

MONTHLY OPERATIONS REPORT

March 2013

Town of Discovery Bay, CA

1309 Days of Safe Operations

56341 worked hours since last recordable incident

TRAINING:

Safety, Operations, & Equipment

Safety	Hours
General Electrical Safety Including Shocks & Burns Safety Vehicle Housekeeping Lock Out Tag Out Control of Hazardous Energy Behavioral Observation Safety Reporting Monthly Regional Safety Webinar	3.0
Operation	
Fermin Garcia Annual Project Manager Corp Meeting	40.0

WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	86.0	2435	0

Note: Well 4 in lead and Well 5 in lag to offset specific conductivity

2013 Water Production (MG) by Month

January	February	March	April	May	June
51.48	55.88	86.09			
July	August	September	October	November	December

Bacteriological Test Results:

Routine Bacteria Samples Collected	No. Total Coliform Positives	No. Fecal/E. coli Positives	Brown Water Calls
16	0	0	0

WASTEWATER SERVICE

Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>January Lab Data</i>	<i>February Lab Data</i>
Flow, MG Effluent, monthly total		33.9	38.97
Flow, MG Daily Discharge Flow, avg.	2.1	1.21	1.26
Effluent BOD ₅ , lbs/d, monthly avg.	350	71	80
Effluent TSS, lbs/d, monthly avg.	525	59	76
Effluent BOD ₅ , mg/L, monthly avg.	20	7	8
Effluent TSS, mg/L, monthly avg.	30	7	7
Total Coli form 7 day Median Max	23	42	115
Total Coli form Daily Maximum	240	70	175
% Removal BOD ₅ , monthly avg.	85% min.	97	96
% Removal, TSS, monthly avg.	85% min.	96	96
Electrical Conductivity, umhos/cm annual avg.	2100	2144 (YTD)	2118 (YTD)

Red - new parameter added

National Pollution Discharge Elimination System (NPDES)

<u>NPDES Related Excursions</u>	<u>Permit Parameter</u>	<u>NPDES Parameter Limit</u>	<u>Actual Parameter Result</u>
<u>5</u>	<u>Total Coliform</u>	<u>23 MPN</u>	<u>175 MPN</u>

Bacteriological Test Results:

<u>Routine Bacteria Samples Collected</u>	<u>No. Total Coliform Positives</u>	<u>No. Fecal/E. coli Positives</u>	<u>7-Day Median Excursion</u>
<u>9</u>	<u>4</u>	<u>0</u>	<u>5</u>

<u># of Active Lift Stations</u>	<u># of Inactive Lift Stations</u>	<u>Chemical Usage Polymer-gals</u>	<u>SSO</u>	<u>Wastewater Received (MG)</u>
15	0	70	1	41.26

COLLECTION:

- Flushed **19,357 ft** of sanitary sewer. YTD **66,778 ft. 100%** completed
- CCTV **32,354 ft. 100%** completed
- Inspected **74** manhole & covers. YTD **154**
- Cleaned out L/S "F"

MAINTENANCE

Wastewater

- Flow Meter installed at Belt Filter Press
- New sampler installed at Plant no.2 headworks
- Inspected lift stations weekly for the month
- Responded to an air relief valve leaking at the Newport Water Treatment Plant, there was a piece of plastic that forced the valve open, all proper procedures and notifications were performed by plant personnel
- Ordered new racks for UV bulb and channel cleaning
- Lakes lift station had two variable frequency drives fail
- Wastewater meter calibrations by Cooper Controls
- Replaced several burned relays on Mole B
- Replaced belts on Magna Rotor at Plant 2

Water

- Newport Water Treatment Plant well no.4 failed, was troubleshooted
- Newport Water Treatment Plant had chlorine pump no.2 rebuilt
- Worked on valve exercising of distribution valves

Preventive and Corrective

Total # of WO's Completed	Total Hours
242	126

Call & Emergency Responses

Call Outs	Emergencies
7	1

Personnel Hours & Overtime:

Regular Hours	Overtime
1274	23

TERMS

WWTP	WASTEWATER TREATMENT PLANT
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WL	WILLOW LAKE
NP	NEWPORT
VFD	VARIABLE FREQUENCY DRIVE
WO	WORK ORDER
PLC	PROGRAMMABLE LOGIC CONTROLLER
L/S	LIFT STATION
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