Water and Wastewater Department Monthly Report
March 2015

Listed below is a summary of the activities the Water and Wastewater Department performed during March.

GENERAL

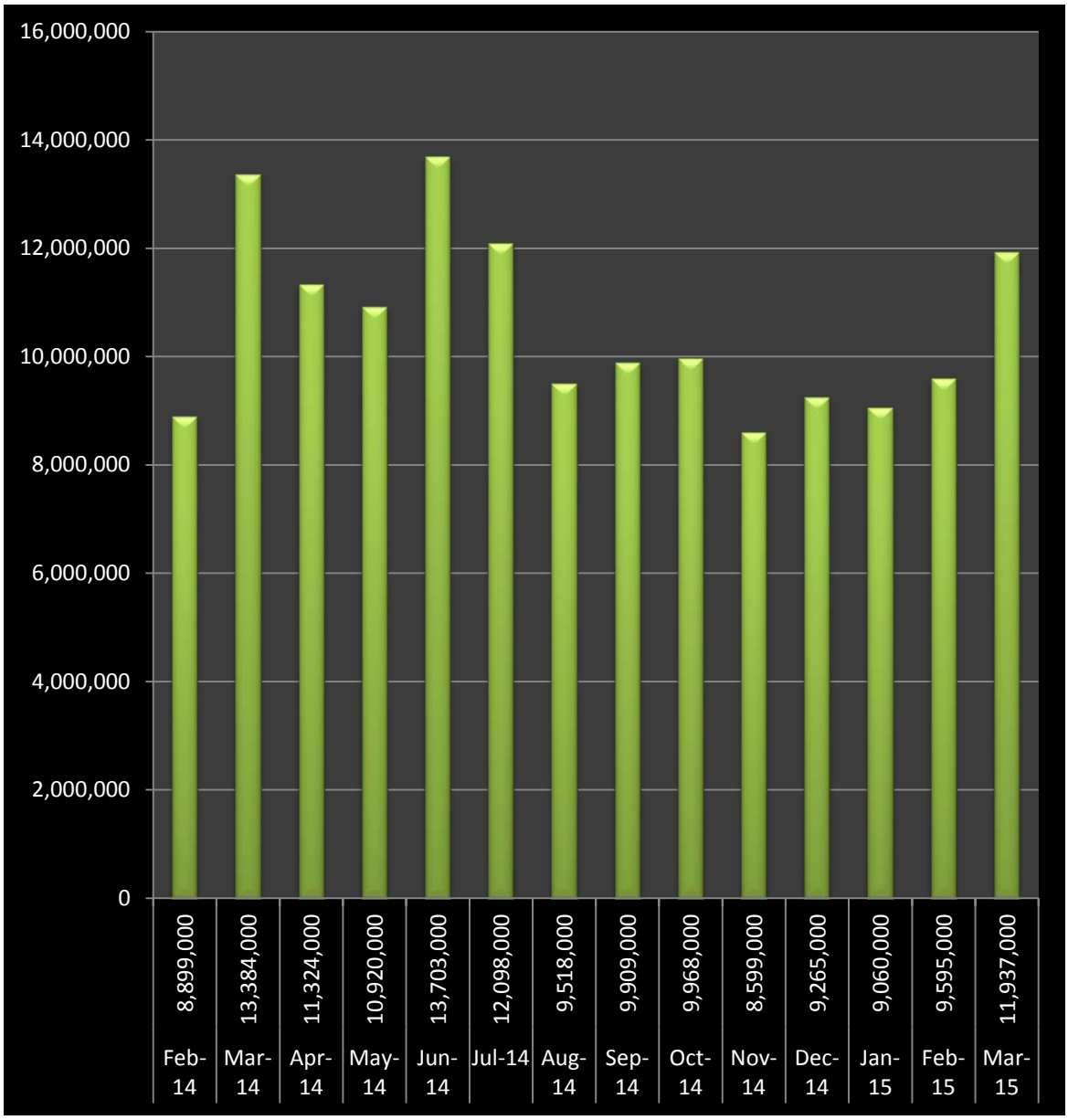
- Completed work orders for: Endpoint Installations: 12
  - Shut-Off Service: 1
  - Turn On Service: 4
  - Final Read: 1
  - Julie Locate Requests: 16
  - New Meters Installed: 0
  - Existing Meters Replaced With New Meters: 4
  - Total Work Orders: 15
- Worked on the budget
- Completed and received the IPRF Safety Fund Grant which was shared with the Police and Public Works Department.
- Jeff and I attended the ISAWWA water operator's conference on March 24-25 in Springfield. While there we attended the following classes.
  - Demonstrating Operational Effectiveness-Rockford Water
  - Taming Nessie: Tools for Managing the Aging Infrastructure Monster
  - Monitoring the Health of Your Well and Pumps
  - Dealing with Raw Water Ammonia Issues
  - The Science of Mixing and Improving Water Quality in Water Storage Tanks
  - How Many Antennas are Too Many
  - Comparison of Underwater and Drained Tank Inspections
  - Creative Solutions to Meet Excess Flow Discharge Requirements
  - WaterSense: A Water Efficiency Program for Community Resiliency
  - Lions. Tigers, and Water Efficiency: Brookfield Zoo's Water and Energy Efficiency Improvements

- Also the Town of Cortland and the Village of Sugar Grove teamed up to compete in the Hydrant Hysteria contest. In this competion the object is to assemble a fire hydrant in the quickest time and have it function properly. We completed our hydrant in two minutes and ten seconds which put us in 5th place. The winning team was from Algonquin.
- While in Springfield at the conference Jeff was able to attend a water operator's class and was able to take his exam for his license. Jeff has passed his test and meets the requirements and is now a State of Illinois Class C water operator.

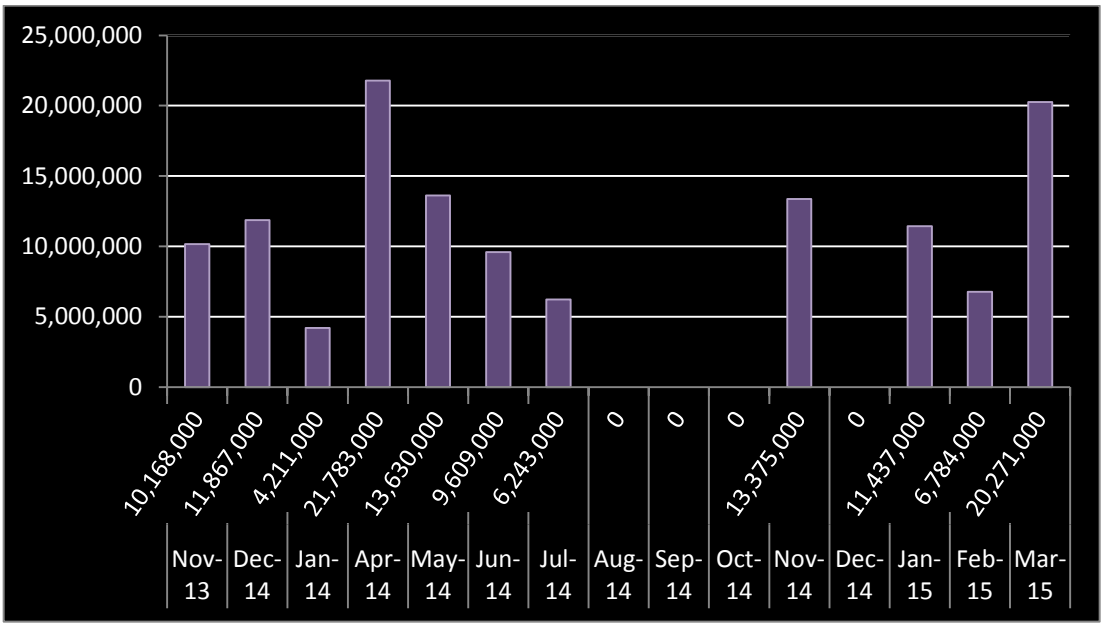
WASTEWATER

- Approx. 11,957,000 gallons flowed into the treatment plant.
- Approx. 20,271,000 gallons were discharged.
- The Discharge Monitoring Report (DMR) was completed and mailed to the IEPA.
- Serviced both blowers at the STP.
- Serviced both air compressors at the STP.
- Installed a new 3 phase motor on compressor #2 at the STP.
- Completed routine wastewater sampling.
- Completed routine sewer main jetting.
- The main electric breaker at the North Avenue Lift Station was replaced due to a safety recall. This was completed as part of the warranty work by Civil Construction.
- Pulled the broken air header pipe in cell #4 back to shore and secured it to the cables.
- Repaired 8 aerators in the lagoons.
- Installed a gravel pad for pipe storage at the STP.

Wastewater Flow into Plant

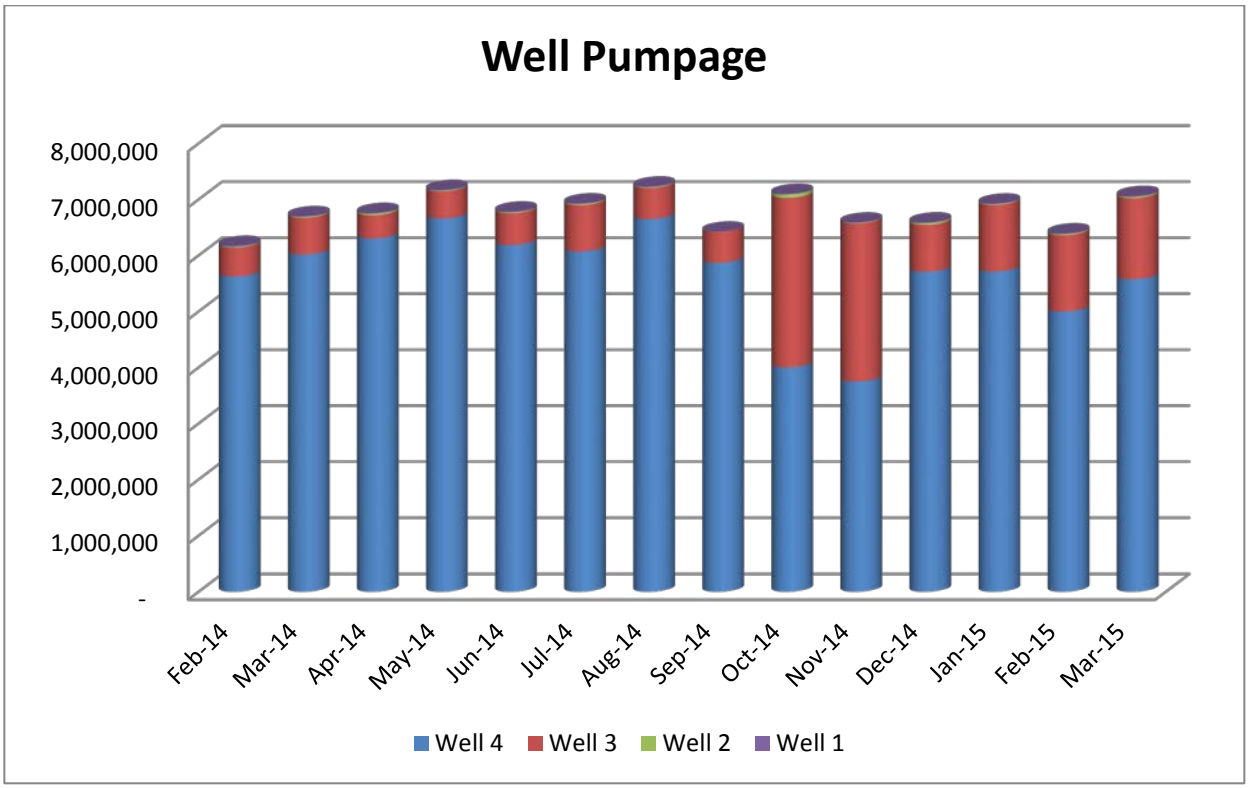


Treated Wastewater Discharged



WATER

- Completed over 488 water quality tests. (pH, Fluoride, Chlorine, Hardness)
- Monthly chemical injection reports were complete and mailed to the IEPA
- 12 Bact's and 4 Fluoride samples were collected.
- Completed water meter re-reads.
- Distributed water/wastewater disconnection tags.
- Completed IEMA report for Radium residuals.
- Repaired chlorine and fluoride leaks at Well 4.
- Removed extra pipe and hydrant parts from the side of the water office to the gravel pad at the STP.
- Rebuilt retaining wall at the water office/well 3 that was starting to fall over. Installed tie backs to prevent this.



Well 1 22,300
Well 2 22,900
Well 3 1,446,480
Well4 5,573,998

7,065,678 Gallons of Treated Water Was Pumped In March