

## MONTHLY STAFF REPORT

<b>DATE:</b>	May 3, 2010
<b>TO:</b>	Rocky Mount Town Council
<b>FROM:</b>	Bob Deitrich, Superintendent
<b>DEPARTMENT:</b>	Water Department
<b>MONTH:</b>	April 2010

### **Operation and Production Summary:**

The plant continues to be staffed for 12 hours on week days and 10 hours on weekends. Actual water production time (filtering of water) averaged 10.5 hours per day based on water demand. On 18 days out of the month we produced water for the full shift to meet demand and to catch up after routine plant maintenance.

Water production averaged 0.85 MGD for the entire month.

Total Raw Water Pumped:	26.7 million gallons
Total Drinking Water Produced:	25.6 million gallons
Average Daily Production:	0.85 million gallons per day
Ave Percent of Production Capacity:	43%
Flushing Mains/Tanks by Water Dept:	19,000 gallons – Beverly Hills 500,000 – cleaned plant settling basins
Plant Process Water, Gallons Used:	578,000 gallons
Bulk Water Sold:	26,975

### **Operational Issues:**

- All routine monthly bacteriological samples were negative (no bacteria detected).
- Preliminary disinfection byproducts samples look to be well within limits.
- We switched over to a new brand of coagulant on April 27<sup>th</sup> and saved \$2500. The new product is working well.
- Regarding staffing, we covered 17 different days over April where one or more staff was off for training, holiday, vacation or military leave without paying any overtime. Our current staff allows us great flexibility to assure that the required number of staff is always available.

### **Repairs/Maintenance/Leaks:**

- Flushed Beverly Hills area in preparation for quarterly disinfection byproducts monitoring.
- Operators drained and cleaned the plant settling basins (routine cleaning).
- During the basin clean out operators repaired a drain valve, two sludge scrapers and cleaned the surfaces on 16 isolation valves.

- Two of our granular chemical feeders needed repair. We cannibalized a spare feeder for parts and handled the work in house.
- Raw pump motor #1 has been repaired and reinstalled.

#### **Repairs/Maintenance/Leaks (cont):**

- Operators rebuilt the plumbing array on two of the finished water pump control valves. The array contains multiple solenoid valves, gate valves, tees and elbows. Failing check valves were causing water to leak back into the plant from the distribution system after hours.
- Operators have begun painting the plants exterior doors.

#### **Miscellaneous:**

- A number of cross connection program surveys have been returned and processed. One on-site inspection was conducted. Surveys will continue to be sent in small batches to make the program manageable.

#### **Upcoming Activities for May:**

- Quarterly disinfection byproducts sampling
- Pump station maintenance (tentative)
- Selected staff will attend comprehensive training on fluoride treatment in Salem, VA (free course).
- Continued painting at the plant
- Clean out of raw pump building wet well.