



## Memorandum

**DATE:** September 4, 2019

**TO:** Ronald Wastewater District (RWD) Board of Commissioners

**FROM:** Jesse Peterson, Wastewater Manager

**RE:** Maintenance Report – August 2019

**CC:** Lance Newkirk, Utility and Operations Manager

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### Summary

This report provides a recap of the maintenance, operations and permitting activities for August 2019.

### Maintenance and Operations

Task	Unit of Measure	Monthly Target	Annual Target	Month (AUG)	YTD
CCTV Inspections	Linear feet	7,000	84,000	5,736	69,893
Pipeline Cleaning	Linear feet	23,000	276,000	38,592	219,969
FOG Inspection	Each	31	372	48	331
Generator Operations	Each	8	96	8	64
Grinder Pump Inspection	Each	Triannual	63	0	42
Wet Well	Each	Triannual	45	0	30
Lift Station Inspection	Each	65	780	65	520
Manholes Inspection	Each	200	2,400	177	690
Permits Issued	Each	15	180	35	279
Utility Locates	Each	175	2,100	386	2,902

Additional detail describing the maintenance and operational activities is provided below.

#### CCTV Inspection

- 5,736 linear feet in grid area E1

Pipeline Cleaning

- Main –38,592 linear feet in grid areas I3, I2, I1 and various problematic areas

FOG

- 48 inspections were completed - see Attachment A (FOG report) for additional detail

Generators

- 8 stationary generators exercised under load

Grinder Pump/Wet Well

- No reportable work activity this period

Manholes

- 177 manholes inspected in areas I3, I2, I1 and J6 which contains manholes in easement areas that must be located and/or uncovered

Lift Stations and Grinder Pumps

- Lift Station #11 received electrical repairs to the motor controller relay/overload relay

Permits Issued

**Planning and Permitting**

<i>Type</i>	<i>Single Family</i>	<i>Commercial</i>	<i>Month (AUG)</i>	<i>YTD</i>
New Connection	5	1	6	63
Repair		20	20	120
Cap Off	7	1	8	89
Coring				
Discharge		1	1	5
Dry Line				1
Developer Extension				1
Total:	12	23	35	279

Final Inspections	44	2	46	208
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Utility locates

- 386 locates accomplished this month

## Other

### Administration

- Prepared an August Pump Run Time and Flow Report – see Attachment B

### Facilities/Fleet/Equipment

- Staff attended a Vactor 2100 sewer cleaner truck demo
- Lift Station #6 and #15 were painted/detailed – See Attachment D
- CCTV transport reel repair parts are on order

### Emergencies/Call-outs

- 1 standby staff call-out - see Attachment C

### Customer Service

- No reportable work activity this period

### Personnel

- No reportable work activity this period

## Maintenance and Operations

<i>Category</i>	<i>Month (AUG)</i>	<i>YTD</i>
Administrative	22	582.75
CCTV Inspection	74	897
Facility/Equipment/Fleet Mgt.	100	704
Fats, Oil and Grease (FOG)	24	253
Manholes	42	405.5
Pipeline (Main)	126.5	1111.75
Pipeline (Side Sewer)	15.5	99.5
LS/Grinder Pumps	197	1166
Utility Locates	119.25	1093
Standby	618	6216.5
Callback	6	65
Overtime	3	73.25
Holiday\ Vacation\ Sick\Bereavement\ Personal\Other	95.75	1538.75
Total Hours:	1,443	14,206

## PLANNING AND PERMITTING

<i>Category</i>	<i>Month (AUG)</i>	<i>YTD</i>
Pre-application	3	72
Wastewater Development Review	62	449
Field Checks	20	125
Developer Extensions	33.5	217.5
GIS/Mapping	21	265.5
Customer Service	39	388
Administration	14.5	317
Inspections	55	428
Overtime	0	7
Holiday\ Vacation\ Sick\Bereavement\ Personal\Other	24	372
Total Hours:	272	2,641

### Look Ahead

- Continue to refine monthly Maintenance Report

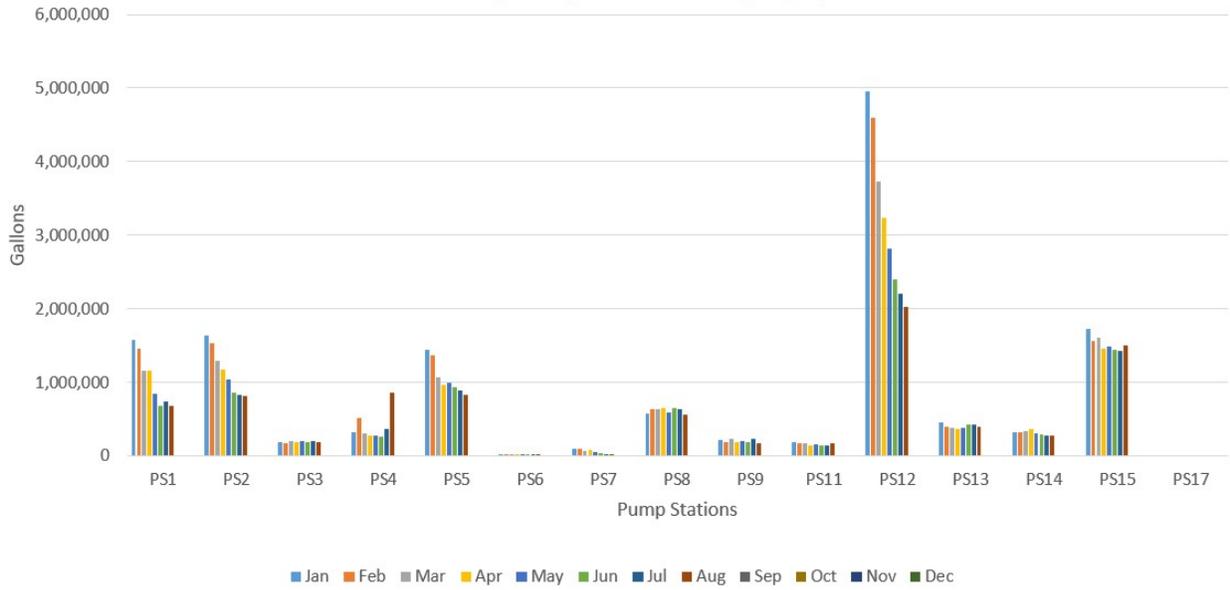
# ATTACHMENT A

## City of Shoreline Fog Program Report Aug-19

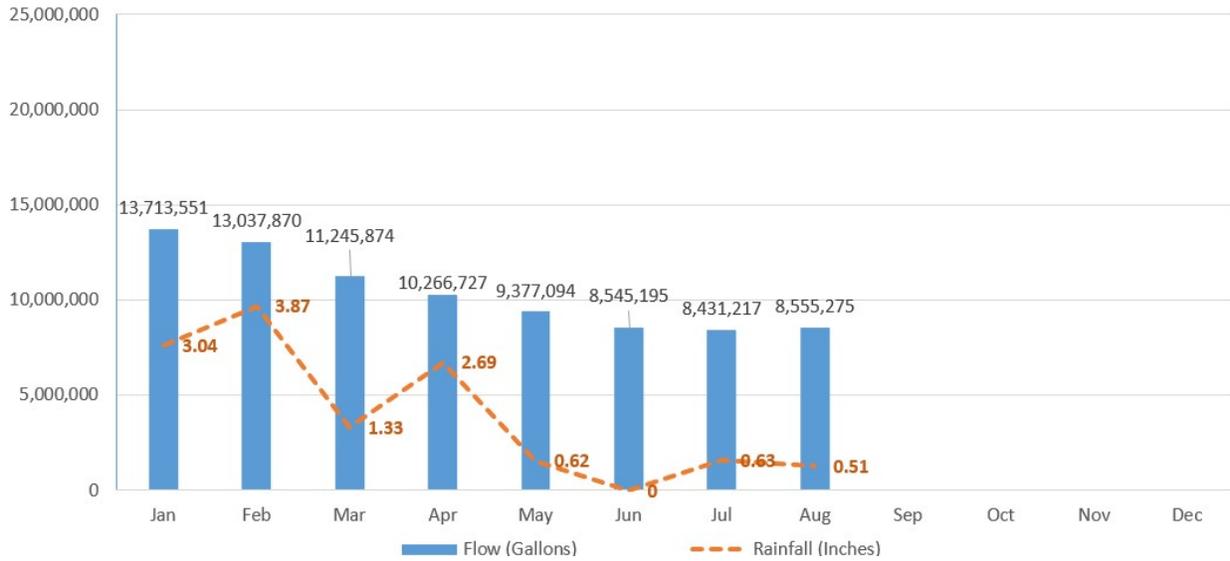
Day	Inspections	New Account	Notice of Defect (Install Req'd)	1st Violation	2nd Violation (\$250.00)	In Compliance
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19	6			1		5
20	9			2		7
21	10					10
22	9					9
23	11	1				10
24						
25						
26						
27						
28	3					3
29						
30						
31						
<b>TOTAL</b>	<b>48</b>	<b>1</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>44</b>

# ATTACHMENT B

## Monthly Pump Station Flow (Single)



## 2019 Monthly Pump Station Flow and Rainfall Data



## ATTACHMENT C

	<h3 style="margin: 0;">WORK ORDER</h3>	City of Shoreline, WA 17500 Midvale Ave N Shoreline, WA 98133
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**General:**

- WO No: <b>31170</b>	-WO CATEGORY: REACTIVE	-WO PRIORITY: Medium	-SR No.:	-SR DESCRIPTION:
-SUBMITTED TO: TBD, TBD			-STATUS: CLOSED	
-WO DESCRIPTION: SCADA ALARM				

**Location:**

-GENERAL LOCATION: 19101 17th Ave NW
-ADDRESS: 19101 17th Ave NW

**Information and Status:**

-WO REQUESTED BY:	-SUPERVISOR: PETERSON, JESSE
-PROJECTED START DATE: 8/13/2019 6:00:00 PM	-PROJECTED FINISH DATE: 8/13/2019 7:00:00 PM
-ACTUAL START DATE:	-ACTUAL FINISH DATE: 8/13/2019 7:00:00 PM
-WO INSTRUCTIONS: Taylor Rogers received an after hours SCADA alarm and visited the site	
-WO COMMENTS:	

**Completion:**

-WO CLOSED BY: PETERSON, JESSE	-WORK COMPLETED BY: ROGERS, TAYLOR
-DATE WO CLOSED: 8/15/2019 10:32:38 AM	

ATTACHMENT D

