

To: Honorable Mayor and City Councilors
From: Michael Spurgeon, City Manager
Date: March 29, 2019
Re: Notes to Council

1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION

- Utilities Department Monthly Report – February 2019

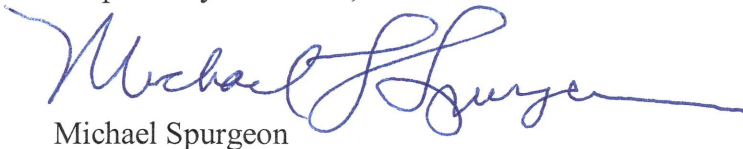
2. GENERAL CORRESPONDENCE / NOTIFICATION

- Press Release – Reflection Park Ribbon Cutting
- Press Release – Arbor Day Celebration
- Recent News articles – Reflection Park Dedication, Citizens Police Academy Graduation

3. SPECIAL EVENTS / ACTIVITIES

- N/A

Respectfully submitted,



Michael Spurgeon

jmh
Attachments

1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION



INTEROFFICE MEMO

To: Michael Spurgeon, City Manager
From: Charles Vokes, Utilities Director 
Date: March 29, 2019
Re: Utilities Department Monthly Report – February 2019

	February 2019	February 2018
Water Treated, Purchased and Distributed		
Water Purchased from Tulsa	0.4 MG	1.0 MG
Water – Produced at Verdigris WTP	<u>232.5 MG</u>	<u>238.2 MG</u>
Total	232.9 MG	239.2 MG
Wastewater Treated		
Lynn Lane Plant	92.9 MG	120.2 MG
Haikey Creek Plant flow from BA	<u>164.3 MG</u>	<u>132.9 MG</u>
Total	257.2 MG	253.1 MG
Haikey Creek Plant flow from Tulsa	178.6 MG	178.5 MG

LLWWTF Summary-

David Handy, Plant Manager

1. Rebuilt and pressure tested chlorine on east regulator
2. Replaced polymer tote
3. Replaced conduit on east aerator No. 5AR2
4. Lubricated belt press bearings
5. Tested oil pump on aerator No. 5AR2 and locked out
6. Replaced fluorescent bulbs in polymer room
7. Reported water leak between east oxidation ditch and blower building
8. Tightened plug on east chlorine regulator
9. Trouble shoot grease cup on screw pump No. 3 at headworks
10. Received and unloaded drums of antifreeze for maintenance on generators
11. Cleaned shop area
12. Tightened LED face plates on polymer pump and remote setting
13. Pulled rags out of belt press
14. Checked fire extinguishers
15. Flushed eyewash stations
16. Shut water off for construction workers
17. Cleaned hydraulic filter and reservoir on belt press
18. Removed and cleaned piston pump on grease pot for screw pump No. 3
19. Organized pipe fittings in maintenance shop
20. Removed, cleaned and stored spare grease pot from headworks
21. Repaired backflow preventer valve in east beltpress building
22. Installed new plunger in grease pot for screw pump No. 3

23. Held training for Class "A" CDL
24. Performed monthly checklist for chlorine building, storage and chlorinator rooms
25. Checked effluent flowmeter for accuracy
26. Received full chlorine cylinder

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

1. New taps and meters-38
2. Line locates-581
3. Meters replaced-10
4. Meters replaced for AMR project-70
5. Registers replaced for AMR-138
6. Meter and valve boxes repaired/replaced-7
7. Meter boxes replaced for AMR project-53
8. Meter leak repairs-9
9. Water leak calls-126
10. Distribution main leak repaired-9
11. Curb stops replaced-4
12. Valve truck crew exercised 74 valves for the month, bringing the total to 97 for 2019
13. Water system service requests-79
14. Cleaned and restored yards after water line repairs-0
15. Fire hydrants replaced-2
16. Fire hydrants repaired-28
17. Main lines flushed to address water quality issues-23
18. Valves repaired-2
19. Installed two 12x12x6 tees with valves at Jasper Estates
20. Made 12x12 tap for Lynn Lane project
21. Flushed dead end lines at 39 locations
22. Two water quality concern calls-63,750 gallons flushed
23. Total gallons flushed to improve water quality-estimated 6,690,420 gallons

Water Reclamation-David Marlow, Wastewater Collection Supervisor

Lines-

1. Service request calls-27
2. Sewer line locates-69
3. Sewer line blockages relieved-8
4. After hour calls-9
5. Manholes cleaned/raised/repared-8
6. Sewer lines cleaned-7,125 ft.
7. Sewer lines repaired/replaced/installed-98 ft.
8. Sewer lines root cut-70 ft.
9. CCTV inspections done-926 ft.
10. Sink holes-2
11. Cleaned and restored yards after sewer line repairs-1
12. Sanitary Sewer Overflows (SSO's) reported to ODEQ-5

Booster and Lift Stations-

1. Routine station visits (29 lift stations and 4 booster stations)-474
2. Check valves/pumps cleaned at stations-6
3. Booster station calls-2
4. Pump station maintenance and repairs-7

- The Greens-replaced No. 2 pump
- Adams Creek North-Haynes replaced two fuses
- Old Adams Creek-replaced rotating assembly
- Kenwood Hills Booster-wire on transformer was not connected, called PSO to reconnect
- Turnberry-cleaned 3 way valve
- 209th-trimmed bypass hose
- Bass Pro Booster-Haynes reconnected PLC panel wire

Meter Reading-Derriell Bynum, Meter Reading Supervisor

1. Replaced meters-25
2. Placed door hangers for bad checks-28
3. Turn Ons for nonpayment-225
4. Turn Offs for nonpayment-251
5. New account service initiated-386
6. Accounts finalized-381
7. Meters read-39,073
8. Rereads/leak tests-145
9. Misreads verified-305
10. Boxes replaced-6
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-8
 - AMR registers-192
 - AMR meter body-99
 - Dead AMR registers replaced-7
 - Meter boxes replaced-3
 - AMR antenna replaced-3

Utilities Construction-Tommy Kimbrough, Construction Supervisor

1. Angus Acres water line project (W/L 1902)-installed 1120' of 6" C-900 water pipe
2. Broadway & Date-installed 402' of C-900 water pipe, chlorinated water line, pulled Bac-T samples and tied in residential services
3. 124th & 128th-made final 6" tie in
4. Distribution line leaks-3
5. Line locates-35
6. Taps-14
7. Repair/replace fire hydrant-2
8. Sod-6500'

Water Quality-Diana Flora, Water Quality Technician

1. Tested chlorine levels near auto flushers to verify all are working-20
2. Bac-T samples collected-100
3. Collected 2 chlorine samples (am/pm) daily-60 total
4. Distribution system-11 parameter testing with 352 onsite tests at 12 distribution locations and 4 water tower locations

Verdigris WTP-Jimmy Helms, Plant Manager

1. Adjusted brine level set point

2. Removed titanium grounding nipples from #2 and #3 hypochlorite generators, cleaned and resealed
3. Installed new O-rings in unions and ball valve connections on hypochlorite generator plumbing around grounding nipples
4. Removed rubber boot on #1 blower. Cleaned, sealed, reinstalled
5. Installed new water inlet filter housings and filters on #1, #2 and #3 hypochlorite generator
6. Rotated cells #2 and #3 on hypochlorite generator #2
7. Installed new softened water roto-meter on generator #2
8. Repaired leak on cell #5, hypochlorite generator #1
9. Checked voltage, temperature and current across all five cells on #1 and #3 hypochlorite generators
10. Removed positive terminals on cells #3 and #4 on unit #1 and applied copper seize
11. Installed four new LED lights in lab
12. Changed softened water inlet filters on hypochlorite generator #1 and #3
13. Changed desiccant cartridge on settled turbidity meter
14. Repaired flex conduit on citric acid pH probe
15. Changed influent hose on hypochlorite pump #3
16. Installed new brine filter housings
17. Tightened up all coolant hose clamps on all three generators at high service
18. Tightened packing on leaking filtrate valve on rack #9
19. Installed uni-strut brace on pvc coming out of the brine tank
20. Reset PLC and radio system at raw water
21. Tightened bolts on blower B after cooler fan guard. Checked all bracket bolts, and motor bolts for tightness.
22. Replaced spray heads on eye wash station in the CIP room
23. Diagnosed solenoid #2 problem on softened water system
24. Calibrated and bump tested both Air MX4 monitors
25. Removed old Hach turbidity unit from raw water pump station
26. Installed Swan turbidity unit at raw water pump station
27. Installed new can style LED lamps in lab and conference room, both restrooms, and storage closet
28. Flushed existing drain line for turbidity meter at raw water due to blockage
29. Exercised portable generator
30. Reset flow meter at raw water
31. Installed 3 LED low bay lights in the maintenance hallway in the membrane building
32. Installed new air relief valve on CIP pump system
33. Installed isolation valves on hardness meter water supply lines
34. Replaced #3 solenoid valve on soften water supply to hardness meter
35. Replaced roll pump tubing on the hardness meter
36. Installed new thermostat on Atlas Copco air compressor #2

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

Fats, Rags, Oil & Grease (FROG) Program Activities

1. Food Handling Establishment Inspections:

- Pretreatment staff performed 85 food handling establishment 6-month inspections. Staff reviewed manifests for grease interceptor maintenance, inspected the interceptors, and discussed best management practices with management. There were 20 establishments with interceptors that were improperly maintained that were given 15 days to correct the deficiency. There were 15 facilities re-checked for non-compliance issues.

2. Commercial Pretreatment System Inspections

- Pretreatment staff performed 5 auto shop inspections. Oil/water separators were inspected for proper maintenance and waste hauling manifests are checked to ensure proper waste disposal. There were 5 facilities re-checked for non-compliance issues.

3. FROG Program Administration

- Pretreatment staff had a successful and mutually beneficial meeting with Brooks Grease management team to discuss grease interceptor maintenance and Broken Arrow's vision for the pollution prevention program.
- Pretreatment staff attended the Broken Arrow Homeowner's Association Workshop to speak with residents and provide information about water conservation and water quality.

Industrial Pretreatment Activities:

1. Self-monitoring reports received and reviewed for compliance

- Blue Bell –There was a monthly average and six daily maximum permit violations for “Bio-chemical Oxygen Demand (BOD)”. Blue Bell reported three spills during the month. They reported a total loss of 700 gallons of raw milk and 400 gallons of cream. Monthly surcharges for conventional pollutants above residential thresholds were calculated in the amount of \$35,139.54. Surcharges have been suspended until the consent order is complete and Blue Bell begins operation of a pretreatment system in May 2019. The purpose of the pretreatment system is to bring Blue Bell back into compliance with the wastewater discharge permit limits issued by City of Broken Arrow. Construction of the pretreatment system is complete, and Blue Bell is now testing the facility.
- Unifirst –No deficiencies were noted. Monthly surcharges for conventional pollutants above residential thresholds were calculated in the amount of \$2,525.48 and submitted to the Finance Department for billing.
- Mullin Plumbing –There was no discharge from the residential septic system dewatering station during this month. No self-monitoring was performed.
- Kum & Go 8001 S. Garnett- A discharge request was submitted by environmental consultant, Seneca Company, to release underground storage tank “ground water” into the City of Broken Arrow sanitary sewer system. These requests are submitted with laboratory analysis for gasoline range organics, benzene, toluene, ethylbenzene, and xylene. The laboratory analysis showed no deficiencies. The request was approved and the ground water was discharged to an onsite manhole.
- Flight Safety International– No deficiencies were noted.
- Comgraphx– No deficiencies were noted.
- Paccar Winch– No deficiencies were noted.

2. Pretreatment Program Administration

- Roshini Schroeder, Municipal Pretreatment Coordinator with DEQ, performed the Annual Pretreatment Compliance Inspections for Broken Arrow Municipal Authority and Regional Metropolitan Utility Authority at the Broken Arrow Pretreatment Office. DEQ will mail a report of the findings. Components of the inspection are as follows:
 - OPDES Permit-review of current permit for each wastewater treatment plant. DEQ checks to see that permit analytical requirements are being met. Specifically, that monitoring of the influent and effluent of each

wastewater treatment plant for priority pollutants is being performed correctly, at proper intervals and meets permit limits.

- Approved Pretreatment Program Document-DEQ reviews the document to see that the ordinance is being enforced and that the approved procedures are being properly implemented.
 - Technically Based Local Limit Study (TBLL)-DEQ reviews the document to see that industrial wastewater discharge permit limits are being applied correctly.
 - Enforcement Response Plan-DEQ reviews the document to see that the plan is enforced.
 - Lynn Lane Wastewater Treatment Plant-DEQ reviews the annual report that was submitted by the City and does a file review to confirm details listed in the report. The Blue Bell Creameries file was audited this year.
 - Haikey Creek Wastewater Treatment Plant-DEQ reviews the annual report that was submitted by the City and does a file review to confirm details listed in the report. The Comgraphx file was audited this year.
 - Pollution Prevention-DEQ asks about programs and procedures that are not federally mandated but necessary for reducing sanitary sewer overflows. City of Broken Arrow's pollution prevention efforts include: Food Handling Establishment Best Management Practices, Car Wash Best Management Practices, Automotive Shop Best Management Practices, community involvement and public awareness efforts.
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2. GENERAL CORRESPONDENCE / NOTIFICATION



PRESS RELEASE

Contact: Krista Flasch
Director of Communications
City of Broken Arrow
Phone: (918) 259-2400, ext. 5309
Mobile: (918) 409-7771

Reflection Park completes transformation from crime scene into memorial
Former Bever property honors victims, first responders

Broken Arrow, Okla. (3/25/19) – The City of Broken Arrow will cut the ribbon on its newest park facility at 2 p.m., March 27. Located at 709 Magnolia Ct., Reflection Park is dedicated to victims of the Bever family murders and the first responders at the tragic crime scene.

In 2017, private donors from Broken Arrow and throughout the Tulsa metro area gave \$50,000 to purchase the house, which was demolished after a fire broke out in the then vacant home. City Councilor Mike Lester led the successful fundraising campaign to turn the property into a memorial park and garden, after the brutal killing of five Bever family members in July 2015. Police arrested two brothers in connection with the crime.

After a tranquil gathering to mark the beginning of the project in May 2018, the City used mostly donated supplies and labor to construct a small walking path, garden and gazebo on the site, which connects to the City’s existing Indian Springs Mini Park behind the property.

“We can never erase the tragedy that occurred here, but we are making a statement with Reflection Park that we will not allow evil to define who we are and the high standards we hold as a community,” Lester said. “Thanks to the generosity of so many people in Broken Arrow and the metro area, we have built a place of peace and serenity.”

WHAT: Ribbon cutting for Reflection Park
WHEN: Wednesday, March 27 at 2 p.m.
WHERE 709 Magnolia Court, Broken Arrow

(Continued)

DONORS

Along with cash donations, several local companies and organizations have offered labor and materials to help construct the park. In addition to many individuals who donated anywhere from \$5-\$1,000, the following is a list of companies that have donated in various ways:

- Action Roofing
- Advertise Anything, Inc.
- Alaback Design Group
- Ark Wrecking
- B&B Lawn and Landscape
- Broken Arrow Fraternal Order of Police Lodge 190 Charities
- Case and Associates Properties, Inc. (Mike and Scott Case)
- Cherokee Pride Construction
- Davis Elliot Utility Contractors
- Dorwart Law Firm
- Ewing Irrigation Supplies
- Faith Assembly of God Church
- Greater Tulsa Association of Realtors & Northeast Oklahoma Real Estate Service (NORES)
- Hal Smith Restaurants
- Hunter Industries
- Indians Spring III Homeowners Association
- M&M Lumber Companies
- Magnum Construction, Inc.
- Oklahoma Canopies and Awnings
- QuikTrip
- Roses Incorporated
- Sanders Nursery – Berry Wholesale Nurseries
- Sherwin-Williams Commercial Paint Store: Tulsa-Commercial #4332
- Tulsa Community Foundation
- Waste Management Landfill
- White River Fish Market

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PRESS RELEASE

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Director of Communications
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Students, City officials plant trees for Arbor Day
The City has been recognized as a Tree City USA for 19 years

Broken Arrow, Okla. (3/26/2019) – The City of Broken Arrow will celebrate Arbor Day by planting nine trees at the Events Park. This celebration also recognizes the City of Broken Arrow’s 19th year as a Tree City USA.

Broken Arrow Mayor Craig Thurmond as well as several City administrators will plant the oak, elm and maple trees near the new Events Park playground with the help of about 20 students from Summit Christian Academy at 10 a.m., Thursday, March 28. The Events Park is at 21101 E. 101st St. and the playground is east of the main park entrance, near 215th East Avenue.

Broken Arrow was recently named a 2018 Tree City USA by the Arbor Day Foundation, recognizing the City’s commitment to effective urban forest management. Four requirements must be met to receive this distinction: a tree board or department, a tree care ordinance, an annual community forestry budget of at least \$2 per capita and an Arbor Day observance and proclamation.

“Tree City USA communities see the impact an urban forest has in a community first hand,” said Dan Lambe, president of the Arbor Day Foundation. “Additionally, recognition brings residents together and creates a sense of community pride, whether it's through volunteer engagement or public education.”

Trees provide multiple benefits to a community when properly planted and maintained. They help to improve the visual appeal of a neighborhood, increase property values, reduce home cooling costs, remove air pollutants and provide wildlife habitat, among many other benefits, according to the Foundation.

WHAT: Arbor Day Celebration
WHEN: Thursday, March 28 at 10 a.m.
WHERE: Events Park playground, 21101 E. 101st St. (East entrance, near 215th East Avenue)

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INTEROFFICE MEMO

To: Honorable Mayor and City Councilors
From: Jennifer Hooks, Community Relations Liaison
Date: March 29, 2019
Re: Recent News Articles

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

<http://www.newson6.com/story/40207426/new-broken-arrow-park-honors-victims-of-tragic-murder>

<https://www.publicradiotulsa.org/post/broken-arrow-dedicates-new-park>

https://www.tulsaworld.com/news/local/broken-arrow-city-officials-dedicate-reflection-park-after-bever-killings/article_bfc558fa-8666-5528-a6b6-025f2ec881c3.html

<http://www.newson6.com/story/40205253/broken-arrow-residents-graduate-citizen-police-academy>

Respectfully submitted,

Jennifer Hooks