



MONTHLY OPERATIONS REPORT

August 2013

Town of Discovery Bay, CA

1463 Days of Safe Operations

63238 worked hours since last recordable incident

TRAINING:

Safety, Operations, & Equipment

Safety	Hours
Monthly Training consists of: Escape Routes and Procedures, Critical Plant Operations, Accounting for All Employees, Rescue and Medical Duties, Reporting, Alarm Systems, and Disaster Recovery. Take 5 Safety Tailgates (5) West Region Safety Council Call Monthly Regional Safety Webinar	5.0
Operations	
Blaise Tetio and Scott Biocic participated a two day training in Hach/WIMS/LabCal Data Entry in Pleasant Hill Scott Biocic participated in a Supervisor Training in Indianapolis	40.0

REPORTS SUBMITTED TO REGULATORY AGENCIES

Monthly Discharge Monitoring Report (DMR) Monthly electronic State Monitoring Report (eSMR) Monthly Coliform Report, California Department of Public Health (CDPH)
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WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	156.00	3950	0

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

2013 Water Production Table (MG) by Month

January	February	March	April	May	June
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51.48	55.88	86.09	99.81	148.77	144.86
July	August	September	October	November	December
162.13	156.00				

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>July Lab Data</i>	<i>Aug Lab Data</i>
Flow, MG Effluent, monthly total		39.51	40.15
Flow, MG Daily Influent Flow, avg.	N/A	1.54	1.50
Flow, MG Daily Discharge Flow, avg.	2.1	1.27	1.29
Effluent BOD ₅ , lbs/d, monthly avg.	350	23	25
Effluent TSS, lbs/d, monthly avg.	525	38	43
Effluent BOD ₅ , mg/L, monthly avg.	20	2.3	2.5
Effluent TSS, mg/L, monthly avg.	30	3.8	4.2
Total Coli form 7 day Median Max	23	3	3
Total Coli form Daily Maximum	240	4.5	3
% Removal BOD ₅ , monthly avg.	85% min.	98.8	98.8
% Removal, TSS, monthly avg.	85% min.	93.8	96.1
Electrical Conductivity, umhos/cm annual avg.	2100	2220 (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>8</u>	<u>0</u>	<u>0</u>	<u>0</u>
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# of Active Lift Stations	# of Inactive Lift Stations	Chemical Usage Polymer-gals	SSO	Wastewater Received (MG)
15	0	132	0	46.58

COLLECTION:

- Flushed **4,242 ft.** of sanitary sewer lines, YTD **4,242 ft. 6.43%** completed
- CCTV **0 ft. 0%** completed
- Inspected **21** manhole & covers. YTD **29**
- Lakeshore Lift Station vacuumed out/ trouble-shoot low level float
- Lift station “S” vacuumed out
- Lift station “F” was de-ragged and had the level transducer replaced
- Performed valve exercising
- Performed weekly lift station inspections.
- Inspected vaulted lift stations.

MAINTENANCE

Wastewater

- Cleaned UV Channel 3000+
- Swapped pump no.5 in the influent pump station
- Pulled new underground wire to RAS pump no.3 at Plant 2
- Replaced the VFD on RAS pump no.3 at Plant 2
- Changed oil in the Magna Rotor Brush’s at Plant no.1
- Replaced the power chord on Chamber “B” Mole
- Performed a special plant accommodation (SPA) to abandon a 14-inch force main from Station W at Plant no.1 that leads to the headworks.
- Vacuumed and cleaned out Plant no.1 headworks and Station “W”
- Plant no.2 Magna Rotor Brush no. 1 had gear box removed to be inspected
- Plant no.2 Magna Rotor Brush no. 4 had a bearing replaced
- Performed preventative maintenance.
- Pressure washed the clarifiers each week for algae removal.

Water

- MCC trouble-shooted Willow WTP PLC
- Trouble-shooted Newport WTP (level control wire was disconnected)

- Well no.2 main breaker tripped several times, PG & E had to come out, found that the insulation on the incoming leg was burned, had to replace the cable.
- Trouble-shooted and replaced Well no.6 control valve.
- Performed preventative maintenance.

Preventive and Corrective

Total # of WO's Completed	Total Hours
168	139

Work Order Back-Log

Aging 8 - 30 Days	Aging > 30 Days
114	26

Call & Emergency Responses

Call Outs	Emergencies
10	0

Personnel Hours & Overtime:

Regular Hours	Overtime
1234	54.00

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