



Town of Discovery Bay CSD
Received

MAR 20 2013

MONTHLY OPERATIONS REPORT

February 2013

Town of Discovery Bay, CA

1280 Days of Safe Operations

55068 worked hours since last recordable incident

TRAINING: Safety, Operations, & Equipment

Safety	Hours
Personal Protective Equipment	3.0
Asbestos in The Workplace	
Respiratory Protection	
Monthly Regional Safety Webinar	
Operation	
Lori Gabriel Project Manager Boot Camp	40.0
Joe Brandon Collection System Conference	40.0

WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	55.8	2040	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				
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		39.7	33.9
Flow, MG Daily Discharge Flow, avg.	2.1	1.28	1.21
Effluent BOD ₅ , lbs/d, monthly avg.	350	33	71
Effluent TSS, lbs/d, monthly avg.	525	58	59
Effluent BOD ₅ , mg/L, monthly avg.	20	3	7
Effluent TSS, mg/L, monthly avg.	30	5	7
Total Coli form 7 day Median Max	23	10.5	42
Total Coli form Daily Maximum	240	13	70
% Removal BOD ₅ , monthly avg.	85% min.	99	97
% Removal, TSS, monthly avg.	85% min.	97	96
Electrical Conductivity, umhos/cm annual avg.	2100	2173 (YTD)	2144

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>0</u>	<u>0</u>	<u>0</u>	<u>0</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>0</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	60	0	36.4



COLLECTION:

- Flushed 7,145 ft of sanitary sewer. YTD 47,421 ft. 72% completed
- CCTV 34,424 ft. 52% completed
- Inspected 21 manhole & covers. YTD 153
- Power Outage at L/S "E"
- Cleaned out L/S "F"

MAINTENANCE

Wastewater

- Annual 1-Ton Host Inspection was performed.
- Magna Rotor Aerator no.3 bearing replaced.
- Installed auto-lubes on rotor aerators.
- Influent sampler failed at Plant no.2, sampler will be replaced for compliance.
- Repaired sump pit for Magna Rotor Aerator no.2 at plant no.1.
- Trojan UV 3000Plus channel was cleaned out towards the end of the month.

Water

- Repaired 4-inch surface wash valve at Willow Lake Water Treatment Plant.
- Repaired booster pump no.1 at Newport Water Treatment Plant.
- Experienced a power failure at Newport lift station; reset the Main breaker.
- Well no.5 motor failed, went out for rewinding and should be done next month.
- Myers Control Corporation (MCC) performed troubleshooting at the Willow Lake Water Treatment Plant.

Preventive and Corrective

Total # of WO's Completed	Total Hours
199	159

Call & Emergency Responses

Call Outs	Emergencies
11	0

Personnel Hours & Overtime:

Regular Hours	Overtime
1155	35

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