

# Lafayette Water Works Plant

Water Our Most Precious Resource

OCTOBER 2012

## Operations

### **Canal**

- Cleaned Operations and Lab Foreman's desk area after return from medical leave
- Assisted maintenance with pressure sensor for water level in the brine tank
- Worked on green sand filter problem

### **Glick Station**

- Picked up salt for softener
- Repaired expansion joint around the building
- Cleaned ORA-CLE check valves
- Repaired Fluoride skid leak
- Assisted maintenance with reprogramming Glick 5 well computer chip set

### **CPHSS**

- Dusted off pumps, motors and piping
- Worked on phone line problems
- Meeting with IT department and the two phone companies about phone line problems

### **Elevated Towers**

- Repaired expansion joint around the tower base
- Worked on Cl2 analyzer problem with manufacturer
- Removed analyzer control head to send in for repair

## **MISC.**

- Assisted Customer Service department with turn-offs and meter change out program
- Assisted maintenance with Town of Dayton's bypass pressure valve problem
- Organized paperwork and projects after returning from medical leave
- Set up next meeting on SCADA design
- Made contact with reservoir cleaning company after cleaning the reservoir
- Meeting with chemical feed chemical company
- Service call at the YMCA
- Service call at 936 North Commands Ln.
- Updated Daily Field Sheets
- Updated Well Pump Matrix and Timer Set Point Sheet
- Update training in the collection of Distribution Bacteria sampling
- Updated job descriptions for the Operators, the Lab Tech and the Operations Foreman

**A**fter hours and weekend service request calls that are handled by our System Operators and On-Call personal totaled 140 this month.

**A**verage pumping: 9.0mgd

**M**aximum Pumping: 9.9mgd

**M**inimum Pumping: 8.1mgd

## Lab

- Monthly NPDES Report
- Monthly Cl2 Report
- Monthly MRO Report
- Monthly Total Coliform Report
- Collected and tested 60 distribution bacteria samples for TCR Report
- Collected 4 and tested distribution Fluoride split samples for State NaF Report
- Collected samples for air stripper influent and effluent and C7 and C8
- Change pH Probe solution and buffers for probe calibration for pH meter
- Filled NaF test vials for Canal and Glick
- Collected 43 VOC's samples at Glick Well Field for WHP
- Help give the Purdue tour on two days
- Worked on peristaltic pump problem

## Maintenance

### **Canal**

- Repaired C2 air relief valve
- Disassembled, cleaned and tested C3 & C4 drain-back valves
- Winterized brine tank
- Repaired Garage air compressor
- Winterizing all wells
- Trouble shoot C6 pump fail, problem with VFD interface

### **Glick Station**

- Winterizing all wells
- Filled in sink hole at G5

### **CPHSS**

- Manually closed actuated windows
- Rebuilt bearing assembly on boiler system
- Tested and repaired phone lines

### **Elevated Towers**

- Monthly inspections completed

### **MISC.**

- Assisted CSFT's with disconnects and meter change out program
- Bi-Weekly inspections, ran Gen-Sets
- Worked on blowing out irrigation system throughout the City of Lafayette
- General cleaning
- Repaired Dayton's PR valve
- Cleaned, organized and fueled maintenance trucks

## Construction

- ◇ Fall Hydrant Flushing Program initiated and completed
- ◇ Installed 24 new services
- ◇ 3 broken main repairs
- ◇ Updated 3 services and made 1 repair
- ◇ Raised 1 meter pit
- ◇ Repaired 13 hydrants, replaced 1 and greased 17
- ◇ Made 7 valve box repairs and removed 1
- ◇ Performed 2 side taps and 2 taps
- ◇ Made a line repair at 3<sup>rd</sup> and Cincinnati due to contractor hitting
- ◇ Ran off and/or verified work orders
- ◇ Saw Cut Holes, concrete work and dirt work
- ◇ Cleaned and organized trucks and trailers
- ◇ Performed needed maintenance on vehicles and equipment
- ◇ Total Locates performed 803, 30 were emergency call requests and 3 were Contractor assistance and 2 service runs
- ◇ Our Water Facility Inspector performed 1 hydrostatic test and 4 Bac-T tests and conducted 2 walk thru inspections, verified street cuts and sidewalk inspections also attended a Pre-Construction meeting the roundabouts at S 18<sup>th</sup> and Old Romney Road
- ◇ Backflow Technician logged 201 tests results, received 73 inspections and sent 22 letters of compliance

## Customer Service

CSFT responded the following requests/services:

- ◇ 13 Discolored water call
- ◇ Changed 605 meters
- ◇ Tested 20 meters
- ◇ 1 pit raised
- ◇ Service applications 306
- ◇ Account finals 248
- ◇ Turn-off for non-payments 363
- ◇ Check meter readings 101
- ◇ Completed work orders 179
- ◇ Blue tags for return service 66
- ◇ Zero Consumption Runs 56
- ◇ UBO radioed 452 requests to CSFT's
- ◇ 605 MIU Radio Readers installed
- ◇ 26 MXU's installed
- ◇ Our 3 Service Techs drove an average of 185 miles per day this month