



MONTHLY OPERATIONS REPORT

October 2013

Town of Discovery Bay, CA

1524 Days of Safe Operations

65915 worked hours since last recordable incident

TRAINING:

Safety, Operations, & Equipment

Safety	Hours
Monthly Training consists of: Earthquake safety, Escape routes and procedure for plant Evacuation Take 5 Safety Tailgates (2) West Region Safety Council Call Monthly Regional Safety Webinar	3.0
Operations	
All Operators were trained on Unregulated Contaminant Monitoring Rule 3 (UCMR3) sampling procedures	2.0

REPORTS SUBMITTED TO REGULATORY AGENCIES

Monthly Discharge Monitoring Report (DMR) Monthly electronic State Monitoring Report (eSMR) Quarterly Chronic Toxicity Report Quarterly Groundwater Monitoring Report Monthly Coliform Report, California Department of Public Health (CDPH) Quarterly Chlorine Residual Report, (CDPH)
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WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	117.18	4,350	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	117.18		

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>Sept Lab Data</i>	<i>Oct Lab Data</i>
Flow, MG Effluent, monthly total		39.04	39.85
Flow, MG Daily Influent Flow, avg.	N/A	1.49	1.42
Flow, MG Daily Discharge Flow, avg.	2.1	1.30	1.28
Effluent BOD ₅ , lbs/d, monthly avg.	350	18	12.3
Effluent TSS, lbs/d, monthly avg.	525	41	41
Effluent BOD ₅ , mg/L, monthly avg.	20	1.8	1.2
Effluent TSS, mg/L, monthly avg.	30	4.0	4.0
Total Coli form 7 day Median Max	23	7	13
Total Coli form Daily Maximum	240	13	5
% Removal BOD ₅ , monthly avg.	85% min.	99.1	99.3
% Removal, TSS, monthly avg.	85% min.	96.8	97.3
Electrical Conductivity, umhos/cm annual avg.	2100	2135 (YTD)	2130 (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>10</u>	<u>0</u>	<u>0</u>	<u>0</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	121	0	43.98

COLLECTION:

- Flushed **11,888 ft.** of sanitary sewer lines, YTD **20,198 ft. 30.60%** completed
- CCTV **0 ft. 0%** completed (Deadline is May 2014)
- Inspected **45** manhole & covers. YTD **82**
- Performed pm's on submersible pumps
- Performed valve exercising
- Performed weekly lift station inspections.
- Inspected vaulted lift stations.

MAINTENANCE

Wastewater

- Cleaned out Plant no.2 headworks using Vacuum Truck
- Telstar re-calibrated the Influent and Lift Station Parshall Flume's
- Pulled the gear box on Magna Rotor Brush no. 4 at Plant no.2
- Troubleshooted the Influent Pump Station pump float controls
- Performed preventative maintenance.
- Pressure washed the clarifiers each week for algae removal.

Water

- Began UCMR3 Sampling and Stage 2 Disinfection By-Products Quarterly Sampling
- Performed preventative maintenance.



Preventive and Corrective

Total # of WO's Completed	Total Hours
159	180

Work Order Back-Log

Aging 8 - 30 Days	Aging > 30 Days
62	14

Call & Emergency Responses

Call Outs	Emergencies
8	0

Personnel Hours & Overtime:

Regular Hours	Overtime
1517	27.25

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