



MONTHLY OPERATIONS REPORT

April 2013

Town of Discovery Bay, CA

1337 Days of Safe Operations

57491 worked hours since last recordable incident

TRAINING:

Safety, Operations, & Equipment

Safety	Hours
Office Safety Training Safety Confined Space Entry West Region Safety Council Call Monthly Regional Safety Webinar	4.0
Operation	
Jennifer Bennett attended an Internal Control Webinar, topics discussed were: Sarbanes-Oxley Act (SOX), purchase orders dated after the vendor invoice, and use of P-Cards to pay for transactions requiring a purchase order	4.0

WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	187.31	2820	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	187.31		
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>March Lab Data</i>	<i>April Lab Data</i>
Flow, MG Effluent, monthly total		38.97	37.95
Flow, MG Daily Discharge Flow, avg.	2.1	1.26	1.27
Effluent BOD ₅ , lbs/d, monthly avg.	350	80	83
Effluent TSS, lbs/d, monthly avg.	525	76	93
Effluent BOD ₅ , mg/L, monthly avg.	20	8	7.7
Effluent TSS, mg/L, monthly avg.	30	7	9
Total Coli form 7 day Median Max	23	115	815
Total Coli form Daily Maximum	240	175	1600
% Removal BOD ₅ , monthly avg.	85% min.	96	96
% Removal, TSS, monthly avg.	85% min.	96	95
Electrical Conductivity, umhos/cm annual avg.	2100	2118 (YTD)	2114 (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>3</u>	<u>Total Coliform Median</u>	<u>23 MPN</u>	<u>815 MPN</u>
<u>1</u>	<u>Total Coliform Daily Maximum</u>	<u>240 MPN</u>	<u>1600 MPN</u>
<u>1</u>	<u>Ammonia Weekly</u>	<u>10 mg/l</u>	<u>Missed Sample</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>3</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	60	0	42.64

COLLECTION:

- Flushed **0 ft.** of sanitary sewer. YTD **66,778 ft.** **100%** completed
- CCTV **0 ft.** **100%** completed
- Inspected **74** manhole & covers. YTD **154**
- Lift station “F” pump no.1 shaft had a coupling failure, a temporary fix was performed until a new coupling is built
- Cleaned out L/S “F”
- The Lakes L/S pump no.2 VFD was installed but failed, had to be sent out again for repair
- MCC had to troubleshoot software issues at Newport L/S
- Inspected lift stations weekly for the month

MAINTENANCE

Wastewater

- Picked up and prepped the UV racks
- Magna Rotor Brush no.3 at Plant no.1 snapped and had to be replaced
- Switched UV channels from UV 3000 to UV 3000+ on April 10, 2013
- Greenhouse fan motors are drawing high amps, will need to be replaced
- Cleaned out UV 3000 channel on April 15, 2013
- Installed gear box in Magna Rotor Brush no.2 at Plant no.2
- Solar Dryer A mole was repaired and placed back into service

Water

- MCC had to troubleshoot software issues at Well no.6
- Well no. 4 failed, it had a blown fuse
- Days Generator worked on the generator at Newport Water Treatment Plant.
- Well no.5 had to have the chlorine pump rebuilt

Preventive and Corrective

Total # of WO's Completed	Total Hours
323	203

Call & Emergency Responses

Call Outs	Emergencies
15	1- Power Failure at L/S “R”

Personnel Hours & Overtime:

Regular Hours	Overtime
1150	68.5

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
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