



MONTHLY OPERATIONS REPORT

October 2019

Town of Discovery Bay, CA

3718 Days of Safe Operations

182,866 worked hours since last recordable incident

TRAINING:

Safety, Operations, & Equipment

- * TRAINING:

- • Safety

- * Slips & Trips

- * The Great Cal. Shack Out- Earthquake safety

- Operation

- None

REPORTS SUBMITTED TO REGULATORY AGENCIES

- * Monthly Discharge Monitoring Report (DMR)**
- * Monthly electronic State Monitoring Report (eSMR)**
- * Monthly Coliform Report, State Water Board (WD)**
- * Quarterly Discharge Monitoring Report (DMR)**
- * Quarterly electronic State Monitoring Report (eSMR)**
- * Quarterly Water Quality Report (DDW)**

WATER SERVICES

Groundwater Well:

- 1B - Active
- 2 – Active
- 4 – Active
- 5B - Active (Standby only)
- 6 – Active
- 7 - Active

2019 Water Production Table (MG) by Month

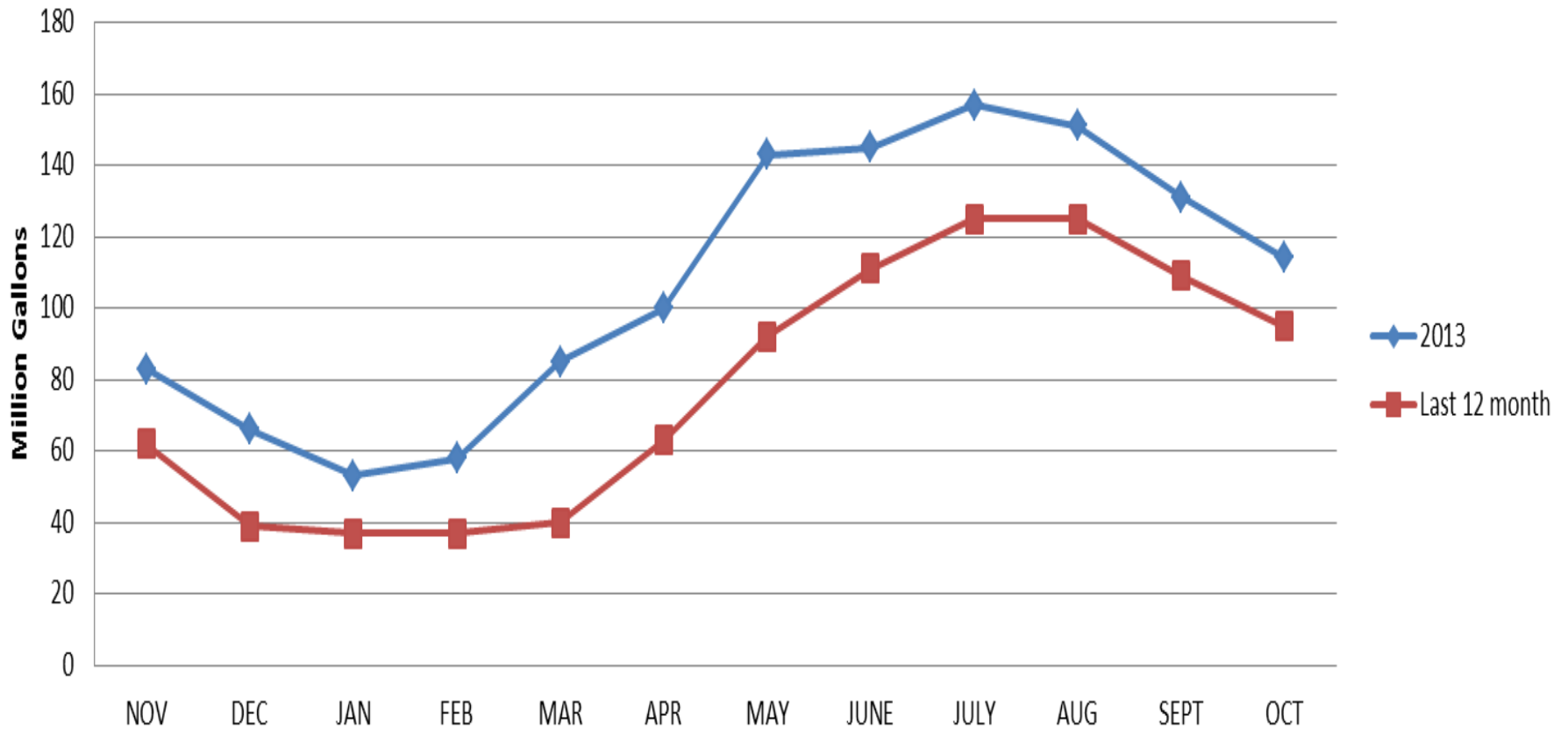
January	February	March	April	May	June
37	37	40	63	92	111
July	August	September	October	November	December
125	125	109	95		

Bacteriological Test Results

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls	Fire Hydrant Flushing
• 20	• 0	• 0	• 6	• 21

WATER USAGE

Water Production



Water Saved

Reduction Compared to 2013



WASTEWATER SERVICE

Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>Sept Lab Data</i>	<i>Oct Lab Data</i>
Flow, MG Effluent, monthly total	██████████	31	31
Flow, MG Daily Influent Flow, avg.	N/A	1.2	1.2
Flow, MG Daily Discharge Flow, avg.	2.1	1.0	1.0
Effluent BOD ₅ , lbs/d, monthly avg.	390	12	11
Effluent TSS, lbs/d, monthly avg.	200*	11	9
Effluent BOD ₅ , mg/L, monthly avg.	20	1	1
Effluent TSS, mg/L, monthly avg.	10*	1	1
Total Coli form 7 day Median Max	23	ND	ND
Total Coli form Daily Maximum	240	2	2
% Removal BOD ₅ , monthly avg.	85% min.	99%	99%
% Removal, TSS, monthly avg.	85% min.	99%	99%
Electrical Conductivity, umhos/cm annual avg.	2100	2269	2263

* New Limit

WASTEWATER SERVICE

* National Pollution Discharge Elimination System (NPDES)

NPDES Related Excursions	Permit Parameter	NPDES Parameter Limit	Actual Parameter Result
• 0	N/A	• N/A	• N/A

Small SSO due to “flushable” ragged build up with grease

COLLECTION:

# of Active Lift Stations	# of Inactive Lift Stations	SSO	Wastewater Received (MG)
15	0	0	38

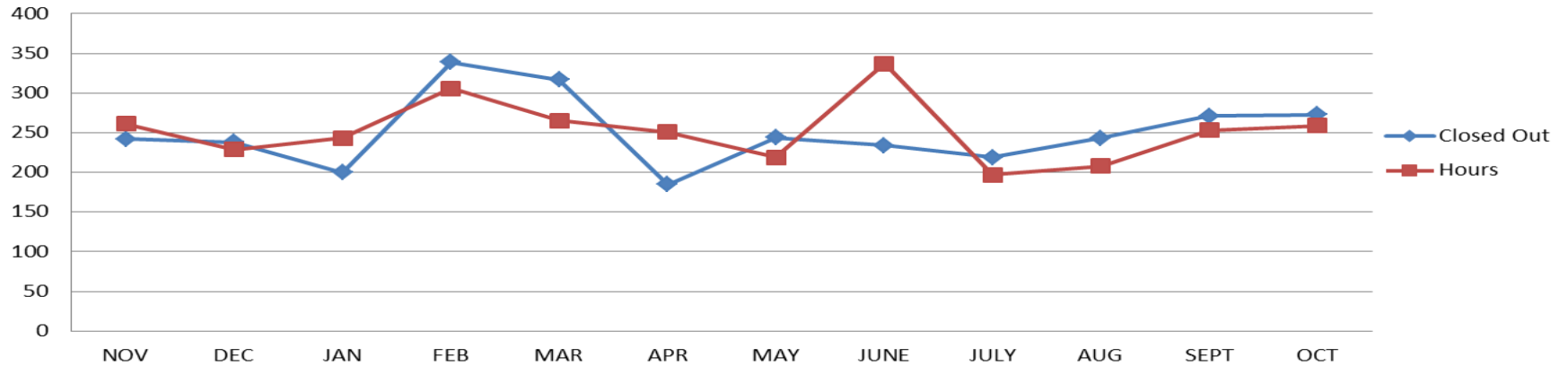
WASTEWATER SERVICE

- * Continue sanitary sewer line assessment
- * Flushed/CCTV will be performed after assessment
- * Manhole & covers inspection during assessment

Maintenance

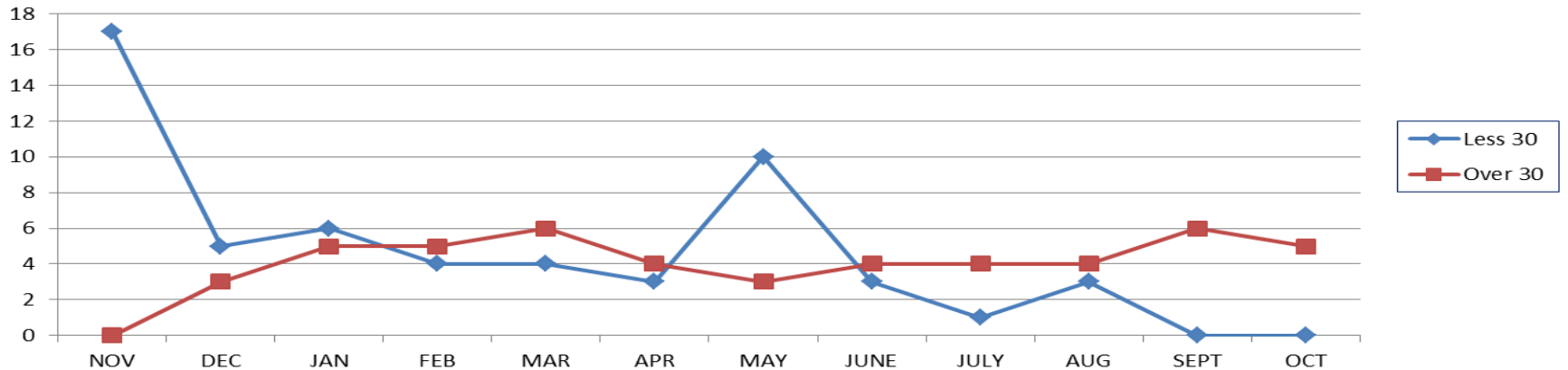
Preventive and Corrective

Work Orders



Work Order Back-Log

WO Backlog



General Info

Call & Emergency Responses

Call Outs

8

Emergencies

0

Personnel Hours & Overtime:

Regular Hours

1656

Overtime

41

TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
SSO	SANITARY SEWER OVERFLOW
BOD	BIOLOGICAL OXYGEN DEMAND
TSS	TOTAL SUSPENDED SOLIDS
MGD	MILLION GALLONS PER DAY
mg/l	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PARTS PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WATSE ACTIVATED SLUDGE
UV	ULTRAVIOLET LIGHT