



Water Use

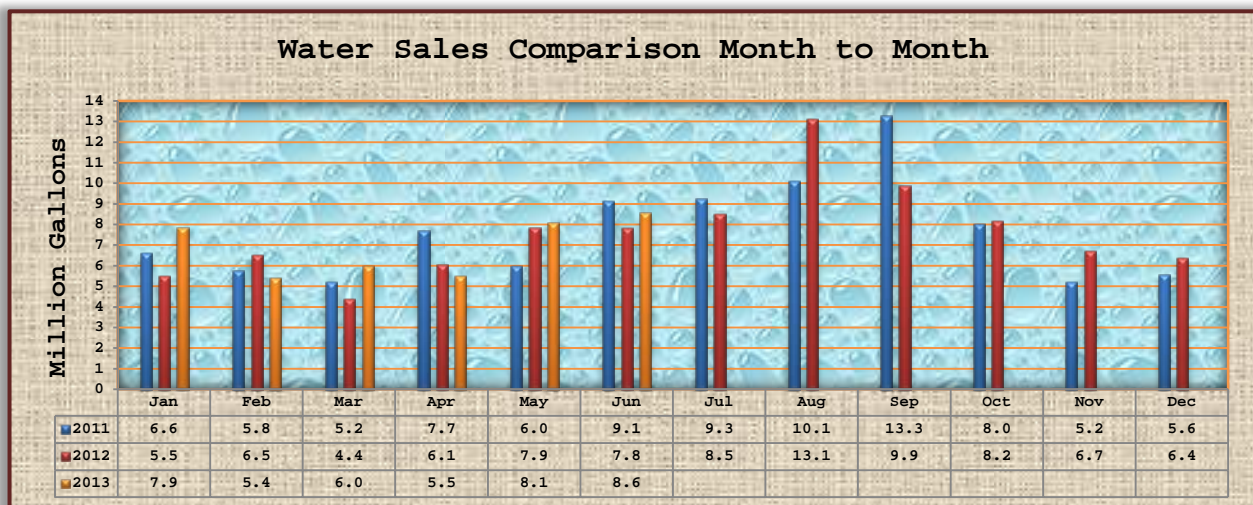
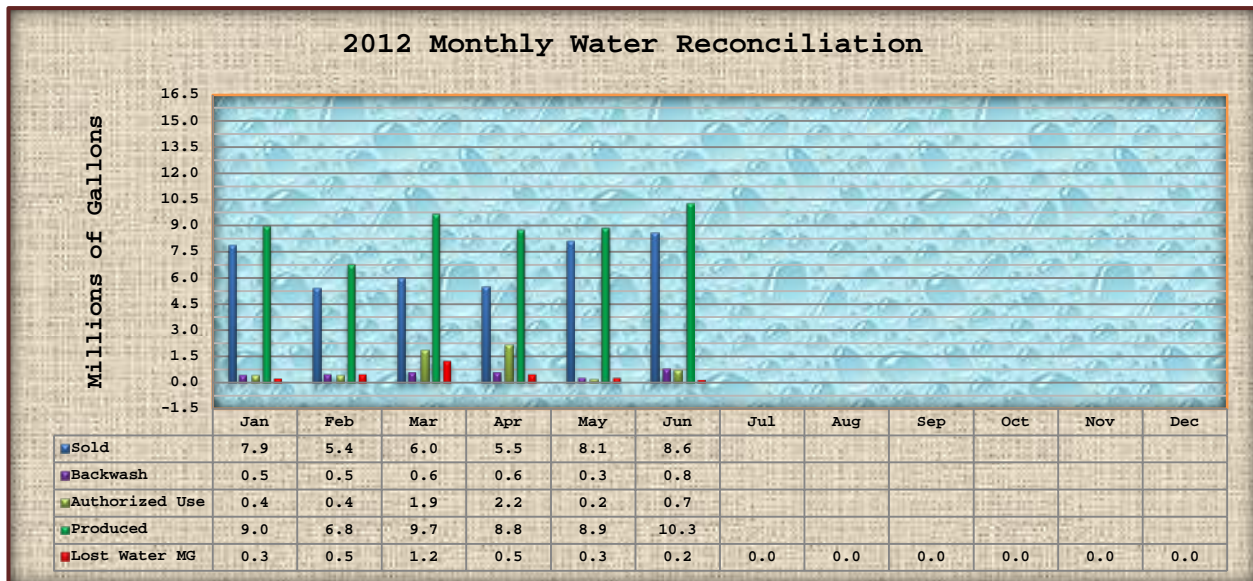
Water pumped from all wells: **10.3** million gallons

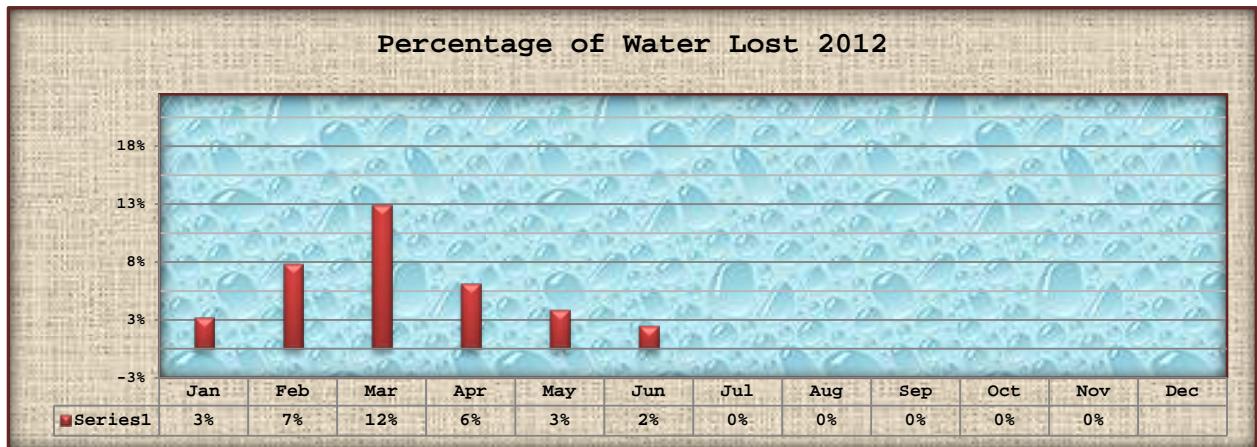
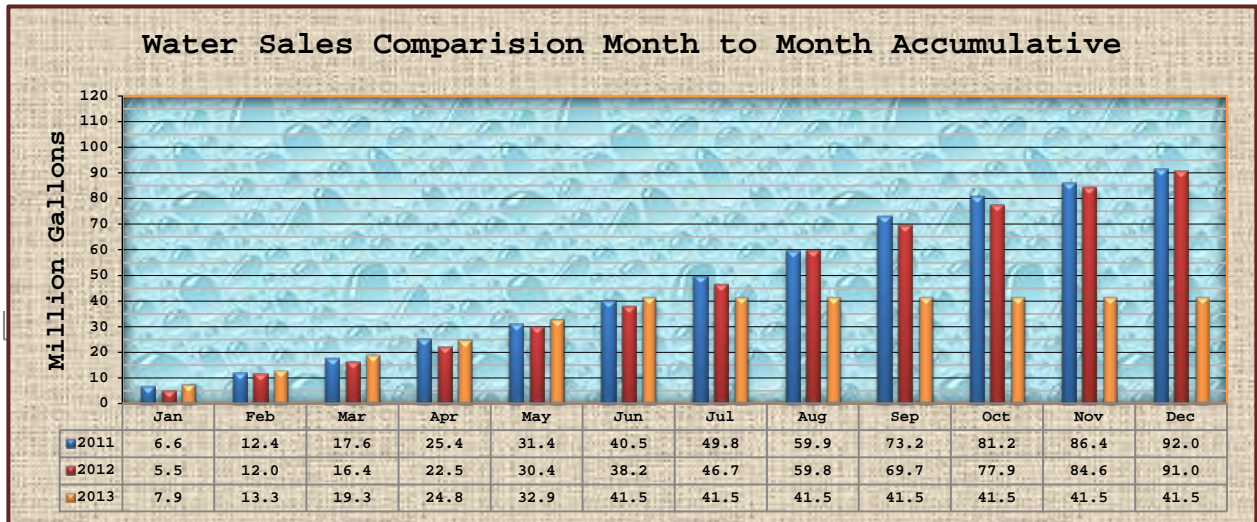
Water used by the District: **0.7** million gallons

Water used to backwash filters: **0.8** million gallons

Water sold: **8.6** million gallons

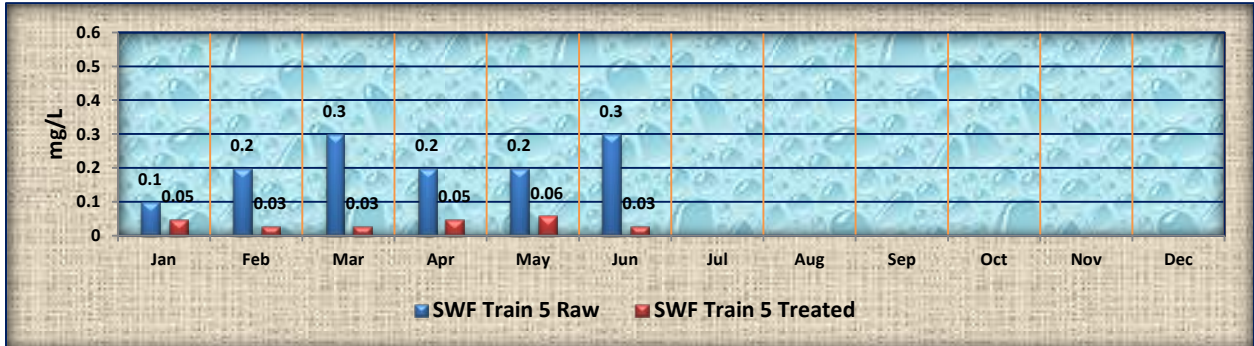
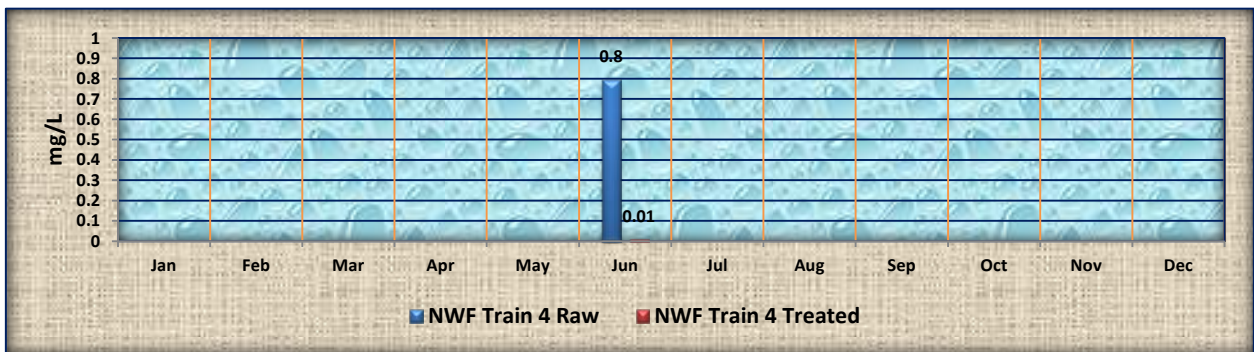
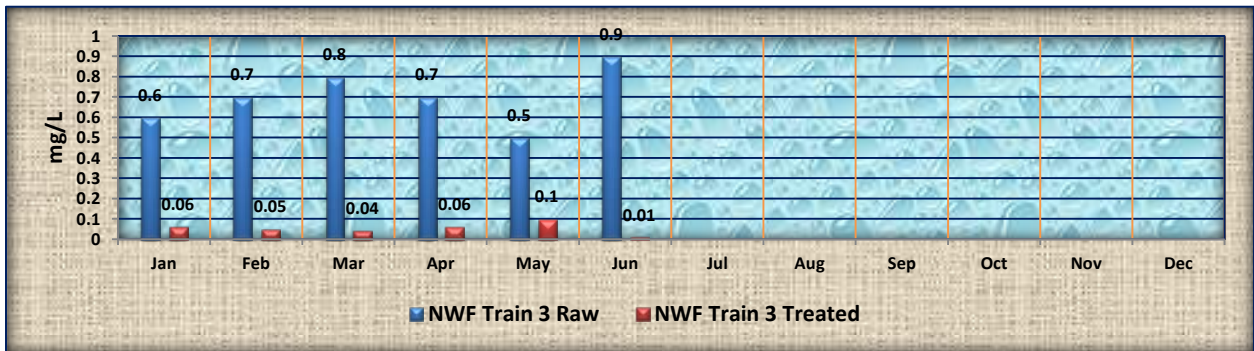
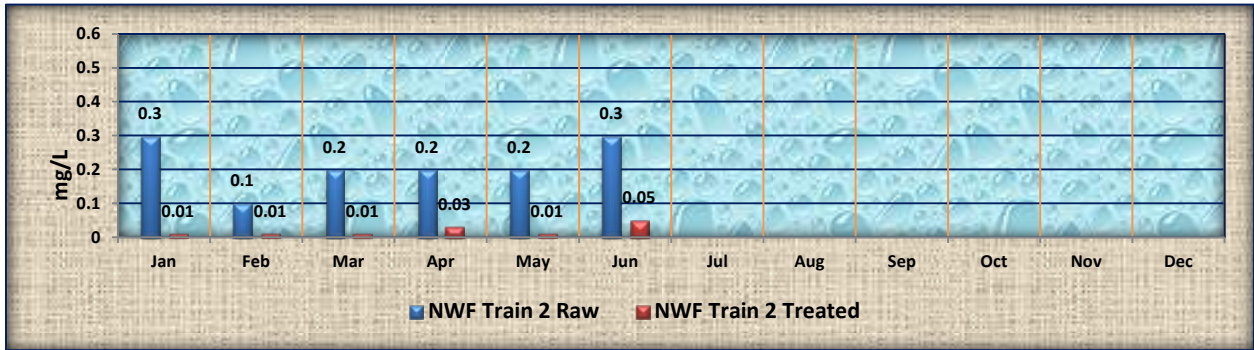
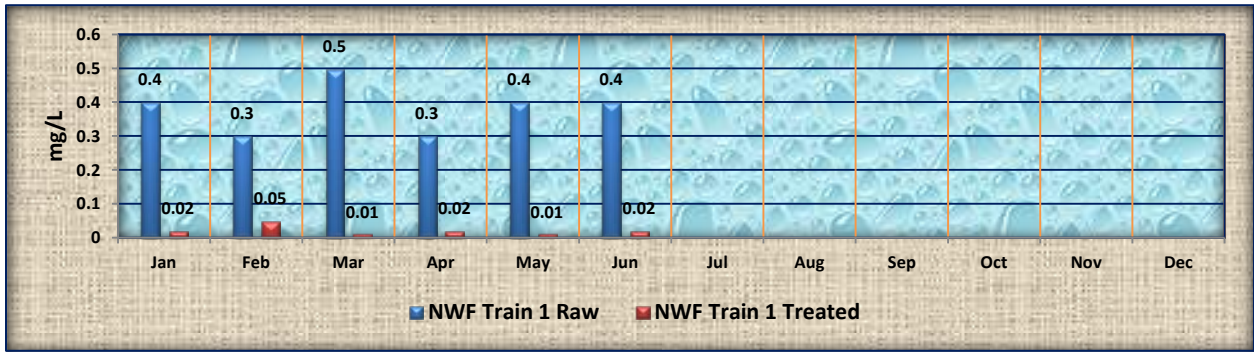
Water lost to leaks: **0.2** million gallons



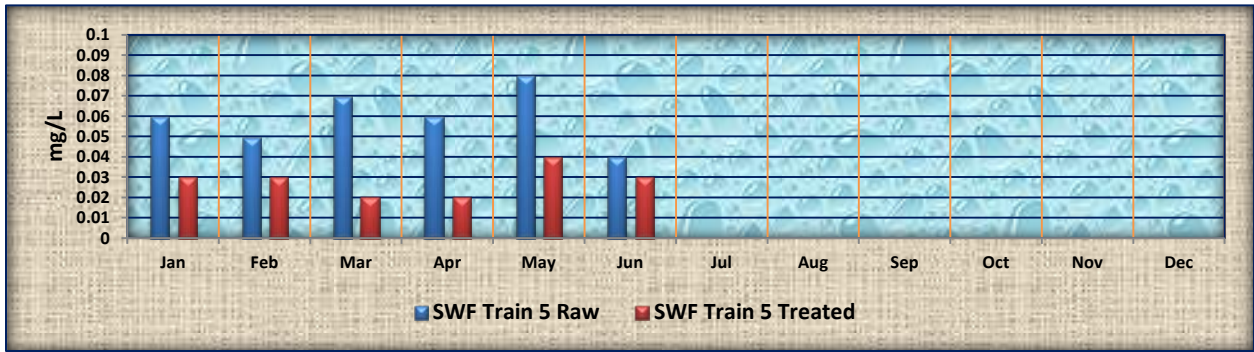
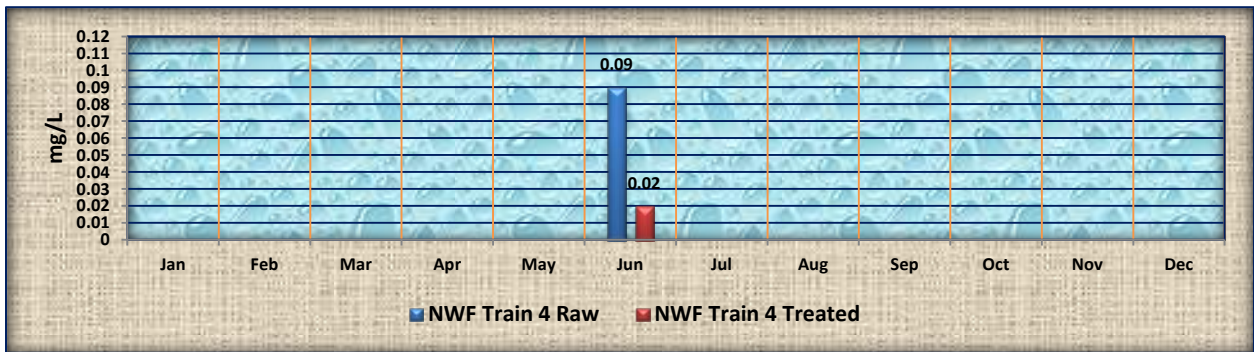
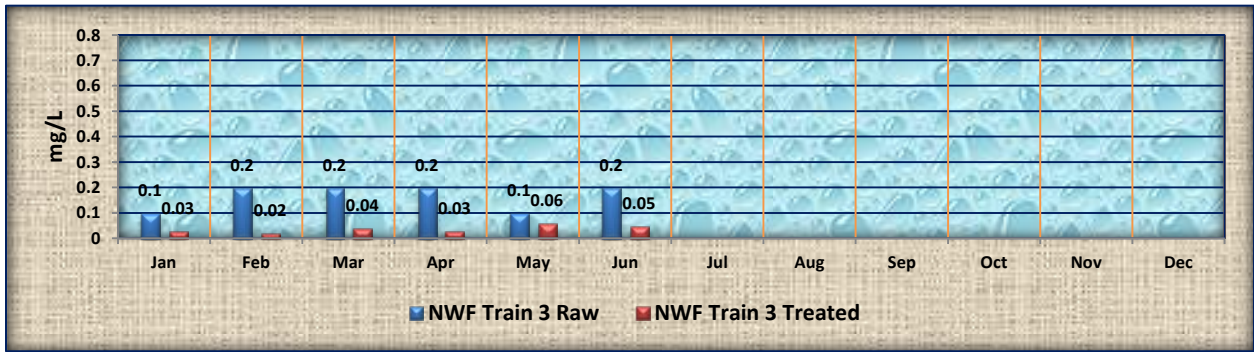
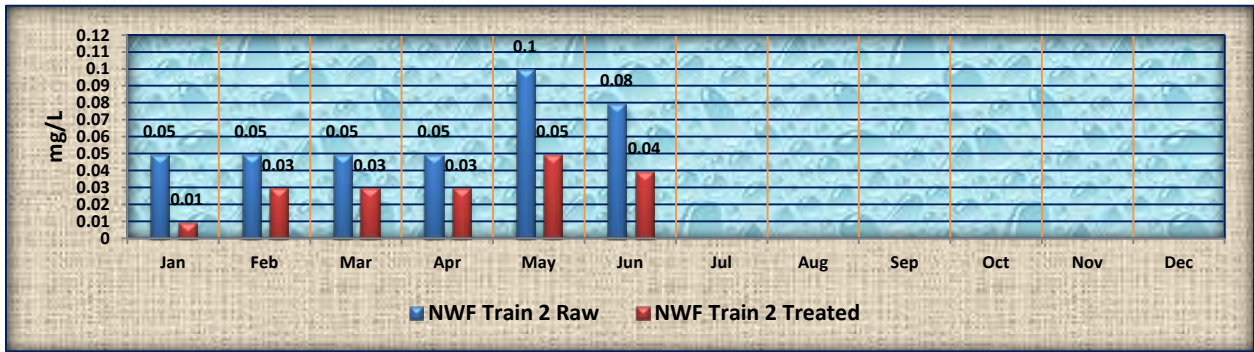
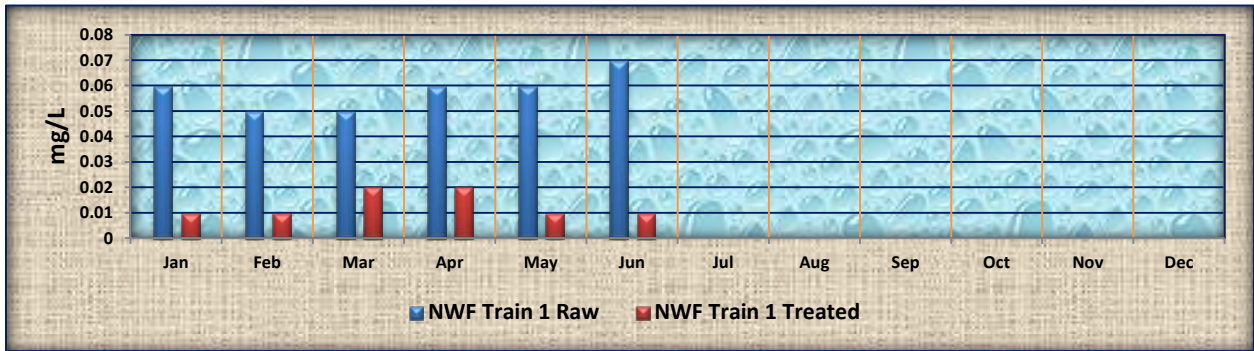


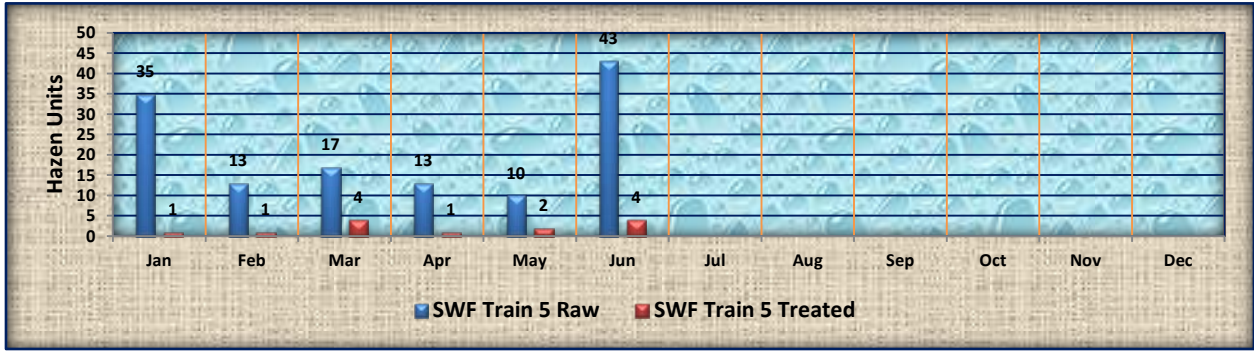
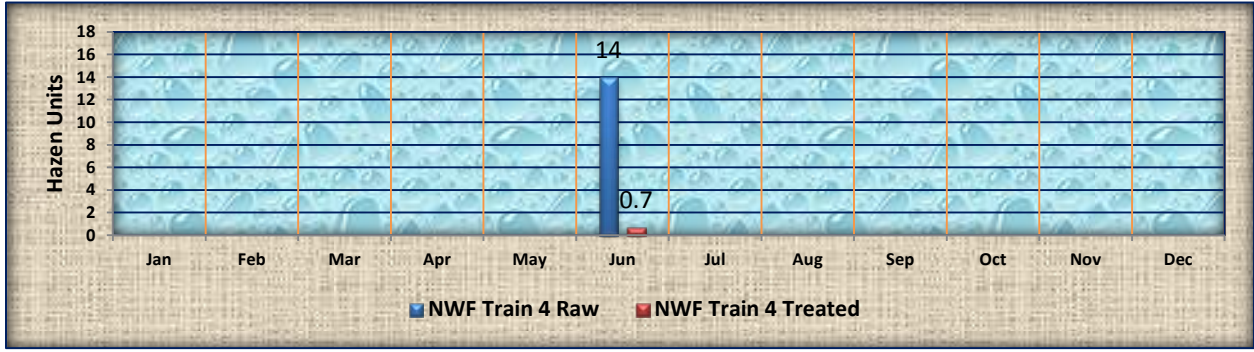
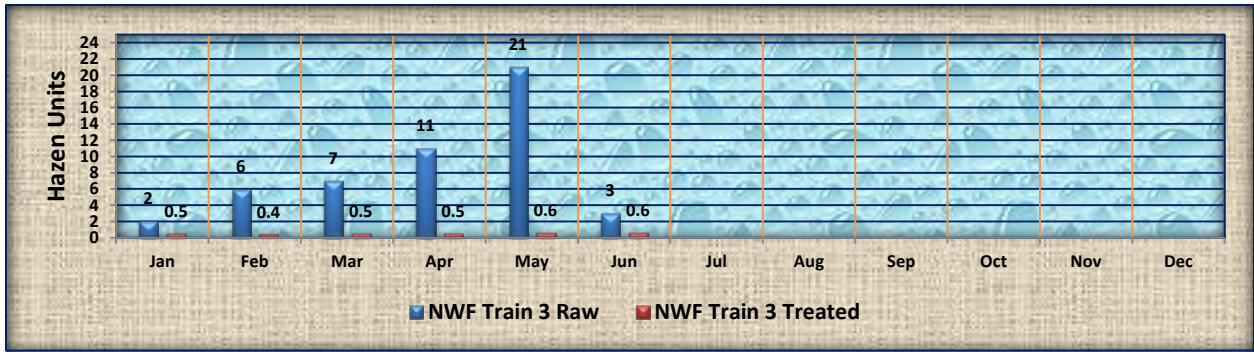
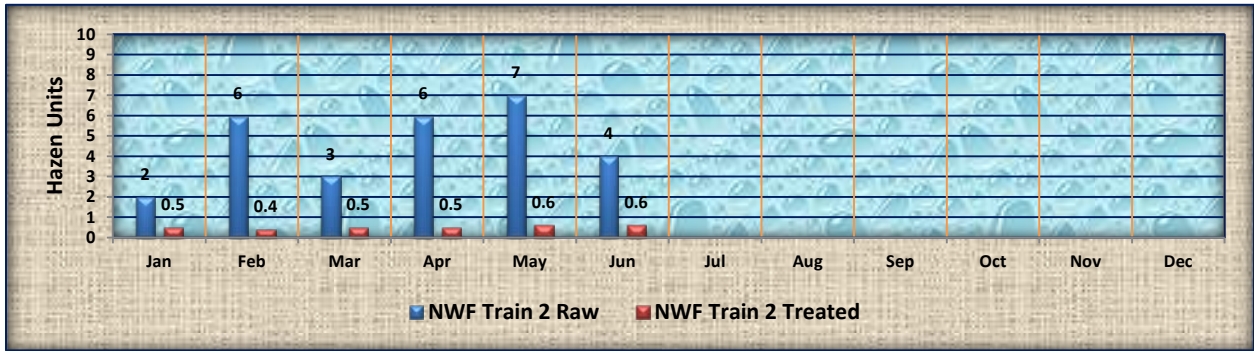
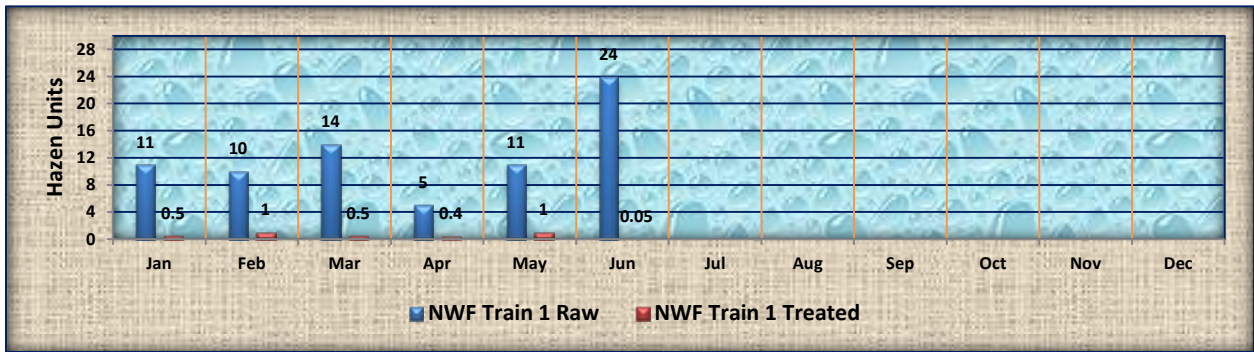
Water Quality Report:

We tests water samples weekly. Three of the tests we do weekly indicate how well our water treatment plant is operating. The treatment system is designed to reduce iron, manganese, and color. The treatment plant also reduces arsenic but we do not test for this contaminant in-house. Testing for arsenic requires sophisticated analytical equipment and training our staff does not have. The DOH requires we test for arsenic once every three years (we test more frequently). Test results for arsenic are consistently below the MCL. Excessive iron, manganese, and color can lead to low water quality in the distribution system that will result in increased water quality complaints. Below I have included charts that will show the average raw water and treated water for iron, manganese, and color.

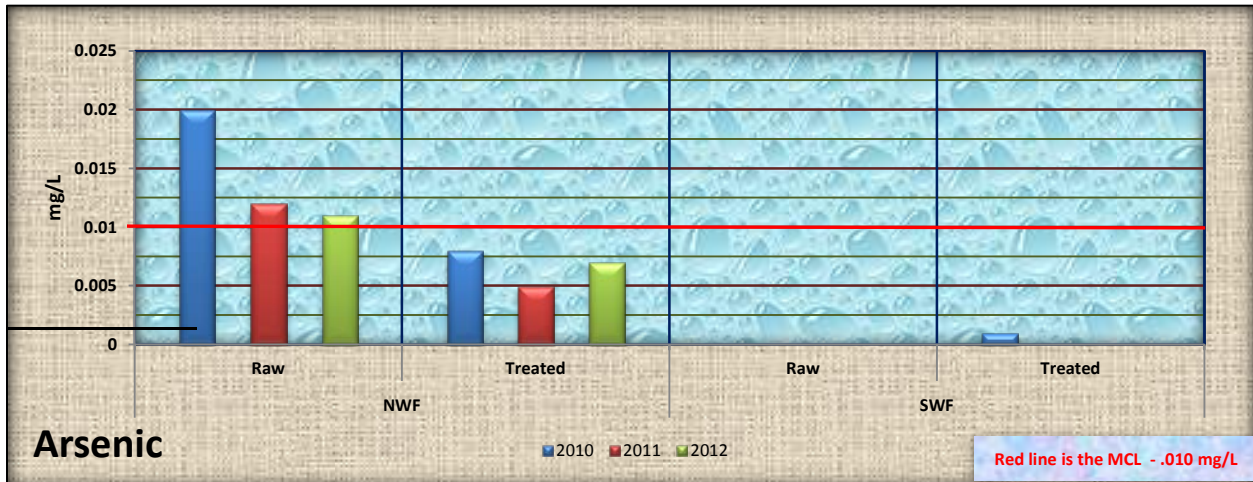


Iron





Color



Distribution System:

Water Quality:

North Beach Water District collected and submitted five (5) compliance coliform bacteria water samples in June, 2013. All water samples tested negative for coliform bacteria presence. The District received 1 water quality calls in June, 2013.

Old Business:

BIAS Software Implementation

Implantation is complete. There are a few minor process that need to be modified but we are now using Bias on a day to day basis. We still have RVS loaded on the computers for the time being.

Wiegardt Property Purchase:

Nothing new to report.

DWSRF Loans:

Nothing new to report

Safety Meeting Minutes:

North Beach Water District staff had their monthly Safety meeting on the first Monday of the month.

Surfside Water System:

Please see attached report.

End of Report



SURFSIDE HOMEOWNERS ASSOCIATION

WATER SYSTEM REPORT

JULY 2013

Report on Water System Activities for June 2013

Water Production June 2013:

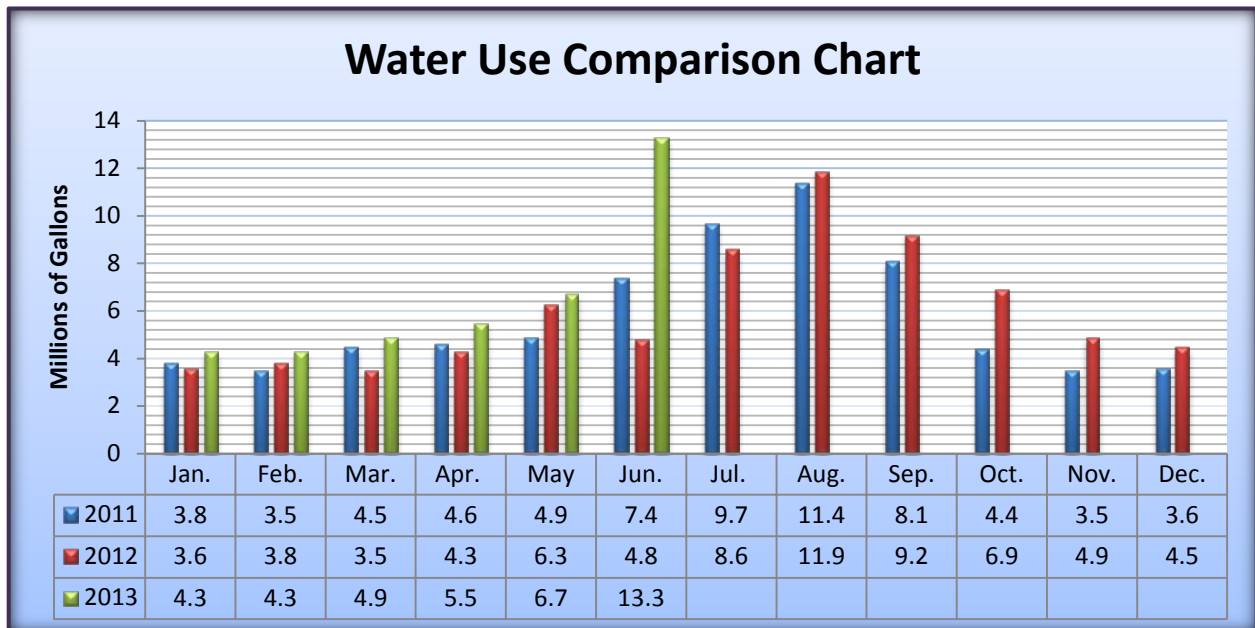
Pumped 14.2 million gallons from wells

Treated 13.3 million gallons

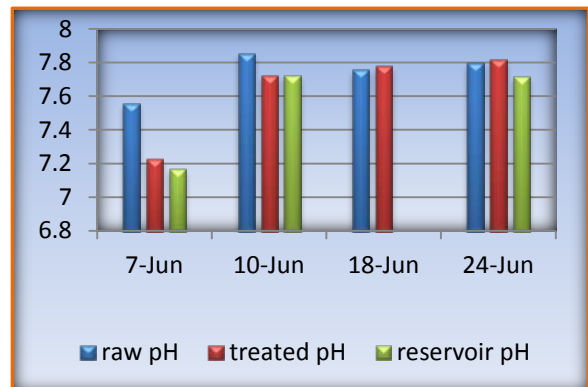
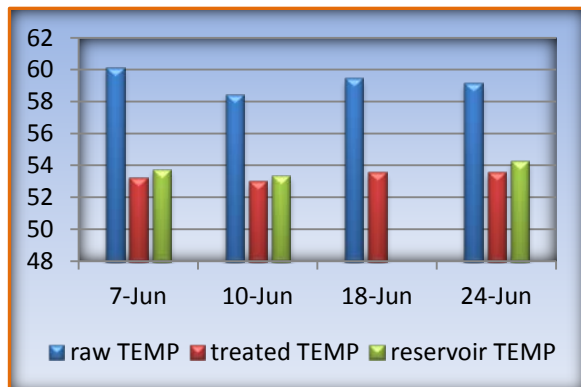
Used 1.1 million gallons backwashing filter and flushing water mains

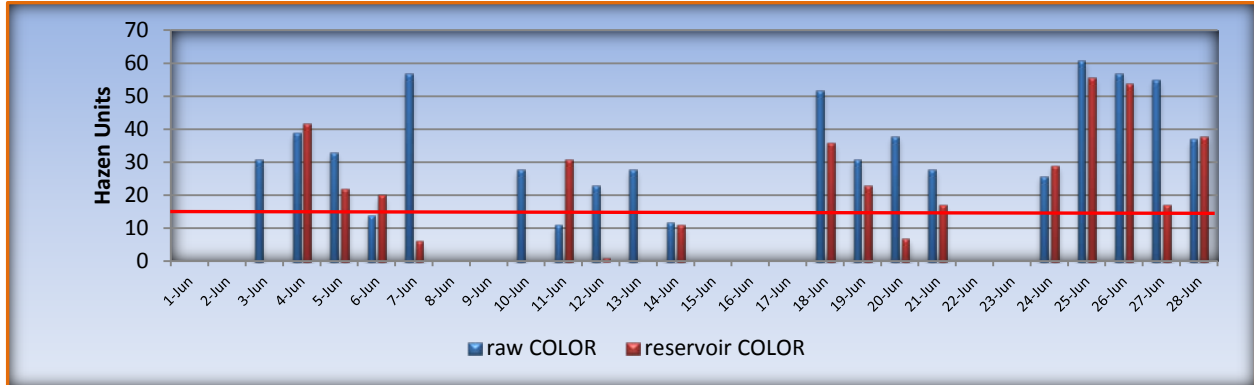
Pumped 13.3 million gallons into the distribution system

All DOH mandated water samples for June were submitted for analysis and tested negative for contaminants.

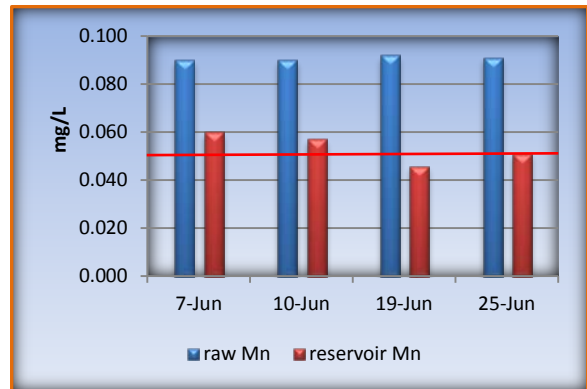
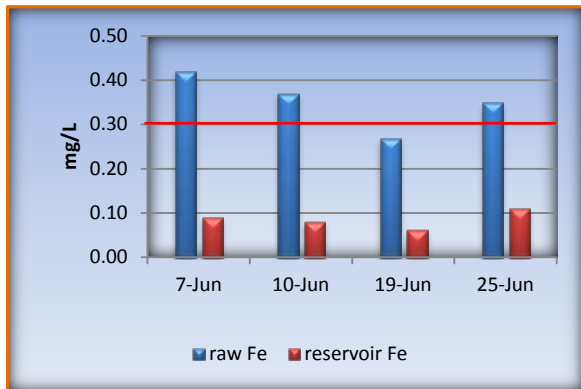


Water Quality For June:



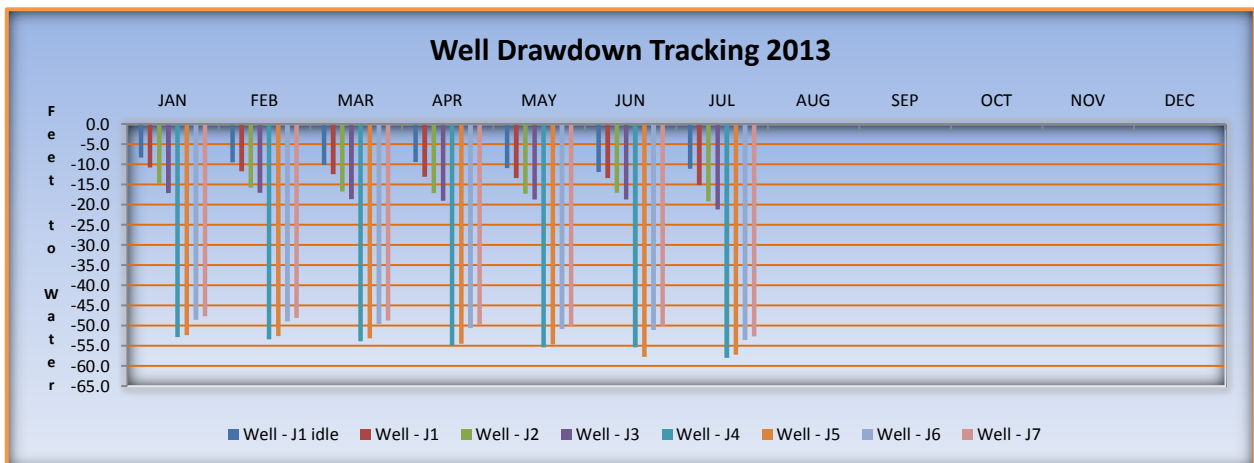


The color of the raw (well) water is regularly above the Washington State Department of Health recommended level of 15hu (Hazen Units). The 15hu level is for aesthetic purposes only. Color in water does not pose a health concern. The EPA has not set an MCL for Color.



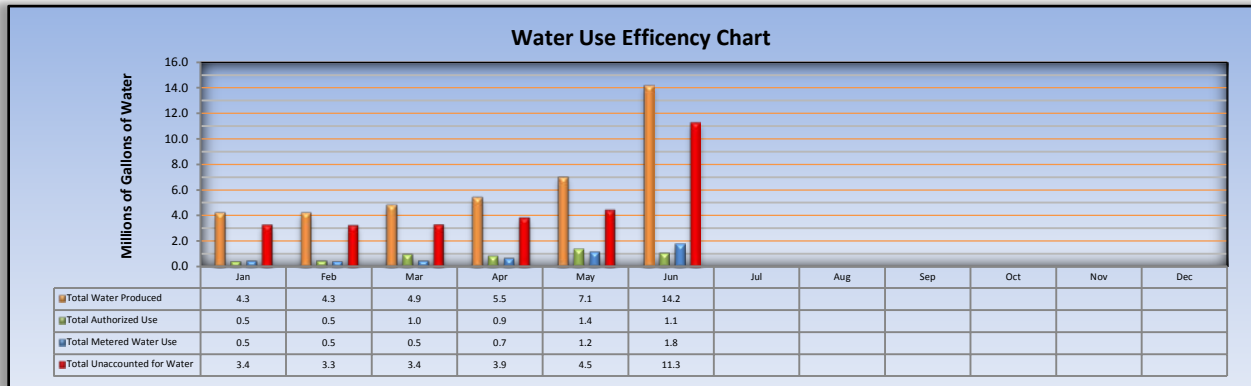
The red line in the charts represents the Secondary Maximum Contaminant Level (SMCL), as set by the Environmental Protection Agency (EPA), for iron (Fe) and manganese (Mn). The filters are removing a large percentage of the iron in the raw water and lowering the iron levels to well below the SMCL. **The potassium permanganate feed pump failed in June. As the pump began to fail the chemical dose was not consistent for a few weeks. As a result the manganese residuals were elevated during June. A new feed pump has been ordered and will be installed in July.**

Water Wells:



We track the water levels in the wells during pumping and when wells are idle. J-1 Idle tells us what the static water level is at rest. We then measure the drawdown of all the wells during pumping cycles. We measure from the top of the casing down to the top of the water on each well. We monitor the wells closely so that we can address any reduced yield before it becomes a major problem.

Water Use Efficiency:

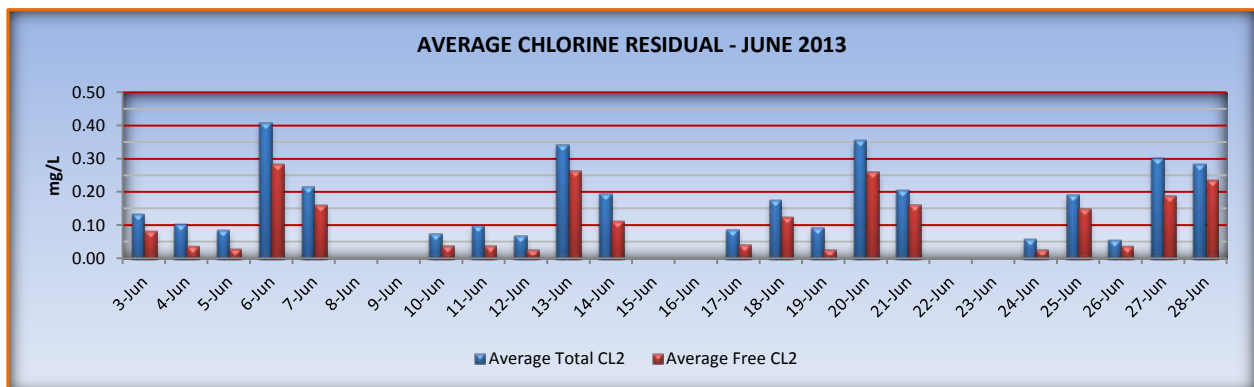


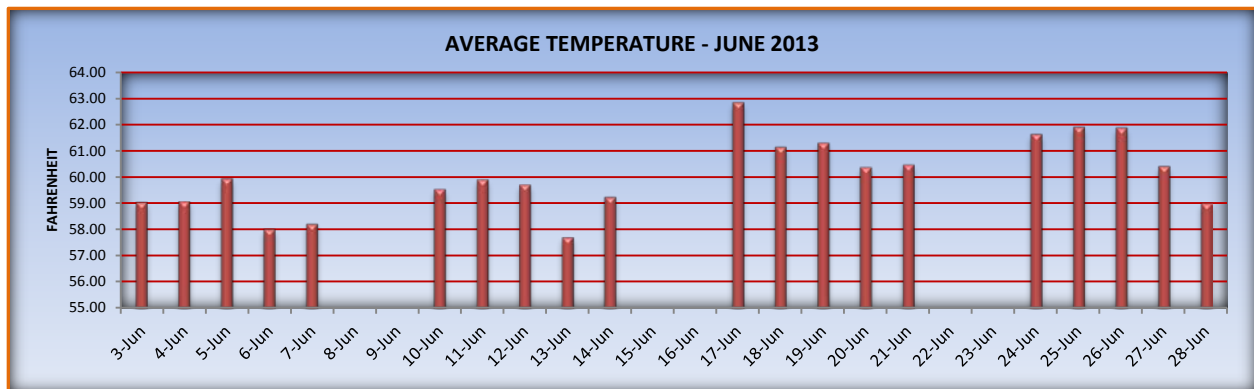
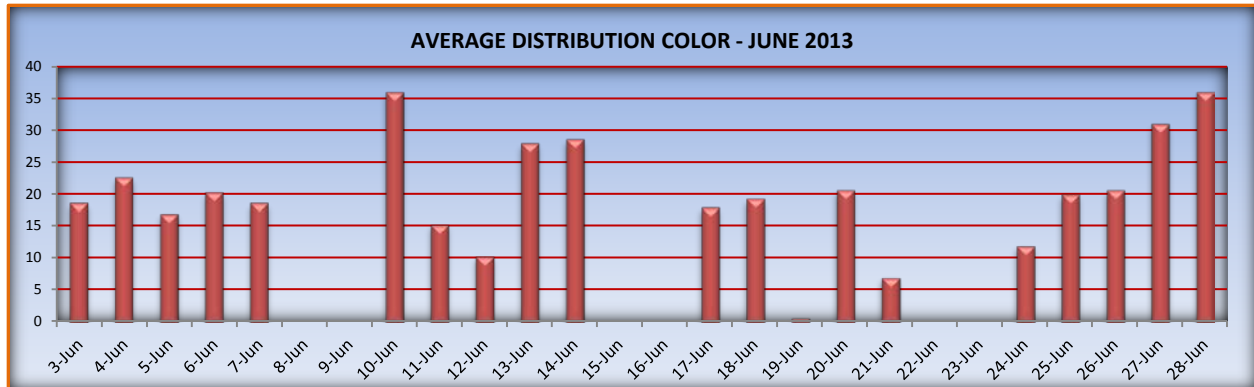
The Total Water Produced is the amount of water pumped from the wells each month. The Authorized Use includes water used to backwash the filters, water used to flush mains, and other uses for maintaining the water system. The Total Metered Water Use is the amount of water that is recorded by our new meters. June's reading included 490 residential service meters and 6 commercial meters.

Water Quality in Distribution:

The Water Department regularly tests the water in the distribution system for quality purposes. Chlorine (Cl₂) disinfection effectivity is best when the water is neutral (pH of 7.2). As water becomes more acidic (lower pH) or alkaline (higher pH) more chlorine will be needed to achieve the same chlorine disinfection effectivity.

The chlorine (Cl₂) residual is being maintained at a low level (±.1 mg/L). We continue to adjust the Cl₂ feed rate to maintain the minimum effective free chlorine residual in the distribution system.





Operations and Maintenance -

In June:

New Services:

The Water Department did not install any new services in June.

Water quality complaints:

The Water Department responded to two water color complaints in June.

Requests for water main locates:

The Water Department responded to eight requests for water main locates in June.

J-Well Field Improvements -

A Surfside volunteer is working on the J-Well field Kiosks. They should be completed by the end of August.

Water Main Replacement (WMR) -

No WMR work was completed in June the WMR project for 2013 will be completed in the fall.

Meter Installation Project -

We begin the MIP for 2013 in June. 92 meters were installed in June. The meters were installed on 338th Place, 336th Place G Place and G Street from 338th Place to 325th Place.

Maintenance Bldg. Feasibility Study -

The wetland delineation was completed in June. The wetland delineation was delivered to Skillings and Connolly. Skillings and Connolly should complete the Maintenance Building Feasibility Study in July.

Reserve Study - Jason Wong with Schwindt & Company completed a second "DRAFT" reserve study with revisions. The second draft will be considered at the July 11, 2013 Water Planning Committee meeting.

End of Report

JUNE

WORK ORDER REPORT

WMR
 Labor Hrs
 Ft. Installed

JWP
 Labor Hrs

NEW SERVICES
 Labor Hrs
 # of New Services

M&O
 Labor Hrs

MIP
 Labor Hrs*
 # of Setters**
 # of Meters

SERVICE CALLS
 Labor Hrs
 # of Service Calls

*MIP labor hours are calculated from time cards

**During the months of March - May 34 setters were installed during WMR w/o meters

| MAIN BREAKS | #1 | #2 | #3 | #4 | #5 |
|------------------|---|---|---|---|---|
| Cost in Material | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> |
| Labor Hrs | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> |
| Date | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> |
| Time of Break | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> |
| Repair Time | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> | <input style="width: 60px; height: 20px;" type="text"/> |

LOCATES
 # of Locates

| WATER MAIN REPLACEMENT | | | | |
|------------------------|------|-----------|------|--------|
| Project No. | Date | Labor Hrs | Ft. | REPORT |
| | | | | |
| Total | | 0.00 | 0.00 | |

JUNE

WORK ORDER REPORT

| MAINTENANCE & OPERATION | | | |
|-------------------------|--------|-----------|---|
| Project no. | Date | Labor Hrs | REPORT |
| MO-103 | 6-Jun | 6.00 | OFF LOAD MATERIALS, JAKC'S, TAFT PLUMBING |
| MO-104 | 7-Jun | 24.00 | INSURANCE MEETING, DUMP TRUCK REPAIR, SERVICE HOOK UP, MISC |
| MO-105 | 10-Jun | 20.50 | DUMP TRUCK REPAIR, CLEAN UP & RESTORATION, MISC |
| MO-106 | 11-Jun | 24.00 | 2 LOCATES, CLEAN UP, MISC REPAIRS, PARTS |
| MO-107 | 13-Jun | 4.50 | SURVEY GOOSE FENCES |
| MO-108 | 14-Jun | 6.00 | BRUSH CLEAN UP, LOCATE, TAFT PLUMBING, JACK'S |
| MO-109 | 21-Jun | 4.00 | CLEAN UP & RESTORATION |
| Total | | 89.00 | |

| J WELL FIELD PROJECT | | | |
|----------------------|------|-----------|--------|
| Project no. | Date | Labor Hrs | REPORT |
| Total | | 0.00 | |

| NEW SERVICE | | | |
|-------------|------|-----------|--------|
| Project no. | Date | Labor Hrs | REPORT |
| Total | | 0.00 | |

| SERVICE CALLS | | | |
|---------------|--------|-----------|---|
| Project no. | Date | Labor Hrs | REPORT |
| | 10-Jun | 2.00 | 06-02-16 Hot tub and water color complaint - flushed & tested water |
| | 11-Jun | 0.50 | 06-02-16 Troubleshooting w/ member |
| | 13-Jun | 1.00 | 06-02-16 Member found an alternate method to treat hot tub |
| | 14-Jun | 0.50 | 16-05-11 Color complaint |
| Total | | 4.00 | |

| MAIN BREAK | | | |
|-------------|------|-----------|--------|
| Project no. | Date | Labor Hrs | REPORT |
| Total | | 0.00 | |

2013 WORK ORDER REPORT

| YEAR-TO-DATE | | | | | | | | | | | | | |
|----------------------|-----|------|--------|--------|--------|-------|-----|-----|------|-----|-----|-----|---------|
| | JAN | FEB | MAR | APR | MAY | JUNE | JUL | AUG | SEPT | OCT | NOV | DEC | TOTAL |
| WMR | | | | | | | | | | | | | |
| Cost in Material | | | | | | | | | | | | | 0.00 |
| Labor Hrs. | | | 416.00 | 560.50 | 118.50 | | | | | | | | 1095.00 |
| Ft. Installed | 0 | 1160 | 1140 | 1300 | 0 | | | | | | | | 3600 |
| M&O | | | | | | | | | | | | | |
| Cost in Material | | | | | | | | | | | | | 0.00 |
| Labor Hrs. | | | 227.00 | 183.50 | 374.00 | 89.00 | | | | | | | 873.50 |
| JWP | | | | | | | | | | | | | |
| Cost in Material | | | | | | | | | | | | | 0.00 |
| Labor Hrs. | | | | | | | | | | | | | 0.00 |
| MIP | | | | | | | | | | | | | |
| Labor Hrs. | | | | | | 366.5 | | | | | | | 366.50 |
| # of Setter Install | | | | | | 92 | | | | | | | 92.00 |
| # of Meter Install | | | | | | 92 | | | | | | | 92.00 |
| NEW SERVICES | | | | | | | | | | | | | |
| Cost in Material | | | | | | | | | | | | | 0.00 |
| Labor Hrs. | | | | | 6.00 | | | | | | | | 6.00 |
| # of New Services | 1 | 1 | | | 3 | | | | | | | | 5 |
| MAIN BREAKS | | | | | | | | | | | | | |
| Cost in Material | | | | | | | | | | | | | 0.00 |
| Labor Hrs. | | | | 24.00 | 9.00 | | | | | | | | 33.00 |
| Repair Time (hrs) | | | | 8.0 | 3.0 | | | | | | | | 11.00 |
| # of Breaks | | | | 1 | 1 | | | | | | | | 2 |
| LOCATES | | | | | | | | | | | | | |
| # of Locates | 11 | 8 | 4 | 13 | 7 | 8 | | | | | | | 51 |
| SERVICE CALLS | | | | | | | | | | | | | |
| # of Service Calls | 0 | 1 | 1 | 2 | 0 | 4 | | | | | | | 8 |