



MONTHLY OPERATIONS REPORT

September 2013

Town of Discovery Bay, CA

1493 Days of Safe Operations

64323 worked hours since last recordable incident

TRAINING:

Safety, Operations, & Equipment

Safety	Hours
Monthly Training consists of: Excavation Trenching and Shoring; Ergonomics Take 5 Safety Tailgates (5) West Region Safety Council Call Monthly Regional Safety Webinar	4.0
Operations	
All of the Operators were trained on the new Belt Filter Press that was placed into service this month All plant personnel participated in a Confined Space Training Refresher	10.0

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	129.93	3718	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
51.48	55.88	86.09	99.81	148.77	144.86



July	August	September	October	November	December
162.13	156.00	129.93			

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>Aug Lab Data</i>	<i>Sept Lab Data</i>
Flow, MG Effluent, monthly total		40.15	39.04
Flow, MG Daily Influent Flow, avg.	N/A	1.50	1.49
Flow, MG Daily Discharge Flow, avg.	2.1	1.29	1.30
Effluent BOD ₅ , lbs/d, monthly avg.	350	25	18
Effluent TSS, lbs/d, monthly avg.	525	43	41
Effluent BOD ₅ , mg/L, monthly avg.	20	2.5	1.8
Effluent TSS, mg/L, monthly avg.	30	4.2	4.0
Total Coli form 7 day Median Max	23	3	7
Total Coli form Daily Maximum	240	3	13
% Removal BOD ₅ , monthly avg.	85% min.	98.8	99.1
% Removal, TSS, monthly avg.	85% min.	96.1	96.8
Electrical Conductivity, umhos/cm annual avg.	2100	2135 (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>

# of Active Lift Stations	# of Inactive Lift Stations	Chemical Usage Polymer-gals	SSO	Wastewater Received (MG)
15	0	75	0	44.64

COLLECTION:

- Flushed **4,068 ft.** of sanitary sewer lines, YTD **8,310 ft. 12.59%** completed
- CCTV **0 ft. 0%** completed (Deadline is May 2014)
- Inspected **8** manhole & covers. YTD **37**
- Lakes Lift Station thermostat replaced
- Lift station "A" had level controller troubleshot
- Lift station "S" troubleshot the level transducer
- Performed valve exercising
- Performed weekly lift station inspections.
- Inspected vaulted lift stations.

MAINTENANCE

Wastewater

- Cleaned UV Channel 3000+
- Troubleshoot Magna Rotor Brush no.4 at Plant no.1, Turbo confirmed the gear-box is ok.
- Changed all the auto Rotor Brush lubers at plant no.1
- Started the new Belt Press No.3
- Troubleshot Digester aerator no.4, replaced bad coil
- Troubleshot wiring issues on Magna Rotor Brush no.1 at Plant no.2
- Plant no.1 Emergency Generator had to have a bad battery charger fuse replaced
- A sampling still well was installed in UV Station for composite sampling
- Troubleshoot Influent Pump no.5, re-seat and is working well
- ARV repairs on Hwy 4, needed to replace one ARV
- Troubleshot Plant no.2 clarifier no.3 collector drive torque problem
- Performed preventative maintenance.
- Pressure washed the clarifiers each week for algae removal.

Water

- Experienced PLC problems with Willow WTP, had to operate facility in manual mode for a few days.
- MCC troubleshooted Willow WTP PLC, had to replace the I/O card.
- Performed preventative maintenance.

Preventive and Corrective

Total # of WO's Completed	Total Hours
287	150

Work Order Back-Log

Aging 8 - 30 Days	Aging > 30 Days
69	8

Call & Emergency Responses

Call Outs	Emergencies
9	0

Personnel Hours & Overtime:

Regular Hours	Overtime
1085	48.00

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