK FOR	DERBY	1230	1500		
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
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 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-8-19

Operator: BEER  
 Laborer: STELING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: WATER PLANT

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 0  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	VAC WATER	<del>11:11</del>	<del>11:11</del>	35,000	9A1
2.	VACUUM			3000	9A1
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

Comments (problem areas or customer info).  
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 \_\_\_\_\_  
 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-12-19      Operator: BEEBE      Hours Worked 8  
 Laborer: STIRLING      Hours Worked 8  
 Laborer: \_\_\_\_\_      Hours Worked \_\_\_\_\_

Location / Address: BRYANT BUZZARD ROOST

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 500 0  
 Feet of sewer line cleaned due to stop-ups: 500  
 Number of stop-ups: 1

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

#	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	15 <sup>o</sup>		0700	1100		
2.	138 - 310	138 - 290	1130	1130	500	ST (S)
3.	SHOW STIRLING MIDWAY SYSTEM		1230	1430		
4.	WORK FOR TYLOR		1430	1530		
5.	1000 GAL	62	1430	1445		
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
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 \_\_\_\_\_  
 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-13-19

Operator: BEEBE  
 Laborer: STIRLINS  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: WATER TREATMENT

Portable / (VacCon) (circle)

Feet of sewer line cleaned regular maintenance: \_\_\_\_\_

Feet of sewer line cleaned due to stop-ups: \_\_\_\_\_

Number of stop-ups: \_\_\_\_\_

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

#	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	<del>190</del> 190		0700	0900		
2.	WATER TREATMENT PLANT		0900	1400		
3.	WATER	1				1000 9A!
4.	Sludge	THH				6000 9A!
5.	FLAT TIRE	320 FIX	1400	1530		
6.						
7.						
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11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-14-19 Operator: BEEBE Hours Worked 8  
 Laborer: STIRLING Hours Worked 7  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: 9<sup>th</sup> ARK

Portable /  VacCon (circle)

Feet of sewer line cleaned regular maintenance: 900  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	CPR CLASS	0700	1200		
2.	139-400	139-403	1245	1330	300 ST
3.	1000 9A1	McLURE	1230	1245	
4.	105-020	089-137	1400	1430	600 ST
5.	1000 9A1	ARK	1430	1445	
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

Comments (problem areas or customer info).  
NO TIME TO WORK AT WATER TREATMENT  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-15-19

Operator: Hastings  
 Laborer: \_\_\_\_\_  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked \_\_\_\_\_  
 Hours Worked \_\_\_\_\_

Location / Address: Porta-toilets

Portable / MacCon (circle)

Feet of sewer line cleaned regular maintenance: 0

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	<del>Porta</del> <u>Porta toilets</u>		<u>0700</u>	<u>1200</u>		
2.	<u>clean &amp; grease truck 3W</u>		<u>1:00p</u>	<u>3:00p</u>		
3.						
4.						
5.						
6.						
7.						
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12.						
13.						
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15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

## Sewer Maintenance Daily Information

Date: 11-16-19

Operator: Beebe  
 Laborer: Hastings  
 Laborer: \_\_\_\_\_

Hours Worked 4  
 Hours Worked 6  
 Hours Worked \_\_\_\_\_

Location / Address: Water Plant

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 0

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	vac Sludge	12 000 gal	0700	1400		
2.	cleaned truck		1400	1500		
3.	resweld truck		1300	1330		
4.	resweld w/water	1000 gal				
5.						
6.						
7.						
8.						
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11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.



### Sewer Maintenance Daily Information

Date: 11-19-19

Operator: Beebe  
 Laborer: Hastings  
 Laborer: \_\_\_\_\_

Hours Worked \_\_\_\_\_  
 Hours Worked 6  
 Hours Worked \_\_\_\_\_

Location / Address: Water plant 9<sup>th</sup>

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 1350  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	Sludge	6,000 gal	0700	1200		
2.	139-370	END	1230	1300	350	ST
3.	139-375	139-370	1300	1330	400	ST
4.	139 NO#	139-400	1330	1400	500	ST
5.	139 NO#	139-375	1400	1430	100	ST
6.	1000 gal	WAVELY	1430	1445		
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-20-19

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: WATER TREATMENT

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 0

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	WATER TREATMENT		0730	1430		
2.	Sludge					
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-21-19

Operator: BEEBE

Hours Worked 8

Laborer: STIRLING

Hours Worked 8

Laborer: \_\_\_\_\_

Hours Worked \_\_\_\_\_

Location / Address: WATER TREATMENT

Portable /  VacCon (circle)

Feet of sewer line cleaned regular maintenance: 0

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

#	MH# From	MH# To	Time Started	Time Ended	Footage	* Device
1.	WATER TREATMENT		0730	1000		
2.	Sludge	111	7000	gal	FILLED	Dump site
3.	SHUT DOWN	CLEAN TRUCK				
4.	CLEAN P/T'S		1000	1430		
5.	1000 gal	102	1430	1445		
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
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 \_\_\_\_\_  
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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-22-19

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked \_\_\_\_\_  
 Hours Worked \_\_\_\_\_

Location / Address: WALMART

Portable / (VacCon) (circle)

Feet of sewer line cleaned regular maintenance: 4200

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	094-030	094-040	0700	0730	300	ST
2.	094-030	094-060	0730	0745	300	ST
3.	1000 9A1	WALMART	0745	0800		
4.	094-002	094-030	0800	0830	450	ST
5.	094-005	094-063	0800	0900	550	ST
6.	1000 9A1	62	0900	0915		
7.	094-025	094-005	0915	0930	500	ST
8.	110-005	094-025	0930	0945	450	ST
9.	1000 9A1	WALMART	0945	1000		
10.	110-001	110-005	1000	1015	400	ST
11.	110-001	094-002	1015	1030	400	ST
12.	1000 9A1	WALMART	1030	1045		
13.	110-009	110-001	1045	1100	450	ST
14.	110-012	110-009	1100	1130	400	
15.	GET DEF	FOR WH	1230	1330		

INSPECT MH'S DOWNSTREAM FROM 110-012 1330-1430

Comments (problem areas or customer info).

MH 094-045 AND MH 094-060 BURIED

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-25-19

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: 62 NELSON 8<sup>th</sup> PAUL WADE PARK

Portable  VacCon (circle)

Feet of sewer line cleaned regular maintenance: 3650  
 Feet of sewer line cleaned due to stop-ups: 8  
 Number of stop-ups: 8

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	153-340	153-335	0700	0730	300	ST
2.	153-345	153-340	0730	0745	150	ST
3.	153-350	153-345	0745	0800	150	ST
4.	1000 9A1	PAUL	0800	0815		
5.	153-360	153-350	0815	0845	400	ST
6.	153-365	153- <del>END</del>	0845	0900	200	ST
7.	1000 9A1	PAUL	0900	0915		
8.	153-370	END	0915	0930	200	ST
9.	153-370	153-365	0930	0945	300	ST
10.	Dig up 8 <sup>th</sup>	KEVIN	0945	1015		
11.	1000 9A1	6 <sup>th</sup>	1015	1030		
12.	153-375	153-370	1030	1100	300	ST
13.	153-380	153-375	1100	1115	500	ST
14.	153-380	153- <del>END</del>	1115	1130	500	ST
15.	1000 9A1	NELSON	1130	1145		
	169-195	153-380	1230	1300	400	ST
	165-360	105-355	1300	1330	450	ST
	1000 9A1	BENTON	1330	1345		

Comments (problem areas or customer info):

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-26-19 Operator: BEEBE Hours Worked 8  
 Laborer: STIRLING Hours Worked 8  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: BOMBER SOUTH OAK MEADOW

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 5400  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	152-010	152-005	0700	0730	600	ST
2.	1000 gal	BOMBER	0730	0745		
3.	152-015	152-065	0745	0800	200	ST
4.	152-015	152-010	0800	0830	350	ST
5.	152-025	152-015	0830	0845	600	ST
6.	1000 gal	BOMBER	0845	0900		
7.	153-180	152-025	0900	0930	500	ST
8.	153-200	153-180	0930	1000	600	ST
9.	1000 gal	11th	1000	1015		
10.	154-040	154-045	1015	1045	600	ST
11.	155-115	END	1045	1100	300	ST
12.	155-115	END	1100	1115	250	ST
13.	1000 gal	6th	1115	1130		
14.	155-095	155-115	1130	1145	100	ST
15.	155-095	139-345	1145	1200	600	ST
	1000 gal	62	1230	1245		
	140-400	140-395	1245	1315	600	ST
Comments (problem areas or customer info).						
	140-340	140-370	1315	1400	300	ST
	1000 gal	LORDANN	1400	1415		

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 11-27-19

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: McCLORE

Portable /  VacCon (circle)

Feet of sewer line cleaned regular maintenance: 1000  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	CK PTS	AFTER HIGH WINDS	0700	1000		
2.	139-510	140-400	1000	1030	600	ST
3.	139-510	155-390	1030	1100	400	ST
4.	WORK ON TRK		1100	1130		
5.	1000 GA!	WAVERLY	1230	1245		
6.	CK MHS BIG	CREEK	1245	1345		
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-8-19 Operator: Becker Hours Worked 5  
 Laborer: H. King Hours Worked 8  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: 4th REMINGTON CIR

Portable /  VacCon (circle)

Feet of sewer line cleaned regular maintenance: 0  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	Clear Portals		7:30	7:50		
2.	Check 612 E 4th		9:30	10:10		
3.	Check 111 Remington Cir		10:10	10:30		
4.	Clear Portals		10:30	14:00		
5.	TAKE KEVIN PT	EAGLE	14:00	14:30		
6.	1000 GAL	102	14:30	14:45		
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
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Turn this in to your foreman each morning.



### Sewer Maintenance Daily Information

Date: 12-4-19 Operator: BEEBE Hours Worked 8  
 Laborer: STIRLING Hours Worked 8  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: willow OVERLOOK

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 1700

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

TRACK REEL  
SEE COMMENTS

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	123-285	123-260	0700	0800	400	RTC
2.	123-285	123-280	0800	0815	250	RTC
3.	1000 9A1	willow	0815	0830	<del>100</del>	
4.	123-290	123-285	0830	0900	350	RTC
5.	123-290	123-275	0900	0930	400	RTC
6.	123-300	123-295	0930	1530	300	RTC
7.	1000 9A1	willow	1315	1330		
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

123-300 123 295 Get Root cutter hung up in pipe repair  
17' upstream from MH 123-300 could not get loose cut  
hose dig up.

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-6-19 Operator: BEEBE Hours Worked \_\_\_\_\_  
 Laborer: STIRLING Hours Worked 8  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: 1<sup>ST</sup> HEATHERDOWN TRI 5<sup>S</sup>

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 3000  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	GET P/K	To 5g	0700	0930		
2.	122-450	122-510	0930	1030	600	ST
3.	1000 gal	2ND	1030	1045		
4.	123-075	123-060	1045	1115	600	ST
5.	1000 gal	PARKVIEW	1115	1130		
6.	155-300	155-315	1230	1300	600	ST
7.	1000 gal	TANGLEWOOD	1300	1310		
8.	139-490	<del>139</del> -155-275	1310	1330	600	ST
9.	139-490	139-510	1330	1400	600	ST
10.	1000 gal	MCCLURE	1400	1415		
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-6-19 Operator: BEEBE Hours Worked \_\_\_\_\_  
 Laborer: STIRLING Hours Worked 8  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: 1ST HEATHERDOWN TRI 5<sup>5</sup>

Portable // (VacCon) (circle)

Feet of sewer line cleaned regular maintenance: 3000  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	GET P/K's	To 5g	0700	0930		
2.	122-450	122-510	0930	1030	600	ST
3.	1000 gal	2ND	1030	1045		
4.	123-075	123-060	1045	1115	600	ST
5.	1000 gal	PARKVIEW	1115	1130		
6.	155-300	155-315	1230	1300	600	ST
7.	1000 gal	TANGLEWOOD	1300	1310		
8.	139-490	<del>139</del> -155-275	1310	1330	600	ST
9.	139-490	139-510	1330	1400	600	ST
10.	1000 gal	MCCLORE	1400	1415		
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-9-19

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: EAQJE

Portable /  VacCon (circle)

Feet of sewer line cleaned regular maintenance: 0  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH# From	MH# To	Time Started	Time Ended	Footage	* Device
1.	CLEAN GET P/T'S OF Sp		0700	1000		
2.	GO SET UP MANT. ON VACUUM		1000	1200		w/BAKER
3.	CLEAN LINE FOR KEVIN		1230	1330		
4.	1000 GAL	62	1330	1400		
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-10-19

Operator: H-Sting S  
 Laborer: \_\_\_\_\_  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked \_\_\_\_\_  
 Hours Worked \_\_\_\_\_

Location / Address: Poplar Ct / CR390

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 650  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH# From	MH# To	Time Started	Time Ended	Footage	* Device
1.	092-025	092-035	0720	0745	500	ST
2.	1000 gal	Valley 2-	0745	0800		
3.	095-109	095-121	0815	1015	150	ST
4.	Dump FNN	Helping Dwyer 35005	10:45	11:45		
5.	clean truck	@ Shop	12:30	1:45		
6.	Hickory Park PT	clean	1:50	2:30		
7.	1000 gal	Dyer	2:30	2:45		
8.	Sewer Plant		2:50	3:10		
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
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 \_\_\_\_\_  
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 \_\_\_\_\_

Turn this in to your foreman each morning.

*[Handwritten signature]*

### Sewer Maintenance Daily Information

Date: 12-11-19      Operator: BEEBE      Hours Worked 8  
 Laborer: STIRLING      Hours Worked 8  
 Laborer: \_\_\_\_\_      Hours Worked \_\_\_\_\_

Location / Address: PARK NORTH

Portable  VacCon (circle)

Feet of sewer line cleaned regular maintenance: 1250  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	CLEAN PITS		0700	1045		
2.	105-295	105-285	1045	1115	400	N
3.	105-295	105-360	1115	1130	400	N
4.	1000 GAL	BENTON	1130	1145		
5.	121-175	121-180	1230	1330	450	N
6.	FIX HOSE CONNECTOR		1330	1430		
7.	1000 GAL	62	1430	1445		
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-12-19

Operator: Bowker

Hours Worked 2.5

Laborer: Hastings

Hours Worked 2

Laborer: \_\_\_\_\_

Hours Worked \_\_\_\_\_

Location / Address: Glaston

Portable / (VacCon) (circle)

Feet of sewer line cleaned regular maintenance: 1930

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	121-045	121-041	0730	0745	380	WH
2.	121-175	121-180	0830	0900	450	WH
3.	2000 9A1	GLENSTONE	0900	0930		
4.	121-175	121-180	0930	1100	900	WH
5.	1000 9A1	GLENSTONE	1100	1115		
6.	121-170	121-174	1230	1400	200	ST VAC
7.	1000 9A1	62	1400	1415		
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

ITEM  
\*4

Comments (problem areas or customer info).  
CLEANING ROCK FROM REPAIR SO IT CAN BE TIED  
121-175 TO 121-180

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-13-19

Operator: Hastings

Hours Worked 8

Laborer: \_\_\_\_\_

Hours Worked \_\_\_\_\_

Laborer: \_\_\_\_\_

Hours Worked \_\_\_\_\_

Location / Address: \_\_\_\_\_

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 3000'

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	154-260	154-255	0740	0750	250	ST
2.	154- <del>260</del> 270	154-260	0755	0820	550	ST
3.	1000 gal	Cynthia	0830	0855	<del>600</del>	<del>ST</del>
4.	154-275	154-270	0855	0925	600	ST
5.	800 gal	Cynthia				
6.	154-280	154-275	9:25	9:50	400	ST
7.	170-135	170-280	9:55	10:15	600	ST
8.	1100 gallons	Cynthia	10:00	10:35		
9.	170-125	170-135	10:40	11:10	600	ST
10.	North Street w/ Cancer truck		12:30	1:00		
11.	Meadowbrook Dr		1:15	1:40		
12.	check PT @ Dog Park & Parks Dept		2:00	2:30		
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.



### Sewer Maintenance Daily Information

Date: 12-16-19

Operator: Beebe  
 Laborer: Hastings  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: \_\_\_\_\_  
 \_\_\_\_\_

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: \_\_\_\_\_

Feet of sewer line cleaned due to stop-ups: \_\_\_\_\_

Number of stop-ups: \_\_\_\_\_

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

1.	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	RAIN MOST OF THE DAY					
2.	SET UP MAINT. FOR TRK 320 AT BAKERS					
3.	WORK ON TRK 320					
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info):

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 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-17-19

Operator: Hastings  
 Laborer: \_\_\_\_\_  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked \_\_\_\_\_  
 Hours Worked \_\_\_\_\_

Location / Address: Baker's

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: \_\_\_\_\_  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	<u>Truck maintenance</u>					
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-18-19

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: CHURCH 6<sup>TH</sup> 5<sup>TH</sup> CR 25 GRAY<sup>ST</sup>

Portable /  VacCon (circle)

Feet of sewer line cleaned regular maintenance: 33,000  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	RE FUEL		0700	0730		
2.	137-450	137-455	0730	0745	450	ST
3.	137-450	END	0745	0800	400	
4.	1000 GAL	4 <sup>TH</sup>	0800	0815		
5.	137-370	137-365	0815	0830	0	WH
6.	137-390	137-380	0830	0900	500	WH
7.	137-375	137-390	0900	0915	100	WH
8.	137-375	137-370	0915	0930	100	WH
9.	1000 GAL	6 <sup>TH</sup>	0930	0945		
10.	138-168	137-375	0945	1015	250	WH
11.	138-130	138-135	1015	1030	300	WH
12.	138-130	138-125	1030	1045	300	WH
13.	1000 GAL	6 <sup>TH</sup>	1045	1100		
14.	138-155	138-150	1100	1115	300	WH
15.	138-155	138-160	1115	1130	300	WH

138-155 138-130 1130 1145 300 WH

DIG UP FOR RANDIE CR 25 1230 1400  
 Comments (problem areas or customer info).  
137-370 TO 137-365 LINE BROKEN APROX. 1' IN COULDN'T  
SHOT GETTING SAND AND ROCK OUT.  
CLEAN VALVE FOR JUSTIN GRAY<sup>ST</sup> 1400 1500

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-19-19      Operator: BEIBE      Hours Worked 8  
 Laborer: STIRLING      Hours Worked 8  
 Laborer: \_\_\_\_\_      Hours Worked \_\_\_\_\_

Location / Address: CAPITAL

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 0  
 Feet of sewer line cleaned due to stop-ups: 300  
 Number of stop-ups: 1

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

#	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	CLEAN P/T		0700	0800		
2.	PREP TRK FOR FLIPPIN		0800	0900		
3.	Flippin Job		0900	1230		
4.	120-115	120-055	1300	1330	300	
5.	1000 gal	62	1400	1415		
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-20-19      Operator: BEEBE      Hours Worked 8  
 Laborer: STIRLING      Hours Worked 8  
 Laborer: \_\_\_\_\_      Hours Worked \_\_\_\_\_

Location / Address: WADE

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 0  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	CLEAN P/T'S		0700	1200		
2.	1000 GAL		1330	1345		
3.	Dig up	WADE	1345	1530		
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
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 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-23-19

Operator: BEEBE  
 Laborer: \_\_\_\_\_  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked \_\_\_\_\_  
 Hours Worked \_\_\_\_\_

Location / Address: \_\_\_\_\_  
 \_\_\_\_\_

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 0

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	CLEAN P/S		0700	1300		
2.	CLEAN TRK		1300	1430		
3.	1000 gal	62	1430	1500		
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-26-19      Operator: BEEBE      Hours Worked 8  
 Laborer: \_\_\_\_\_      Hours Worked \_\_\_\_\_  
 Laborer: \_\_\_\_\_      Hours Worked \_\_\_\_\_

Location / Address: PEBBIE CREEK

Portable / VacCon (circle)

Feet of sewer line cleaned regular maintenance: 0  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	CLEAN PTS		0700	1300		
2.	DIG UP PEBBIE CREEK		1300	1430		
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 12-27-19

Operator: BEEBE  
 Laborer: \_\_\_\_\_  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked \_\_\_\_\_  
 Hours Worked \_\_\_\_\_

Location / Address: GREGG

Portable /  VacCon (circle)

Feet of sewer line cleaned regular maintenance: 2400  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	189-065	189-075	0700	0800	600	ST
2.	1000 9A1	JOHNS	0800	0830		
3.	CLEAN DUMP SITE YARD		0830	1100		
4.	CK SEWER Clog 1114 s collapse		1100	1130		
5.	189-005	189-065	1230	1300	400	ST
6.	188-005	189-005	1300	1330	300	ST
7.	1000 9A1	JOHNS	1330	1345		
8.	188-015	188-005	1345	1415	300	ST
9.	188-015	188-250	1415	1430	200	ST
10.	188-025	188-015	1430	1445	600	ST
11.	1000 9A1	JOHNS	1445	1500		
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
ITEM 4 1114 S COLLAGE CLOG IN CUSTOMERS LINE

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Turn this in to your foreman each morning.



### Sewer Maintenance Daily Information

Date: 12 30 19      Operator: BEEBE      Hours Worked 7  
 Laborer: STIRLING      Hours Worked 8  
 Laborer: \_\_\_\_\_      Hours Worked \_\_\_\_\_

Location / Address: RED WING 13<sup>TH</sup> EAGLE

Vector E351 / (E320) (circle)

Feet of sewer line cleaned regular maintenance: 1500  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

1.	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	WORK ON TRK		0700	0900		
2.	139-385	139-490	0900	1000	600	ST
3.	139-385	No #	1000	1015	100	ST
4.	1000 gal	62	1030	1100		
5.	154-140	154-130	1230	1300	500	ST
6.	CLEAN PIPE FOR KEVIN		1300	1430	300	ST
7.	1000 gal	COMMERCE	1430	1445		
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Turn this in to your foreman each morning.

## Sewer Maintenance Daily Information

Date: 12-31-19

Operator: Hastings  
 Laborer: \_\_\_\_\_  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked \_\_\_\_\_  
 Hours Worked \_\_\_\_\_

Location / Address: Village - 900 Hwy 62 E

Factor E351 / Factor E320 (circle)

Feet of sewer line cleaned regular maintenance: \_\_\_\_\_  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 1

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	<u>Pock toilets</u>		<u>07:20</u>	<u>11:30</u>		
2.	<u>123-170</u>	<u>123-175</u>	<u>1 pm</u>	<u>1:45 pm</u>		
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1-2-20

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: \_\_\_\_\_  
 \_\_\_\_\_

Vector E351 / Vector E320 (circle)

Feet of sewer line cleaned regular maintenance: 0  
 Feet of sewer line cleaned due to stop-ups: 8  
 Number of stop-ups: \_\_\_\_\_

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	TAKE 320 TO BAKER TO GET				DIFFERENTIAL SEAL REPLACED 0700-1400
2.	SHOW STIRLING MHS THAT ARE HARD TO FIND				0800-1300
3.	PICK UP 320 FROM BAKER'S				1400-1430
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

Comments (problem areas or customer info).  
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 \_\_\_\_\_  
 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1-3-20 Operator: BEEBE Hours Worked 8  
 Laborer: STIRLING Hours Worked ~~11~~  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: 12<sup>th</sup> 13<sup>th</sup> DELWOOD

Vactor E351 / Vactor E320 (circle)

Feet of sewer line cleaned regular maintenance: 3600  
 Feet of sewer line cleaned due to stop-ups: 300  
 Number of stop-ups: 1

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	154-105	154-142	0700	0730	500	ST
2.	154-105	154-100	0730	0745	200	ST
3.	1000 9A1	12 <sup>th</sup>	0745	0800		
4.	154-065	154-055	0800	0815	600	ST
5.	154-065	154-310	0815	0830	100	ST
6.	1000 9A1	12 <sup>th</sup>	0830	0845		
7.	154-070	154-067	0845	0915	350	ST
8.	TRUNK LINE	12 <sup>th</sup> ST	0915	0930	600	ST
9.	NO# MH	154-065	0930	0945	400	ST
10.	1000 9A1	12 <sup>th</sup>	0945	1000		
11.	NO# MH	154-105	1000	1015	250	ST
12.	NO# TO NO# old SHIP TRUNK	TO 12 <sup>th</sup>	1015	1030	600	ST
13.	1000 9A1	12 <sup>th</sup>	1030	1045		
14.	DIG UP RAN DIE	TOWN COUNTRY	1045	1330	300	WH
15.	1000 9A1	122	1330	1345		
	171-130	155-460	1345	1800		

Comments (problem areas or customer info).  
got hung up in 171-130 to 155-460 HAD TO dig up  
COLAPSED LINE. FIXED go BACK 16 20 TO RUN  
AGAIN.

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1 6 20

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: DELWOOD BAXTER THORN BORDEAUX

Factor E351 / Factor E320 (circle)

Feet of sewer line cleaned regular maintenance: 2450  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

1.	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
	<u>1000 9A1</u>	<u>DELWOOD</u>	<u>0700</u>	<u>0800</u>		
2.	<u>171-125</u>	<u>155-460</u>	<u>0800</u>	<u>0900</u>	<u>300</u>	<u>ST</u>
3.	<u>171-130</u>	<u>171-125</u>	<u>0900</u>	<u>0930</u>	<u>100</u>	<u>N</u>
4.	<u>1000 9A1</u>	<u>DELWOOD</u>	<u>0930</u>	<u>0945</u>		
5.	<u>089-100</u>	<u>089-090</u>	<u>0945</u>	<u>1045</u>	<u>600</u>	<u>N</u>
6.	<u>1000 9A1</u>	<u>ARK</u>	<u>1045</u>	<u>1115</u>		
7.	<u>122-180</u>	<u>122-175</u>	<u>1230</u>	<u>1245</u>	<u>200</u>	<u>WH</u>
8.	<u>122-180</u>	<u>122-190</u>	<u>1245</u>	<u>1300</u>	<u>200</u>	<u>WH</u>
9.	<u>122-180</u>	<u>122-162</u>	<u>1300</u>	<u>1315</u>	<u>100</u>	<u>WH</u>
10.	<u>1000 9A1</u>	<u>RIDGEMONT</u>	<u>1315</u>	<u>1330</u>		
11.	<u>120-297</u>	<u>120-225</u>	<u>1300</u>	<u>1400</u>	<u>500</u>	<u>WH</u>
12.	<u>1000 9A1</u>	<u>POWERS</u>	<u>1400</u>	<u>1415</u>		
13.	<u>121-205</u>	<u>121-170</u>	<u>1415</u>	<u>1445</u>	<u>450</u>	<u>WH</u>
14.	<u>1000 9A1</u>	<u>BENTON</u>	<u>1445</u>	<u>1500</u>		
15.						

Comments (problem areas or customer info).  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1 7 20

Operator: BEEBE

Hours Worked 8

Laborer: STIRLING

Hours Worked 8

Laborer: \_\_\_\_\_

Hours Worked \_\_\_\_\_

Location / Address: CEDAR 6<sup>TH</sup> LOCUST SPRING

Vactor E351 / E320 (circle)

Feet of sewer line cleaned regular maintenance: 4200

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	122 - 360	122 - 355	0700	0800	500	TRK WH
2.	NO#	122 - 062	0800	0830	300	TRK WH
3.	1000 9A1	SPRING	0830	0845		
4.	CLEAN VALVE	BOX 6 <sup>TH</sup> + CHURCH	0845	1000		
5.	122 - 365	122 - 360	1000	1030	300	TRK WH
6.	122 - 080	122 - 370	1030	1045	500	TRK WH
7.	1000 9A1	REDBUD	1045	1100		
8.	122 - 305	122 - 340	1100	1115	300	TRK WH
9.	122 - 305	123 - 320	1115	1130	300	TRK WH
10.	1000 9A1	LOCUST	1230	1245		
11.	122 - 300	122 - 305	1245	1300	100	TRK WH
12.	122 - 300	132 - 295	1300	1315	300	TRK WH
13.	122 - 320	122 300	1315	1330	400	TRK WH
14.	122 320	122 - 340	1330	1345	200	TRK WH
15.	122 - 320	122 - 315	1345	1400	400	TRK WH
	1000 9A1	SPRING	1400	1415		
Comments	122 - 335	122 - 320	1415	1430	200	TRK WH
	122 - 335	122 - 340	1430	1445	400	TRK WH

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1-8-20 Operator: BEEBE Hours Worked 8  
 Laborer: STIRLING Hours Worked 8  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: LOCUST CEDAR FRANKLIN EAGLE

Vector E351 / Vector E320 (circle)

Feet of sewer line cleaned regular maintenance: 2700  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	LOOK FOR MH'S		0700	0800		
2.	1000 9A1	LOCUST	0800	0815		
3.	122-070	122-335	0815	0845	400	TRK <del>W</del> H
4.	122-340	123-155	0845	0915	300	TRK SWA
5.	122-389	123-360	0915	0945	400	TRK WA
6.	1000 9A1	RED BUD	0945	1000		
7.	122-325	122-320	1000	1015	200	<del>S</del> ST
8.	122-325	122-330	1030	1045	100	ST
9.	RE-FUEL EXCN		1045	1130		
10.	088-220	088-215	1130	1145	200	ST
11.	088-220	088-245	1145	1200	100	ST
12.	088-205	088-220	1230	1300	400	ST
13.	1000 9A1	FRANKLIN	1300	1315		
14.	CLEAN KEVIN'S LINE		1315	1345	200	ST
15.	1000 9A1	COMMERCE	1345	1400		
	088-200	088-205	1400	1415	200	ST
	088-200	088-195	1415	1430	200	ST

Comments (problem areas or customer info).  
CK SEWER BACK UP 1008 CEDAR NOT IN OUR MAIN  
1430-1500

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1 9 20      Operator: BEEBE      Hours Worked 8  
 Laborer: STIRLINS      Hours Worked 0  
 Laborer: \_\_\_\_\_      Hours Worked \_\_\_\_\_

Location / Address: Collage + 62

Vector E351 / Vector E320 (circle)

Feet of sewer line cleaned regular maintenance: 0  
 Feet of sewer line cleaned due to stop-ups: 195  
 Number of stop-ups: 1

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

#	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	CLEAN P/T's		0700	1100		
2.	122 - 475	122 - 490	1100	1330	195	N (S)
3.	1000 GAL	ARK	1430	1445		
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

MH 122 - 490 BURIED NEEDS RAISING

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Turn this in to your foreman each morning.



### Sewer Maintenance Daily Information

Date: 1-10-19

Operator: Hasting S  
 Laborer: \_\_\_\_\_  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked \_\_\_\_\_  
 Hours Worked \_\_\_\_\_

Location / Address: Shop

Vector E351  Vector E320 (circle)

Feet of sewer line cleaned regular maintenance: \_\_\_\_\_  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

MH #	MH #	Time	Time	Footage	* Device
From	To	Started	Ended		
1.	Truck Maint.	0700	1300		
2.	check PT	1300	1430		
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

Comments (problem areas or customer info).  
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 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1-13-2020 Operator: Beebe Hours Worked 8  
 Laborer: Hastings Hours Worked 8  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: LEE FRANKLIN MONROE

Vector E351 / (Vector E320) (circle)

Feet of sewer line cleaned regular maintenance: 3850  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	088-130	088-075	0700	0800	500	ST
2.	088-130	088-175	0800	0830	400	ST
3.	088-145	088-130	0830	0845	150	ST
4.	1000 gal	FRANKLIN	0845	0900		
5.	088-040	088-045	1030	1100	150	ST
6.	088-090	088-040	1100	1130	350	ST
7.	1000 gal	BAXTER	1130	1145		
8.	088-055	088-135	1230	1300	600	ST
9.	088-055	088-050	1300	1330	300	ST
10.	1000 gal	LONOKE	1330	1345		
11.	088-105	088-190	1345	1415	600	ST
12.	088-060	088-055	1415	1430	200	ST
13.	088-060	088-065	1430	1445	100	ST
14.	088-060	088-105	1445	1500	500	ST
15.	1000 gal	BAXTER	1500	1515		

Comments (problem areas or customer info).  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1-14-2019 Operator: Hastings Hours Worked 8  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: Manroe Fulton

Factor E351 / Factor E320 (circle)

Feet of sewer line cleaned regular maintenance: 1600  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	088-230	088-225	0720	0745	200	ST
2.	088-245	088-250	0745	0800	250	ST
3.	088-245	088- <del>245</del> <sup>235</sup>	0800	0820	600	ST
4.	Assist Randall	on Kathrine	0845	0930		
5.	Assist Randall	on W 6 <sup>th</sup>	0945	10:45		
6.	empty + clean	truck @ Shop				
7.	088-255	088-230	10:45	11:10	250	ST
8.	088-265	088-255	11:15	11:35	300	ST
9.	1000 gal @	6L	08:30	08:40		
10.	1000 gal @	Manroe + Baxter	11:30	11:55		
11.	Assist Randall	on Ascension	12:30	2:00		
12.	Assist Randall	on Manroe	2:15	3:00		
13.						
14.						
15.						

Comments (problem areas or customer info).  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1 15 20

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: BAXTER NORWOOD FRANKLIN

Factor E351   Factor E320 (circle)

Feet of sewer line cleaned regular maintenance: 2400  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	MOVE STREET DEPT	P/T GENTERY	0700	0830		
2.	CK 1008 CEDAR		0830	0930		
3.	1000 9A1	62	0930	0945		
4.	088-262	088-260	0945	1000	300	ST
5.	088-264	088-262	1000	1015	300	ST
6.	088-265	088-264	1015	1030	500	ST
7.	1000 9A1	BAXTER	1030	1100		
8.	074-015	074-007	1100	1115	300	ST
9.	074-015	074-020	1115	1130	300	ST
10.	1000 9A1	201	1130	1145		
11.	074-030	074-015	1230	1245	400	ST
12.	074-010	074-012	1245	1300	200	ST
13.	074-035	074-037	1300	1315	100	ST
14.	1000 9A1	201	1315	1330		
15.	Dig up CHRIS LONG STREET		1330	1430		

Comments (problem areas or customer info).

MH 088-264 HAS H2S DAMAGE

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1-16-20

Operator: BEEBE

Hours Worked 8

Laborer: STIRLINGS

Hours Worked 8

Laborer: \_\_\_\_\_

Hours Worked \_\_\_\_\_

Location / Address: CEDAR W WADE 02

Factor E351 / Factor E320 (circle)

Feet of sewer line cleaned regular maintenance: 0

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	TV 1008 CEDAR'S LINE		0700	1300		
2.	CK SEWE 203 W WADE		1300	1400		
3.	TRY TO TV KFC TO 02		1400	1500		
4.	<del>CLEAN VALVE BOX 13<sup>th</sup> + 16<sup>th</sup> ST</del>					
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

FOUND OUT 1008 CEDAR MAY NOT BE TIED INTO MAIN.  
TOLD KEVIN

203 W WADE NOT OUR CLOG IN CUSTOMERS SERVICE  
MH AT KFC IN PARKING LOT COVERED WITH CARS WILL DO  
1ST THING IN MORNING WHEN CARS ARE NOT THERE

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1-17-20 Operator: BEEBE Hours Worked 8  
 Laborer: STIRLING Hours Worked 8  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: 602 BAXTER COLUMBIA

Vector E351 / Vector E320 (circle)

Feet of sewer line cleaned regular maintenance: 800  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	122-475	122-495	0700	0930	200	ST, V, TV
2.	GO DUMP		0930	1000		
3.	1000 9A1	602	1000	1015		
4.	088-285	088-275	1030	1100	600	ST
5.	CLEAN VALVE BOXES	13 <sup>th</sup> + 16 <sup>th</sup> ST	1230	1400		
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
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 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1-21-20

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: \_\_\_\_\_  
 \_\_\_\_\_

Vector E351 Vector E320 (circle)

Feet of sewer line cleaned regular maintenance: \_\_\_\_\_  
 Feet of sewer line cleaned due to stop-ups: \_\_\_\_\_  
 Number of stop-ups: \_\_\_\_\_

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	AM TOO COLD FOR TRK	0700	1230		
2.	CLEAN P/T	1230	1500		
3.					
4.					
5.					
6.					
7.					
8.					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

Comments (problem areas or customer info).  
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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1-22-20

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 7  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: 2ND HIGH

Vector E351 / Vector E320 (circle)

Feet of sewer line cleaned regular maintenance: \_\_\_\_\_

Feet of sewer line cleaned due to stop-ups: \_\_\_\_\_

Number of stop-ups: \_\_\_\_\_

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

1000 GAL  
62 -  
1000  
9AL 62 -

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	WORK ON 320 HEADLIGHT		0700	1030		
2.	DIG UP RANBLE 2ND ST		1030	1200		
3.	169-070	169-075	1230	1315	350	ST
4.	1000 GAL	62	1315	1400		
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.



### Sewer Maintenance Daily Information

Date: 1-23-20

Operator: BEEBE  
 Laborer: STIRLING  
 Laborer: \_\_\_\_\_

Hours Worked 8  
 Hours Worked 8  
 Hours Worked \_\_\_\_\_

Location / Address: KENTWOOD W3RD

Vector E351 / Vector E320 (circle)

Feet of sewer line cleaned regular maintenance: 777  
 Feet of sewer line cleaned due to stop-ups: 0  
 Number of stop-ups: 8

Location of manholes cleaned (put "s" next to stopped up manholes)  
 \* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	104-155	104-157	0700	0730	100	ST
2.	104-135	104-155	0730	0800	250	ST
3.	Dig up RANDE W 3RD ST		0800	1000		
4.	1000 gal	622	1000	1015		
5.	104-107	104-135	1015	1030	150	ST
6.	104-075	104-077	1030	1045	BLOCKED AT 22"	ST NEED TV
7.	104-105	104-107	1045	1115	250	ST
8.	1000 gal	ARK	1115	1130		
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).  
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 \_\_\_\_\_  
 \_\_\_\_\_

Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1-24-20

Operator: BEERBE

Hours Worked 8

Laborer: STIRLING

Hours Worked 8

Laborer: \_\_\_\_\_

Hours Worked \_\_\_\_\_

Location / Address: HOSPITAL 62 GLENSTON

Vector E351 ( Vector E320 ) (circle)

Feet of sewer line cleaned regular maintenance: 300

Feet of sewer line cleaned due to stop-ups: 0

Number of stop-ups: 0

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	Dig up RANDLE	HOSPITAL	0700	0930		
2.	1000 9A1	62	0930	0945		
3.	121-045	121-041	0945	1030	300	ST
4.	CLEAN BORE HOLE	TYLOR 40B	1030	1330		
5.	1000 9A1	62	1230	1245		
6.	1000 9A1	62	1400	1415		
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

Comments (problem areas or customer info).

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Turn this in to your foreman each morning.

### Sewer Maintenance Daily Information

Date: 1-27-20 Operator: BEERLE Hours Worked 7  
 Laborer: STIRLING Hours Worked 8  
 Laborer: \_\_\_\_\_ Hours Worked \_\_\_\_\_

Location / Address: 7<sup>th</sup> 8<sup>th</sup> LEONARD BOMBER

Vector E351 / Vector E320 (circle)

Feet of sewer line cleaned regular maintenance: 3000  
 Feet of sewer line cleaned due to stop-ups: 150  
 Number of stop-ups: 1

Location of manholes cleaned (put "s" next to stopped up manholes)

\* Device - (RS for Root Saw / N for Nozzle / Etc).

	MH # From	MH # To	Time Started	Time Ended	Footage	* Device
1.	138 - 185	138 - 190	0700	0730	350	WH
2.	138 - 185	138 - 175	0730	0830	450	WH <sup>STIFF</sup> <sub>C/O</sub>
3.	1000 gAI	62	0830	0845		
4.	Dig up Randle		0900	1030		
5.	138 - 210	138 - 205	1030	1045	350	WH
6.	138 - 210	138 - 215	1045	1100	450	WH
7.	138 - 210	138 - 155	1100	1115	500	WH
8.	1000 gAI	4 <sup>th</sup>	1115	1130		
9.	137 - 405	137 - 395	1230	1245	350	WH
10.	137 - 410	137 - 405	1245	1300	150	
11.	137 - 415	137 - 410	1300	1315	100	
12.	137 - 420	137 - 415	1315	1330	150	WH
13.	1000 gAI	8 <sup>th</sup>	1330	1345		
14.	154 - 130	154 - 125	1345	1415	150	WH (S)
15.	Dig up Randle		1415	1445		
	1000 gAI	62	1445	1500		

Comments (problem areas or customer info).

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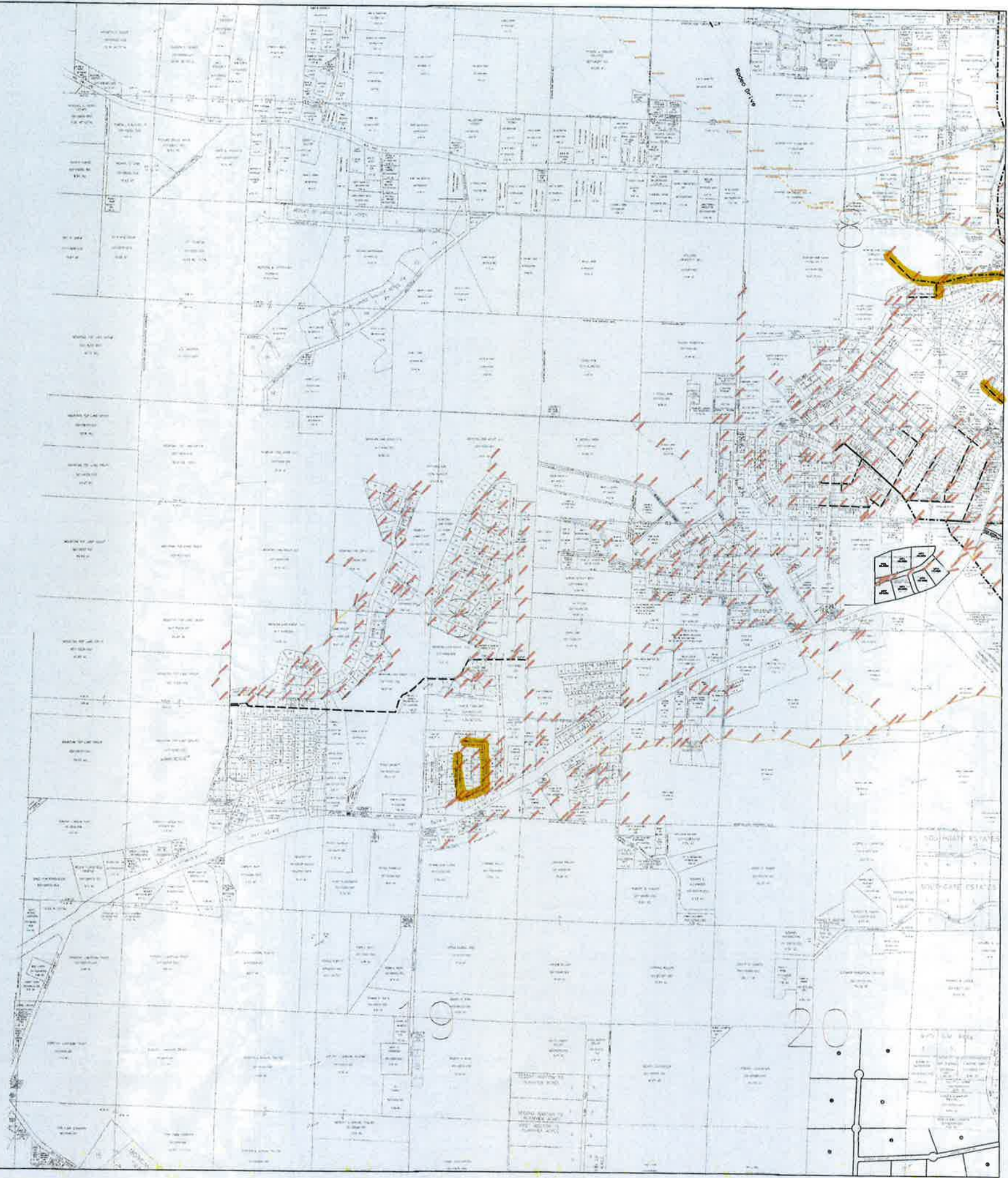
Turn this in to your foreman each morning.

APPENDIX B  
LINE CLEANING MAPS





Blank area below the drawing, likely for notes or additional information.





- C900\_2
- C900\_4
- C900\_6
- Clay\_6
- Clay\_8
- Concrete\_6
- Concrete\_8
- Concrete\_10
- Concrete\_12
- Concrete\_14
- D1\_5
- D1\_8
- D1\_10
- D1\_12
- D1\_14
- D1\_16
- D1\_18
- D1\_24
- D1\_30
- D1\_36
- SDR\_6
- SDR\_8
- SDR\_10
- SDR\_12
- Lift Station (GPS)
- Manholes (Not GPS)
- Manholes (GPS)
- Cleanout (GPS)
- Dead End (GPS)



APPENDIX C  
CCTV CAMERA EXAMINATION RECORDS































































		WORK ORDER		DATE	
ADDRESS	MANHOLE NUMBERS	NUMBER	DATE MADE	ACTION THAT WILL BE TAKEN	COMPLETED
<b>05/01/19 TO 07/31/19</b>					
VILLAGE GREEN	MH# 125-060 TO CO# 109-255	153773	5/10/2019	TV TO FIND PROBLEMS	5/13/2019
VILLAGE GREEN	MH# 109-220 TO CO# 125-015, CO# 125-145, CO# 109-134	153774	5/10/2019	TV TO FIND PROBLEMS	5/24/2019
VILLAGE GREEN	MH# 125-040 TO MH# 109-260	154165	5/28/2019	TV TO FIND PROBLEMS	6/10/2019
VILLAGE GREEN	MH# 109-215 TO MH# 109-200 / MH# 109-215 TO MH# 109-220	153568	5/3/2019	TV TO FIND PROBLEMS	6/11/2019
VILLAGE GREEN	MH# 125-035 TO CO# 125-120	153775	5/10/2019	TV TO FIND PROBLEMS	6/19/2019
VILLAGE GREEN	MH# 109-085, MH 109-220, MH 129-145	153567	5/3/2019	MANHOLE REHAB - I & i	2/10/2020

APPENDIX D  
SEWER REPAIR AND REPLACEMENT RECORDS

## CITY OF MOUNTAIN HOME WATER DEPARTMENT

### Work Order Report Detail

Date : 2/10/2020 2:35:55 PM

User Name : alma

Work Order	: 158908		R/M MANHOLE		Account Number	:
Start Date	: 12/11/2019	NEWTON AVE	Job Code	: 5MHRM	Book.Sequence	:
Completion Date	:	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	: Open
Create Date	: 12/11/2019				Total Cost	: 0.00
Total Price	: 0.00					

Work Order	: 159028	MIDWAY INDUSTRY	R/M MANHOLE		Account Number	: 70022600
Start Date	: 12/18/2019	618 DILLARD DR	Job Code	: 5MHRM	Book.Sequence	: 70.306
Completion Date	:	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	: Open
Create Date	: 12/18/2019				Total Cost	: 0.00
Total Price	: 0.00					

Work Order	: 159894		MANHOLE REHAB		Account Number	:
Start Date	: 1/30/2020	GREGG RD	Job Code	: 5MHRB	Book.Sequence	:
Completion Date	:	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	: Open
Create Date	: 1/30/2020				Total Cost	: 0.00
Total Price	: 0.00					

Work Order	: 159895		MANHOLE REHAB		Account Number	:
Start Date	: 1/30/2020	HWY 178	Job Code	: 5MHRB	Book.Sequence	:
Completion Date	:	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	: Open
Create Date	: 1/30/2020				Total Cost	: 0.00
Total Price	: 0.00					

Work Order	: 159979		SEWER MAIN REPLACEMENT		Account Number	:
Start Date	: 2/4/2020	VILLAGE GREEN	Job Code	: 5SMREPLACE	Book.Sequence	:
Completion Date	:	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	: Open
Create Date	: 2/4/2020				Total Cost	: 2,717.02
Total Price	: 3,765.79					

	Miscellaneous Usage		Unit Cost	Unit Price	Total Cost	Total Price
Description	Estimated Usage	Actual Usage				
BASE (TLQ)	1.00		323.87	323.87	323.87	323.87
<b>Total</b>			<b>323.87</b>	<b>323.87</b>	<b>323.87</b>	<b>323.87</b>

Total number of work orders listed : 5



## CITY OF MOUNTAIN HOME WATER DEPARTMENT

## Work Order Report

## Detail

Date : 2/10/2020 2:43:05 PM

User Name : alma

Work Order	: 149505	R/M SEWER MAIN	Account Number	:			
Start Date	: 10/22/2018	8TH ST	Job Code	: 5RMSM	Book.Sequence	:	
Completion Date	: 12/2/2019	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	:	Closed
Create Date	: 10/22/2018						
Total Price	: 1,510.66				Total Cost	:	1,320.85
Work Order	: 152514	LOCATE MANHOLE & RAISE	Account Number	:			
Start Date	: 3/26/2019	7TH ST	Job Code	: 5LOMHR	Book.Sequence	:	
Completion Date	: 11/6/2019	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	:	Closed
Create Date	: 3/26/2019						
Total Price	: 42.57				Total Cost	:	32.01
Work Order	: 153567	MANHOLE REHAB	Account Number	:			
Start Date	: 5/3/2019	VILLAGE GREEN	Job Code	: 5MHRB	Book.Sequence	:	
Completion Date	: 2/10/2020	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	:	Closed
Create Date	: 5/3/2019						
Total Price	: 0.00				Total Cost	:	0.00
Work Order	: 155037	LOCATE CLEAN OUT & RAISE	Account Number	:			
Start Date	: 6/26/2019	HOWARD & NORTH ST	Job Code	: 5LOCCO	Book.Sequence	:	
Completion Date	: 11/6/2019	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	:	Closed
Create Date	: 6/26/2019						
Total Price	: 30.80				Total Cost	:	24.36
Work Order	: 155040	LOCATE CLEAN OUT & RAISE	Account Number	:			
Start Date	: 6/26/2019	POWERS ST	Job Code	: 5LOCCO	Book.Sequence	:	
Completion Date	: 11/4/2019	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	:	Closed
Create Date	: 6/26/2019						
Total Price	: 0.00				Total Cost	:	0.00
Work Order	: 156691	R/M SEWER MAIN	Account Number	:			
Start Date	: 9/3/2019	BRENTWOOD DR	Job Code	: 5RMSM	Book.Sequence	:	
Completion Date	: 11/22/2019	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	:	Closed
Create Date	: 9/3/2019						
Total Price	: 4,294.02				Total Cost	:	3,881.36
Work Order	: 157146	CAP SEWER SERVICE LINE	Account Number	:	00004387		
Start Date	: 9/20/2019	STEVE HOGAN	Job Code	: 5CAPSERVLI	Book.Sequence	:	89.364
Completion Date	: 11/6/2019	146 BUZZARD ROOST CUTOFF	Printed	: ✓	Status	:	Closed
Create Date	: 9/20/2019	MOUNTAIN HOME AR 72653					
Total Price	: 0.00				Total Cost	:	0.00

## CITY OF MOUNTAIN HOME WATER DEPARTMENT

### Work Order Report Detail

Date : 2/10/2020 2:43:05 PM

User Name : alma

Work Order	: 157973		RAISE MANHOLE		Account Number	:
Start Date	: 10/28/2019	EMBASSY PKWY	Job Code	: 5RMH	Book.Sequence	:
Completion Date	: 11/22/2019	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	: Closed
Create Date	: 10/28/2019					
Total Price	: 1,781.20				Total Cost	: 1,545.71

Work Order	: 158103		R/M SEWER MAIN		Account Number	:
Start Date	: 10/29/2019	RIDGEMONT DR	Job Code	: 5RMSM	Book.Sequence	:
Completion Date	: 11/13/2019	MOUNAIN HOME AR 72653	Printed	: ✓	Status	: Closed
Create Date	: 10/29/2019					
Total Price	: 1,360.66				Total Cost	: 1,261.39

Work Order	: 158173		R/M CLEANOUT		Account Number	:
Start Date	: 11/1/2019	W 1ST ST	Job Code	: 5CLRM	Book.Sequence	:
Completion Date	: 11/6/2019	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	: Closed
Create Date	: 11/1/2019					
Total Price	: 74.48				Total Cost	: 63.72

Work Order	: 158174		RAISE MANHOLE		Account Number	:
Start Date	: 11/1/2019	RIDGEWOOD DR	Job Code	: 5RMH	Book.Sequence	:
Completion Date	: 11/12/2019	MOUNAIN HOME AR 72653	Printed	: ✓	Status	: Closed
Create Date	: 11/1/2019					
Total Price	: 251.60				Total Cost	: 209.38

Work Order	: 158360		SEWER MAIN REPLACEMENT		Account Number	:
Start Date	: 11/12/2019	VILLAGE GREEN	Job Code	: 5SMREPLACE	Book.Sequence	:
Completion Date	: 11/25/2019	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	: Closed
Create Date	: 11/12/2019					
Total Price	: 875.00				Total Cost	: 875.00

#### Miscellaneous Usage

Description	Estimated Usage	Actual Usage	Unit Cost	Unit Price	Total Cost	Total Price
TREE SERVICE (NEALS)	1.00	1.00	875.00	875.00	875.00	875.00
<b>Total</b>			<b>875.00</b>	<b>875.00</b>	<b>875.00</b>	<b>875.00</b>

Work Order	: 158438		RAISE MANHOLE		Account Number	:
Start Date	: 11/14/2019	HWY 201 N	Job Code	: 5RMH	Book.Sequence	:
Completion Date	: 11/15/2019	MOUNTAIN HOME AR 72653	Printed	: ✓	Status	: Closed
Create Date	: 11/14/2019					
Total Price	: 292.99				Total Cost	: 191.98

## CITY OF MOUNTAIN HOME WATER DEPARTMENT

## Work Order Report

## Detail

Date : 2/10/2020 2:43:05 PM

User Name : alma

<b>Work Order</b>	: 158541		RAISE MANHOLE		<b>Account Number</b>	:	
<b>Start Date</b>	: 11/20/2019	HWY 201 N	<b>Job Code</b>	: 5RMH	<b>Book.Sequence</b>	:	
<b>Completion Date</b>	: 11/22/2019	MOUNTAIN HOME AR 72653	<b>Printed</b>	: ✓	<b>Status</b>	:	Closed
<b>Create Date</b>	: 11/20/2019						
<b>Total Price</b>	: 325.13				<b>Total Cost</b>	:	210.71
<b>Work Order</b>	: 158549		R/M SEWER MAIN		<b>Account Number</b>	:	
<b>Start Date</b>	: 11/21/2019	RIDGEMONT WAY	<b>Job Code</b>	: 5RMSM	<b>Book.Sequence</b>	:	
<b>Completion Date</b>	: 11/25/2019	MOUNTAIN HOME AR 72653	<b>Printed</b>	: ✓	<b>Status</b>	:	Closed
<b>Create Date</b>	: 11/21/2019						
<b>Total Price</b>	: 1,587.92				<b>Total Cost</b>	:	1,484.35
<b>Work Order</b>	: 158737		R/M SEWER MAIN		<b>Account Number</b>	:	
<b>Start Date</b>	: 12/4/2019	OVERLOOK DR	<b>Job Code</b>	: 5RMSM	<b>Book.Sequence</b>	:	
<b>Completion Date</b>	: 12/6/2019	MOUNTAIN HOME AR 72653	<b>Printed</b>	: ✓	<b>Status</b>	:	Closed
<b>Create Date</b>	: 12/4/2019						
<b>Total Price</b>	: 229.38				<b>Total Cost</b>	:	203.51
<b>Work Order</b>	: 158786		SEWER MAIN REPLACEMENT		<b>Account Number</b>	:	
<b>Start Date</b>	: 12/6/2019	VILLAGE GREEN	<b>Job Code</b>	: 5SMREPLACE	<b>Book.Sequence</b>	:	
<b>Completion Date</b>	: 12/26/2019	MOUNTAIN HOME AR 72653	<b>Printed</b>	: ✓	<b>Status</b>	:	Closed
<b>Create Date</b>	: 12/6/2019						
<b>Total Price</b>	: 13,898.43				<b>Total Cost</b>	:	12,659.85
<b>Work Order</b>	: 158866		R/M MANHOLE		<b>Account Number</b>	:	
<b>Start Date</b>	: 12/10/2019	HICKORY HOLLOW D	<b>Job Code</b>	: 5MHRM	<b>Book.Sequence</b>	:	
<b>Completion Date</b>	: 12/11/2019	MOUNTAIN HOME AR 72653	<b>Printed</b>	: ✓	<b>Status</b>	:	Closed
<b>Create Date</b>	: 12/10/2019						
<b>Total Price</b>	: 59.85				<b>Total Cost</b>	:	59.85
<b>Work Order</b>	: 158867		R/M MANHOLE		<b>Account Number</b>	:	
<b>Start Date</b>	: 12/10/2019	TIMBERLANE RD	<b>Job Code</b>	: 5MHRM	<b>Book.Sequence</b>	:	
<b>Completion Date</b>	: 12/11/2019	MOUNTAIN HOME AR 72653	<b>Printed</b>	: ✓	<b>Status</b>	:	Closed
<b>Create Date</b>	: 12/10/2019						
<b>Total Price</b>	: 59.85				<b>Total Cost</b>	:	59.85
<b>Work Order</b>	: 159351		R/M SEWER MAIN		<b>Account Number</b>	:	
<b>Start Date</b>	: 1/3/2020	DELWOOD & GRACE LN	<b>Job Code</b>	: 5RMSM	<b>Book.Sequence</b>	:	
<b>Completion Date</b>	: 1/13/2020	MOUNTAIN HOME AR 72653	<b>Printed</b>	: ✓	<b>Status</b>	:	Closed
<b>Create Date</b>	: 1/3/2020						
<b>Total Price</b>	: 514.59				<b>Total Cost</b>	:	409.84

## CITY OF MOUNTAIN HOME WATER DEPARTMENT

### Work Order Report

#### Detail

Date : 2/10/2020 2:43:05 PM  
 User Name : alma

<b>Work Order</b>	: 159452		SEWER MAIN REPLACEMENT	<b>Account Number</b>	:
<b>Start Date</b>	: 1/8/2020	VILLAGE GREEN	<b>Job Code</b>	: 5SMREPLACE	<b>Book.Sequence</b>
<b>Completion Date</b>	: 1/31/2020	MOUNTAIN HOME AR 72653	<b>Printed</b>	: ✓	<b>Status</b>
<b>Create Date</b>	: 1/8/2020				: Closed
<b>Total Price</b>	: 14,088.55			<b>Total Cost</b>	: 12,462.72

Description	Miscellaneous Usage		Unit Cost	Unit Price	Total Cost	Total Price
	Estimated Usage	Actual Usage				
BASE & FINES (NCAQ)	1.00	1.00	551.71	551.71	551.71	551.71
BASE & FINES (NCAQ)	1.00	1.00	517.17	517.17	517.17	517.17
BASE & FINES (NCAQ)	1.00	1.00	545.83	545.83	545.83	545.83
BASE (NCAQ)	1.00	1.00	369.60	369.60	369.60	369.60
BASE (NCAQ)	1.00	1.00	589.49	589.49	589.49	589.49
BASE (NCAQ)	1.00	1.00	229.76	229.76	229.76	229.76
BASE (NCAQ)	1.00	1.00	363.93	363.93	363.93	363.93
CONCRETE MIX (ORSCHELN)	1.00	1.00	10.89	10.89	10.89	10.89
FINES (NCAQ)	1.00	1.00	311.57	311.57	311.57	311.57
<b>Total</b>			<b>3,489.95</b>	<b>3,489.95</b>	<b>3,489.95</b>	<b>3,489.95</b>

<b>Work Order</b>	: 159961	WENDY'S 4J #55	R/M SEWER MAIN	<b>Account Number</b>	: 00016338
<b>Start Date</b>	: 2/3/2020	1031 HWY 62 E	<b>Job Code</b>	: 5RMSM	<b>Book.Sequence</b>
<b>Completion Date</b>	: 2/5/2020	MOUNTAIN HOME AR 72653	<b>Printed</b>	: ✓	<b>Status</b>
<b>Create Date</b>	: 2/3/2020				: Closed
<b>Total Price</b>	: 426.37			<b>Total Cost</b>	: 352.74

Total number of work orders listed : 22

APPENDIX E  
LIFT STATION MAINTENANCE RECORDS

## CITY OF MOUNTAIN HOME WATER DEPARTMENT FM Worksheet Listing

Date : 11/1/2019 7:35:31 AM

User Name : mhwwtp

<b>Worksheet</b>	: 4808	<b>Schedule</b>	: WWMONSTA WW MONTHLY LS MAINT	<b>Worksheet Complete</b>	<input type="checkbox"/>
<b>Create Date</b>	: 11/1/2019	<b>Labor</b>	: 2807 CHARLES SPIVEY		
<b>Close Date</b>	:				

<b>Equipment</b>	: WW365 CARLILE LIFT STATION	<b>Location</b>	: WASTEWATER PLANT	<b>Procedure Complete</b>	<input checked="" type="checkbox"/>
<b>Procedure</b>	: WWVACST VACUUM STATIONS				
<b>Labor</b>	: 2807 CHARLES SPIVEY				
<b>Work Order</b>	:				
<b>Notes</b>	: <i>pumped out 11/19/19 MW DS RL</i>				

<b>Equipment</b>	: WW370 MONROE LIFT STATION	<b>Location</b>	: WASTEWATER PLANT	<b>Procedure Complete</b>	<input type="checkbox"/>
<b>Procedure</b>	: WWVACST VACUUM STATIONS				
<b>Labor</b>	: 2807 CHARLES SPIVEY				
<b>Work Order</b>	:				
<b>Notes</b>	: <i>pumped out 11/20/19 MW DS RL</i>				

<b>Equipment</b>	: WW541 INDIAN CREEK LIFT STATION	<b>Location</b>	: WASTEWATER PLANT	<b>Procedure Complete</b>	<input checked="" type="checkbox"/>
<b>Procedure</b>	: WWVACST VACUUM STATIONS				
<b>Labor</b>	: 2807 CHARLES SPIVEY				
<b>Work Order</b>	:				
<b>Notes</b>	: <i>pumped out MW DS RL 11/18/19</i>				

<b>Equipment</b>	: WW549 CR 390 LIFT STATION	<b>Location</b>	: WASTEWATER PLANT	<b>Procedure Complete</b>	<input type="checkbox"/>
<b>Procedure</b>	: WWVACST VACUUM STATIONS				
<b>Labor</b>	: 2807 CHARLES SPIVEY				
<b>Work Order</b>	:				
<b>Notes</b>	:				

<i>dumped out woodcreek</i>	<i>11/19/19 MW DS RL</i>
-----------------------------	--------------------------

**YEAR 2019**

**MOUNTAIN HOME WASTEWATER PLANT LIFT STATION MONTHLY RUN TIMES**

LIFT STATION NAME	PUMP #	BEGINNING	ENDING	TOTAL RUN
		READING	READING	TIME
				November
IND PARK LS #1	PUMP #1	1286.9	1313.6	<b>26.7</b>
	PUMP #2	6344.7	6390.4	<b>45.7</b>
IND PARK LS #2	PUMP #1	430.2	473.7	<b>43.5</b>
	PUMP #2	2246.3	2291.5	<b>45.2</b>
IND PARK LS #3	PUMP #1	631.6	638.1	<b>6.5</b>
	PUMP #2	13.25	20.08	<b>6.83</b>
MONROE LS	PUMP #1	8609.5	8663.6	<b>54.1</b>
	PUMP #2	3862.9	3915.6	<b>52.7</b>
FRANKLIN LS	PUMP #1	2133.75	2152.79	<b>19.04</b>
	PUMP #2	3892.44	3910.03	<b>17.59</b>
WOODCREEK	PUMP #1	3679.4	3696	<b>16.6</b>
	PUMP #2	5810.68	5831.5	<b>20.82</b>
PARKWOOD LS	PUMP #1	1830.6	1840.3	<b>9.7</b>
	PUMP #2	1757.4	1766.4	<b>9</b>
INDIAN CREEK	PUMP #1	5687.4	5839.6	<b>152.2</b>
	PUMP #2	5670	5874.7	<b>204.7</b>
HWY 62 . LS	PUMP #1	224.79	227.78	<b>2.99</b>
	PUMP #2	210.98	214.15	<b>3.17</b>
CR 390 LS	PUMP #1	4500	4500	<b>0</b>
	PUMP #2	4510.8	4585.5	<b>74.7</b>
BIG CREEK LS	PUMP #1	564.19	570.84	<b>6.65</b>
	PUMP #2	538.84	543.58	<b>4.74</b>
CARLILE LS	PUMP #2	85.2	113.5	<b>28.3</b>
	PUMP #2	93.8	122.5	<b>28.7</b>

**YEAR 2019 MOUNTAIN HOME WASTEWATER PLANT LIFT STATION MONTHLY RUN TIMES**

LIFT STATION NAME	PUMP #	BEGINNING	ENDING	TOTAL RUN
		READING	READING	TIME
				December
IND PARK LS #1	PUMP #1	1313.6	1328.7	15.1
	PUMP #2	6390.4	6415	24.6
IND PARK LS #2	PUMP #1	473.7	496.9	23.2
	PUMP #2	2291.5	2315.8	24.3
IND PARK LS #3	PUMP #1	638.1	643	4.9
	PUMP #2	20.08	25.32	5.24
MONROE LS	PUMP #1	8663.6	8706.3	42.7
	PUMP #2	3915.6	3957.5	41.9
FRANKLIN LS	PUMP #1	2152.79	2170.86	18.07
	PUMP #2	3910.03	3927.09	17.06
WOODCREEK	PUMP #1	3696	3724.1	28.1
	PUMP #2	5831.5	5833.15	1.65
PARKWOOD LS	PUMP #1	1840.3	1850.2	9.9
	PUMP #2	1766.4	1776	9.6
INDIAN CREEK	PUMP #1	5839.6	6036.2	196.6
	PUMP #2	5874.7	6092.9	218.2
HWY 62 . LS	PUMP #1	227.78	230.27	2.49
	PUMP #2	214.15	216.78	2.63
CR 390 LS	PUMP #1	4500	4535.9	35.9
	PUMP #2	4585.5	4603.4	17.9
BIG CREEK LS	PUMP #1	570.84	576.53	5.69
	PUMP #2	543.58	549.28	5.7
CARLILE LS	PUMP #2	113.5	140.2	26.7
	PUMP #2	122.5	136.5	14



**YEAR 2020 MOUNTAIN HOME WASTEWATER PLANT LIFT STATION MONTHLY RUN TIMES**

LIFT STATION NAME	PUMP #	BEGINNING	ENDING	TOTAL RUN
		READING	READING	TIME
				Jan-20
IND PARK LS #1	PUMP #1	1328.7	1352.4	<b>23.7</b>
	PUMP #2	6415	6454.8	<b>39.8</b>
IND PARK LS #2	PUMP #1	496.9	535	<b>38.1</b>
	PUMP #2	2315.8	2357.4	<b>41.6</b>
IND PARK LS #3	PUMP #1	643	649.1	<b>6.1</b>
	PUMP #2	25.32	31.79	<b>6.47</b>
MONROE LS	PUMP #1	8706.3	8770.1	<b>63.8</b>
	PUMP #2	3957.5	4021.6	<b>64.1</b>
FRANKLIN LS	PUMP #1	2170.86	2197.58	<b>26.72</b>
	PUMP #2	3927.09	3953.32	<b>26.23</b>
WOODCREEK	PUMP #1	3724.1	3762.4	<b>38.3</b>
	PUMP #2	5833.15	5833.15	<b>0</b>
PARKWOOD LS	PUMP #1	1850.2	1862.4	<b>12.2</b>
	PUMP #2	1776	1787.2	<b>11.2</b>
INDIAN CREEK	PUMP #1	6036.2	6294.4	<b>258.2</b>
	PUMP #2	6092.9	6367.5	<b>274.6</b>
HWY 62 . LS	PUMP #1	230.27	233.29	<b>3.02</b>
	PUMP #2	216.78	220.03	<b>3.25</b>
CR 390 LS	PUMP #1	4535.9	4595.1	<b>59.2</b>
	PUMP #2	4603.4	4603.4	<b>0</b>
BIG CREEK LS	PUMP #1	576.53	583.13	<b>6.6</b>
	PUMP #2	549.28	555.78	<b>6.5</b>
CARLILE LS	PUMP #2	140.2	205.4	<b>65.2</b>
	PUMP #2	136.5	136.5	<b>0</b>

APPENDIX F  
RAINFALL RECORDS

Month/Yr NOVEMBER 2019

# Influent

Day	Weather		Side #1	Side #2	NH <sub>4</sub> -N T-N-T mg/l	BOD		PHOS		TSS		VSS		
	Precip	Type	INRS Flow MGD	INRS Flow MGD		MGD Flow	mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	% VSS
1			2.503	1.751		2.258								
2			2.485	1.664		2.613								
3			2.528	1.748		2.624								
4	.03	R	2.426	1.660		1.522								
5			2.470	1.737		1.666								
6	1.44	R	2.459	1.674	20.1	1.535	35.0	1,728			213	2,727	196	92%
7	1.36	R	2.403	1.651		5.618			1.51	126.2				
8			2.820	1.680		7.358								
9			2.072	1.667		4.301								
10			2.409	1.640		3.662								
11	0.7	R	2.431	1.668		3.391								
12	0.7	R	2.458	1.624		4.334								
13			2.449	1.680	10.4	3.352	66.0	1,845			263	7,352	209	79%
14			2.357	1.429		2.761			6.03	193.1				
15			2.332	1.588		2.208								
16			2.308	1.552		2.565								
17	.02	R	2.37	1.518		2.258								
18	.05	R	2.408	1.575		2.305								
19			2.382	1.682		2.459								
20	.06	R	2.415	1.710	15.8	2.828	306.0	7,217			211	4,977	189	90%
21	.54	R	2.409	1.687		3.070			7.23	174.9				
22	.69	R	2.345	1.645		4.523								
23			2.336	1.616		7.506								
24			2.332	1.600		3.781								
25			2.393	1.634		2.869								
26	.21	R	2.412	1.727	8.6	2.549	145.5	3,093			120	2,551	114	95%
27			2.367	1.686		2.973			6.15	184.1				
28	.77	R	2.139	1.686		4.056								
29	.17	R	2.139	1.686		4.057								
30	.12	R	2.347	1.563		5.223								
31			2.342	1.557		5.359								
Min.														
Max.														
Avg.	.49	R	2.410	1.659	13.7		163.1	3,471	5.23	169.6	202	4,402	177	89%
Total	6.26	R	72.300	42,728	54.9	102,859	652.5	13,883	20.92	678.3	807	17,607	208	

c - clear w - windy cl - cloudy  
ca - calm r - rain s - snow

lbs. = mg/l x 8.34 x flow in MGD

SVI = 30

% removal =  $\frac{\text{Influent} - \text{Effluent}}{\text{Influent}} \times 100$

F/M = lbs

% VSS =  $\frac{\text{VSS}}{\text{TSS}} \times 100$

TSS

Month/Yr DECEMBER 2019

# Influent

Day	Weather		Side #1	Side #2	NH <sub>3</sub> -N T-4-T mg/l	BOD		PHOS		TSS		VSS	
	Precip	Type	MFG Flow MGD	MFG Flow MGD		mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	% VSS
1			2.342	1.557		5.359							
2			2.430	1.618		4.389							
3			2.369	1.634		4.152							
4			2.395	1.670	11.8	2.478	91.5	1,891			156	3,224	140 90%
5	.09	R	2.395	1.647		2.494			5.48	127.1			
6	.08	R	2.396	1.698		2.447							
7			2.302	1.568		2.322							
8	.01	R	2.332	1.558		2.340							
9			2.336	1.552		2.385							
10			2.496	1.717		2.532							
11			2.215	1.573	15.6	2.544	105.0	2,223			213	4,519	176 83%
12			2.320	1.427		2.542			6.48	164.8			
13	.01	R	2.449	1.590		2.255							
14			2.270	1.505		2.119							
15	.03	R	2.226	1.409		2.374							
16	0.3	R	2.247	1.516		1.355							
17			2.311	1.591		2.712							
18			2.366	1.561	15.6	2.555	84.0	1,710			269	5,732	238 88%
19			2.197	1.507		3.143			10.30	250.0			
20	.08	R	2.291	1.468		2.947							
21	.04	R	2.244	1.407		2.495							
22			2.263	1.408		2.198							
23			2.235	1.407		2.005							
24			2.258	1.386		2.140							
25			2.248	1.361	16.4	2.143	156.0	2,788	5.05	101.1	254	4,540	236 93%
26			2.285	1.412		2.074							
27			2.205	1.366		2.373							
28	.56	R	2.253	1.391		1.713							
29	.13	R	2.236	1.370		1.947							
30			2.279	1.406		2.511							
31			2.292	1.465		2.337							
Min.													
Max.													
Avg.	.13	R	2.306	1.510	14.9	2.561	109.1	2,174	6.83	160.8	223	4,504	198 89%
Total	1.33	R	71.40	46.805	59.4	72.386	436.5	8,697	27.31	643	892	18,015	790

\* c - clear w - windy cl - cloudy  
ca - calm r - rain s - snow

lbs. = mg/l x 8.34 x flow in MGD

SVI = 30

% removal =  $\frac{\text{Influent} - \text{Effluent}}{\text{Influent}} \times 100$

F/M = lbs

% VSS =  $\frac{\text{VSS}}{\text{TSS}} \times 100$

TSS

Month/Yr JANUARY 2020

# Influent

Day	Weather		Side #1	Side #2	NH <sub>4</sub> -N T-N-T mg/l	BOD		PHOS		TSS		VSS		
	Precep	Type	MFGS Flow MGD	MFGS Flow MGD		mg/l	lbs	mg/l	lbs	mg/l	lbs	mg/l	lbs	
1			2.231	1.446	15.3	2.166	121.5	2.195			308	5587	287	93
2	.29	R	2.315	1.528		2.175			9.35	202.0				
3			2.246	1.472		2.320								
4			2.280	1.481		1.952								
5			2.244	1.494		1.404								
6			2.239	1.436		1.388								
7			2.252	1.410		1.696								
8			2.281	1.484	18.5	2.565	162.0	3.466			206	4,407	184	89
9	.54	R	2.302	1.513		1.392			8.57	145.8				
10	1.13	R	2.318	1.522		2.208								
11	.8	S	2.249	1.430		4.539								
12			2.245	1.377		3.760								
13			2.215	1.381		1.763								
14			2.236	1.369		4.385								
15			2.294	1.467	8.7	3.824	78.0	2,488			306	9,759	292	95
16	.01	R	2.295	1.528		3.492			5.38	179.5				
17	.65	R	2.283	1.522		3.395								
18	.11	R	2.301	1.486		3.932								
19			2.253	1.450		4.089								
20	.03	R	2.230	1.419		3.078								
21			2.251	1.444		3.129								
22	.53	R	2.216	1.467	11.7	3.274	91.5	2,498			150	4,096	131	87
23	.48	R	2.321	1.453		3.195			3.53	164.0				
24	.11	R	2.296	1.515		5.079								
25			2.270	1.475		4.301								
26	.08	R	2.255	1.470		2.776								
27			2.239	1.466		3.013								
28	.24	R	2.305	1.565		3.680								
29	.13	R	2.358	1.497	9.3	4.486	133.5	4,995			439	16,424	351	80
30			2.364	1.533		4.976			3.96	174.4				
31			2.358	1.523		4.104								
Min.														
Max.														
Avg.	.37	R/S	2.277	1.470	12.7	3.146	117.3	3,128	6.16	173.4	282	8,055	249	899
Total	5.13	R/S	70.598	45.583	63.5	97,539	586.5	15,472	30.79	865.7	1,409	40,273	1,245	

\* c - clear w - windy cl - cloudy  
ca - calm r - rain s - snow

lbs. = mg/l x 8.34 x flow in MGD  
% removal =  $\frac{\text{Influent} - \text{Effluent}}{\text{Influent}} \times 100$

SVI =

% VSS =  $\frac{\text{VSS}}{\text{TSS}} \times 100$

F/M =

APPENDIX G  
OVERFLOW RECORDS

**2019**

DATE OF SSO	LOCATION ADDRESS OF SSO IF PRIVATE SERVICE	MANHOLE NUMBER	ESTIMATED VOLUME (GAL)	CAUSE OF SSO	ACTION TAKEN TO ADDRESS THE SSO	ULTIMATE DISCHAGE LOCATION
12/19/2019		MH# 120-045	25	ROOTS	JET VAC	GROUND

**2020**

DATE OF SSO	LOCATION ADDRESS OF SSO IF PRIVATE SERVICE	MANHOLE NUMBER	ESTIMATED VOLUME (GAL)	CAUSE OF SSO	ACTION TAKEN TO ADDRESS THE SSO	ULTIMATE DISCHAGE LOCATION
1/11/2020	537 HICKS ROAD	AT PLANT	2,000	EQUIPMENT FAILURE	SPREAD LIME ON AFFECTED AREA	GROUND
1/11/2020		INDIAN CREEK LS	100	I & I	SPREAD LIME ON AFFECTED AREA	GROUND