

**To:** Honorable Mayor and City Councilors  
**From:** Russell Gale, Acting City Manager  
**Date:** July 5, 2019  
**Re:** Notes to Council

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

- Streets and Stormwater Monthly Report – June 2019
- Utilities Department Monthly Report – May 2019

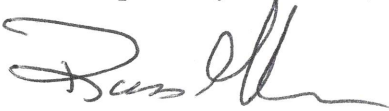
### **2. GENERAL CORRESPONDENCE / NOTIFICATION**

- Press Release – Nature Center celebrates 10 years
- Community Development Department memo
- Museum Broken Arrow Newsletter

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

- N/A

Respectfully submitted,



Russell Gale

clm  
Attachments

## 1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION



# Street & Roadside Maintenance

## Monthly Report 6/2019

Job	Monthly Total
Street Service Calls (Not covered by other categories)	108
Pothole Patches	501
Dura Patch Holes	0
Major Street Repairs (SY)	285
Signs Repaired	240
New Signs Installed/Replaced	43
Signs Fabricated	188
Streets Painted (LF)	13,694
Arrows Painted	20
ONLY'S	0
Intersection/Crosswalk Marking	29
Drop Inlets Cleaned	0
Tree Removal/Trimming	265
Crack Sealing (FT)	0
Manholes Raised	0
R.O.W Signs	0
Streets Paved (SY)	0
24 Hour Traffic Counts	1
12 Hour Speed Surveys	0
Traffic Calming Signs Posted	0
Traffic Calming Areas Painted	0
Speed Bumps Installed	0
Speed Bumps Removed	0
Speed Bumps Painted	0

Stormwater Maintenance  
Monthly Report 06 /2019

Job	Monthly Total
Street Sweeping (miles)	83
Mowing ROW (miles)	228
Mowing Special Projects	0
Weedlot Abatement	0
Tree Removal / Trimming	1
Spraying	13
Signs Removed from ROW	0
Stormwater Service Calls (not covered by other categories)	7
Barricades Repaired	0
Bar Ditch Repairs / Cleaning (LF)	2000
Creek Cleaning(LF)	0
Culverts Cleaning	4
Storm Sewer Sinkholes	0
Storm Sewer Installed (LF)	56
Drop Inlets Cleaned	0
Drop Inlets Repaired	4
Junction Box Repairs	4
Storm Drain Grates Replaced	0
Storm Drain Hood Repaired/Replaced	0
Concrete Street Repairs (SF)	0
Sidewalk Repairs (SF)	290
Curb and Gutter Repairs ( LF)	18
French Drains	0
Backfill or Spread Topsoil	7
Saw Cut Curb & Gutter	0
Driveways & Approaches (SF)	325
Vertical Walls & Headwalls	0
Mobile Cement Truck (CY)	0
Hydro Mulch	0

Sod Layed (SF)	0
Special Pickup	0
Storm Damage	0
New Inlets & Junction Boxes	0
Wheelchair Ramp	0
Flow Filled Pipes	0
Manholes Raised	0
Metal Hoods Raised	0
Log Jams	0
Surface Drains Installed	0
Pads (SF)	0
Brush Loads	224
6 X 6 Boxes	0
Raised Manhole Rings	0
Floor (SF)	0
Control Pods	0
Concrete Swell	0
Spilled Cleaned	0
Beaver Slides	0
Econ blocks (9 per set)	0
Rip Rap tons	72
Graffiti removal	0
Concrete parking lots (SF)	0
Bar Ditching (miles)	0
Creek Cleaning	0
Bridge Cleanout	0
Weedeat	0
Guardrails (ft)	0
Ag-Base	3
Footings	0
Dog Kennel Pads Poured sq ft	0
Pipe Joints Patched Repaired	5
Signal Pedestals (sq ft)	0
Lids (sq ft)	0
Storm Drain Joints Crawled and Repaired	0
Mailbox repairs	0
1 1/2 road rock	0

spoils	8
top soil	4
3/8 chips	2
clean out bay	0

# Traffic Signal Maintenance

## Monthly Report 06/2019

Job	Monthly Total
Traffic Signal service/repair calls	84
School Signal service/repair calls	0
Civil Defense Sirens	23
Electrical/ street lights other	9
Stanby calls	7
Backlog work orders	16
Backlog PM Inspections	115
Project TS1911	104

**To:** Michael Spurgeon, City Manager  
**From:** Charles Vokes, Utilities Director  
**Date:** July 3, 2019  
**Re:** Utilities Department Monthly Report – May 2019

	<b>May 2019</b>	<b>May 2018</b>
<b>Water Treated, Purchased and Distributed</b>		
Water Purchased from Tulsa	5.2 MG	0.3 MG
Water – Produced at Verdigris WTP	<u>293.1 MG</u>	<u>396.4 MG</u>
Total	298.3 MG	396.7 MG
<b>Wastewater Treated</b>		
Lynn Lane Plant	187.2 MG	136.7 MG
Haikey Creek Plant flow from BA	<u>244.4 MG</u>	<u>182.4 MG</u>
Total	431.6 MG	319.1 MG
Haikey Creek Plant flow from Tulsa	268.9 MG	192.2 MG

**LLWWTF Summary-**

**David Handy, Plant Manager**

1. Moved Fermenter from splitter box to South Digester
2. Removed water from sump hole in blower room
3. Removed bad motor from screw pump No. 3 and replaced with new motor
4. Electrician wired switch for screw pump No. 2 and wired new motor on screw pump No. 3
5. Received one chlorine cylinder
6. Place (1) 8-inch and (3) 6-inch pumps by contact basin in the event of flooding
7. Hooked up full coagulant tote
8. Filled and placed sandbags in the event of flooding
9. Repaired scum pump in RAS building
10. Repaired FEB pump
11. New bar screen and grit snail is now in operation
12. Installed new AC in RAS electrical room
13. Worked on contacts on Transport room air compressor
14. Repaired backflow preventer valve in Belt Press room
15. Replaced pressure switch on air compressor in Transport building
16. Washed down clarifier
17. Received full chlorine cylinder
18. Moved effluent sampler back to effluent structure at discharge stream
19. Worked on blowing out thickener lines
20. Cleaned up in blower room and upstairs RAS room
21. Moved influent sampler to splitter box



## **Utilities Distribution/Collections Maintenance Summary**

### **Water Distribution-Travis Schemonia, Water Supervisor**

1. New taps and meters-41
2. Line locates-818
3. Meters replaced-6
4. Meters replaced for AMR project-70
5. Registers replaced for AMR-111
6. Meter and valve boxes repaired/replaced-22
7. Meter boxes replaced for AMR project-7
8. Meter leak repairs-8
9. Water leak calls-26
10. Distribution main leak repaired-7
11. Curb stops replaced-8
12. Valve truck crew exercised 68 valves for the month, bringing the total to 226 for 2019
13. Water system service requests-107
14. Cleaned and restored yards after water line repairs-43
15. Fire hydrants replaced-1
16. Fire hydrants repaired-0
17. Main lines flushed to address water quality issues-12
18. Valves repaired-0
19. Service crossings installed-0
20. Flushed dead end lines at 39 locations
21. Eleven water quality concern calls-527,820 gallons flushed
22. Total gallons flushed to improve water quality-estimated 7,983,403 gallons
23. Mowed all water towers
24. Filled and placed sandbags around Indian Springs lift station and Water Plant

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

#### Lines-

1. Service request calls-54
2. Sewer line locates-109
3. Sewer line blockages relieved-9
4. After hour calls-27
5. Manholes cleaned/raised/repared-2
6. Sewer lines cleaned-3,417 ft.
7. Sewer lines repaired/replaced/installed-10 ft.
8. Sewer lines root cut-0
9. CCTV inspections done-1,853 ft.
10. Sinkholes-0
11. Sanitary Sewer Overflows (SSO's) reported to ODEQ-28
12. Cleaned and restored yards after sewer line repairs-15

#### Booster and Lift Stations-

1. Routine station visits (29 lift stations and 4 booster stations)-350
2. Check valves/pumps cleaned at stations-10
3. Groundskeeping-0
4. Booster station calls-0
5. Wet wells cleaned-1
6. Pump station maintenance and repairs-9
  - Adams Creek North-replaced flapper valve in pump #2A

- Adams Creek North-rebuild pump #1B and 3A
- ISSC-replaced flapper on #2 pump
- The Greens-replaced flapper valve in pump #1
- Adams Creek North-replaced pressure gauge in pump #2B
- Homeland-replaced vacuum pump in pump #2
- Lakeside Villas-replaced priming rod
- Homeland-replaced vacuum bowl
- Animal Shelter-replaced suction lines
- Adams Creek North-pulled all motors to be dried out after flooding event

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

1. Replaced meters-171
2. Placed door hangers for bad checks-48
3. Turn Ons for nonpayment-113
4. Turn Offs for nonpayment-83
5. New account service initiated-611
6. Accounts finalized-612
7. Meters read-38,962
8. Rereads/leak tests-122
9. Misreads verified-19
10. Boxes replaced-3
11. Met with residents to discuss their high bill/water usage concerns-0
12. AMR Project
  - Retrieved water use history from AMR radio devices and provided the 90 day graphs to the customers-5
  - AMR registers-302
  - AMR meter body-132
  - Dead AMR registers replaced-5
  - Meter boxes replaced-35
  - AMR antennas replaced-4
  - Risers replaced-28
  - Curb stop replaced-0
  - UME chambers-5

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

1. Angus Acres water line project (W/L 1902)-cleaned up, dirt work, concreted inline, branch and hydrant valves. Sodded 19,500 sq.ft.
2. 131<sup>st</sup> & Gardenia water line project (W/L 1901)-installed 500' of 12" C-900 water pipe, 2 hydrants and 3 valves. Had to shut down job due to large amount of rain and flooding.
3. Assisted water division with clean ups
4. 115<sup>th</sup> & County Line Road-worked on sewer line
5. Indian Springs lift station-place sandbags around lift station
6. Quinton & 154<sup>th</sup>-8" water line and sewer line washed away due to flooding. Repaired sewer line
7. North Broken Arrow-checked manholes during days of heavy rain
8. Line locates-35
9. Old Town-helped with tornado clean up

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

1. Tested chlorine levels near auto flushers to verify all are working-18 (2 were not working)

2. Bac-T samples collected-100
3. Collected 2 chlorine samples (am/pm) daily-60 total
4. Distribution system-352 onsite 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. Installed low bay led light in maintenance hallway
2. Calibrated and bump tested both MX4 air monitors
3. Tested all eye wash/shower stations
4. Finished plumbing and commissioned membrane filtrate pH probe May 23<sup>rd</sup>
5. Installed new brine pump on hypochlorite generation unit #2
6. Acid cleaned all three hypochlorite generation units
7. Replaced leaking union O-ring on hypochlorite generation unit #1
8. Corrected #2 softened water solenoid issue in hypochlorite generator room
9. Adjusted all three brine clamps on hypochlorite generators
10. Installed new three way brine control solenoid valve on hypochlorite generator unit #2
11. Reconnected ¼" water supply tubing on soften water solenoid #2
12. Wired in DC coil input voltage on softened water solenoid relay #2 and tested solenoid operation
13. Fixed oil leak on Atlas Copco air compressor
14. Flushed fluoride containment area
15. Rinsed off sodium hydroxide and sodium hypochlorite feed panel
16. Modified aluminum bracket for pH probe
17. Installed new motor on blower after cooler B
18. Installed new filters on hypochlorite generators and brine system
19. Rinsed floor and squeegeed hypochlorite generator room
20. Installed new buoys at raw water
21. Installed new surge protector on Tiger hill level transmitter, validated tank level with pressure gauge
22. Changed fuse on decant #1 pump indication
23. Pumped the water out of west basin chemical vault and vault 4
24. Replaced A/C input card in high service PLC cabinet
25. Replaced ABB controller module on decant pump station flow meter
26. Installed new Yaskawa VFD on hypochlorite metering pump #1
27. Installed two sump pumps inside the power transformer sand bagged area at raw water pump station
28. Replaced tubing on racks #8, #9 and #10 turbidity meters
29. Installed and programmed new touch screen on #4 sludge removal control system
30. Cleaned pre-treatment trains #1, #2, #3, #4
31. The Water Plant conducted 3,252 analysis for the month
32. Conducted tour for Bishop Kelley High School students

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

#### **Fats, Rags, Oil & Grease (FROG) Program Administration**

- The Pretreatment Coordinator attended the Central States FOG Alliance Committee Meeting in Siloam Springs, AR as the Oklahoma representative. The Alliance is being formed between Arkansas, Missouri, Kansas, and Oklahoma to provide semi-annual training for fats, oil, and grease program managers across the region as well as a biennial regional conference to be held in a member city. The committee is in the process of creating bylaws and a mission statement and will formally register the group.

Committee members are from the cities of Bentonville, AR, Fort Smith, AR, Rogers, AR, Little Rock, AR, Siloam Springs, AR, Springfield, MO, St. Joseph, MO, Kansas City, MO, Wichita, KS, and Broken Arrow.

- Letters were mailed to 9 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. Self-monitoring 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 \$14,155.94. 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 \$787.97 and submitted to the Finance Department for billing.
- Mullin Plumbing –Zinc was reported at 7.76 mg/L which is a violation of Broken Arrow Wastewater Discharge Permit No. BA026. The daily maximum for zinc is 5.0 mg/L. A notice of violation was issued to Mullin Plumbing on May 30<sup>th</sup>.
- Paccar Winch– No deficiencies were noted.
- Russelectric – No deficiencies were noted.
- Comgraphx/Communication Graphics – Significantly non-compliant for failing to perform laboratory analysis in April as required in City of Broken Arrow Wastewater Discharge Permit No. BA027. Comgraphx’ non-compliance status is required to be published in the Tulsa World by October 31, 2019 per Regional Metropolitan Utility Authority Oklahoma Pollutant Discharge Elimination System Permit No OK0034363. A notice of violation will be issued.

## 2. GENERAL CORRESPONDENCE / NOTIFICATION



**PRESS RELEASE**

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

**Nature Center celebrates 10 years**  
*A community party is planned Saturday, July 6*

**Broken Arrow, Okla. (7/3/2019)** – The Ray Harral Nature Center will celebrate its 10<sup>th</sup> anniversary this month with a community part on Saturday, July 6.

From noon-2 p.m., the Nature Center, 7101 S. 3rd St. behind Spring Creek Elementary, will have cake and refreshments for visitors, as well as outdoor activities.

“We hope everyone can come out and enjoy the Nature Center this weekend,” said Center Supervisor J.T. Darling. “Whether you’re a long-time lover of the park or a new visitor discovering this hidden gem of Broken Arrow, we have something for everyone who likes the outdoors at Ray Harral.”

While the park itself is much older, the 3,300-square-foot Nature Center itself opened in 2009. Inside the center features a bearded dragon lizard, a ten year old tarantula, multiple tree frogs, and a large turtle exhibit with two live box turtles. Visitors can also learn about honeybees and other Oklahoma animals through hands-on exhibits. A party room is also available to rent for meetings, parties and other occasions. The 40-acre park grounds feature two picnic shelters and three miles of walking or jogging trails.

The park was named for Ray Harral, the assistant city manager at the time of his death in 1984. Harral had a reputation of being committed to leisure activities and parks facilities. He helped design and develop the Indian Springs Sports Complex. Harral was also a retired Highway Patrol officer. The Nature Park was under development when he died, so the City Council at the time chose to name it for him.

**What:** Community Party  
**When:** Noon-2 .m., Saturday, July 6  
**Where:** Ray Harral Nature Center  
7101 E. 3<sup>rd</sup> St. in Broken Arrow  
(121<sup>st</sup> St. behind Childers and Spring Creek schools)

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*INTEROFFICE MEMO*

**To:** Honorable Mayor and City Councilors  
**From:** Larry Curtis, Acting Director of Community Development  
**Date:** July 5, 2019  
**Re:** Community Development updates

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The following updates are being provided to the Council for review:

1. The Permitting and Licensing Division sold 2,169 fireworks permits this year in comparison to 1,829 permits last year.
2. Riverview Apartments (Proposed development south of Indian Springs Apartments) has submitted a minor amendment to their approved PUD to modify the fencing requirement along Aspen. They will be installing additional landscaping and changing the fence from an opaque fence to a column and wrought iron fence. This is an upgrade from the zoning ordinance requirement of an opaque (wooden) fence. Minor amendments are submitted to only the planning commission for approval and notice is sent to property owners that abut the property.

Respectfully submitted,

Larry Curtis



*Happy 4th of July from The Museum BA*

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“

I s h o w e d

the America I knew and observed to  
others who might not have noticed.”

—Norman Rockwell

The original Norman Rockwell Rosie the Riveter is a part of the permanent exhibit at Crystal Bridges  
Museum of American Art in Bentonville, ARK

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## Upcoming Events:

*July*

4th & 5th MUSEUM CLOSED

9th Genealogy Meeting 7PM

(Cathleen Hall, Using the LDS Free Family Search Website)

11th LTAIO Book Club, *The Glass Castle* 6:30 PM

11th Thursday Night Open Late 4-8PM

13th-Aug. 24th Katie Pernu Exhibit

18th Thursday Night Open Late 4-8PM

20th FREE ADMISSION (Anonymous Sponsor)

25th Thursday Night Open Late 4-8PM

*August*

1st Katie Wheat Pernu Opening Reception 6-8pm

1st Thursday Night Open Late 4-8PM



8th LTAIO Book Club, Wonder 6:30PM  
8th Thursday Night Open Late 4-8PM  
15th Thursday Night Open Late 4-8PM  
22nd Potluck, 3rd floor at 5:30PM  
22nd Thursday Night Open Late 4-8PM  
29th Thursday Night Open Late 4-8PM

# Katie Wheat Pernu

## Glass Mosaics

ON EXHIBIT JULY 13-AUGUST 24

Opening Reception Thursday, August 1st 6:00-8pm

400 S. Main Street

BARBARA BROWN KIMBROUGH EXHIBIT HALL

theMUSEUM  
BROKEN ARROW



### Meet the Artist:



For over 20 years, Katie was a full-time art teacher who also worked as an artist. In 2015, she embarked upon an important shift by becoming a full-time professional artist who also teaches. She holds a degree in Art Education from Northern Arizona University and achieved National Board Certification as an art teacher.

Working predominantly in glass and mixed media mosaic, she has recently completed a series based on ordinary people who have faced adversity with grit and guts and done amazing things.

In addition, Pernu has been focusing as much on the reflectivity of glass as on its transparency in her recent works. It is not an accident that so much of her work is created on vintage and antique surfaces. She is a product of a family who reused, repaired and passed down items touched by those who came before. These items have a sense of history that Pernu finds comforting.

Her largest commission is housed in the administration building of Northeastern State University – BA. In addition, she had two pieces commissioned for the Paris Air Show and has many works based on flight, nature and spirituality installed in homes and businesses across the United States.



NARM Members: Have you  
made a trip to Bentonville,

Arkansas yet?? Crystal Bridges Museum does NOT disappoint! The main exhibit is always free for all visitors. However, if you are a Museum Broken Arrow member at the NARM level, you receive free admission to Crystal Bridges special exhibits and their Frank Lloyd Wright house tour! [Click here to see what special exhibits are "On View" currently.](#)



Andrew & Harper Brown enjoying the Crystal Bridges Frank Lloyd Wright house tour.

# Save the Date!

THE GRAND EVENT,

## A NIGHT FOR THE MUSEUM!

NOVEMBER 1, 2019



Displayed in our entry hall. On loan until September 1, 2019

**\*\*NEW\*\***

This piece is a must see! These items once belonged to Iron Tail, an Oglala Lakota Chief. Iron Tail was a friend to Buffalo Bill, Pawnee Bill and the Miller Brothers, performing in their Wild West Shows during the late 19th and early 20th centuries. His image is most known for being used on the Buffalo Nickel, introduced in 1913.

[Pawnee Bill Ranch and Museum](#) will be holding their annual Wild West Show, July 28th.



## Annual Historical Society Picnic



Happy birthday to Dr. Oliver! He turns 90 years old this month. Thank you to everyone who made it to the Annual Picnic this year. Pauline's Cherry Pie and the reunited friendships were the highlight, as well as a little birthday cake celebration for Dr. Oliver! A BIG thank you to Kenny Collins for being this years grill master:)



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ns to Broken Arrow's Oscar "Junior" Nipps for receiving his overdue medals, including the Bronze Star Medal! Mr. Nipps is an avid volunteer at the Military History Center and a real joy to visit with. Stop by and see him sometime at TMHC 112 North Main in Broken Arrow, OK 74012.

### 3. SPECIAL EVENTS / ACTIVITIES

