



Memorandum

DATE: November 5, 2019

TO: Ronald Wastewater District (RWD) Board of Commissioners

FROM: Jesse Peterson, Wastewater Manager

RE: Maintenance Report – October 2019

CC: Lance Newkirk, Utility and Operations Manager

Summary

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

Maintenance and Operations

Task	Unit of Measure	Monthly Target	Annual Target	Month (OCT)	YTD
CCTV Inspections	Linear feet	7,000	84,000	17,752	98,752
Pipeline Cleaning	Linear feet	23,000	276,000	24,521	265,772
FOG Inspection	Each	31	372	32	392
Generator Operations	Each	8	96	8	80
Grinder Pump Inspection	Each	Triannual	63	21	63
Wet Well	Each	Triannual	45	0	45
Lift Station Inspection	Each	65	780	65	650
Manholes Inspection	Each	200	2,400	65	845
Permits Issued	Each	15	180	26	331
Utility Locates	Each	175	2,100	319	3,616

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

CCTV Inspection

- 17,752 linear feet in grid areas E1 and F6

Pipeline Cleaning

- Main –24,521 linear feet in the problematic root mains areas

FOG

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

Generators

- 8 stationary generators exercised under load

Grinder Pump/Wet Well

- Grinder pumps received the 3rd inspection of the calendar year

Manholes

- 65 manholes inspected in areas J2, J1 and various other areas

Lift Stations and Grinder Pumps

- CHS/Maintenance Manager visited each grinder pump site to develop the project scope

Permits Issued

Planning and Permitting

<i>Type</i>	<i>Single Family</i>	<i>Commercial</i>	<i>Month (OCT)</i>	<i>YTD</i>
New Connection	4		4	70
Repair	16	1	17	156
Cap Off	2		2	95
Coring	2		2	2
Discharge				5
Dry Line				1
Developer Extension	1		1	2
Total:			26	331

Final Inspections	18		18	255
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Utility locates

- 319 locates accomplished this month

Other

Administration

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

Facilities/Fleet/Equipment

- Old CCTV camera was sent out for repair

Emergencies/Call-outs

- 2 standby staff call-outs - see Attachment C
- 1 after hours emergency locate was completed for Seattle Public Utilities

Customer Service

- No reportable work activity this period

Personnel

- No reportable work activity this period

Maintenance and Operations

<i>Category</i>	<i>Month (OCT)</i>	<i>YTD</i>
Administrative	49.5	750.75
CCTV Inspection	177.5	1231
Facility/Equipment/Fleet Mgt.	37	773.5
Fats, Oil and Grease (FOG)	20	296.5
Manholes	79	637.5
Pipeline (Main)	85	1401.75
Pipeline (Side Sewer)	22	190.5
LS/Grinder Pumps	73.75	1375.75
Utility Locates	93.5	1371.5
Standby	473.5	7735.5
Callback		72
Overtime		73.25
Holiday\ Vacation\ Sick\Bereavement\ Personal\Other	34.75	1643.5
Total Hours:	1145.5	17553

PLANNING AND PERMITTING

<i>Category</i>	<i>Month (OCT)</i>	<i>YTD</i>
Pre-application	8	85
Wastewater Development Review	49	543
Field Checks	7	150
Developer Extensions	20	264.5
GIS/Mapping	28	317.5
Customer Service	40	474
Administration	29	391
Inspections	35	573
Overtime		7
Holiday\ Vacation\ Sick\Bereavement\ Personal\Other	8	444
Total Hours:	224	3249

Look Ahead

- Continue to refine monthly Maintenance Report

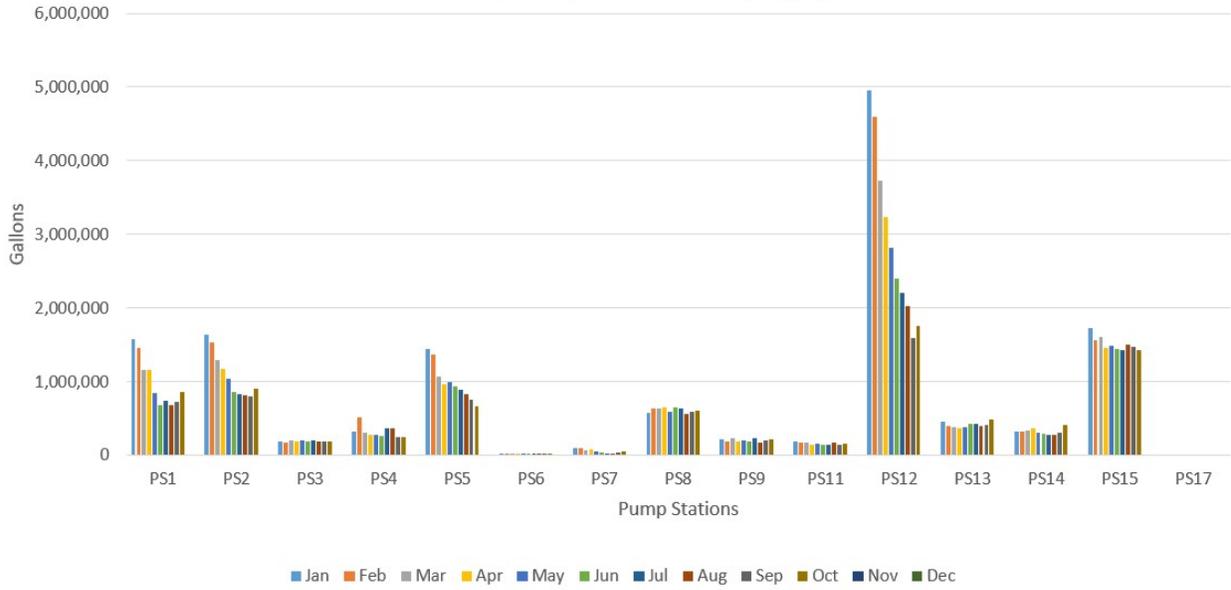
ATTACHMENT A

City of Shoreline Fog Program Report Oct-19

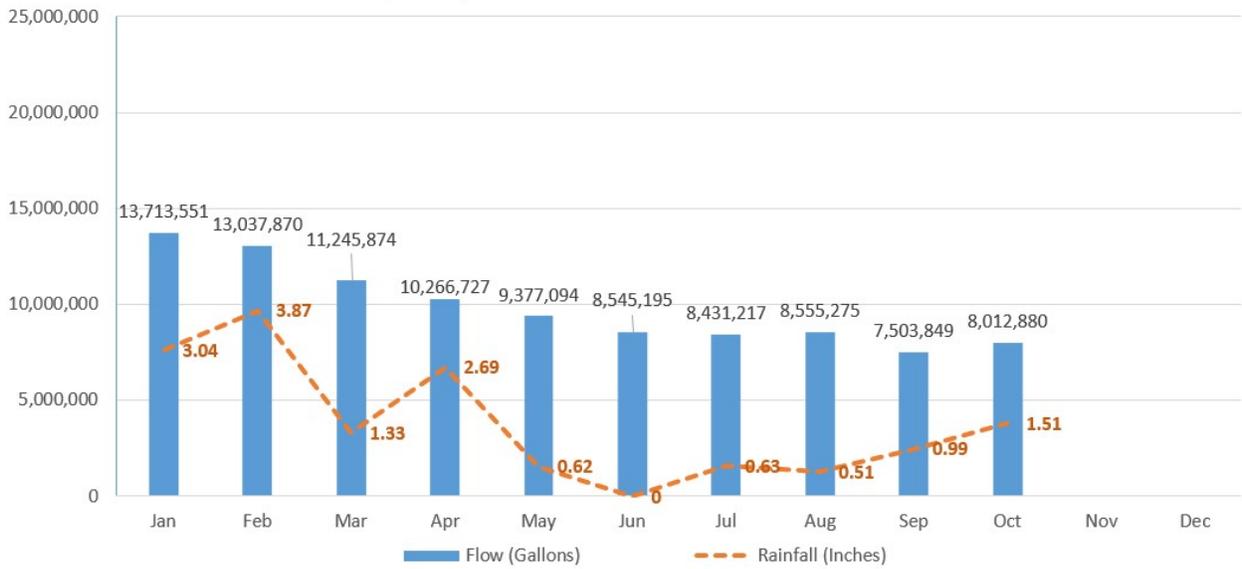
Day	Inspections	New Account	Notice of Defect (Install Req'd)	1st Violation	2nd Violation (\$250.00)	3rd Violation (\$500.00)	In Compliance
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15	6			2			4
16	9			2			7
17	5						5
18	9						9
19							
20							
21							
22							
23							
24							
25	3						3
26							
27							
28							
29							
30							
31							
TOTAL	32			4			28

ATTACHMENT B

Monthly Pump Station Flow (Single)



2019 Monthly Pump Station Flow and Rainfall Data



ATTACHMENT C

	WORK ORDER	City of Shoreline, WA 17500 Midvale Ave N Shoreline, WA 98133
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General:

- WO No: 32325	- WO CATEGORY: REACTIVE	- WO PRIORITY: Medium	- SR No.:	- SR DESCRIPTION:
- SUBMITTED TO: JOHNSTON, JAMES			- STATUS: CLOSED	
- WO DESCRIPTION: SCADA ALARM				

Location:

- GENERAL LOCATION: LS14
- ADDRESS:

Information and Status:

- WO REQUESTED BY:	- SUPERVISOR: PETERSON, JESSE
- PROJECTED START DATE: 10/4/2019 9:55:00 PM	- PROJECTED FINISH DATE: 10/4/2019 11:30:00 PM
- ACTUAL START DATE:	- ACTUAL FINISH DATE: 10/7/2019 11:30:10 PM
- WO INSTRUCTIONS: SCADA alarm, pump breakers tripped, reset and pumped down wet well	
- WO COMMENTS:	

Completion:

- WO CLOSED BY: PETERSON, JESSE	- WORK COMPLETED BY: JOHNSTON, JAMES
- DATE WO CLOSED: 10/7/2019 3:22:56 PM	

	WORK ORDER	City of Shoreline, WA 17500 Midvale Ave N Shoreline, WA 98133
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General:

- WO No: 32665	- WO CATEGORY: REACTIVE	- WO PRIORITY: Medium	- SR No.:	- SR DESCRIPTION:
- SUBMITTED TO: BROOKS, CHARLES			- STATUS: CLOSED	
- WO DESCRIPTION: CLEAN				

Location:

- GENERAL LOCATION: 1533 NE 175th ST
- ADDRESS: 1533 NE 175th ST

Information and Status:

- WO REQUESTED BY:	- SUPERVISOR:
- PROJECTED START DATE: 10/20/2019 1:00:00 PM	- PROJECTED FINISH DATE: 10/20/2019 2:30:00 PM
- ACTUAL START DATE:	- ACTUAL FINISH DATE: 10/20/2019 2:30:00 PM
- WO INSTRUCTIONS: After hours call-out for side sewer blockage, staff discovered a faulty backwater valve. The flapper valve had come off the hinge and blocked the side sewer downstream. Staff removed the flapper valve and cleaned up site and returned to shop.	
- WO COMMENTS:	

Completion:

- WO CLOSED BY: PETERSON, JESSE	- WORK COMPLETED BY: BROOKS, CHARLES
- DATE WO CLOSED: 10/21/2019 9:18:59 AM	