



TOWN OF DISCOVERY BAY
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MONTHLY OPERATIONS REPORT
January 2013

Town of Discovery Bay, CA
1252 Days of Safe Operations
53912 worked hours since last recordable incident

TRAINING:
Safety, Operations, & Equipment

Safety	Hours
Defensive Driver and Fleet Safety Manual Review Safety Slippery Situations Hazardous Materials Awareness Monthly Regional Safety Webinar	3.0
Operation	
Drinking Water Bacteriological Sampling	1.0

WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	51.5	2185	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					
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
20	0	0	0

WASTEWATER SERVICE

Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>December Lab Data</i>	<i>January Lab Data</i>
Flow, MG Effluent, monthly total		44.4	39.7
Flow, MG Daily Discharge Flow, avg.	2.1	1.43	1.28
Effluent BOD ₅ , lbs/d, monthly avg.	350	21	33
Effluent TSS, lbs/d, monthly avg.	525	51	58
Effluent BOD ₅ , mg/L, monthly avg.	20	2	3
Effluent TSS, mg/L, monthly avg.	30	4	5
Total Coli form 7 day Median Max	23	7	10.5
Total Coli form Daily Maximum	240	17	13
% Removal BOD ₅ , monthly avg.	85% min.	99	99
% Removal, TSS, monthly avg.	85% min.	98	97
Electrical Conductivity, umhos/cm annual avg.	2100	2105(YTD)	2173 (YTD)

Red – new parameter added

# of Active Lift Stations	# of Inactive Lift Stations	Chemical Usage Polymer-gals	SSO	Wastewater Received (MG)
15	0	50	0	44.8

COLLECTION:

- Flushed 18,420 ft of sanitary sewer. YTD 40,276 ft. 61% completed
- CCTV 21,856 ft. 33% completed
- Inspected 68 manhole & covers. YTD 132
- Cleaned out L/S "F"

MAINTENANCE

Wastewater

- Set up new UV Bank A including brackets, installation and SCADA programing for effluent disinfection.
- Installed flow meter in dewatering station.
- Prep Magna Rotor Aerator no.3 for bearing replacement.

Water

- Cleaned out the sludge from the bottom of WLWTP backwash tank.
- Installed new 6-inch isolation valve on WLWTP backwash tank.
- Water flow meters were audited by Cooper Control.
- Well no.5 motor failed will need to be repaired.
- Myers Control Corporation (MCC) performed software troubleshoot.
- Newport Water Treatment Plant well no.4 chlorine pump rebuild.

Preventive and Corrective

Total # of WO's Completed	Total Hours
143	139

Call & Emergency Responses

Call Outs	Emergencies
11	0

Personnel Hours & Overtime:

Regular Hours	Overtime
1163	71

TERMS

WWTP	WASTEWATER TREATMENT PLANT
WTP	WATER TREATMENT PLANT
WL	WILLIOW 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 DAY
mg/L	MILLIGRAMS PER LITRE
CCTV	CLOSED CIRCUIT TELEVISION
PPM	PART PER MILLION
RAS	RETURN ACTIVATED SLUDGE
WAS	WASTEWATER ACTIVATED SLUDGE