

To: Honorable Mayor and City Councilors
From: Michael Spurgeon, City Manager
Date: July 29, 2016
Re: Notes to Council

1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION

- Utilities Department Monthly Report – June 2016
- Streets & Stormwater Memo – Project Update & Debris Pickup Information

2. GENERAL CORRESPONDENCE / NOTIFICATION

- N/A

3. SPECIAL EVENTS / ACTIVITIES

- N/A

Respectfully submitted,




Michael L. Spurgeon

jmh
Attachments

1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION



INTEROFFICE MEMO

To: Michael Spurgeon, City Manager
From: Anthony Daniel, Utilities Director 
Date: July 29, 2016
Re: Utilities Department Monthly Report – June 2016

	June 2016	June 2015
Water Treated, Purchased and Distributed		
Water Purchased from Tulsa	0 MG	0 MG
Water – Produced at Verdigris WTP	471.8 MG	399.1 MG
Wastewater Treated		
Lynn Lane Plant	126.5 MG	164.7 MG
Haikey Creek Plant flow from BA	135.9 MG	175.4 MG
Haikey Creek Plant flow from Tulsa	202.4 MG	218.1 MG

Sewer Lift Booster Station Equipment Maintenance Summary-David Handy

- 1. Indian Springs Lift Station (Sports Complex):**
 - a. Installed new high level float with audible alarm and light.
- 2. Windsor Lift Station:**
 - a. Replaced solenoid valve for Pump #2.
- 3. Old Adams Creek Lift Station:**
 - a. Installed new rotating assembly Pump 1A and inspected check valves.
 - b. Repaired power cord and replaced fuse on overhead crane.
- 4. Pinalto Lift Station:**
 - a. Replaced transducer and HFE field technician reprogrammed PLC.

LLWWTF Maintenance Summary-David Handy

- 1. Secondary Lift Station:**
 - a. Lost SCADA pak due to storm. Bauman Controls replaced and programmed. Headworks communications up and running.
- 2. Contact Basins:**
 - a. Cl2 analyzer pump installed and back in service.
- 3. Blower Building:**
 - a. South Thickener pump was rebuilt and back online.
 - b. Monitoring suction line and solids level.
 - c. Installed Blower #3 and jackshaft for Blower #6. Waiting on shaft alignment technician.
- 4. Headworks:**
 - a. North screen broke chains due to storm event. South screen put in service.

- b. Replaced belts and breaker on Screw Pump #3 and put back in service.

5. Grit Chamber:

- a. New belts on Grit Blower.
- b. Installed new float on sump pump.

South digester foaming issues.

Weekly cleaning of WAS and RAS pumps.

Installation started on new polymer injection machine.

Address odor complaints and concerns with local residents.

**Lynn Lane and Haikey Creek WWTP Industrial Pretreatment Program Summary-
Lauren Wilson**

Fats, Oil & Grease (FOG) Program Activities

1. Food Handling Establishment Inspections:

City pretreatment staff inspected 62 food handling establishments (FHE) in the month of June.

Inspected manifests for grease interceptor (GI) maintenance, looked at GI, and discussed best management practices for facilities with grease abatement equipment. FHEs with improperly maintained interceptors have been asked to have their grease interceptor pumped immediately. Re-checks are done for non-compliance issues.

2. Fats, Oil & Grease (FOG) Administration:

- Meeting with Brooks Grease reps to discuss City FOG program procedures and expectations.
- Meeting with Advanced Microbial to discuss City FOG program procedures and expectations.
- Development of food truck/concession stand survey.

3. Grease-Related Sanitary Sewer Overflows (SSO) & Response:

- Stream samples at 91st & Olive after SSO – Ammonia, Dissolved Oxygen, Fecal Coliform.
- FOG brochures and oil recycle bottles were distributed to 111th & Oak neighborhood residents in response to grease contributed overflow.

Industrial Pretreatment Activities:

1. Development of automotive shop database and best management practice.
2. City staff sampled the following facilities for compliance with federal, state and local pretreatment standards:
 - Verdigris Water Treatment Plant – Citric Acid Waste – Metals, pH, BOD/TSS
 - Lynn Lane Wastewater Treatment Plant – Table III Metals, Oil & Grease, Cyanide

3. Met with Blue Bell about wastewater discharge permit non-compliance and timeline for corrective action.
4. The following compliance monitoring reports/certifications and/or laboratory analysis were received and reviewed in the month of June:
 - Blue Bell compliance monitoring report and laboratory analysis – Bio-chemical Oxygen Demand and Oil & Grease violations.
 - Unifirst compliance monitoring report and laboratory analysis – no deficiencies
 - Flight Safety laboratory analysis review – graphic arts and water jet – no deficiencies
 - Lynn Lane Wastewater Treatment Plant influent and effluent priority pollutant scan review – no deficiencies
5. Surcharges for Bio-chemical Oxygen Demand (BOD), Total Suspended Solids (TSS), and Oil & Grease above residential thresholds were calculated for Unifirst in the amount of \$4,333.54. Blue Bell surcharges were calculated at \$24,888.71, but not issued. Surcharges have been postponed per Utilities Director.

UTILITIES DISTRIBUTION/COLLECTIONS MAINTENANCE SUMMARY
WATER DISTRIBUTION – Jerry Hanewinkel

1. New Taps and Meters set 50
 2. Responded to 51 meter leak calls
 3. Replaced 16 meters
 4. Repaired or Replaced 22 meters and valve boxes
 5. Replaced 17 Curb Stops
 6. Repaired 6 valves
 7. Cleaned up 43 yards
 8. Responded to 419 Call Okie Line Locates
 9. Installed 2 service crossings
 10. Responded to 74 water system service requests
 11. Flushed 12 main lines for water quality issues
 12. Distribution Main Leaks repaired 10
 13. Meter leak repairs done 11
 14. Valve truck crew exercised 131 valves
 15. Fire Hydrants Repaired 36
 16. Fire Hydrants Replaced 3
 17. Fire Hydrants Painted 131
- AMR PROJECT-
 AMR register with new meter-193 installed
 Replace meter boxes-5

SEWER COLLECTION- David Marlow

1. Service requests calls 22
2. Sewer line blockages 6
3. Sewer line cleaned 718 ft.
4. Sink holes repaired 2
5. Sewer line locates done 140
6. Stand-by and night crew responded to 7 sewer calls
7. Clean ups done at 14 locations

8. CCTV 157 ft. to locate problems/defects in the sewer line
9. Lift station repairs done at 5 stations
10. Manholes cleaned /raised/repaired 2
11. Sewer lines root cut at 5 locations
12. Sewer lines repaired at 6 locations
13. Sanitary Sewer Overflows (SSO's) reported 4 for the month of June

METER READING – Derriel Bynum

1. Replaced Meters-12
 2. Door Hangers for bad check-53
 3. Turn Ons for non payment-176
 4. Turn Offs for non payment-235
 5. New Accounts-562
 6. Finals-538
 7. Read 37,317 Meters for the month of June 2016
 8. Construction Meters Set-4
 9. Rebuilt large meters-4
 10. Leak Tests-120
- AMR Project-
- Registers installed-545
- Register & meter-682
- Meter boxes replaced-23
- Meter lids replaced-3
- Meter risers installed-16
- Curb stops replaced-8
- Meter vaults set-6

UTILITIES CONSTRUCTION – Tommy Kimbrough

1. Project 3rd & Richmond W/L 1608-installed 595' of 6" C-900 PVC water line to replace deteriorated 6" line.

WATER QUALITY- Diana Flora

1. Flushed dead end water lines (42 total) added a new one.
2. Tested chlorine levels near auto flushers to verify all are working (19 total)
3. Manually flushed 5 auto flusher locations to improve chlorine residuals. Currently 2 units are down for repair.
4. 19 dirty water calls, 130,670 gallons of water flushed to improve water quality.
5. Collected 100 Bac-T samples and 2 chlorine (am/pm) daily
6. Total gallons flushed to improve water quality in June 3,685,340 gallons.
7. Revised Total Coliform Rule approved, to begin July 1, 2016.

VERDIGRIS WTP – Jimmy Helms

1. Repaired leak in chlorine feed line
2. Drained cleaned and inspected all four pretreatment plate settler areas
3. Repaired air regulator on membrane rack #10
4. Repaired pvc fittings on membrane feed pump B
5. Troubleshoot air blower system, variable frequency drive on order
6. Repaired leak on CIP supply line

7. Safety meeting on 6/22/16 over preventing heat stress
8. Replaced gasket in fluoride flow meter
9. Fixed leak on fluoride day tank
10. Acid cleaned chlorine generator slave 2
11. Load tested backup generators
12. Cleaned air filters on main switch board
13. Manually treated pre-sedimentation basins
14. Coagulant testing on pre-treatment basins
15. Participated in Public Service Company's Peak Performers Program
16. Rapid mixer # 1 shaft re-alignment
17. Cleared malfunction on decant pump station
18. Replaced ball valve on pre-treatment basin
19. Investigated Tulsa connection malfunction

ASSISTANT DIRECTOR-Barney Campbell

PLAN REVIEWS

- Stoney Creek Hotel
- BAPS-Elementary #15
- PGA South Central section
- Bel Lago
- Post Acute Healthcare Campus
- 51st & Aspen mini storage

MEETINGS

- Staff meeting
- Aspen Mini Storage-City Hall
- Zero Dig Trenchless-pipe repair
- Full staff meeting

IN HOUSE PROJECTS

- Wastewater Master Plan
- Broken Arrow Creek Trail

DIRECTOR'S REPORT – Anthony Daniel

1. Met with Utility O & M supervisors and managers for the weekly staff meetings.
2. Attended the weekly city manager leadership meetings.
3. Attended the monthly RMUA operations group meeting with City of Tulsa staff at Haikey Creek WWTP.
4. Met with E & C staff and Tetra Tech to review the 90% design of the LLWWTP Digester Refurbishment Project.
5. Participated in the weekly ACM Operations staff meetings.
6. Attended the scheduled city council and BAMA meetings. At the June 5th meeting, I presented the three phase Water Conservation Program. The WCP was adopted at the June 19th meeting.
7. Attended meeting with HR Director regarding a Utility employee issue.
8. Visited Windsor lift station with staff and pump reps to determine the cost effective way to replace an obsolete pump removed for seal failure.

9. Submitted Broken Arrow's "lead in water testing program" to Krista Flasch to be incorporated in the annual Financial Newsletter.
10. Attended the Chamber breakfast briefing to get an update on the State Legislature bills, etc.
11. Attended the LLWWTP weekly staff meeting.
12. Attended the BAPS-operations quarterly meeting along with other city staff.
13. Participated in the Employee Appreciation Day cookout and social event.
14. Pretreatment staff, City Manager, Asst. City Manager and Utility Director met with Bluebell management team about wastewater being discharged and the need for a pretreatment facility.
15. Attended the monthly OWRB Board meeting as city representative for the RMUA project loan application.
16. Attended the predesign meeting for the design of the HCWWTP Activated Sludge Train project.
17. Participated in the Personality and Leadership Inventory class at PD training center.
18. Attended the Preliminary Plan review meeting for the proposed improvements to the secondary clarifier and the plant effluent water system for the LLWWTP.
19. Met with City Finance Director, IT Director, City Attorney staff and metering staff to review CLEVEST mass meter changeout software for the city wide AMR project.
20. Participated in the 61st Tulsa Water Connection program meetings and provided assistance as seen needed.
21. Attended the lunch and learn sessions conducted by Uni-Bell pvc pipe association.
22. Met with OWRB representative to review the progress of phase I AMR project.
23. Attended the kick off meeting with E & C staff and consultant for the HC Interceptor phase I improvements.
24. Attended the Economic Development Project update meeting.

FUTURE PROJECT TO DO LIST:

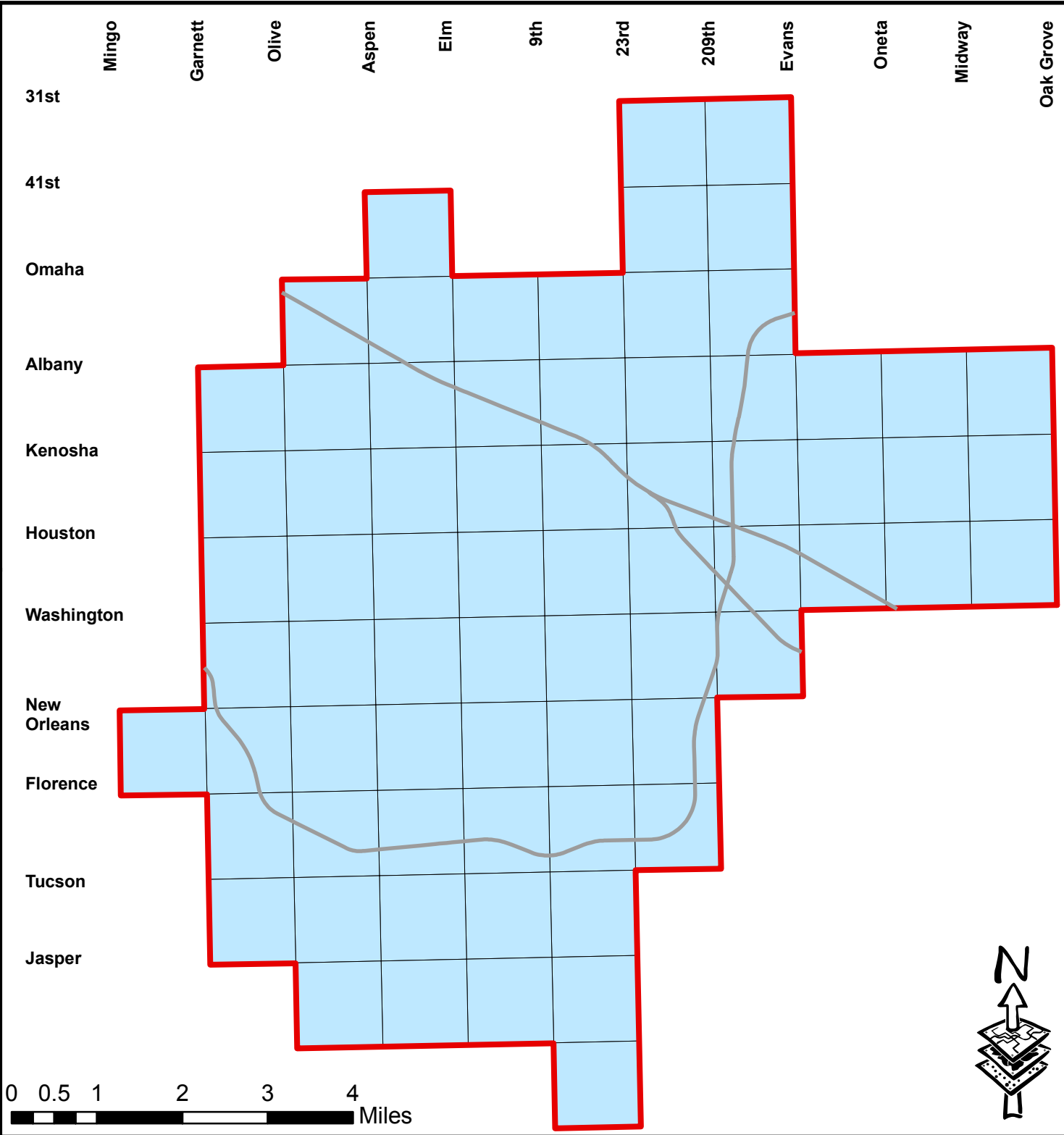
- Repair water leak at the junction of Kenosha and Aspen before the mill and overlay project.



To: Jennifer Hooks
From: Gwen Hicks
Subject: Street and Stormwater Start/Completion of Work
Date: July 29, 2016

Please include these items in your notes to council for the next meeting:

- ⇒ Completed the mill and asphalt overlay of the Plaza Subdivision
- ⇒ Start storm debris pickup of the City subdivisions beginning on Monday, August 1, 2016. Five (5) crews working 10 hrs./day will be dedicated to the pickup effort. City will be sectioned off into four quadrants with at least one crew in each quadrant. After completing a quadrant, the crew(s) will then move to an unfinished quadrant. That procedure will continue until all debris pickup has been completed. See attached map that will be used to monitor the status of work throughout the cleanup effort.






BROKEN ARROW
Where opportunity lives

Storm Damage Clean-up Area

Start Date:
 8-1-16
Last Update:
 8-1-16

Legend

-  Clean Up Area
-  Incomplete
-  Complete