

The City of Durant encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged in order to make the necessary accommodations. The City of Durant may waive the 48-hour rule if interpreters for the deaf (signing) or translation services for limited English proficient (LEP) individuals are not the necessary accommodation.

THE DURANT CITY UTILITIES AUTHORITY / DCUA

6:00 PM

**Roscoe J. Hatfield
Council Chambers, 300
West Evergreen,
Durant, Oklahoma
AGENDA**

September 11, 2018

**DURANT CITY HALL
300 W. EVERGREEN, DURANT, OK
ROSCOE J. HATFIELD COUNCIL CHAMBERS**

CALL TO ORDER

ROLL CALL

ORDER OF BUSINESS

1. Consent Items

To help streamline meetings and allow the focus to be on other items requiring strategic thought, the "Consent Items" portion of the agenda groups the routine, procedural, and self-explanatory non-controversial items together. These items are voted on in a single motion (one vote). However, any Council member requesting further information on a specific item thus removes it from the "Consent Items" section for individual attention and separate vote.

- a. Consider Approval of Regular Meeting Minutes of August 14, 2018
- b. Consider Approval of Budget Amendments for FY 18-19

2. Consider Items Removed from Consent

3. Administration

- a. Consider Award of Bids for Filter Underdrain Repair at the Water Treatment Plant:

1. Haynes Equipment Co. in the amount of \$60,000.00 for (WestTech) Laserflow Underdrain System

2. Enviromental Improvements Inc (EI2) in the amount of \$20,138.00 for (Leopold) Filter Media

3. KBC Construction INC in the amount of \$46,488.00 for installation of the underdrain system and filter media.

4. Information Items

- a. Landfill Information & Reports - August 2018
- b. Solid Waste Department Monthly Report - August 2018
- c. Utilities Department Monthly Report - August 2018
- d. Utility Line Maintenance Report- August 2018

- e. Water Treatment Plant Monthly Reports - August 2018
- f. Waste Water Treatment Plant and Lab Monthly Reports - August 2018

ADJOURNMENT

CERTIFICATE

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 14th day of November, 2017 and that an agenda of said meeting was posted at the place of such meeting at 5:00 p.m..on the 7th day of September, 2018.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 8/28/2018
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of August 14, 2018

Council Information / Action Requested

Approval of Regular Meeting Minutes of August 14, 2018

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
Minutes 8.14.2018	Exhibit	8/28/2018

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 14th day of November, 2017 and that an agenda of said meeting was posted at the place of such meeting at 4:45 p.m. on the 10th day of August, 2018.

**MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY
UTILITIES AUTHORITY OF August 14, 2018 AT 6:00 PM, Roscoe J. Hatfield Council
Chambers, 300 West Evergreen, Durant, Oklahoma**

CALL TO ORDER

Chairman Tomlinson called the meeting to order at 10:09 p.m.

ROLL CALL

Present: Trustee Oden Grube	City Attorney Tom Marcum
Trustee Mike Dills	City Manager Tim Rundel
Trustee Destry Hawthorne	City Clerk Cynthia J. Price
Vice Chairman Chad Hitchcock	
Chairman Jerry Tomlinson	

Absent: None (*denotes partial attendance)

Chairman Tomlinson declared a quorum.

1. Consent Items

To help streamline meetings and allow the focus to be on other items requiring strategic thought, the "Consent Items" portion of the agenda groups the routine, procedural, and self-explanatory non-controversial items together. These items are voted on in a single motion (one vote). However, any Council member requesting further information on a specific item thus removes it from the "Consent Items" section for individual attention and separate vote.

- a. Consider Approval of Regular Meeting Minutes of July 10, 2018
- b. Consider Approval of Amendment # 1 with T-Mobile USA for an Extension of the Original Contract Dated December 26, 1999 for Space on City of Durant Water Tower located at 27 West Arkansas

Approved

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve consent items as presented.

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson

2. Consideration Items Removed from Consent

3. Administration

4. Information Items

- a. Landfill Information & Reports - July 2018
- b. Solid Waste Department Monthly Report - July 2018
- c. Water Treatment Plant Monthly Report - July 2018
- d. Waste Water Treatment Plant Monthly Report - July 2018

Adjournment

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to adjourn meeting.

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson



The City of Durant

Office of City Clerk

Memorandum

Date: 9/7/2018
To: Utilities Authority
From: Greg Buckley, Administrative Services Director and City Treasurer
Re: Consider Approval of Budget Amendments for FY 18-19

Your authorization to approve the following Budget Amendments is requested. All of the adjustments are procedural in nature; necessary to carry out activities of the authority. A detailed explanation is on each of the attached requests.

BA-09-11-2018

#1720 – Replacement of underdrain located at the Water Plant. Considered maintenance as this is required to keep the equipment functional.

#1722 – Appropriation decrease due to Trustee being able to deposit the funds on June 29, 2018.

Council Information / Action Requested

Approval of Budget Amendments for FY 18-19

City Staff Information / Action Follow-up, if Council authorizes this action:

City Treasurer's office will install the budget amendment in the accounting software and ensure that all funds remain in balance.

ATTACHMENTS:

Description	Type	Upload Date
Preliminary Budget Adjustment Register	Exhibit	9/7/2018

FUND ACCOUNT	DATE	DESCRIPTION	ADJUSTMENT	ORIGINAL BUDGET	PREVIOUS ADJUSTMENTS	NEW BUDGET

Budget Adj. # 001720						
405 027-552.50-69	9/11/2018	UNDER DRAIN-WATER P	135,000.00	30,000.00	0.00	165,000.00
OTHER EQUIP PARTS & MAINT						
DEPT: WATER TREATMENT PLANT						
PACKET NOTES:						
REPLACEMENT OF 18 YEAR OLD UNDERDRAIN LOCATED AT THE WATER						
PLANT. COST INCLUDE LAZER CUT UNDERDRAIN, FILTER MEDIA AND						
ANTHRACITES, AND LABOR TO INSTALL.						
ORDER TIME FOR THE LAZER CUT UNDERDRAIN IS 26 TO 30 WEEKS						
OUT.						
TOTAL NO. ADJUSTMENTS--EXPENSE:					1	135,000.00
TOTAL IN PACKET--						135,000.00

*** NO WARNINGS ***

*** NO ERRORS ***

*** END OF REPORT ***

FUND ACCOUNT	DATE	DESCRIPTION	ADJUSTMENT	ORIGINAL BUDGET	PREVIOUS ADJUSTMENTS	NEW BUDGET

Budget Adj. # 001722						
405 030-555.99-21	9/11/2018	DECREASE	257,505.00-	257,505.00	0.00	0.00
TSFR 2007 STRN TO CI						
DEPT: UTILITY GENERAL ADMIN.						
PACKET NOTES:						
PROJECT THAT WAS TO BE FUNDED BY THE 2007 BOND CONSTRUCTION						
FUNDS WAS COMPLETED PRIOR TO JUNE 30, 2018. IT WAS THOUGHT						
THE TRUSTEE WOULD NOT HAVE TIME TO PROCESS THE REIMBURSEMENT						
REQUEST THEREFORE APPROPRIATED IN FY 18-19. HOWEVER, THE						
TRUSTEE WAS ABLE TO MAKE THE REIMBURSEMENT ON JUNE 29, 2018.						
REQUEST TO DECREASE FY 18-19 IS REQUIRED.						
TOTAL NO. ADJUSTMENTS--EXPENSE:					1	257,505.00-
TOTAL IN PACKET--						<u>257,505.00-</u>

*** NO WARNINGS ***

*** NO ERRORS ***

*** END OF REPORT ***



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 9/4/2018
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Consider Award of Bids for Filter Underdrain Repair at the Water Treatment Plant:

1. Haynes Equipment Co. in the amount of \$60,000.00 for (WestTech) Laserflow Underdrain System
2. Enviromental Improvements Inc (E12) in the amount of \$20,138.00 for (Leopold) Filter Media
3. KBC Construction INC in the amount of \$46,488.00 for installation of the underdrain system and filter media.

This is part of a larger system of media filters located at the Water Treatment Plant. We had one Filter "blow out" and are in need of repair to maintain and supply the water needs for the City of Durant. There are three parts to this system repair; the actual Laserflow Underdrain, the filter media, and the installation of both. Multiple quotes are attached and staff recommends the following bids be awarded.

1. Haynes Equipment Co. in the amount of \$60,000.00 for (WestTech) Laserflow Underdrain System
2. Enviromental Improvements Inc (E12) in the amount of \$20,138.00 for (Leopold) Filter Media
3. KBC Construction INC in the amount of \$46,488.00 for installation of the underdrain system and filter media.

Council Information / Action Requested

Approve / Deny

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
Underdrain Quotes	Cover Memo	9/4/2018

Filter Media Quote
Construction quote

Cover Memo
Cover Memo

9/4/2018
9/4/2018

Budget Pricing

Proposal Name: Durant, Oklahoma

Proposal Number: 1830345

Wednesday, August 01, 2018

1. Bidder's Contact Information

Company Name	WesTech Engineering, Inc.
Contact Name	Ian Fife
Phone	801.265.1000
Email	ifife@westech-inc.com
Address: Number/Street	3665 S West Temple
Address: City, State, Zip	Salt Lake City, UT 84115

2. Pricing

Currency	US Dollars
----------	------------

Scope of Supply

A	LaserFlow™ Filter Underdrain System	\$60,000	purchase
B	MULTIBLOCK® Filter Underdrain System	\$65,000	
C	Filter Media	\$75,500	
Taxes (sales, use, VAT, IVA, IGV, duties, import fees, etc.)		Not Included	

Prices are for a period not to exceed 30 days from date of proposal.

Field Service

Daily Rate	\$1,200
------------	---------

Prices do not include field service unless noted, but it is available at the daily rate plus expenses. The customer will be charged for a minimum of three days for time at the jobsite. Travel will be billed at the daily rate. Any canceled charges due to the customer's request will be added to the invoice. The greater of visa procurement time or a two week notice is required prior to trip departure date.

3. Payment Terms

Submittals Approved	15%
Release for Fabrication	35%
Net 30 days from Shipment	50%

All payments are net 30 days. Partial shipments are allowed. Other terms per WesTech proforma invoice.

4. Schedule

Submittals, after PO receipt	6 to 8 Weeks
Customer Review Period	2 weeks
Ready to Ship, after Submittal Approval	18 to 20 weeks
Total Weeks from PO to Shipment	26 to 30 weeks

2 Price & Scope of Supply

2.1 MAIN SCOPE

BASIS of PRICING:

Any items and/or accessories not specifically called out in this quotation must be construed as being furnished by others.

This quotation is considered firm for 90 days. Orders received more than 90 days after the date of this quotation is reviewed by Xylem Water Solutions USA, Inc before acceptance and is subject to changes in prices or delivery depending on conditions existing at the time of entry. Quoted prices are firm for delivery within 12 months from the delivery date stipulated in the plans & specifications or mutually agreed upon by Xylem Water Solutions USA, Inc. and Purchase Order issuer at time of order placement.

We do not include any applicable taxes.

Orders resulting from this quotation should be addresses to Xylem Water Solutions USA, Inc.
227 S. Division St., Zelienople, PA, 16063, USA.

We propose to furnish the material described in this document for a **total selling price of \$ 20,138.00**.

All prices are DAP Job Site.

For further information pertaining to the equipment contained in this proposal, please contact our area representative, who is:

Environmental Improvements, Inc
Phone: 405-562-5436

Attention: Todd Ray

Payment terms:

100% net 30 days from the date of the respective shipments of the material

3 Commercial Terms & Conditions

3.1 DELIVERY SCHEDULE

- Please consult our factory for manufacturing lead-times.



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COMPOSE

Durant, OK

Inbox x

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Important

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Categories

[Imap]/Trash (21)

Altitude valves

ERT

MVA

P.O's

Phillip

+

Spencer Wellington <spencer@ceifiltration.com>

to me

Philip,

375 cuft 1.0 - 1.1mm Anthracite x \$11.00 per cuft = \$4,125.00
195 cuft .35 - .45mm Sand x \$ 7.00 per cuft = \$1,365.00
97 cuft .20 - .32mm Garnet x \$42.00 per cuft = \$4,074.00

Packaging = Anthracite / Sand (Super Sacks)
Garnet (50lb Bag)

Lead Time = 2 - 3 Weeks

Total Freight Cost to Durant, OK 74701 = \$3,842.00

Thank You



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Budget Pricing

Proposal Name: Durant, Oklahoma

Proposal Number: 1830345

Wednesday, August 01, 2018

1. Bidder's Contact Information

Company Name	WesTech Engineering, Inc.
Contact Name	Ian Fife
Phone	801.265.1000
Email	ifife@westech-inc.com
Address: Number/Street	3665 S West Temple
Address: City, State, Zip	Salt Lake City, UT 84115

2. Pricing

Currency US Dollars

Scope of Supply

A	LaserFlow™ Filter Underdrain System	\$60,000	purchase
B	MULTIBLOCK® Filter Underdrain System	\$65,000	
C	Filter Media	\$75,500	
Taxes (sales, use, VAT, IVA, IGV, duties, import fees, etc.)		Not Included	

Prices are for a period not to exceed 30 days from date of proposal.

Field Service

Daily Rate \$1,200

Prices do not include field service unless noted, but it is available at the daily rate plus expenses. The customer will be charged for a minimum of three days for time at the jobsite. Travel will be billed at the daily rate. Any canceled charges due to the customer's request will be added to the invoice. The greater of visa procurement time or a two week notice is required prior to trip departure date.

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Submittals Approved	15%
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Net 30 days from Shipment	50%

All payments are net 30 days. Partial shipments are allowed. Other terms per WesTech proforma invoice.

4. Schedule

Submittals, after PO receipt	6 to 8 Weeks
Customer Review Period	2 weeks
Ready to Ship, after Submittal Approval	18 to 20 weeks
Total Weeks from PO to Shipment	26 to 30 weeks

WESTECH

Proposal No. 1830345

KBC CONSTRUCTION, INC.

Specializing in Water & Wastewater Pumping Systems

10128 S 259th East Avenue

Broken Arrow, Oklahoma 74014

918-521-2176

August 27, 2018

City of Durant
844 Caddo Hwy
Caddo, OK. 74729
Attention: Phillip Hightower
dhightower@durant.org

RE: Durant WTP
Filter Underdrain Repairs

Dear Mr. Hightower,

Per your request, below is our proposal for the repair work at the Durant WTP. The proposal is based on the plans that you have provided as well as the description sheet for the new Underdrain (attached). The description of the work & materials provided are detailed below. In regards to the exclusions listed, most are a result of the lack of information. Any item not provided can be negotiated when full knowledge is given.

Replacement of Existing Underdrain in One Filter.

Removal & Disposal of the existing Underdrains
Disconnection of existing Air Scour system
Floor Leveling up to ½"
Wall straightening up to 1"
Installation of City supplied LaserFlow Underdrains
Connection of City Supplied Air Scour piping (no fasteners)
Grouting of Underdrains
Installation of City Supplied Filter Media

Exclusions

Any Item not specifically listed above
Any Anchors & Epoxy for proper installation of the Underdrains
Any item required for installation not provided by Manufacturer (except grout)
Positive Pressure Relief Piping
Any Permits or Fees

Total price for Underdrain Installation is \$ 46,488.00

Please contact me at the number below should you have any questions or would like anything changed.

Sincerely,

Steve Chambers

Steve Chambers
Vice President
918-521-2176
steve@kbc-construction.com



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COMPOSE

Quote

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Inbox

Important

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Drafts

Trash

Categories

[Imap]/Trash (21)

Altitude valves

ERT

MVA

P.O's



Phillip



Phillip Hightower

Mike I know I just sent this too last week but I need the quote on doing our ...

mdhconstruct

In Altus today and tomorrow. Will work on this Friday. Sent via the Samsung G...

Phillip Hightower

Sounds good Thanks

Michael Howard

to me

Bid a similar project earlier this year. Would budget \$240,000.00 for a turnkey project with the Haynes quote.

Contact me with any questions.

Thanks!!

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Important

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Drafts

Trash

Categories

[imap]/Trash (21)

Altitude valves

ERT

MVA

P.O's

 Phillip

+

Phillip Hightower

Ricky I just wanted to touch base with you and see when you would be sending ...

Ricky W. Thompson

I will have it to you by tomorrow. I am in Owasso today. But will be in the o...

Phillip Hightower

Sounds good Thanks

Ricky W. Thompson <rwthompson@wynnconstruction.com>
to me

Phillip, I am coming up with \$48,400.00. Please let me know if you have any questio

For every house is built by someone, but the builder of all things is God. –

Ricky Thompson

rwthompson@wynnconstruction.com

P: 405-753-1153

F: 405-753-1154

C: 405-761-8060

Wynn Construction

[11901 N Eastern Ave](#)

[Oklahoma City, OK 73131](#)

CHECK OUT OUR NEW WEBSITE!

WWW.WYNNCONSTRUCTION.COM

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From: Ricky W. Thompson
Sent: Wednesday, August 22, 2018 12:51 PM
To: Phillip Hightower <phightower@durant.org>
Subject: Re: Quote



Click here to [Reply](#) or [Forward](#)



The City of Durant

Solid Waste Landfill

Memorandum

Date: 9/4/2018
To: Utilities Authority
From: Kenny Cooper, Supervisor Solid Waste
Landfill
Re: Landfill Information & Reports - August 2018

Council Information / Action Requested

Information only.

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
DEQ Monthly Report - August 2018	Exhibit	9/4/2018
August 2018 Project Schedule	Exhibit	9/4/2018



MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES

(Please see instructions prior to completing this form)

Due by the 10th of the month following the reporting month

Administrative Services
Accounts Receivable
P. O. Box 2036
Oklahoma City, OK 73101-2036

Report month/year: Aug-18

Facility Name: CITY OF DURANT C/D LANDFILL
Mailing Address: PO BOX 578
DURANT, OK 74702-0578

Permit Number: 3507001

Phone Number: 580-931-6606

Total # of Days open: 27

COMPLETE SECTIONS 5-10 ONLY IF SCALES GO DOWN

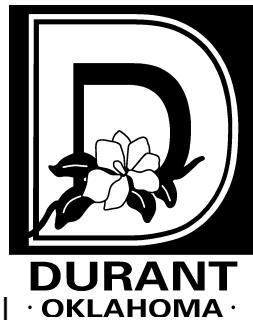
D A Y	(1) Total weight accepted (tons)	(2) Weight which is reused or recycled in accordance with facility permit (tons)	(3) Weight accepted from a DEQ approved emergency or special event (tons)	(4) Weight accepted from large industrial waste generators with DEQ exemption certificate (tons)	(5) Time scales placed out of service	(6) Time scales placed into service	(7) Total volume accepted (yd3)	(8) Volume which is reused or recycled in accordance with facility permit (yd3)	(9) Volume accepted from a DEQ approved emergency or special event (yd3)	(10) Volume accepted from large industrial waste generators with DEQ exemption certificate (yd3)
1	65.36									
2	64.63									
3	57.59									
4	13.16									
5										
6	54.22									
7	46.91									
8	68.91									
9	36									
10	40.69									
11	18.73									
12										
13	0.59									
14	0.05									
15	20.84									
16	93.72									
17	75.38									
18	29.25									
19										
20	65.82									
21	102.16									
22	70.21									
23	33.02									
24	65.08									
25	7.05									
26										
27	68.96									
28	74.76									
29	34.42									
30	66.66									
31	56.68									
Total	1330.85	0	0	0	0	0	0	0	0	0

I hereby certify that the information reported above is accurate and correct to the best of my knowledge and includes all solid waste received at this facility.

Signature of authorized agent: Kenneth Cooper

Phone #: 580-924-8358

Date: 9-4-18



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE ***August 2018***

A. Work Completed for August:

1. Covered C & D Site
2. Hauled MSW To SORD
3. picked up 360 rolloff's & 14 delivered

B. Work Planned For September:

1. Continue Covering C&D site
2. Have new C&D cell 10C inspected and approved
3. Haul MSW To SORD
4. Continue Picking up, Delivering

C. Work Planned For Jan. '18 – Dec. '18:

Approx. Start – Finish Date:

1. Haul trash to Ardmore 1-2018 thru 12-2018

D. Projects Planned And Requested For Authorization:

1. None.



The City of Durant

Office of the Solid Waste Department

Memorandum

Date: 9/4/2018
To: Utilities Authority
From: Albert Pierce, Solid Waste Department
Superintendent
Re: Solid Waste Department Monthly Report - August
2018

Council Information / Action Requested

Information only.

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
Solid Waste Department Monthly Report - August 2018	Exhibit	9/4/2018



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE ***August 2018***

A. Work Completed:

1. Hauled 79.91 tons of extra hauling
2. Hauled 85 loads of extra hauling
3. Picked up and delivered 21 sharps
4. No abatement this month
5. Cleaned Sunny Side rd. 1 time
6. Refurbished 6 dumpsters
7. Replaced 6 dumpsters with new
8. Cleaned dead ends of Cemetery rd. 1 time

B. Work Planned For September

1. Refurbish. dumpsters
- 2.

C. Work Planned For Jan. '1-18 – Dec. 31-18

1. Pick up trash

D. Projects Planned And Requested For Authorization:

1. None.



The City of Durant

Office of City Clerk

Memorandum

Date: 9/7/2018
To: Utilities Authority
From: Stephanie Barfield, Utility Billing Supervisor
Re: Utilities Department Monthly Report - August 2018

The report is currently unavailable. Please check back.

Council Information / Action Requested

City Staff Information / Action Follow-up, if Council authorizes this action:



The City of Durant

Office of the Water and Sewer Maintenance Department

Memorandum

Date: 9/6/2018
To: Utilities Authority
From: Jay Neal- Utility Line Maintenance Supervisor
Re: Utility Line Maintenance Report- August 2018

1. Line Repairs, Taps, Installs

- a. Water Leaks Repaired: 48
- b. Water Taps Installed: 4
- c. Sewer Leaks Repaired: 2
- d. Sewer Taps Installed: 1
- e. Sewer Line Repairs: 15

2. Upcoming/Ongoing Projects

- a. Mooney Lift Station Upgrade is in the initial planning phase. Working in coordination with Wall Engineering and DEQ to complete.
- b. Conducting ongoing root removal project on city lines to target problem areas and promote more effective distribution.
- c. Completed Phase 1 usage of the SL-Rat Device on loan to us from OMAG. This device tests the health/fitness of our wastewater lines while simultaneously giving us an accurate map of our underground sewer infrastructure. The department was commended by OMAG on being the city with the most efficient use of the device to date.
- d. Leak Detection project will begin in the early part of October. In coordination with Wall Engineering, we will be deploying noise loggers and testing equipment throughout the city at various times. This will give us the most accurate "sight picture" on all water line based leaks.

Council Information / Action Requested

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description

Line Maintenance Council Attachment

Type

Cover Memo

Upload Date

9/6/2018

August 2018

Water Leaks:	48
Water Taps:	4
Sewer Leaks:	2
Sewer Taps:	1
Other Completed Jobs:	32
Carryover Leak Balance to Next Month	21

Jobs/Day	10.88
Jobs/Week	43.5
Jobs/Month	87

Leaks Added Aug	41
Paid Taps	11



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 9/4/2018
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Water Treatment Plant Monthly Reports - August 2018

Council Information / Action Requested

Information only.

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
August MOR #1	Cover Memo	9/4/2018
August MOR #2	Cover Memo	9/4/2018
August CLO2 and Chlorite Report	Cover Memo	9/4/2018
August Monthly Report	Cover Memo	9/4/2018

☒ Rapid Rate Filter

☐ Slow Sand Filter

No. OF SAMPLES

% OF TOTAL SAMPLES

TURBIDITY GREATER THAN 0.5 NTU:

0

0%

TURBIDITY GREATER THAN 0.3 NTU:

0

0%

TURBIDITY GREATER THAN 0.1 NTU:

1

1%

TOTAL NO. OF TURBIDITY ANALYSES:	186
----------------------------------	-----

HIGHEST TURBIDITY READING

0.13

NUMBER OF SAMPLES > 1 NTU

0

NUMBER OF SAMPLES > 5 NTU

0

95TH PERCENTILE OF FINISHED WATER TURBIDITY

0.08

NOT REQUIRED

95TH PERCENTILE OF SETTLED WATER TURBIDITY

3.50

NOT REQUIRED

CHLORINE RESIDUAL < 1.0 mg/l LEAVING PLANT (# Samples)

INDIVIDUAL FILTER TURBIDITY CHECKLIST

1. IS TURBIDITY FROM EACH INDIVIDUAL FILTER RECORDED EVERY 15 MINUTES?

☒ Yes ☐ No

2. DID ANY SINGLE FILTER EXCEED 2.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS?

☒ No, Go to Question 3.

☐ Yes, What date was the filter profile completed?

DID THIS SAME FILTER EXCEED 2.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST MONTH?

☐ No, Go to Question 3.

☐ Yes, Schedule Comprehensive Perfomance Evaluation (CPE) with DEQ.

3. DID ANY SINGLE FILTER EXCEED 1.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS?

☒ No, Go to Question 4.

☐ Yes, What date was the filter profile completed?

DID THIS SAME FILTER EXCEED 1.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST 2 MONTHS?

☐ No, Go to Question 4.

☐ Yes, What date was the filter self-assessment completed?

4. DID ANY SINGLE FILTER EXCEED 0.5 NTU IN 2 CONSECUTIVE 15-MIN PERIODS AT THE END OF 4 HRS OF OPERATION?

☒ No, You are finished with the checklist.

☐ Yes, What date was the filter profile completed?

* IF ANY OF QUESTIONS 2 THROUGH 4 ARE CHECKED "YES", YOU MUST COMPLETE THE TURBIDITY TRIGGER EVALUATION FORM AND ATTACH TO THIS MOR.

	TURBIDITY									RESIDUAL DISINFECTANT								COMMENTS
DAY	RAW	SET	SET	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	ENTRY POINT TO DISTRIBUTION						DISTRIBUTION		
										12am	4am	8am	12pm	4pm	8pm	SYSTEM		
1	23.64	1.5	2.8	0.06	0.04	0.04	0.04	0.05	0.05	2.52	2.79	2.76	2.68	2.41	2.63	1.89	1.87	
2	16.90	2.5	3.3	0.07	0.05	0.05	0.05	0.05	0.05	2.69	2.94	2.94	2.63	2.44	2.64	2.16	1.81	
3	15.00	1.9	3.1	0.05	0.08	0.04	0.04	0.05	0.05	2.87	2.98	3.09	2.61	2.45	2.41	1.87	1.91	
4	13.51	2.2	3.5	0.05	0.05	0.05	0.06	0.06	0.05	2.37	2.34	2.37	2.29	2.36	2.27	2.01	1.96	
5	13.84	1.9	3.9	0.07	0.06	0.06	0.09	0.06	0.06	2.31	2.25	2.20	2.55	2.54	2.50	2.03	1.65	
6	13.07	1.7	3.2	0.08	0.06	0.06	0.07	0.07	0.06	2.49	2.48	2.43	2.46	2.45	2.37	1.51	1.51	
7	13.65	2.1	2.9	0.09	0.06	0.06	0.06	0.07	0.06	2.37	2.53	2.43	2.49	2.51	2.93	2.08	1.45	
8	11.23	2.4	2.4	0.06	0.06	0.07	0.05	0.05	0.08	2.85	3.21	3.07	2.99	3.01	2.92	1.50	2.69	
9	14.03	1.7	2.7	0.08	0.05	0.06	0.06	0.04	0.04	2.96	3.20	3.11	2.98	2.38	2.94	2.63	1.82	
10	17.75	2.1	2.9	0.04	0.04	0.04	0.04	0.05	0.08	3.03	3.13	3.16	2.97	2.75	2.89	1.90	2.80	
11	12.24	2.9	3.4	0.09	0.04	0.04	0.04	0.05	0.05	3.07	3.13	3.05	2.84	2.74	2.45	2.53	2.13	
12	13.33	1.7	2.8	0.06	0.05	0.05	0.05	0.05	0.05	2.55	2.71	2.78	2.69	2.57	2.15	2.13	2.34	
13	11.44	1.8	2.2	0.07	0.06	0.05	0.05	0.05	0.05	2.20	2.45	2.53	2.50	2.46	2.42	2.22	1.90	
14	57.77	1.4	1.5	0.05	0.05	0.05	0.04	0.04	0.03	2.52	2.73	2.69	2.65	2.62	2.55	1.80	2.43	
15	333.20	3.4	2.7	0.05	0.05	0.08	0.10	0.10	0.09	2.63	2.47	2.32	2.16	2.06	2.14	2.36	1.79	
16	184.00	2.9	2.4	0.13	0.09	0.07	0.04	0.04	0.04	2.16	2.48	2.32	2.47	2.37	2.42	1.66	2.10	
17	104.90	2.3	2.5	0.04	0.03	0.03	0.04	0.04	0.04	2.59	2.81	2.89	2.54	2.36	2.39	1.65	1.69	
18	64.90	2.3	2.7	0.05	0.06	0.03	0.03	0.04	0.04	2.62	2.82	2.90	2.69	2.37	2.56	1.76	1.83	
19	45.30	1.7	2.3	0.06	0.04	0.03	0.03	0.03	0.03	2.82	2.92	2.91	2.84	2.66	2.63	2.18	1.84	
20	42.47	1.5	2.1	0.07	0.04	0.03	0.04	0.04	0.04	2.66	2.86	2.82	2.41	2.30	2.57	1.90	1.86	
21	27.69	1.7	2.9	0.05	0.04	0.03	0.03	0.04	0.05	2.54	2.66	2.68	2.53	2.30	2.48	2.03	1.80	
22	19.98	1.3	2.8	0.07	0.05	0.04	0.04	0.04	0.04	2.52	2.62	2.61	2.41	2.23	2.42	1.76	1.74	
23	18.62	1.8	3.9	0.08	0.06	0.05	0.04	0.04	0.04	2.53	2.67	2.65	2.51	2.25	2.52	2.18	2.61	
24	9.44	2	3.4	0.07	0.06	0.05	0.04	0.05	0.05	2.61	2.70	2.68	2.38	2.22	2.28	1.80	1.51	
25	6.44	2.4	3.4	0.10	0.06	0.05	0.04	0.04	0.04	2.38	2.50	2.38	2.27	2.12	2.26	1.83	1.75	
26	6.69	1.9	3.8	0.07	0.05	0.05	0.04	0.04	0.04	2.36	2.46	2.45	2.34	2.14	2.22	1.71	1.64	
27	6.32	2	3.3	0.06	0.06	0.06	0.06	0.05	0.05	2.29	2.27	2.24	2.30	2.31	2.49	2.18	1.60	
28	18.90	2.1	2.6	0.07	0.06	0.05	0.05	0.05	0.05	2.50	2.61	2.61	2.36	2.23	2.85	1.52	1.62	
29	8.81	2	2.9	0.07	0.06	0.05	0.05	0.05	0.05	2.91	3.05	3.06	2.75	2.65	2.98	2.45	1.59	
30	10.81	1.6	2.8	0.08	0.05	0.05	0.05	0.05	0.05	3.01	3.11	3.16	2.82	2.66	2.90	1.64	1.66	
31	10.06	2.1	3.2	0.07	0.06	0.05	0.05	0.05	0.04	3.04	3.06	1.94	2.55	2.49	2.91	2.46	1.76	



CHLORINE DIOXIDE AND CHLORITE MONITORING AND REPORTING FORM

1. Public Water System (PWS) Information:

PWSID: OK 1010601

PWS Name: City of Durant

2. Compliance Information:

Water System Facility ID: 1010601

Plant Name: Durant Water Plant

Month: August Year: 2018

3. Analytical Results & Summary Information:

Entry Point Monitoring			<u>Chlorine Dioxide Daily Monitoring (Summary Type: CLO2)</u>					
Day	ClO ₂ (mg/L)	Chlorite (mg/L)						
1	0.07	0.66	Number of Samples Required:					
2	0.13	0.66	Number of Samples Collected:					
3	0.07	0.57	Was All Chlorine Dioxide Monitoring & Reporting Completed? Yes / No					
4	0.04	0.9	Number of ClO ₂ samples exceeded the MRDL of 0.8 mg/L?					
5	0.11	0.9	If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.					
6	0.07	0.9	<u>Chlorite Daily Monitoring (Summary Type: CLO2)</u>					
7	0.13	0.9	Number of Samples Required:					
8	0.19	0.76	Number of Samples Collected:					
9	0.17	0.76	Was All Chlorite Monitoring & Reporting Completed? Yes / No					
10	0.15	0.8	Number of Chlorite samples exceeded the MCL of 1.0 mg/L?					
11	0.11	0.76	If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.					
12	0.13	0.66	* If you didn't use Chlorine Dioxide for disinfection any day this month, please mark "n/a" in that day's box to prevent a Monitoring violation.					
13	0.08	0.52						
14	0.13	0.71						
15	0.13	0.52	<u>Routine Chlorite Monthly Monitoring in Distribution System</u>					
16	0.13	0.71	Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
17	0.21	0.71	Near 1st Customer					
18	0.11	0.57	Avg. Residence Time					
19	0.17	0.47	Max. Residence Time					
20	0.15	0.52	Monitoring Period Average:					
21	0.11	0.57	Mark (X) if analytical results were reported electronically: _____ - If the arithmetic average of any three sample set exceeds the Chlorite MCL (1.0 mg/L), the system is in violation of the MCL. - If more than one three-sample set was collected, attach additional copies of this form.					
22	0.13	0.57						
23	0.14	0.71						
24	0.18	0.66						
25	0.11	0.76						
26	0.1	0.8						
27	0.21	0.76						
28	0.12	0.85						
29	0.13	0.95						
30	0.13	0.8						
31	0.14	0.76						

Signature of owner or operator: _____

Date: _____

Operator License Number _____

Send all documents to:

Joe Keeble
Disinfection Byproducts Compliance Coordinator
Water Quality Division, DEQ
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

DEQ Form # 630-577D
 Revision 06/01/2009



THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule August 2018 Monthly Report

A. Work Completed

1. Calibrate lab instruments daily
2. Maintained Water Plant
3. Cleaned all buildings weekly
4. Backwashed filters as needed
5. Backwashed raw pumps weekly
6. Hooked up chlorine tanks and checked for leaks
7. Unload chemicals as they arrived
8. Pulled sludge as needed
9. Run daily chlorine dioxide samples on raw line
10. Flushed alum pumps
11. Inspected fire extinguishers
12. Pulled required water samples and send to ODEQ
13. Clean turbidity meters as needed
14. Cleaned screens on CLO2 generator as needed
15. Started painting raw water line
16. Replaced battery backup on #1 and 2 filter console
17. Replaced battery on welder
18. Check and maintain fluid levels on trucks and mower
19. Mowed Plant grounds
20. Weed eated Plant grounds
21. Mowed and weed eated at towers in town
22. Fixed broken line on chlorinator
23. Fixed front gate hindge
24. Set and wired up #4 High service pump motor
25. Changed oil in #3 high service pump motor
26. Cleaned out SOSU tower
27. Started mowing at Lake Durant
28. Had A/C fixed at high service
29. Treated 173,326,000 gallons of water

B. Work Planned for January-December

Approx Start/Finish Date

- | | |
|-----------------------------------|-----------------|
| 1. Paint buildings | Time permitting |
| 2. Put Gravel at Chuckwa Tower | Time Permitting |
| 3. Put Gravel at Raw Pump Station | Time Permitting |
| 4. Put new seals in S.9th pump | Time permitting |

C. Projects Planned and Requested for Authorization

- A. Upgrade raw pump building at the water plant
- B. Upgrade Scada system on Old and New Plant Filters
- C. Install new Fluoride System



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 9/6/2018
To: Utilities Authority
From: Terry Condor, Superintendent, Waste Water Treatment Plant
Re: Waste Water Treatment Plant and Lab Monthly Reports - August 2018

Council Information / Action Requested

Information only.

City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
Projects Schedule	Cover Memo	9/6/2018
MOR August 2018	Cover Memo	9/6/2018
Lab Report August 2018	Cover Memo	9/6/2018



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK COMPLETED IN JULY 2018

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS 7-30-18
- 3: CLEAN BLEND TANK MIXER 7-30-18
- 4: CLEAN EFFLUENT PUMP STATION ----
- 5: CLEAN RAW WATER PUMP STATION ----
- 6: CLEAN SCUM PUMP STATION (not needed)
- 7: CLEAN DRAIN LIFT STATION 7-12-18
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER 7-11-18
- 9: CALIBRATE DISCHARGE DO & PH METER 7-30-18
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER 7-30-18
- 11: RESET SBR PLC (not needed)
- 12: WASH DOWN STEP SCREEN 7-12-18
- 13: CLEAN UV TROUGHS AND FLUME 7-12-18
- 14: CHECK ELECTRIC MANHOLES 7-26-18
- 15: CLEAN OUT BUILDINGS 7-9-18
- 16: MANUALLY CHECK U.V. BULBS 7-19-18
- 17: WASH DOWN CASINO STEPSCREEN 7-9-18
- 18: CHECK ALL AUTOMATIC VALVES 7-3-18, 7-30-18
- 19: VEHICLE INSPECTION 7-16-18
- 20: WALK-THRU INSPECTION 7-5-18
- 21: CLEAN ALL PLC's (not needed)
- 22: CLEAN D.O. METERS ----
- 23: CHECK CLARIFIER OIL WEEKLY 7-2-18, 7-13-18
- 24: REPAIR DIGESTER FLOW METER

TREATED 46.808 MG OF WASTEWATER
PROCESSED 1.112940 MG OF TREATED SLUDGE

B: WORK PLANNED FOR AUGUST 2018

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS
- 3: CLEAN BLEND TANK MIXER
- 4: CLEAN EFFLUENT PUMP STATION ----
- 5: CLEAN RAW WATER PUMP STATION ----
- 6: CLEAN SCUM PUMP STATION
- 7: CLEAN DRAIN LIFT STATION
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER
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- 16: MANUALLY CHECK U.V. BULBS
- 17: WASH DOWN CASINO STEPSCREEN
- 18: CHECK ALL AUTOMATIC VALVES
- 19: VEHICLE INSPECTION
- 20: WALK-THRU INSPECTION
- 21: CLEAN ALL PLC's
- 22: CLEAN D.O. METERS
- 23: CHECK CLARIFIER OIL WEEKLY
- 24: REPAIR DIGESTER FLOW METER

CITY OF DURANT WASTEWATER TREATMENT PLANT MONTHLY OPERATION REPORT

MONTH OF JULY 2018

DAY	DATE	WEATHER		FLOW		PUMPS		INFLUENT DATA				SLUDGE		SBR DATA				DMR					Effluent	Visible Foam or Floating Solids in Discharge/ Comments:		
		RAINFALL (in.)	Lo AIR TEMP	INFLUENT (MGD)	EFFLUENT (MGD)	RAW PUMP ONLINE	EFFLUENT PUMP ONLINE	pH	SETTLABLE SOLIDS ml / L	Head work's BOD ₅	Over the Weirs BOD ₅	TSS	FEED SLUDGE (GPD)	GBT ONLINE	REACTOR #1 SETTLEABILITY	REACTOR #2 SETTLEABILITY	REACTOR #3 SETTLEABILITY	REACTOR #4 SETTLEABILITY	D.O. mg/L	pH	TSS mg/L	AMMONIA mg/L			CBOD ₅	FECAL COLIFORM #cfu/100ml
W	8/1/18		67	1.5	1.8	1	4	7.4	9	150	123	124	21336	54548	550	700	600	700	7.2	7.7	2.5	0.2	2.0			ND
T	8/2/18		66	1.8	2.1	1	4						21090	53514					7.4	7.6						ND
F	8/3/18		67	1.6	2.0	1	4						21370	54159					7.4	7.7						ND
S	8/4/18			1.7	2.0	1	4						21632						7.6	7.8						
S	8/5/18			1.5	1.9	1	4						19036						7.6	7.7						
M	8/6/18		68	1.6	1.9	1	4	7.3	30				21596	53610	500	600	550	600	7.7	7.8				23		ND
T	8/7/18		69	1.8	2.0	1	4	7.3	10				21594	54195	600	650	550	600	7.6	7.7				11		ND
W	8/8/18	6.64	70	1.8	2.2	1	4	7.4	8	118	128	112	21484	54214	550	700	500	600	7.7	7.7	2.5	0.2	2.0			ND
T	8/9/18		72	1.6	1.9	1	4	7.4	8				20822	54515					7.8	7.6						ND
F	8/10/18		74	1.6	1.8	1	4	7.3	11				21522	42695					7.7	7.6						ND
S	8/11/18			1.6	1.9	1	4						21642						7.6	7.6						
S	8/12/18			1.7	2.0	1	4						21874						7.8	7.7						ND
M	8/13/18	1.0	73	2.5	2.7	1	4	7.5	8				23358	52104	450	800	500	400	7.8	7.7				23		ND
T	8/14/18	2.25	71	2.8	2.6	1	4	7.5	8				22438	51939	600	750	500	450	7.9	7.7				22		ND
W	8/15/18		71	2.0	2.0	1	4	7.5	10	48	56	20	21654	43267	600	750	550	500	7.1	7.9	2.5	0.2	2.0			ND
T	8/16/18		78	2.2	2.0	1	4	7.2	7				21756	52685					7.2	7.8						ND
F	8/17/18		80	1.9	1.9	1	4	7.4	2				20510	52304					7.4	7.7						ND
S	8/18/18			1.7	1.9	1	4						21240						7.4	7.7						
S	8/19/18			1.6	1.8	1	4						21094						7.4	7.7						
M	8/20/18		76	1.5	1.7	1	4	7.2	9				21602	52031	400	650	600	500	7.2	7.6				3		ND
T	8/21/18		68	1.6	1.8	1	4	7.2	10				20768	40450	500	700	650	500	7.1	7.7				1		ND
W	8/22/18		68	1.5	1.6	1	4	7.2	8	82	116	60	21920	45672	450	500	650	600	7.2	7.7	2.5	0.2	2.0			ND
T	8/23/18		71	1.7	1.9	1	4	7.2	9				21666	52145					7.4	7.6						ND
F	8/24/18		72	1.5	1.8	1	4	7.2	10				21072	52033					7.4	7.7						ND
S	8/25/18			1.5	1.7	1	4						21356						7.2	7.6						
S	8/26/18			1.4	1.7	1	4						116656						7.2	7.6						
M	8/27/18		79	1.4	1.8	1	4	7.2	8				20210	51683	600	450	600	550	7.4	7.7				9		ND
T	8/28/18		78	1.5	1.8	1	4	7.5	10				21490	39933	500	550	500	450	7.4	7.6				3		ND
W	8/29/18		78	1.4	1.6	1	4	7.3	8				21298	40892	500	550	600	500	7.2	7.7						ND
T	8/30/18		76	1.7	1.8	1	4	7.2	15	96	145	44	20502	49851					7.5	7.9	2.5	0.2	2.0			ND
F	8/31/18		77	1.5	1.7	1	4	7.2	10				21672	41072					7.4	7.7						ND



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

8/1/18 to 8/31/18

Tests Processed

<u>82</u>	Bac-t's
<u>84</u>	BOD's
<u>20</u>	TSS's
<u>12</u>	NH3's
<u>4</u>	DO's
<u>31</u>	Ph's
<u>8 sets</u>	Fecal Coliforms (May 1 st – Sept. 30 th) * 6 per set
<u>0</u>	FOG's

Work Projects

- Data entry
- Reports (water test results), Make copies and envelope
- Purchase Orders, copy, file
- Equipment calibrations and maintenance
- Sampling and process readings
- Quality Assurance, Quality Control tests
- Laboratory Testing
- Filing
- Daily/Weekly laboratory and WWTP building cleaning
- Monthly, Quarterly, Bi-annual, Yearly reports
- Ordering Lab chemicals and supplies
- Water Billing
- Storm water monitoring
- Storm water Report
- Pre-Treatment