



MONTHLY OPERATIONS REPORT

May 2013

Town of Discovery Bay, CA

1367 Days of Safe Operations

59406 worked hours since last recordable incident

TRAINING: Safety, Operations, & Equipment

Safety	Hours
Preventing Heat Stress and Heat Exhaustion Take 5 Safety Tailgates (7) West Region Safety Council Call Monthly Regional Safety Webinar	4.0
Operation	
Jil Robin provided additional training on Sarbanes-Oxley Act (SOX) and use of P-Cards to Jennifer Bennett, Fermin Garcia, and Joe Haley Hach/WIMS/LabCal Data Entry Training-Training was provided by Jennifer Bennett to Joe Brandon and Mark.	8.0

WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	169.19	5860	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	169.19	
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	5

WASTEWATER SERVICE

Wastewater Laboratory Analysis

<i>WW Effluent Parameter</i>	<i>Permit Limits</i>	<i>April Lab Data</i>	<i>May Lab Data</i>
Flow, MG Effluent, monthly total		37.95	38.65
Flow, MG Daily Discharge Flow, avg.	2.1	1.27	1.288
Effluent BOD ₅ , lbs/d, monthly avg.	350	83	22
Effluent TSS, lbs/d, monthly avg.	525	93	69
Effluent BOD ₅ , mg/L, monthly avg.	20	7.7	2.3
Effluent TSS, mg/L, monthly avg.	30	9	6.9
Total Coli form 7 day Median Max	23	815	2
Total Coli form Daily Maximum	240	1600	13
% Removal BOD ₅ , monthly avg.	85% min.	96	99
% Removal, TSS, monthly avg.	85% min.	95	95
Electrical Conductivity, umhos/cm annual avg.	2100	2114 (YTD)	2135 (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>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>0</u>

# of Active Lift Stations	# of Inactive Lift Stations	Chemical Usage Polymer-gals	SSO	Wastewater Received (MG)
15	0	70	0	42.73

COLLECTION:

- Flushed **0** ft. of sanitary sewer. YTD **0** ft. **0%** completed

- CCTV 0 ft. 0% completed
- Inspected 0 manhole & covers. YTD 0
- Performed weekly lift station inspections.
- De-ragged L/S “F” pumps, cleaned out the wet-well and changed out the wet-well level transducer.
- Replace jetter hose on the Aqua-Tech Vac truck.

MAINTENANCE

Wastewater

- Experienced some problems with Plant no.1 lift station level controller, could not determine the cause.
- Experienced some communication problems with the Export Pump Station PLC, MCC replaced the PLC.
- Performed Thermal Imaging
- Installed the torque arm modification to Belt Press no.2.
- Replaced Fan 10 & Fan 12 in Solar Dryer “B”.
- Replaced the UPS to Influent Pump Station wet-well B.
- Replaced the motor on Magna Rotor Brush no.4 at Plant no.1
- Changed out UV 3000 Plus to UV 3000 and cleaned the channel on May31
- Replaced Plant no.1 Main Utility Feeder breaker

Water

- Newport WTP well no.4 flow meter replaced with new meter.
- Troubleshoot 120 power issues at chlorine PLC panel
- Troubleshoot Newport WTP storage tank level controllers.
- Repaired water leak at Newport WTP filter “A” flow control valve.
- Opened and inspected Newport WTP backwash storage tank.
- Well no.4 had to have the chlorine pump rebuilt

Preventive and Corrective

Total # of WO's Completed	Total Hours
195	165

Call & Emergency Responses

Call Outs	Emergencies
12	Power Failure due to accident

Personnel Hours & Overtime:

Regular Hours	Overtime
1467	79.5

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