



MONTHLY OPERATIONS REPORT

April 2014

Town of Discovery Bay, CA

1705 Days of Safe Operations

74,576 worked hours since last recordable incident

TRAINING:

Safety, Operations, & Equipment

Safety	Hours
Monthly Training consists of: Take 5 Safety Tailgates (18) West Region Safety Council Call Monthly Regional Safety Webinar	3.0
Operations	
All Operators were trained on and certified with the fork-lift	6.0

REPORTS SUBMITTED TO REGULATORY AGENCIES

Monthly Discharge Monitoring Report (DMR) Monthly electronic State Monitoring Report (eSMR) Quarterly Chronic Toxicity Report Quarterly Groundwater Report Monthly Coliform Report, California Department of Public Health (CDPH) Quarterly Chlorine Residual Report Quarterly Stage 2 Disinfection By-Products Report
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WATER SERVICES

# of Active Wells	Water Produced (MG)	Chemical (Hypo) Delivered	Fire Hydrant Flushing
5	92.98	2,595	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
69.3	61.05	68.3	92.98		



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>MAR Lab Data</i>	<i>APRIL Lab Data</i>
Flow, MG Effluent, monthly total		39.12	37.88
Flow, MG Daily Influent Flow, avg.	N/A	1.27	1.46
Flow, MG Daily Discharge Flow, avg.	2.1	1.26	1.44
Effluent BOD ₅ , lbs/d, monthly avg.	350	30.7	20.4
Effluent TSS, lbs/d, monthly avg.	525	38.6	41.0
Effluent BOD ₅ , mg/L, monthly avg.	20	2.7	1.8
Effluent TSS, mg/L, monthly avg.	30	3.4	3.7
Total Coli form 7 day Median Max	23	3	7
Total Coli form Daily Maximum	240	4	8
% Removal BOD ₅ , monthly avg.	85% min.	97.4	97.4
% Removal, TSS, monthly avg.	85% min.	97.9	99.0
Electrical Conductivity, umhos/cm annual avg.	2100	2128 (YTD)	2117 (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>
1	<u>SSO No Discharge</u>	<u>No Discharge</u>	<u>15 gallons</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>
10	0	0	0

# of Active Lift Stations	# of Inactive Lift Stations	Chemical Usage Polymer-gals	SSO	Wastewater Received (MG)
15	0	100	1	37.49

COLLECTION:

- Flushed **23,624 ft.** of sanitary sewer lines, YTD **66,000 ft.** 100.0% completed
- CCTV **43,564 ft.** 100.0% completed (Deadline is May 2014)
- Inspected **35** manhole & covers. YTD **178**
- SSO on April 22 19, 2014 Prescott & Clubhouse.
- Performed valve exercising
- Performed weekly lift station inspections.
- Inspected vaulted lift stations.

MAINTENANCE

Wastewater

- April 14, 2014 Ulridge Mayo came in as Maintenance Supervisor, Berney Sadler remained to train Mayo.
- The new Magna Rotor Brush was placed on line the first week of April.
- Replaced the inner bearing on no.1 rotor brush at plant no.1.
- Pulled the motor on Plant no.1 wasting pump no.2 and sent it out for rewind in January, the motor was installed this month.
- Replaced the air compressor condensate line on the Golf Course Valve Station.
- Collections Technician assisted PIC with grit removal at the Influent Pump Station.
- Plant no.1 Screenings Compactor failed.
- Clarifier scum pump failed and needs to be replaced.
- Began testing diazinon & chloropyrifos as a study for the new NPDES permit.
- Cooper Control performed wastewater calibrations.
- Parkson came out to program one of the moles.
- Updated the Hazardous Materials Business Plan.
- Troubleshooted Station W electrical receptacle lose wire that caused a power failure.
- Switched to UV 3000 to UV 3000+ on April 25, 2014.
- Performed preventative maintenance.
- Pressure washed the clarifiers each week for algae removal.

Water



- Completed the second part of the UCMR3 sampling during this month. These tests will not need to be done again for another 5-years.
- Replaced two sump pumps at Newport WTP.
- Replaced a chlorine pump at Newport WTP.
- Replaced some of the pneumatic valves at the Willow WTP.
- Replaced some petcock valves water sample station.
- Testar troubleshooted a lose wire in the PLC.
- Completed the Consumer Confidence Report.
- Days Generator performed the annual servicing.
- Performed preventative maintenance.

Preventive and Corrective

Total # of WO's Completed	Total Hours
249	66

Work Order Back-Log

Aging 8 - 30 Days	Aging > 30 Days
38	67

Call & Emergency Responses

Call Outs	Emergencies
4	1

Personnel Hours & Overtime:

Regular Hours	Overtime
1681	42.00

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
SSO	SANITARY SEWER OVERFLOW
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