

To: Honorable Mayor and City Councilors
From: Michael Spurgeon, City Manager
Date: June 2, 2017
Re: Notes to Council

1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION

- Utilities Department Monthly Report - April 2017

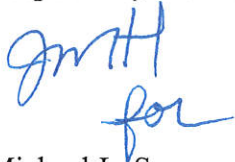
2. GENERAL CORRESPONDENCE / NOTIFICATION

- Press Release – Work on Oneta Road and Midway Road to begin in June
- Press Release – Drivers Urged to Be Alert for Cyclist Participating in Tour De Cure
- Memo – Street Resurfacing of Omaha from Kenosha to Houston

3. SPECIAL EVENTS / ACTIVITIES

- Special Event - Margaret Hudson Program – All Stars Basketball Game

Respectfully submitted,



Michael L. Spurgeon

gk
Attachments

1. STAFF REPORTS / ITEMS REQUIRING IMMEDIATE ATTENTION



INTEROFFICE MEMO

To: Michael Spurgeon, City Manager
From: Anthony Daniel, Utilities Director *AD*
Date: May 26, 2017
Re: Utilities Department Monthly Report – April 2017

	April 2017	April 2016
Water Treated, Purchased and Distributed		
Water Purchased from Tulsa	0.7 MG	0.9 MG
Water – Produced at Verdigris WTP	<u>293.1 MG</u>	<u>303.6 MG</u>
Total	293.8 MG	304.5 MG
 Wastewater Treated		
Lynn Lane Plant	134.5 MG	132.6 MG
Haikey Creek Plant flow from BA	165.4 MG	153.0 MG
Haikey Creek Plant flow from Tulsa	207.7 MG	218.0 MG

**LLWWTP Maintenance Summary-
David Handy**

1. Adjusted Emergency Callout float on north and south barscreen.
2. Repaired chlorine #2 regulator with new O-rings and inlet capsule.
3. Repaired LCD screen on generator #8 (south).
4. Constructed new workbenches in new Maintenance Building.
5. Moved in to Maintenance Building.
6. Installed “JOG” switches on the north and south barscreen control panels.
7. Rebuilt belt press feed pumps.
8. Installed backflow preventer at the Sludge Transport Building.
9. Grit Classifier parts arrived, work is being scheduled.
10. Replaced relay to sodium bisulfite pump.
11. Repaired seam and replaced proximity switches on west belt press.

**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 performed 48 food handling establishments (FHE) inspections in the month of April. Staff inspected manifests for grease interceptor (GI) maintenance, looked at GI, and discussed best management practices. FHEs with improperly maintained GI have been asked to have it pumped immediately. Re-checks are done for non-compliance issues. There are a total of 273 GI in service in Broken Arrow.

2. FOG Program Administration & Sanitary Sewer Overflows (SSO) Response:

- Pretreatment staff have been going door to door in neighborhoods that have grease-related sanitary sewer overflows and handed out cooking oil recycle bottles, recycling instructions, and FOG pollution prevention brochures. We visited 240 homes this month.
- Staff make weekly stops at the Reasor's cooking oil recycle station on Elm St. to ensure that residents are able to use the facility. We were having trouble with the screen in the receiving bin getting clogged. We have been monitoring the station closely and Brooks Grease is emptying the recycle bin more frequently.
- Broken Arrow pretreatment staff was asked to participate in a series of FOG seminars hosted by DEQ. The seminars are meant to assist smaller communities in developing procedures to control FOG discharges in their collection system. The first seminar was on April 27th at the Great Plains Technology Center in Lawton. Broken Arrow staff presented the steps that went into starting Broken Arrow's program such as; an initial survey, database development, paper file system, GI maintenance inspection form, best management practice development and SSO tracking procedures.

Industrial Pretreatment Activities:

1. Industrial Pretreatment Program Administration:

- Pretreatment staff collected sludge samples from LLWWTP for analysis. The samples are for total metals, pesticides, PCBs, herbicides, volatile and semi-volatile organics. This analysis is needed to calculate technically based local limits when the new Oklahoma Pollutant Discharge Elimination System (OPDES) permit is issued. Once the permit is issued, the City has 12 months to calculate these limits or 60 days to certify that the current limits are adequate.
- Staff met with Baker Hughes Environmental Health and Safety Coordinator to assist him with filling out the wastewater permit application they requested. Baker Hughes would like to begin discharging process wastewater from their non-destructive testing line.
- Staff attended the quarterly RMUA meeting to provide an update on pretreatment activities for the Haikey Creek Wastewater Treatment Plant.

2. Compliance monitoring reports and laboratory analysis:

- Unifirst compliance monitoring report including laboratory analysis was received and reviewed. No deficiencies were noted. Surcharges were calculated in the amount of \$4,983.33 and sent to finance for billing.
- Lynn Lane Wastewater Treatment Plant influent and effluent priority pollutant scan laboratory analytical results were received and reviewed. No deficiencies were noted.
- Russelectric compliance monitoring report and laboratory analysis were received and reviewed. No deficiencies were noted.
- Blue Bell compliance monitoring report and laboratory analysis were received and reviewed. 2 BOD violations and 1 oil & grease violation were reported. Blue Bell included the proper notification forms with the report.
- Gruv-N-Gasket compliance report was received and reviewed. No deficiencies were noted.
- Seneca Environmental laboratory analysis from Kum & Go 81st & Garnett was received and reviewed. The report was for ground water pumped out of the underground storage tank. No deficiencies were noted. Discharge was approved.

- Broken Arrow Landfill/Republic Services monitoring report was received and reviewed. Their environmental contractor, Terracon, failed to pull a sample for the January to March quarter. They caught the mistake and pulled a sample on 4/4/17. The laboratory analysis had no deficiencies. A notice was mailed to Republic Services and Terracon on 4/17/17 stating that quarterly sampling was missed, and that a re-test had been performed and was received by the City of Broken Arrow with no deficiencies. They were asked to sample again in the quarter of April to June to continue the normal quarterly sampling schedule.
- Seneca Environmental laboratory analysis from Kum & Go 61st & Lynn Lane was received and reviewed. There were no deficiencies. Discharge was approved.
- PACCAR Winch compliance monitoring report and laboratory analysis was received and reviewed. No deficiencies were noted.

3. Industrial User Survey Inspections:

City pretreatment staff inspected 7 industrial sewer users in the month of April as a part of the 5-year, comprehensive survey as is required by DEQ. The purpose of the survey is to determine compliance with the sewer use/pretreatment requirements that are outlined in Chapter 24, Article V of the Broken Arrow Municipal Code. Staff is looking at industrial processes that have waste streams to determine if a permit is necessary and are focusing on chemical storage as well and hazardous/waste disposal manifests. The information gathered will be added into the industrial user database.

UTILITIES DISTRIBUTION/COLLECTIONS MAINTENANCE SUMMARY WATER DISTRIBUTION – Jerry Hanewinkel

1. New Taps and Meters set-32
2. Responded to 505 Call Okie Line Locates
3. Replaced 33 meters
4. Repaired or Replaced 45 meter boxes and valve boxes
5. Meter leak repairs done-13
6. Responded to 39 water leak calls
7. Distribution Main Leaks repaired-6
8. Replaced 8 Curb Stops
9. Valve truck crew exercised 78 valves for the month, bringing the total to 369 for 2017
10. Installed 2 service crossings
11. Responded to 47 water system service requests
12. Fire Hydrants Repaired-11
13. Fire Hydrants Replaced-2
14. Cleaned and restored 8 yards after water line repairs were done
15. Flushed 41 main lines for water quality issues
16. Repaired 1 isolation valve
17. Checked 18 auto flushers
18. Auto Flushers Reprogrammed-3

SEWER COLLECTION- David Marlow

1. Service requests calls-51
2. Sewer line locates done-72
3. Sewer line blockages-11
4. Stand-by and night crew responded to 29 sewer calls
5. Manholes cleaned /raised/repaired-12

6. Sewer line cleaned-3,110 ft.
7. CCTV 613 ft. to locate problems/defects in the sewer line as a follow up to the SSO
8. Sewer lines root cut-569 ft.
9. Sinkholes inspected/repared-5
10. Smoke tested sewer lines at 1 location
11. Clean ups done at 20 locations after repairs to sewer lines were done
12. Sanitary Sewer Overflows (SSO's) reported to ODEQ for the month of April-14

BOOSTER AND LIFT STATIONS

1. Routine station visits (31 lift stations and 4 booster stations)-330
2. Check valves/pumps cleaned-27
3. Wet wells cleaned-6
4. Grounds keeping (cut grass/trim trees/weed & pest control)-12
5. Booster station emergency calls-2
6. Lift station repairs done-11
 - Greenbriar-replaced thermostat in space heater
 - 209th-pulled bypass hose and re-primed #2 pump
 - Old Adams Creek-working on building ramp for Vac truck to holding pond
 - Cambridge-replaced #1 probe bowl
 - Turnberry-pulled probes, cleaned and replaced defective parts
 - Adams Creek NW-replaced and reset timer switch
-VFD not working, called AEI and reset
 - ISSC-replaced steps
 - Grey Oaks-pumped station down & took it off line. Station is decommissioned.
 - Battle Creek-replaced VFD
-rechecked VFD, transducer is bad, ordered part

METER READING – Derriel Bynum

1. Replaced Meters-41
 2. Placed Door Hangers for bad checks-44
 3. Turn Ons for nonpayment-240
 4. Turn Offs for nonpayment-312
 5. New Accounts-455
 6. Finals-471
 7. Read 37,756 Meters for the month of April 2017
 8. Construction Meters Set-4
 9. UME Chambers replaced on large meters-22
 10. Rereads/Leak Tests-92
 11. Meter boxes replaced-10
 12. Misreads-18 verified
 13. Met with residents to discuss their high bill/water usage concerns-10
 14. Meters pulled-110
 15. Meter resetter installed-2
- AMR PROJECT-**
- Retrieved water use history from 10 AMR radio devices and provided the 90 day graphs to the customers.
 - Total number of AMR meters installed to date-9,398
 - AMR register only installed-181
 - AMR register with meter installed-40

UTILITIES CONSTRUCTION – Tommy Kimbrough

1. Water Line Project (WL1701)-installed 1460' of C-900 water pipe
 - fire hydrants replaced-4
 - water taps installed-10
 - pressure tested and chlorinated
 - Bac-T sampling completed
2. OOWA line locates done-5
3. Valves replaced/repared-16
4. Meter box replaced/repared-10

WATER QUALITY- Diana Flora

1. Flushed dead end water lines at 38 locations.
2. Tested chlorine levels near auto flushers to verify all are working, 18 total.
3. 14 dirty water calls, 105,965 gallons of water flushed to improve water quality.
4. Collected 100 Bac-T samples and 2 chlorine (am/pm) daily for the month.
5. Distribution system-12 parameter testing at 13 locations every two weeks.
6. Total gallons flushed to improve water quality in April; 4,107,215 gallons.

VERDIGRIS WTP – Jimmy Helms

1. Cleaned all plate settler areas and equalization basin in pretreatment basin
2. Replaced sludge drive cables on all four trains
3. Replaced broken bolt on pulley bracket on Train #3 sludge drive
4. Replaced pneumatic shut off valve on rack #7 of membrane unit
5. Rebuilt old pneumatic shut off valve on rack #7 of membrane unit
6. Installed new eye wash / shower station in Lab
7. Installed new eye wash / shower station in the chemical room near fluoride bulk tank
8. Replaced 4 air relief valves in the CIP room
9. Replaced 1 air relief valve in pipe chase on CIP drain
10. Installed new media in brine tank and placed it in service
11. Changed oil on all 12 flocculators on pretreatment basin
12. Greased all 12 flocculators on pretreatment basin
13. Repaired leaks on Sodium Hydroxide feed panel and replaced two valves
14. Recalibrated Equalization Basin level indicator
15. Replaced Diodes in chlorine generator Rectifier #3
16. Replaced bad cell from master generator with a cell from slave two until new one arrives
17. Troubleshoot / repaired hardness monitor
18. Cleaned and recalibrated hardness monitor and replaced missing stir bar
19. Cleaned all stuck check valves and flushed all the piping on the brine lines for the water softening tanks
20. Replaced water flow control meter on chlorine generator slave one
21. Replaced air relief valve on membrane feed pump #3
22. Replaced a communications card on chlorine transfer pump B
23. Rotated cells in all three hypo generation units
24. Attended Utilities 5-year / 7-year Plan meeting
25. Attended Utilities Director weekly staff meetings
26. Attended Tiger Hill tanks, project scoping meeting

27. Attended Texas Water 2017 conference in Austin, TX
28. Interviewed Tulsa Technology Center Intern
29. Attended meeting at the City of Tulsa's AB Jewel Water Treatment Plant to look over their pre-treatment basins
30. Participated in the AWWA webinar at water treatment plant "Chloramine Residual Management"
31. Stocked the two pre-sedimentation basins with tilapia
32. Met with Dr. Choudhury & Kyle Kruger of Garver Engineering
33. Conducted tour of water treatment plant for Bartlesville technology students & Councilor Parks

ASSISTANT DIRECTOR-Barney Campbell

MEETINGS

- Utilities Staff meetings
- Utilities 5 year/7 year Utility Plan
- Tiger Hill Water Tank Rehab Project
- Pre-bid for Tank Mixing Project and site visit
- Stark Building Pre-Construction meeting
- O & M Budget Hearing
- CIP Budget Review
- AWWA Webinar on Chloramine at WTP
- Water line Project W/L1701 4th St CDBG

DEVELOPMENT PLAN REVIEWS

- BAPS Freshman Academy Expansion
- Take Five Oil Change
- Cotton Patch
- Kum & Go 51st & 145th
- Lynn Lane Self Storage Phase II

DIRECTOR'S REPORT – Anthony Daniel

1. Attended the weekly City Manager's leadership meetings.
2. Participated in the weekly Asst. Manager of Operations staff meetings.
3. Conducted the weekly Utilities Department staff meetings.
4. Attended the scheduled City Council and BAMA meetings.
5. Met ODEQ permit writer at LLWWTP for follow-up plant visit as part of the OPDES permit renewal process.
6. Participated in the meeting with E & C staff to jointly review the 5 year/7 year utility projects.
7. Met with GIS coordinator, Asst. Fire Chief and Meshek Associates personnel to discuss set up and training costs for reporting/logging fire hydrants exercised by Fire Department personnel.
8. Participated in a webinar, "Workforce Development: An overview of key components."
9. Utilities Construction Division staff and I met with E & C project engineer to plan the expedited construction of the CDBG water line along 4th Street.
10. Joined Tulsa staff in a progress meeting with consultants for the Haikey Creek (HCWWTP) Aeration Basin Project. Reviewed the 70% design and current project cost estimate.
11. Attended the monthly RMUA operations committee meeting with Tulsa staff at HCWWTP to review O & M activities for the month of March 2017.

12. Attended the project scoping meeting with consultant and E & C staff. Identified project is the refurbishment of the west tank on Tiger Hill.
13. Participated in the second round of FY18 Budget review process to discuss the CIP requests for the respective divisions.
14. Participated in several teleconferences with Clevest (vendor) on the AMR mass meter change-out software. City staff (IT & Utilities) joined Sungard rep to discuss project progress and resolve any identified issues.
15. Participated in the 90% design review meeting with E & C staff, HDR reps and LLWWTP plant staff to go over the specs and drawings for the new headworks building.
16. Attended the Economic Development Project meeting.
17. Met with HR staff to discuss a personnel issue.
18. Met with E & C project manager on the proposed improvements for the Kenwood Hills Booster Pump station.
19. Attended the projects review meeting at City Hall.
20. Attended the special RMUA Board meeting at Tulsa City Hall for award of construction projects, for operations update and Pretreatment progress report.
21. Attended the AWWA webinar, "Chloramine Residual Management" at the WTP.
22. Met councilor J. Parks and students from Bartlesville Technology Center for a tour of the WTP.
23. Attended the mandatory prebid meeting for the four ground storage tanks mixing project.

FUTURE PROJECT TO DO LIST: NONE

2. GENERAL CORRESPONDENCE / NOTIFICATION



PRESS RELEASE

Contact: Mary McAtee
Digital Content Specialist
City of Broken Arrow
Phone: (918) 259-2400 x 5449
Email: mmcatee@brokenarrowok.gov

Broken Arrow Crews to Fix More Streets
Work on Oneta Rd. and Midway Rd. will begin in June

Broken Arrow, Okla. (6/2/17) – The City of Broken Arrow Streets and Stormwater Department will be working on two projects in the eastern part of Broken Arrow starting in June.

During the week of June 5, crews will repave Oneta Road (241st East Avenue) between Houston (81st) Street and Kenosha (71st) Street. The project is expected to last approximately seven to ten days with stop and go traffic. Flaggers will be present to stop and release traffic. There is a chance the road will be periodically closed, if there are safety concerns. If closures occur, traffic will be detoured as necessary. Voters approved this project as part of the 2014 General Obligation (GO) bond package and costs about \$85,000.

After the Oneta Road repairs are complete, crews will begin working on Midway Road (257th East Avenue) between Streater Drive and Houston (81st) Street. This project is scheduled to begin the week of June 19 and is expected to take about two weeks. This project will consist of removing damaged asphalt in select areas and repaving. Traffic on Midway Road will be reduced to one lane, with stop and go traffic. Flagmen will be present to direct traffic. If the road is periodically closed for safety concerns, traffic will be detoured as necessary. This project is also part of the 2014 GO bond package and costs about \$35,000.

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PRESS RELEASE

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

Drivers Urged to Be Alert for Cyclists Participating in Tour de Cure

Broken Arrow, Okla. (6/2/2017) – Hundreds of cyclists will be traveling through Broken Arrow on Saturday, June 3 for the 2017 Tour de Cure Oklahoma.

Tour de Cure is the premier cycling fundraising event of the American Diabetes Association and the nation's largest diabetes cycling event. This event is a unique opportunity for businesses, clubs, friends and families to come together to form teams with the vision of a life free of diabetes and all its burdens

The first ride begins at 7:30 a.m. this Saturday. Cyclists will start in Tulsa at Hillcrest Hospital South, 8801 S. 101st E. Avenue, and head east into Broken Arrow on Washington (91st) Street. The route covers several Broken Arrow streets, and drivers are urged to slow down and be alert for cyclists. The 24 and 45 mile route maps are attached.

For more information, visit www.diabetes.org/okfaqnews.

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24 & 45 Mile Routes



1.5 Miles

Date Printed: 5/24/2017

- Directional Arrows (24 & 45)
- Rest Stops
- Race Routes**
- 24 Mile Route
- 45 Mile Route

Hillcrest Hospital South Routes Start/Finish

Rest Stop 6: Haikey Creek Park
11327 S. Garnett Rd., Broken Arrow, OK 74011

Rest Stop 1: NSU Broken Arrow
3100 E New Orleans St. Broken Arrow, OK 74014

Rest Stop 2: Koweta Indian Health Center
31870 East Hwy 51, Coweta, OK 74429

Rest Stop 5: Shahan Church
E 141st St., Coweta, OK 74429

Maps Provided By:

[View Routes via Smartphone: tourdecure.ddsiglobal.com](http://tourdecure.ddsiglobal.com)

TourdeCure

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



Oklahoma Tour de Cure 2017 - updated 5/25/17
For Emergencies call (918) 240-2027

Miles 24 Mile Route

Turn left on 91st Street from Hillcrest Hospital South main entrance
Continue on 91st Street about 6 miles, past County Line Road
91st Street turns south, continue on 91st Street

8 Rest Stop on right - Northeastern State University (NSU): mile 8

Turn left / east on 101st Street / New Orleans St.
Turn right / south on S. 209th E. Ave.
Turn left / east on 111th Street
Turn right / south on Evans Road / S. 225th E. Ave

(45 and 70 mile routes continue on 111th street)

Turn right / west on 121st Street
Turn left / south on S. 193rd E. Ave.
Turn right / west on 131st Street / W. Jasper Street
Turn right / north on Garnett Road

20 Rest Stop on left - Haikey Creek Park: mile 20

Continue north on Garnett to 91st Street
Turn left / west on 91st Street to Hillcrest South main entrance
Turn right/north into Hillcrest Hospital South main entrance
Continue past hospital to north parking lot and finish line

Miles 45 Mile Route

Turn left on 91st Street from Hillcrest Hospital South main entrance
Continue on 91st Street about 6 miles, past County Line Road
91st Street turns south, continue on 91st Street

8 Rest Stop on right - Northeastern State University (NSU): mile 8

Turn left / east on 101st Street / New Orleans St.
Turn right / south on S. 209th E. Ave.
Turn left / east on 111th Street

(24 mile turns right / south on Evans Road / 225th E. Ave)

Turn right / south on S. 241st E Ave.
Turn left / east on 131st Street
Turn right / southeast on Hwy 51 / S. 280th E Ave

18 Rest Stop on right - Koweta Indian Health Center: mile 18

Turn right / east on Hwy 51 to 337th E. Ave / N4160 Road
Turn right / south on 337th E. Ave / N4160 Road to 161st Street
Turn right / west on 161st Street
Turn right / northwest on Hwy 51B

(70 mile route turns left / southeast on Hwy 51B)

Continue on Hwy 51B as it turns west and becomes 151st Street
Cross Broadway on 151st Street

25 Turn right / north on Division Street

Turn left / west on 141st Street

30 Rest Stop on right - Shahan Baptist Church: mile 30

Continue west on 141st street to County Line Road / 193rd
Turn right / north on County Line Road / 193rd
Turn left / west on 131st Street / W. Jasper Street
Turn right / north on Garnett Road

40 Rest Stop on left - Haikey Creek Park: mile 40

Continue north on Garnett to 91st Street
Turn left / west on 91st Street to Hillcrest South main entrance
Turn right/north into Hillcrest Hospital South main entrance
Continue past hospital to north parking lot and finish line



To: Jennifer Hooks/Gail Kirk
From: Gwen Hicks
CC: Steve Arant, Kenneth Schwab, Krista Flasch, Mary McAtee
Subject: Streets and Stormwater Department
Date: June 2, 2017

Please include this item in your notes to council for the next meeting:

- ⇒ Streets Division has completed resurfacing of Omaha will be starting Monday, June 5th, the resurfacing of Oneta Road, from Kenosha to Houston (1 mile). Work is part of 2014 Bond, Resurface 7 miles of 2-lane arterial streets.

3. SPECIAL EVENTS / ACTIVITIES





INTEROFFICE MEMO

To: Honorable Mayor and City Councilors

From: Jennifer Hooks, Executive Assistant to the City Manager

Date: June 2, 2017

Re: Margaret Hudson Program – Special Event

The Margaret Hudson Program will present a family-friendly fundraising All Stars Basketball Game, Saturday, June 17, 2017 at 1 pm. The game will be held on Father's Day weekend as a fundraising event for the nonprofit Margaret Hudson Program at the ORU Mabee Center Arena in Tulsa. General admission tickets are priced at \$10 and \$20; Premier tickets are \$50; VIP tickets are \$75 and \$100.

All tickets can be purchased at www.mabeecenter.com. The All Stars Game promises to be a highly entertaining event, featuring a roster of well-known NBA and college basketball All Stars. The All Stars Basketball Game will feature Sam Perkins as Honorary Coach of the Legends and Robert Horry as Honorary Coach of the Icons.

An impressive roster of former NBA and college ball players will include Icons players Dale Ellis, Anthony Bowie, Kenny Thomas, Andre Owens and Chianti Roberts and Legends players Wayne Simien, Tyrel Reed, Cedric Ceballos, Stephen Howard and Gerald Brown. Special guest Joe King, a former professional football player and country music artist, will sing the national anthem.