



Polk City Commissioners

JANUARY 2014 UTILITY OPERATIONS SUMMARY

TABLE OF CONTENTS

SECTION	PAGE NO.
Executive Summary.....	ES-1
1. OPERATIONS AND MAINTENANCE ACTIVITIES	1
1.1 Miscellaneous Job Order Completions	1-2
1.2 Water System Flow Information	1
2. PLANNED FEBRUARY MONTHLY ACTIVITIES	1

EXECUTIVE SUMMARY

The following points are presented as an overall summary of water and wastewater utility department activities and events that occurred during the month of January, 2014:

- Completed and delivered public notice in compliance with Health Department guidelines in response to November's sampling violation.
- Completed company's monthly safety requirements.
- Working with master meter on financial impact of meter change-out program.
- Continuing work with FDOT on several projects which may impact the city's systems.
- Working with City on replacement of Hydro Tank at Matt Williams WTP.
- Continuing work on swapping out master meter registers that are still under warranty.
- Working on ways to improve efficiency with paperless data collection and maintenance recording with Do Forms program.
- Still working with Barney's pumps on issues with new liftstations. Two pumps were pulled and repaired this month, and the other two are scheduled to be done in February. Still unclear if this will completely fix issue.
- Coordinating resources with Utility Tech for arrival of new Hydrotank at Matt Williams.
- Completed fire hydrant relocation for the FDOT project on S/R 33.

OPERATIONS AND MAINTENANCE ACTIVITIES

- Completed monthly compliance sampling.
- Working on relocation of influent flow meter at Cardinal Hill WWTF.
- Ordering parts to tie flow meters at Cardinal Hill WWTF into composite samplers.
- Focusing on valve exercising program and hydrant flushing.
- Working with city and electrician on recommendations for liftstation upgrades.
- Continuing to pull liftstation pumps on a routine basis due to electrical issues.
- Adjusted meter reading efforts to compensate for continuing issues with dying meters.
- Discovered severe sewer back-up in the Damascus Ave. area. Called in Roto-Rooter to clear sewer main of clog. There was close to 2000 feet of sewer main backed up.
- Local plumber working at a residence on Jericho discovered one of our sewer laterals broken, and completely root infested. Garner Complete Site repiped broken lateral and connecting lines.
- Working with Odom Contracting on fire hydrant issues.



Hydrant Flushing.



Service line leak repair.



Early morning at Cardinal Hill WWTF.



Inquisitive neighbors at Cardinal Hill.

1.1. MISCELLANEOUS JOB ORDER COMPLETIONS

- 100 wastewater lift station checks.
- 41 lift station repairs and maintenance items completed.
- 9 sewer line repairs; and maintenance items completed.
- 71 water line and hydrant repairs, and maintenance items.
- 2340 monthly meter readings.
- 38 locates
- 193 work orders completed.
- 11 Call outs from answering service.
 - 40 services turned on
 - 33 disconnects
 - 4 new installations
 - 37 registers replaced

1.2. WATER SYSTEM FLOW INFORMATION

Month	Water Treatment Plant Flow, MGD		
	Monthly Total	Daily Max	Daily Ave
November 2013	13.247	0.551	0.442
December 2013	12.505	0.599	0.403
January 2014	12.305	0.541	0.397

PLANNED FEBRUARY MONTHLY ACTIVITIES

- Continue swapping out failed registers.
- Work with city and contractors to help with new tank installation at the Matt Williams WTP.
- Rehab Cardinal Hill WWTF onsite sprayfield.
- Discuss electrical engineers' recommendation for liftstation panel upgrades with the City.
- Continue working on the Hwy 33 sprayfield.
- Bring company back out for retreatment of Cardinal Hill storage lagoon. First treatment worked well, and held up for a considerable amount of time.
- Finalize proposal to city concerning meter replacement program.
- Finish wiring at Cardinal Hill WWTF.



Sewer lateral repair on Jericho Ave.



This is the spongy mass of roots that had completely clogged our 6 inch sewer lateral.