

**To:** Honorable Mayor and City Councilors  
**From:** Russell Gale, Acting City Manager  
**Date:** July 26, 2019  
**Re:** Notes to Council

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### **1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION**

- Utilities Department Monthly Report – June 2019

### **2. GENERAL CORRESPONDENCE / NOTIFICATION**

- Press Release – Trey Lippe Morrison to speak at “Rumble in the Rose District” press conference
- Recent news articles

### **3. SPECIAL EVENTS / ACTIVITIES**

- N/A

Respectfully submitted,



Russell Gale

clm  
Attachments

# 1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION



**INTEROFFICE MEMO**

**To:** Michael Spurgeon, City Manager  
**From:** Charles Vokes, Utilities Director *CV*  
**Date:** July 26, 2019  
**Re:** Utilities Department Monthly Report – June 2019

	<b>June 2019</b>	<b>June 2018</b>
<b>Water Treated, Purchased and Distributed</b>		
Water Purchased from Tulsa	2.2 MG	0.8 MG
Water – Produced at Verdigris WTP	<u>332.9 MG</u>	<u>443.4 MG</u>
Total	335.1 MG	444.2 MG
<b>Wastewater Treated</b>		
Lynn Lane Plant	161.3 MG	120.8 MG
Haikey Creek Plant flow from BA	<u>180.9 MG</u>	<u>157.9 MG</u>
Total	342.2 MG	278.7 MG
Haikey Creek Plant flow from Tulsa	230.3 MG	185.8 MG

**LLWWTF Summary-**

**David Handy, Plant Manager**

1. Performed grounds maintenance
2. Checked calibration on effluent flowmeter
3. Inspected and tested chlorine leak sensors and air handlers in chlorine room and bi-sulfate room
4. Inspected SCBA units
5. Inspected chlorine cylinder hoist and cable
6. Inspected and tested eyewash stations
7. Received one ton chlorine cylinder and bi-sulfite
8. Greased all aerator upper and lower motor bearings and gear reducer bearings
9. Lubricated chain hoist at new headworks
10. Hooked up full chlorine cylinder
11. Greased compactor bearings and bar screen bearings at new headworks
12. Greased motor bearings on RAS pumps and blower #1
13. Replaced bulb on thickener pump P3 run light
14. Worked on fusing pipe in sodium bi-sulfite pump building
15. Disconnected empty chlorine cylinder
16. Received one ton chlorine cylinder
17. Changed air filter on blower #8
18. Greased conveyor motors and gear reducers at sludge transport building. South conveyor gear reducer has a noise.
19. Gear reducer for conveyor #3 failed. Worked on trying to get reducer off shaft
20. Air compressor for transport building had motor failure. Hooked up portable compressor temporarily

21. Repaired gas leak on east regulator
22. Received roll off dumpster for new headworks
23. Hooked up chlorine cylinder

**Utilities Distribution/Collections Maintenance Summary**  
**Water Distribution-Travis Schemonia, Water Supervisor**

1. New taps and meters-28
2. Line locates-574
3. Meters replaced-9
4. Meters replaced for AMR project-122
5. Registers replaced for AMR-131
6. Meter and valve boxes repaired/replaced-27
7. Meter boxes replaced for AMR project-3
8. Meter leak repairs-17
9. Water leak calls-21
10. Distribution main leak repaired-5
11. Curb stops replaced-18
12. Valve truck crew exercised 110 valves for the month, bringing the total to 336 for 2019
13. Water system service requests-89
14. Cleaned and restored yards after water line repairs-0
15. Fire hydrants replaced-0
16. Fire hydrants repaired-2
17. Main lines flushed to address water quality issues-11
18. Valves repaired-6
19. Service crossings installed-0
20. Flushed dead end lines at 39 locations
21. Nine water quality concern calls-279,015 gallons flushed
22. Total gallons flushed to improve water quality-estimated 6,270,210 gallons
23. Assisted Building Maintenance to replace a grease trap at Fire Station #6
24. Turned off fire line at Fire Station #5
25. Repaired broken service line at Events Park

**Water Reclamation-David Marlow, Wastewater Collection Supervisor**

Lines-

1. Service request calls-38
2. Sewer line locates-111
3. Sewer line blockages relieved-7
4. After hour calls-20
5. Manholes cleaned/raised/repared-5
6. Sewer lines cleaned-8,389 ft.
7. Sewer lines repaired/replaced/installed-69 ft.
8. Sewer lines root cut-300 ft.
9. CCTV inspections done-1,116 ft.
10. Sinkholes-4
11. Sanitary Sewer Overflows (SSO's) reported to ODEQ-20
12. Cleaned and restored yards after sewer line repairs-7
13. Assist other departments-2

Booster and Lift Stations-

1. Routine station visits (29 lift stations and 4 booster stations)-430

2. Check valves/pumps cleaned at stations-12
3. Groundskeeping-9
4. Booster station calls-0
5. Wet wells cleaned-2
6. Pump station maintenance and repairs-16
  - The Greens-replaced rotating assembly
  - ISSC-replaced transformer
  - Adams Creek North-reinstalled motors 2A and 2B
  - The Greens-rewired motor
  - Adams Creek North-wired up and started 2A and 2B
  - Adams Creek North-Addco installed breaker sets 2 and 3
  - Adams Creek North-2A motor shorted out, switched to 1
  - Adams Creek North-found two bad ARV's on force main, replaced one
  - Bass Pro-replaced exhaust fan
  - South Park South-repaired bolt holes
  - South Park South-cleaned and repaired 3 way valve
  - ISSC-replaced transducer and float
  - Turnberry-installed electric for BioChem
  - Homeland-installed electric for BioChem
  - Old Adams Creek-replaced #2 flapper
  - Animal Shelter-replaced station suction lines

**Meter Reading-Derriell Bynum, Meter Reading Supervisor**

1. Replaced meters-86
2. Placed door hangers for bad checks-6
3. Turn Ons for nonpayment-146
4. Turn Offs for nonpayment-180
5. New account service initiated-529
6. Accounts finaled-561
7. Meters read-39,001
8. Rereads/leak tests-132
9. Misreads verified-15
10. Boxes replaced-5
11. Met with residents to discuss their high bill/water usage concerns-2
12. AMR Project
  - Retrieved water use history from AMR radio devices and provided the 90 day graphs to the customers-6 for a total of 40 for 2019
  - AMR registers-561
  - AMR meter body-235
  - Dead AMR registers replaced-15
  - Meter boxes replaced-12
  - AMR antennas replaced-7
  - Risers replaced-4
  - Curb stop replaced-3
  - UME chambers-2
  - Pulled meters-2

### **Utilities Construction-Tommy Kimbrough, Construction Supervisor**

1. 131<sup>st</sup> & Gardenia water line project (W/L 1901)-installed 280' of 12" C-900 water pipe
2. Streetscapes-installed 400' of 12" C-900 water pipe and installed two fire hydrants
3. 115<sup>th</sup> & County Line Road-sewer line repair
4. 1<sup>st</sup> & Dallas-installed 390' of 12" C-900 water pipe, 60' of 8" C-900 water pipe, 6' of 6" C-900 water pipe, 8' of 4" C-900 water pipe and 70' of 4" SCH 40 sewer pipe.
5. Adams Creek North-watched pumps at lift station

### **Water Quality-Diana Flora, Water Quality Technician**

1. Tested chlorine levels near auto flushers to verify all are working-18 (3 were not working)
2. Bac-T samples collected-100
3. Collected 2 chlorine samples (am/pm) daily-60 total
4. Distribution system-tests at 12 distribution locations and 4 water tower locations
5. Checked chlorine levels daily at 4 water towers

### **Verdigris WTP-Jimmy Helms, Plant Manager**

1. Changed color cell and reagents on pre clear well
2. Drained and rinsed hypochlorite generation unit #2 with softened water
3. Installed refurbished cell in hypochlorite generation unit #2
4. Installed new communication card on blower after cooler A
5. Repaired leak on 1" pvc line at the bottom of hypochlorite generation unit #2 and refilled with softened water
6. Removed old ABB pre clear well pH probe from instrumentation board located on east end of high service building
7. Worked on sludge valve #2, drained water from flex conduit, added conduit putty and installed gasket on cover, sealed all connections with silicone
8. Pulled and terminated all new wire from sludge valve actuator #2 to control panel
9. Installed new logic board, power supply and interface card on sludge valve actuator #2
10. Calibrated and bump tested both Ventis Mx4 air monitors
11. Reattached air line clamp on the ceiling in the maintenance hallway just east of Rack #10, added a locking nut and blue Loctite
12. Changed oil and filters on blower A and B
13. Installed new fan and motor on blower after cooler B
14. Re-plumbed raw water supply inlet for new Swan raw water turbidity meter
15. Installed new Swan turbidity meter at raw water
16. Finished plumbing new Endress & Hauser pre clear well pH probe assembly and mounted multi-channel controller
17. Removed all sand bags and sand pile from raw water
18. Changed color meter on high service finished water
19. Found loose wire on Cummins generator #3 that was causing a fail to close alarm, tightened connection
20. Installed new style encoder on #4 sludge system and tested operation
21. Drained water out of the #4 blower pressure switch on top of east hypochlorite tank
22. Collected 10 samples from the distribution system for total chlorine analysis
23. Water Plant conducted 2,968 water quality analysis
24. Participated in PSO Peak Performers load reduction test

**Lynn Lane and Haikey Creek WWTP Industrial Pretreatment Program Summary-**  
**Lauren Wilson, Pretreatment Coordinator**  
**Fats, Rags, Oil & Grease (FROG) Program Administration**

- Letters were mailed to 43 homes upstream of a sanitary sewer overflow letting residents know that excessive grease and debris caused a blockage in the sewer line in their neighborhood. Residents were given tips on how to avoid sewer backups and overflows in their homes and neighborhood.

**Industrial Pretreatment Activities:**

**1. Laboratory reports received and reviewed for compliance**

- Blue Bell –No deficiencies were noted. Monthly surcharges for conventional pollutants above residential thresholds were calculated in the amount of \$6,581.37. Surcharges have been submitted to the Finance Department for billing.
- Unifirst –No deficiencies were noted. Monthly surcharges for conventional pollutants above residential thresholds were calculated in the amount of \$919.15 and submitted to the Finance Department for billing.
- Mullin Plumbing –Zinc was reported at 7.02 mg/L and Copper was reported at 4.21 mg/L, which are violations of Broken Arrow Wastewater Discharge Permit No. BA026. The daily maximum for zinc is 5.0 mg/L and copper is 4.0 mg/L. A notice of violation will be issued. A meeting was scheduled with Mullin Plumbing to discuss possible solutions.
- Comgraphx/Communication Graphics – No deficiencies were noted. Monthly surcharges for conventional pollutants above residential thresholds were calculated in the amount of \$439.29 and submitted to the Finance Department for billing.
- Seneca Companies – A charge was submitted to the Finance Department in the amount of \$318.50 for industrial wastewater discharged to the City of Broken Arrow sanitary sewer system from Kum & Go at 1050 E. Kenosha. The water had been previously analyzed for contaminants and was below City of Broken Arrow pretreatment standards for underground storage tanks.

**2. Wastewater Samples Collected**

- Lynn Lane Wastewater Treatment Plant – Quarterly influent and effluent priority pollutant analysis. Table III Metals, Total Cyanide, Ammonia, Total Phosphorus, Oil & Grease, Total Phenolics.
- Haikey Creek Wastewater Treatment Plant – Quarterly influent and effluent priority pollutant analysis. Table III Metals, Total Cyanide, Oil & Grease, Total Phenolics, Pesticides, Polychlorinated Biphenyls.

## 2. GENERAL CORRESPONDENCE / NOTIFICATION





## Trey Lippe Morrison to speak at “Rumble in the Rose District” press conference Monday

- “Rumble in the Rose District” will be the biggest sporting event in Broken Arrow’s history.
- Showtime will transform Main Street into an outdoor boxing venue on August 23, 2019 and broadcast live to a world-wide audience.

### **PRESS CONFERENCE:**

- Monday, July 29, 2019
- 10:00 a.m.
- Rose District Plaza, 418 S. Main St, Broken Arrow

On Monday, details will be shared regarding the card (who’s fighting) and ticket information.

Additionally, Trey Morrison, son of Oklahoma-born world heavyweight champ Tommy Morrison, will be available for interviews after the press conference concludes.

Krista Hemme | Communications Director  
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*INTEROFFICE MEMO*

**To:** Honorable Mayor and City Councilors  
**From:** Jennifer Swezey, Community Relations Liaison  
**Date:** July 26, 2019  
**Re:** Recent News Articles

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Below are some links to news coverage in Broken Arrow this week.

<https://www.newson6.com/story/40822645/broken-arrow-bout-brings-boxers-business-bonanza>

<https://ktul.com/news/local/broken-arrow-police-k-9-officer-retires-due-to-health-issues>

Respectfully submitted,

Jennifer Swezey

### 3. SPECIAL EVENTS / ACTIVITIES

