

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 10, 2019

**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 13, 2019
- b. Consider Approval of Purchasing Two Variable Speed Drives for Two Motors Located at the Raw Pump Station

2. Consider Items Removed from Consent

3. Information Items

- a. Landfill Information and Reports - August 2019
- b. Solid Waste Department Monthly Report - August 2019
- c. Utility Department Monthly Report - August 2019
- d. Utility Line Maintenance Report- August 2019
- e. Wastewater Treatment Plant Monthly Report - August 2019
- f. Water Treatment Plant Monthly Reports - August 2019

4. Administration

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 13th day of November, 2018 and that an agenda of said meeting was posted at the place of such meeting at 4:00 p.m. on the 6th day of September, 2019.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 8/30/2019
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of August 13, 2019

Council Information / Action Requested

Approval of Regular Meeting Minutes of August 13, 2019

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

ATTACHMENTS:

Description	Type	Upload Date
Minutes 8.13.2019	Exhibit	8/30/2019

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 13th day of November, 2018 and that an agenda of said meeting was posted at the place of such meeting at 5:48 p.m. on the 9th day of August, 2019.

**MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY
UTILITIES AUTHORITY OF August 13, 2019 AT 6:00 PM, Roscoe J. Hatfield Council
Chambers, 300 West Evergreen, Durant, Oklahoma**

CALL TO ORDER

Chairman Grube called the meeting to order at 7:14 p.m.

ROLL CALL

Present: Trustee Mike Morris	Interim City Manager Paul Buntz
Trustee Danny Sherrer	City Attorney Tom Marcum
Trustee Jerry Tomlinson	City Clerk Cynthia J. Price
Vice Chairman Steve Brittingham	
Chairman Oden Grube	

Absent: None (*denotes partial attendance)

Chairman Grube 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 9, 2019

Approved

Motion was made by Steve Brittingham and seconded by Danny Sherrer to approve consent item as presented.

Motion Passed with the following vote:

Ayes: Brittingham, Grube, Morris, Sherrer, Tomlinson

2. Consideration Items Removed from Consent

3. Information Items

- a. Landfill Information and Reports - July 2019

- b. Solid Waste Department Monthly Report - July 2019
- c. Utility Department Monthly Report - July 2019
- d. Utility Line Maintenance Report- July 2019
- e. Waste Water Treatment Plant and Lab Monthly Report - July 2019
- f. Water Treatment Plant Monthly Reports- July 2019

4. Administration

- a. Consider Waiving the Requirement for Competitive Bidding per Ordinance 1864 A and Approval to Spend \$100,000 for the Service Provided by Esbenshade Inc. to Dispose of Sludge Produced at the Waste Water Treatment Plant

Approved

Water and Sewer Line Maintenance Supervisor Jay Neal addressed council and stated the request for a waiver of the requirement for competitive bidding is because this is a one of a kind tool. The City of Durant borrowed a tool of this type from the Oklahoma Municipal Assurance Group (OMAG) last year and would like to purchase one for its sole use. It is an OMAG certified device.

Motion was made by Jerry Tomlinson and seconded by Danny Sherrer to waive the requirement for competitive bidding per Ordinance 1864A and approve purchase of the Sewer Line Rapid Assessment Tool (SL-RAT) from Duke's Root Control in the amount of \$26,430.

Motion Passed with the following vote:

Ayes: Brittingham, Grube, Morris, Sherrer, Tomlinson

- b. Consider Waiving the Requirement for Competitive Bidding per Ordinance 1864 A and Approval of Purchase of the Sewer Line Rapid Assessment Tool (SL-RAT) from Duke's Root Control in the Amount of \$26,430.00

Approved

Public Works Director Marty Cook addressed council and stated this is a sole source provider because no other company is willing to accept the sludge.

Motion was made by Steve Brittingham and seconded by Jerry Tomlinson to waive the requirement for competitive bidding per Ordinance 1864A and approve to spend \$100,000 for the service provided by Esbenshade Inc. to dispose of sludge produced at the Waste Water Treatment Plant.

Motion Passed with the following vote:

Ayes: Brittingham, Grube, Morris, Sherrer, Tomlinson

- c. Consider Approval of Change Order # 1 for the Mooney Lift Station Project to Reduce Overall Costs of the Project by \$98,870

Approved

Public Works Director Marty Cook addressed council and stated when he presented the request for award of bid it was over budget and approved contingent on a change order. Some items were removed and some labor will be done with city labor to bring the cost within budget.

Motion was made by Jerry Tomlinson and seconded by Oden Grube to approval of Change Order #1 for the Mooney Lift Station Project to reduce overall costs of the project by \$98,870.

Motion Passed with the following vote:

Ayes: Brittingham, Grube, Morris, Sherrer, Tomlinson

Adjournment

Motion was made by Mike Morris and seconded by Steve Brittingham to adjourn meeting.

Motion Passed with the following vote:

Ayes: Brittingham, Grube, Morris, Sherrer, Tomlinson



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 9/4/2019
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Consider Approval of Purchasing Two Variable Speed Drives for Two Motors Located at the Raw Pump Station

I have three quotes that are attached. I recommend we go with the MVA quote. This quote is for two Dan Foss drives. All of our drives we have are Dan Foss and we have had success with these drives. This quote is for two drives installed.

These two drives were approved in Capitol Improvements Budget.

Council Information / Action Requested

Approval of Purchasing Two Variable Speed Drives for Two Motors Located at the Raw Pump Station from MVA Services for \$21,050.

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

ATTACHMENTS:

Description	Type	Upload Date
Drive Quotes	Cover Memo	9/4/2019



**MACHINING & VALVE
AUTOMATION SERVICES LLC**
PO Box 311
ROYSE CITY TX 75189
214-502-6432

QUOTE

DATE	QUOTE #
8/23/2019	2019-100900

CITY OF DURANT WTP
PHILP HIGHTOWER
PO Box 578
300 W EVERGREEN ST
DURANT OK 74702

REP	TERMS
RICK	NET 30

DESCRIPTION	QTY	COST	TOTAL
DANFOSS VFD DANFOSS FC202-N110-T4-E20-H2-X-G-C-X-X-SXXX-X-AX-BX-CX-X-XX-DX. 150 HP, 380-480 VAC 3 PHASE INPUT AND 160 AMP NORMAL LOAD OUTPUT, NEMA 1 ENCLOSURE SIZE IS APPROXIMATELY 13" WIDE BY 15" DEEP BY 34" HIGH AND WEIGHS ABOUT 135 POUNDS. THERE NEEDS TO BE ABOUT 10 INCHES OF CLEARANCE ON TOP AND BOTTOM FOR COOLING AIR FLOW	2	9,575.00	19,150.00
INSTALL AND STARTUP ESTIMATED AT 1 DAY MVA SERVICE TECHNICIAN / MECHANICAL SPECIALIST	1	1,750.00	1,750.00
CREW TECHNICIAN / MECHANICAL SPECIALIST SERVICE TRUCK / EQUIPMENT CHARGE 3-4 WEEKS ARO	1	150.00	150.00
MATERIALS IF NEEDED WILL BE A ADDER			
IF EXTRA LABOR OR MATERIALS NOT DESCRIBED ABOVE ARE REQUIRED, THE OWNER WILL BE NOTIFIED FOR APPROVAL BEFORE WORK IS COMPLETED. THIS QUOTE IS GOOD FOR 90 DAYS FROM THE DATE REFERENCED ABOVE. WE THANK YOU FOR CONSIDERING MVA SERVICES FOR YOUR SERVICE NEEDS.		TOTAL	\$21,050.00

THANKS

MIKE

MVA SERVICES

SERVICE YOU CAN COUNT ON!

MIKE@MVASERV.COM

OFFICE 214-502-6432

CELL 214-538-0932



GLOBAL ENERGY SOLUTIONS, LLC

Corporate Offices: P.O. BOX 892277
Oklahoma City, Oklahoma 73189
TOLL FREE: 1-844-795-3705

QUOTE

DATE	QUOTE #
8/5/2019	4893
SALES REP	JOB #/PROJECT
HSE	
P.O. NO.	

CUSTOMER CONTACT INFORMATION

Non-Account Holder (OKC)
City of Durant

PER YOUR INQUIRY, WE ARE PLEASED TO QUOTE THE FOLLOWING ITEMS AND/OR SERVICES. CONTACT OUR SALES TEAM WITH COMMENTS AND QUESTIONS AT SALES@GLOBAL-NRG.COM OR 1-844-795-3705.

PRODUCT/SERVICE CODE	PRODUCT/SERVICE DESCRIPTION	QTY	U/M	UNIT PRICE	TOTAL
150F4445VPVSS-US	US Hp: 150/99, RPM: 1800/1200, Frame: H445VP, Enclosure: WPI, VSS	2	ea	27,405.00	54,810.00
CIMR-PU4A0208AAA	Yaskawa P1000 drive 480 V., 150 HP, 208 A., Protected Chassis Enclosure	2	ea	8,136.92	16,273.84
	NOT INSTALLED				

SIGNATURE:

DATE:

PROJECT
TOTAL

USD 76,948.25

PLEASE SIGN THIS QUOTE OR SEND A PURCHASE ORDER FOR APPROVAL. SIGNED QUOTES AND PO'S CAN BE SENT TO SALES@GLOBAL-NRG.COM.

ALL PRICES QUOTED IN US DOLLARS	EQUIPMENT SUBJECT TO PRIOR SALE
CHANGE ORDERS MAY DELAY SHIPMENTS AND ALTER PRICING	PRICES EXCLUDE SHIPPING/FREIGHT FEES
STANDARD TERMS ARE N30 DAYS. *REFER TO CONTRACT FOR TERMS ON ALL PROJECTS AND EQUIPMENT PACKAGES.	PRICES EXCLUDE APPLICABLE SALES TAX
WE GLADLY ACCEPT CASH, CHECK, WIRE/ACH, AND ALL MAJOR CREDIT CARD PAYMENTS.	THIS QUOTE IS VALID FOR 30 DAYS FROM QUOTE DATE
	A 3% CONVENIENCE FEE WILL BE CHARGED ON ALL CREDIT CARD PAYMENTS OVER \$1000.00

PLEASE REFER TO OUR COMPLETE LIST OF TERMS AND CONDITIONS LOCATED AT WWW.GLOBAL-NRG.COM

.GLOBAL ENERGY SOLUTIONS, LLC . 1-844-795-3705 . GLOBAL-NRG.COM .

SERVICE ELECTRIC

(Contractor #17554)
PO Box 2000
Kilgore, TX 75663

Estimate

Date Estimate #

9/3/2019 240

Name / Address

CITY OF DURANT

A & R Enterprises, Inc. d.b.a Service Electric
P.O. Box 1578, Kilgore, TX 75663
Contractor Licensing #17544

Regulated by the Texas Department of Licensing and Regulation, P.O. Box
12157, Austin, TX 78711
1-800-803-9202, 512-463-6599
Website: <http://www.tdlr.texas.gov>

Please contact Mr. Nick Sloan, at the number listed above, if you have any questions concerning this estimate.

Phone #	E-mail	Project	
9039849057	serviceelectric9057@gmail.com		
Qty	Description	U/M	Total
	RAW WATER STATION		
	ESTIMATE FOR HOOKING UP NEW DRIVE ON RAW WATER STATION PUMPS.		
1	MATERIALS*	ea	20,543.44T
1	TRUCKS, TOOLS, & EQUIPMENT	hr	1,948.00T
1	LABOR	hr	3,564.00
1	CONTINGENCY	ea	3,944.56T
	*SERVICE ELECTRIC HIGHLY RECOMMENDS THE ADDITION OF FILTERS TO BOTH DRIVES. THIS WOULD ADD AN ADDITIONAL \$3,400.00 TO THE AMOUNT LISTED BELOW.		
	EMAIL TO: phightower@durant.org		
	Sales Tax		0.00
PLUS SALES TAX, IF APPLICABLE.		Total	\$30,000.00

Estimate is VOID after 60 days.

lw



The City of Durant

Office of City Clerk

Memorandum

Date: 9/4/2019
To: Utilities Authority
From: Kenny Cooper, Supervisor, Solid Waste
Landfill
Re: Landfill Information and Reports - August 2019

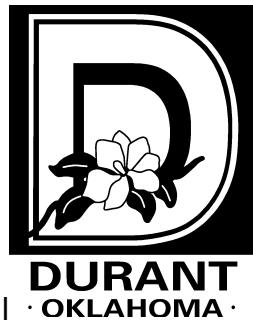
Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Project Schedule - August 2019	Exhibit	9/6/2019
DEQ Report - August 2019	Exhibit	9/6/2019



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE ***August 2019***

A. Work Completed for August:

1. Covered C & D Site
2. Hauled MSW To SORD
3. picked up 355 rolloff's & 10 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. '19 – Dec. '19:

Approx. Start – Finish Date:

- | | |
|--------------------------|---------------------|
| 1. Haul trash to Ardmore | 1-2019 thru 12-2019 |
|--------------------------|---------------------|

D. Projects Planned And Requested For Authorization:

1. None.



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: AUGUST 2019

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: 26

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	247.07									
2	180.47									
3	2.93									
4										
5	133.39									
6	112.96									
7	82.18									
8	95.04									
9	86									
10	37.12									
11										
12	246.47									
13	320.95									
14	56.16									
15	107.15									
16	152.4									
17	62.66									
18										
19	117.11									
20	111.42									
21	95.09									
22	108.69									
23	63.93									
24	11.05									
25										
26	67.46									
27	4.75									
28	73.12									
29	94.74									
30	49.99									
31										
Total	2720.3	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: Timmy Cooper

Phone #: 580-924-8358

Date: 9-4-19



The City of Durant

Office of the Solid Waste Department

Memorandum

Date: 9/3/2019
To: Utilities Authority
From: Albert Pierce, Solid Waste Department
Superintendent
Re: Solid Waste Department Monthly Report - August
2019

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 2019	Exhibit	9/3/2019



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE ***August 2019***

A. Work Completed:

1. Hauled 20.08 tons of extra hauling
2. Hauled 52 loads of extra hauling
3. Picked up and delivered 21 sharps
4. 1 abatement this month
5. Cleaned Sunny Side rd. 2 time
6. Refurbished dumpsters
7. Replaced 10 dumpsters with new
8. Cleaned dead ends of Cemetery rd. 2 time

B. Work Planned For September

1. Refurbish. dumpsters
- 2.

C. Work Planned For Jan. '1-19 – Dec. 31-19

1. Pick up trash

D. Projects Planned And Requested For Authorization:

1. None.



The City of Durant

Office of City Clerk

Memorandum

Date: 9/3/2019
To: Utilities Authority
From: Stephanie Barfield, Utility Billing Supervisor
Re: Utility Department Monthly Report - August 2019

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Utility Department Monthly Report - August 2019	Cover Memo	9/3/2019



Monthly Utility Billing, Cash Collection, And Consumption Summary

AUGUST 2019

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	6905		6051		6658	
Total Revenue Billed	\$443,911.69	\$810,865.19	\$253,121.51	\$494,274.84	\$376,793.38	\$737,546.17
Adjustments in Dollar	(\$6,292.03)	(\$7,886.08)	(\$27,256.33)	(\$28,597.69)	(\$11,600.88)	(\$16,359.72)
TOTAL CASH RECEIPTS	\$303,532.82	\$607,115.51	\$151,138.52	\$335,270.79	\$269,996.59	\$573,238.48

CONSUMPTION IN GALLONS	133,348,700
------------------------	-------------

NEW SERVICE APPLICATIONS	212
NUMBER OF WALK IN/PHONE PAYMENTS	1,687
MAIL PAYMENTS	1,456
CREDIT CARD PAYMENTS	992
WEB PAYMENTS	1,003
DROP BOX PAYMENTS	477
BANK DRAFT PAYMENTS	822
CREDIT CARD DRAFT PAYMENTS	183
KIOSK	905
OTHERS	



The City of Durant

Office of the Water and Sewer Maintenance Department

Memorandum

Date: 8/29/2019
To: Utilities Authority
From: Jay Neal- Utility Line Maintenance Supervisor
Re: Utility Line Maintenance Report- August 2019

-
1. Received the SL-RAT. Will resume deployment on September 12th.
 2. By the end of September, the department will have 2 working rod trucks, where historically, we've only ever had one. This will allow faster service for wastewater backups and plumber assistance.
 - a. Potential small revenue boost as well, since some of the smaller municipalities utilize our rod trucks at a billed rate.
 - b. 2nd truck will also be portable, as it will be attached to a trailer that can be hitched to any crew truck.
 3. Work on the Mooney Lift Station upgrade will begin in October with the installation of the accompanying force main.

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
August 2019 Council Attachment	Cover Memo	9/6/2019

August 2019

Leaks:	81
Sewer Stops:	8
Taps:	13
Other Completed Jobs:	320
Total Jobs:	422
Carryover Balance to Next Month	43

Jobs/Day	11.66
Jobs/Week	25.5
Jobs/Month	102

Added Leaks	25
Taps	7



The City of Durant

Public Works Director

Memorandum

Date: 9/6/2019
To: Utilities Authority
From: Ray Anthony - Wastewater Treatment Plant
Superintendent
Re: Wastewater Treatment Plant Monthly Report - August
2019

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Wastewater Treatment Plant Monthly Report - August 2019	Exhibit	9/6/2019
Waste Water Treatment Plant Projects Schedule - August 2019	Exhibit	9/6/2019

ENVIRONMENTAL RESOURCE TECHNOLOGIES, LLC

EPA laboratory code: OK00921

Oklahoma DEQ State ID No. 8304 9915

Certificate of Analysis

Client: Durant PWA WWTP

Date Received: 08/21/19

Project: WWTP Effluent

Report Date: 08/30/19

ERT Lab	Sample	Date	Analysis	Analysis	Analysis	Parameter	Results	Units	RL	Method
Log #	Identification	Sampled	Date	Time	By					
WW1908463	Effluent	08/21/19	08/27/19	16:51	JNJ	Preparation	-			EPA 625.1
			08/28/19	06:31	JNJ	Bis(2-Ethylhexyl)phthalate	BDL	µg/L	3.00	EPA 625.1
			08/28/19	06:31	JNJ	Nitrobenzene-d5 (Surr)	51.5	% Rec	15.0-314	EPA 625.1
			08/28/19	06:31	JNJ	2-Fluorobiphenyl (Surr)	60.8	% Rec	22.0-127	EPA 625.1
			08/28/19	06:31	JNJ	p-Terphenyl-d14 (Surr)	57.6	% Rec	29.0-141	EPA 625.1


Laboratory Authorized Signature

RL = Reporting Limit

BDL = Analyte Detected Below RL

JNJ = Subcontracted to ODEQ State ID #9915

OUR LETTERS AND REPORTS APPLY ONLY TO THE SAMPLE TESTED AND/OR INSPECTED, AND ARE NOT INDICATIVE OF THE QUANTITIES OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS. UNLESS NOTIFIED IN WRITING, SAMPLES ARE DISPOSED OF 15 DAYS AFTER THE SAMPLE IS REPORTED

Page 1 of 1

131 Arlington St. Ada OK 74820
(580) 332-8808 Phone (580) 421-9110 Fax

ENVIRONMENTAL RESOURCE TECHNOLOGIES, LLC

EPA laboratory code: OK00921

Oklahoma DEQ State ID No. 8304 9915

Quality Control Report

Client: Durant PWA WWTP

Date Received: 08/21/19

Project: WWTP Effluent

Report Date: 08/30/19

Date Sampled	Parameter	Method	RL (µg/L)	RPD %	BLANK	Spike % Recovery	Standard % Recovery
08/21/19	Bis(2-Ethylhexyl)phthalate	EPA 625.1	3.00	8.23	BDL	65.8	59.0
	Nitrobenzene-d5 (Surr)	EPA 625.1	% Rec	NA	43.9	44.7	37.2
	2-Fluorobiphenyl (Surr)	EPA 625.1	% Rec	NA	46.0	48.7	42.6
	p-Terphenyl-d14 (Surr)	EPA 625.1	% Rec	NA	57.6	59.3	53.2


Laboratory Authorized Signature

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Page 1 of 1

131 Arlington St. Ada OK 74820
(580) 332-8808 Phone (580) 421-9110 Fax

131 Arlington St. Ada, Oklahoma 74820
Phone (580) 332-8808 Fax (580) 421-9110

CHAIN OF CUSTODY

Durant PWA WWTP

Client Name:

PROJECT NAME: Final EIT

[illegible]

Comments:

Red on ice < 6°C

Requested by Lab By <i>Angela Beckman</i>	Date/Time 8/31/19 7:30	Received By <i>Angela Beckman</i>	Date/Time 8-21-19 1044
Requisitioned by <i>Angela Beckman</i>	Date/Time 8/31/19	Received By <i>Angela Beckman</i>	Date/Time 8-21-19 1455
Retransmitted to Lab By <i>Angela Beckman</i>	Date/Time 8-21-19	Received By <i>Angela Beckman</i>	Date/Time 8-21-19 1455

Send Invoice To

Address

Phone/Fax Number

Email

Attn: Caryn Carl

Durant PWA WWTP

1222 Ovine Rd

Durant OK 74701

(580)324-3416 / (580)924-8344

mccoy@durant.org

ENVIRONMENTAL RESOURCE TECHNOLOGIES, LLC

EPA laboratory code: OK00921

Oklahoma DEQ State ID No. 8304 9915

Certificate of Analysis

Client: Durant PWA WWTP

Date Received: 08/07/19

Project: WWTP Effluent

Report Date: 08/15/19

ERT Lab	Sample	Date	Analysis	Time	Analized	Parameter	Results	Units	RL	Method
Log #	Identification	Sampled	Date		By					
WW1908133	Effluent	08/07/19	08/12/19	17:09	AAT	Preparation				EPA 625.1
			08/13/19	19:00	AAT	Bis(2-Ethylhexyl)phthalate	BDL	µg/L	3.00	EPA 625.1
			08/13/19	19:00	AAT	Nitrobenzene-d5 (Surr)	40.1	% Rec	15.0-314	EPA 625.1
			08/13/19	19:00	AAT	2-Fluorobiphenyl (Surr)	53.9	% Rec	22.0-127	EPA 625.1
			08/13/19	19:00	AAT	p-Terphenyl-d14 (Surr)	52.1	% Rec	29.0-141	EPA 625.1

Laboratory Authorized Signature

RL = Reporting Limit

BDL = Analyte Detected Below RL

AAT = Subcontracted to ODEQ State ID #9915

OUR LETTERS AND REPORTS APPLY ONLY TO THE SAMPLE TESTED AND/OR INSPECTED, AND ARE NOT INDICATIVE OF THE QUANTITIES OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS. UNLESS NOTIFIED IN WRITING, SAMPLES ARE DISPOSED OF 15 DAYS AFTER THE SAMPLE IS REPORTED.

Page 1 of 1

131 Arlington St. Ada OK 74820
(580) 332-8808 Phone (580) 421-9110 Fax

ENVIRONMENTAL RESOURCE TECHNOLOGIES, LLC

EPA laboratory code: OK00921

Oklahoma DEQ State ID No. 8304 9915

Quality Control Report

Client: Durant PWA WWTP

Date Received: 08/07/19

Project: WWTP Effluent

Report Date: 08/15/19

Date						Spike	Standard
Sampled	Parameter	Method	RL (µg/L)	RPD %	BLANK	% Recovery	% Recovery
08/07/19	Bis(2-Ethylhexyl)phthalate	EPA 625.1	3.00	0.0	BDL	39.8	42.6
	Nitrobenzene-d5 (Surr)	EPA 625.1	% Rec	NA	45.0	55.4	33.0
	2-Fluorobiphenyl (Surr)	EPA 625.1	% Rec	NA	60.2	49.3	52.3
	p-Terphenyl-d14 (Surr)	EPA 625.1	% Rec	NA	61.4	44.6	46.2


Laboratory Authorized Signature

RL = Reporting Limit

BDL = Analyte Detected Below RL

OUR LETTERS AND REPORTS APPLY ONLY TO THE SAMPLE TESTED AND/OR INSPECTED, AND ARE NOT INDICATIVE OF THE QUANTITIES OF APPARENTLY IDENTICAL OR SIMILAR PRODUCTS. UNLESS NOTIFIED IN WRITING, SAMPLES ARE DISPOSED OF 15 DAYS AFTER THE SAMPLE IS REPORTED.

Page 1 of 1

131 Arlington St. Ada OK 74820
(580) 332-8808 Phone (580) 421-9110 Fax

**National Pollutant Discharge Elimination System (NPDES)
Oklahoma Department of Environmental Quality Discharge Monitoring Report (DMR)**

PERMITTEE NAME: Durant City Utilities Authority
MAILING ADDRESS: P.O. Box 578
Durant, OK 74702
FACILITY: Durant WWT
LOCATION: 1222 Davis Rd
Durant, OK 74702

PERMIT NUMBER: OK0039063
MONITORING POINT: 001A

COUNTY: Bryan

Monitoring Period: 2019-05-01 To 2019-05-31

NO DISCHARGE FROM SITE: ()

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
OXYGEN, DISSOLVED (DO)	Sample Measurement	*****	*****		4.9	*****	*****		0	Daily	GRAB
PARAM CODE: 09300 Stage Code: 1 Effluent Gross	Permit Requirement	*****	*****		5 Months Minimum	*****	*****	19 mg/l	0	Daily	GRAB
pH	Sample Measurement	*****	*****		6.7	*****	7.5		0	Daily	GRAB
PARAM CODE: 09400 Stage Code: 1 Effluent Gross	Permit Requirement	*****	*****		6.5 Minimum	*****	9 Maximum	12 S.U.	0	Daily	GRAB
SOLIDS, TOTAL SUSPENDED	Sample Measurement	78.71	*****		*****	3.9	6.0		0	Weekly	COMP24
PARAM CODE: 09530 Stage Code: 1 Effluent Gross	Permit Requirement	441.1 Monthly Average	*****	26 lbs/day	*****	18 Monthly Average	23 Weekly Average	19 mg/l	0	Weekly	COMP24
NITROGEN, AMMONIA TOTAL (AS N)	Sample Measurement	5.42	*****		*****	20	20		0	Weekly	COMP24
PARAM CODE: 09610 Stage Code: 1 Effluent Gross	Permit Requirement	50.2 Monthly Average	*****	26 lbs/day	*****	2 Monthly Average	3 Weekly Average	19 mg/l	0	Weekly	COMP24
BIS (2,4-DITHYDREXYL) PHTHALATE	Sample Measurement	*****	*****		*****	3	3		0	Twice Per Month	COMP24
PARAM CODE: 39190 Stage Code: 1 Effluent Gross	Permit Requirement	*****	*****		*****	Report Monthly Average	Report Maximum Daily	28 mg/l	0	Twice Per Month	COMP24
FLOW IN CONDUIT OR THROUGH TREATMENT PLANT	Sample Measurement	2.4	2.0		*****	*****	*****		0	Daily	TOTALZ
PARAM CODE: 50050 Stage Code: 1 Effluent Gross	Permit Requirement	Report Monthly Average	Report Maximum Daily	0.3 MGID	*****	*****	*****		0	Daily	TOTALZ
E. COLI	Sample Measurement	*****	*****		*****	12	45		0	Twice Every Week	GRAB
PARAM CODE: 51040 Stage Code: 1 Effluent Gross	Permit Requirement	*****	*****		*****	126 Geometric Mean	406 Maximum Daily	3Z CFU/100ml	0	Twice Every Week	GRAB
Name/Title of Principal Executive Officer Or Authorized Agent					Signature of Principal Executive Officer Or Authorized Agent			Telephone No.		Date (MM/DD/YY)	
Lab says					George McAnland			580-924-7416			

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

Page 1

**National Pollutant Discharge Elimination System (NPDES)
Oklahoma Department of Environmental Quality Discharge Monitoring Report (DMR)**

PERMITTEE NAME: Durant City Utilities Authority
MAILING ADDRESS: P.O. Box 576
Durant, OK 74702
FACILITY: Durant WWI
LOCATION: 1222 Davis Rd
Durant, OK 74702

PERMIT NUMBER: OK0039063
MONITORING: 091A
POINT: 01

COUNTY: Bryan

Monitoring Period: 2019-08-01 To 2019-08-31

NO DISCHARGE FROM SITE: 0

Parameter	Quantity or Loading	Units	Quality or Concentration	Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, CARBONACEOUS 5 DAY 20°C	Sample Measurement	40.7	*****	2.0	2.0	0	Weekly
PARAM CODE: 80982	Permit Requirement	206.3	*****	10	15	19	Weekly
Stage Code: 1	Monthly Average	beday	Monthly Average	Weekly Average	mg/l		COMP24
Effluent Group							
Name/Title of Principal Executive Officer Or Authorized Agent	I hereby certify that the information furnished on this report is true and correct. I am aware that this report is subject to audit and that furnishing false or misleading information on this report is a violation of the Clean Water Act and may result in civil or criminal sanctions.						Signature of Principal Executive Officer Or Authorized Agent George McAusland
Lab signy							Telephone No 580-924-3476
						Date (MM/DD/YYYY) Page 2	

COMMENT AND EXPLANATION OF ANY VIOLATIONS (reference all attachments here)

**E2 Receipt**

Here is your report submission receipt. Click here to print.

Submission ID: 24468

Submitted on 9/5/2019 2:34:36 PM, at 204.87.81.131

Submitted by: George McAusland
Durant WWT
917 S Oak
Mcalester, OK 74501
918-429-6775
eveready97@gmail.com

Report Detail

Summary Discharge Monitoring Report
Facility Name Durant WWT
Permit Number OK0039063
Report Frequency MONTHLY
Report Period 08/01/2019 - 08/31/2019

Attachment Detail

Online Attachments

Mail Attachments

Mail to Address:

Mail in the following attachment(s):

Thank you for using E2 system!

AUGUST 2019

MONTH OF

CITY OF DURANT WASTEWATER TREATMENT PLANT MONTHLY OPERATION REPORT

CITY OF DURANT WASTEWATER TREATMENT PLANT MONTHLY OPERATION REPORT																														
DAY	DATE	WEATHER		INFLUENT (MGD)	FLOW	PUMPS		INFLUENT DATA				SLUDGE		SBR DATA				DMR				Effluent		Visible Form or Floating Solids in Discharge/ Comments:						
		RAINFALL (in.)	LAIR TEMP			EFFLUENT (MGD)	RAW PUMP ONLINE	EFFLUENT PUMP ONLINE	pH	SETTLABLE SOLIDS ml/L	Head works BOD ₅	Over the Weir BOD ₅	TSS	FEED SLUDGE (GPD)	GRT ONLINE	REACTOR #1	SETTLABILITY	REACTOR #2	SETTLABILITY	REACTOR #3	SETTLABILITY	REACTOR #4	SETTLABILITY		D.O. mg/L	pH	TSS mg/L	AMMONIA mg/L	CBOD ₅	FECAL COLIFORM #/100ml
T	8/1/19	0	73	2.16	2.5	1	3						24211	55359									7.1	7.2	5.0	0.2	3.0			NO
F	8/2/19	0	75	2.4	2.4	1	3	7.0	5	96	96	68	18430	6960									6.9	7.0						NO
S	8/3/19	1.14	82	2.5	2.4	1	3						17111										7.4	7.1						NO
S	8/4/19	0.09	85	2.7	2.5	1	3						16257										6.9	7.0						NO
M	8/5/19	0	76	2.5	2.5	1	3						16425	0									7.4	7.4			4			NO
T	8/6/19	0	76	2.4	2.4	1	3	7.2	6				18745	0									6.8	7.3	6.0	0.2	2.0	3	43	NO
W	8/7/19	0	80	2.4	2.4	1	3	7.1	10	76.7	129	84	17499	0									6.5	6.8						NO
T	8/8/19	0	80	2.4	2.5	1	3						27054	0									6.4	7.3						NO
F	8/9/19	0	78	2.3	2.3	1	3						26360	0									6.7	7.3						NO
S	8/10/19	0	90	2.1	2.0	1	3						24502										6.8	7.4						NO
S	8/11/19	0	89	2.0	2.0	1	3						24404	0									6.1	6.1						NO
M	8/12/19	0	81	2.4	2.3	1	3						20480	0									6.6	7.3						NO
T	8/13/19	0	77	2.5	2.5	1	3						21204	0									6.6	7.3						NO
W	8/14/19	0.33	78	2.7	2.7	1	3	7.1	4	111.6	123.1	80	18476	0									6.8	7.3	6.9	0.5	2.0	6		NO
T	8/15/19	0	79	2.4	2.4	1	3	7.1	4				17550	6642									6.8	7.1						NO
F	8/16/19	0	77	2.3	2.3	1	3	7.2	10				18242	0									6.5	7.0						NO
S	8/17/19	0	88	2.3	2.3	1	3						20096										5.9	7.1						NO
S	8/18/19	0	89	2.3	2.3	1	3						21790										5.9	7.1						NO
M	8/19/19	0	77	2.6	2.5	1	3	7.2	7				17408	0									6.5	7.5			10			NO
T	8/20/19	0	78	2.5	2.5	1	3	7.3	8				16832	0									6.8	7.2						NO
W	8/21/19	0	78	2.5	2.5	1	3	7.2	10	84.9	120	68	110346	0									6.8	7.3						NO
T	8/22/19	0	76	2.5	2.4	1	3						16906	0									6.7	7.0						NO
F	8/23/19	0.54	76	2.9	2.7	1	3						17174	0									6.7	7.0						NO
S	8/24/19	0.15	73	2.4	2.4	1	3						17180										6.6	7.2						NO
S	8/25/19	0	73	2.3	2.3	1	3						16714										7.0	7.2						NO
M	8/26/19	0	76	2.4	2.4	1	3						18426	0									6.7	7.2						NO
T	8/27/19	0.57	73	2.4	2.4	1	3						17460	0									6.8	7.2						NO
W	8/28/19	0	72	2.2	2.2	1	3			128.9	124	92	18706	0									6.7	7.3						NO
T	8/29/19	0	73	2.2	2.2	1	3						18568	31875									6.7	7.3						NO
F	8/30/19	0.54	75	2.8	2.8	1	3						18684	34398									6.7	7.0						NO
S	8/31/19	0	69	2.3	2.3	1	3						18564										6.4	6.9						NO



The City of Durant
Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK PLANNED FOR AUGUST 2019

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS 8/2/2019
- 3: CLEAN BLEND TANK MIXER Off for Repair
- 4: CLEAN EFFLUENT PUMP STATION ----- Not Needed
- 5: CLEAN RAW WATER PUMP STATION -----Not Needed
- 6: CLEAN SCUM PUMP STATION ----8/6/2019
- 7: CLEAN DRAIN LIFT STATION 8/8/2019
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER 8/5/2019
- 9: CALIBRATE DISCHARGE DO & PH METER 8/5/2019
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER 8/7/2019
- 11: RESET SBR PLC ---- Not Needed
- 12: WASH DOWN STEP SCREEN 8/13/2019
- 13: CLEAN UV TROUGHS AND FLUME 8/8/2019
- 14: CHECK ELECTRIC MANHOLES 8/29/2019
- 15: CLEAN OUT BUILDINGS 8/14/2019
- 16: MANUALLY CHECK U.V. BULBS 8/12/2019
- 17: WASH DOWN CASINO STEPSCREEN 8/12/2019
- 18: CHECK ALL AUTOMATIC VALVES ---- On Going
- 19: VEHICLE INSPECTION 8/14/2019
- 20: WALK-THRU INSPECTION 8/5/2019
- 21: CLEAN ALL PLC's Not Needed
- 22: CLEAN D.O. METERS 8/20/2019
- 23: CHECK CLARIFIER OIL WEEKLY 8/5/2019 8/12/2019 8/22/2019 8/30/2019



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 9/3/2019
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Water Treatment Plant Monthly Reports - August 2019

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
August 2019 MOR #1	Exhibit	9/3/2019
August 2019 MOR #2	Exhibit	9/3/2019
August 2019 CLO2 MOR	Exhibit	9/3/2019
August 2019 Monthly Maintenance Report	Exhibit	9/3/2019

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT (MOR)- LT2 ADDENDUM NEEDED
CONVENTIONAL OR DIRECT FILTRATION (Free Chlorine)

Plant: Durant WTP
PWSID: 1010601
County: Bryan
Month: Aug-19

Durant City Utilities Authority										PO Box 578										Durant										74702																							
System										Address										City										ZIP																							
D a y	WATER TREATED (in 1,000 gal)	FILTER OPERATION								WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS.								ALKALINITY - RAW				ALKALINITY - FILTERED				pH			CaCO3 STABILITY Method:	HARDNESS (ppm)		Special Test		REMARKS																		
		FILTERS USED-HOURS									ALUM	LIME	POLYMER Name:	NAOH	Chlorite	Fluoride Name:	CHLORINE				AM	PM			AM	PM	AM	AM	PM		RAW	FILT	RAW	FILT		RAW	FILT																
																	PRE	POST																																			
		1	5344.0	24	0	24	24	24	24		24	23	35.0	1700.0	0.0	0.0	0.0	320.0	0.0	100.0	100.0			260.0	238.0			236.0	222.0	7.4	7.4	7.3	258.0	258.00		246.00																	
2	5287.0	24	0	24	24	24	24	24	24		1800.0	0.0	0.0	0.0	320.0	0.0	100.0	120.0			244.0	234.0			238.0	220.0	7.4	7.3	7.4	230.0	262.00	252.00																					
3	5246.0	24	0	24	24	24	24	24	24		1200.0	0.0	0.0	0.0	320.0	0.0	100.0	100.0			246.0	230.0			234.0	220.0	8.0	7.3	7.1	230.0	256.00	258.00																					
4	4950.0	23	0	23	23	24	24	23	23	170.0	3200.0	0.0	0.0	0.0	320.0	0.0	180.0	100.0			232.0	190.0			218.0	214.0	7.9	7.4	7.5	222.0	230.00	244.00																					
5	4932.0	24	0	24	24	23	23	24	24	65.0	5800.0	0.0	0.0	0.0	320.0	0.0	140.0	100.0			228.0	240.0			200.0	170.0	7.9	7.2	7.1	226.0	236.00	236.00																					
6	5172.0	24	0	24	24	24	24	24	24		2700.0	0.0	0.0	0.0	320.0	0.0	130.0	120.0			246.0	246.0			178.0	206.0	7.8	6.9	6.7	192.0	244.00	244.00																					
7	5120.0	24	0	24	24	24	24	24	24		2800.0	0.0	0.0	0.0	320.0	0.0	140.0	100.0			236.0	254.0			200.0	222.0	7.9	7.1	7.1	200.0	244.00	252.00																					
8	5515.0	23	0	23	23	24	24	24	24	105.0	1900.0	0.0	0.0	0.0	320.0	0.0	140.0	100.0			250.0	248.0			224.0	212.0	8.1	7.2	7.4	218.0	260.00	262.00																					
9	5496.0	24	0	24	24	24	24	23	23	76.0	2300.0	0.0	0.0	0.0	340.0	0.0	130.0	130.0			232.0	226.0			222.0	214.0	8.1	7.4	7.5	222.0	256.00	258.00																					
10	5506.0	24	0	24	24	23	23	24	24	76.0	2000.0	0.0	0.0	0.0	340.0	0.0	120.0	120.0			224.0	214.0			212.0	202.0	8.2	7.5	7.5	222.0	268.00	238.00																					
11	5577.0	24	0	24	24	24	24	24	24		2300.0	0.0	0.0	0.0	340.0	0.0	125.0	125.0			234.0	242.0			196.0	190.0	8.3	7.5	7.6	202.0	234.00	234.00																					
12	5702.0	23	0	23	23	24	24	24	24	105.0	2200.0	0.0	0.0	0.0	340.0	0.0	125.0	125.0			240.0	246.0			206.0	208.0	8.1	7.3	7.5	190.0	236.00	236.00																					
13	5684.0	24	0	24	24	24	24	23	23	70.0	2300.0	0.0	0.0	0.0	350.0	0.0	120.0	120.0			236.0	244.0			220.0	222.0	8.1	7.9	7.3	214.0	264.00	252.00																					
14	6022.0	24	0	24	24	23	23	24	24	70.0	2100.0	0.0	0.0	0.0	350.0	0.0	120.0	120.0			238.0	242.0			206.0	216.0	8.2	7.4	7.4	204.0	242.00	236.00																					
15	5755.0	24	0	24	24	24	24	24	24		2100.0	0.0	0.0	0.0	350.0	0.0	120.0	120.0			232.0	230.0			204.0	204.0	8.1	7.3	7.4	202.0	238.00	242.00																					
16	5148.0	23	0	23	23	24	24	24	24	140.0	1400.0	0.0	0.0	0.0	350.0	0.0	120.0	140.0			234.0	250.0			220.0	204.0	8.2	7.4	7.6	206.0	254.00	252.00																					
17	4897.0	24	0	24	24	24	24	23	23	70.0	1500.0	0.0	0.0	0.0	320.0	0.0	140.0	120.0			244.0	232.0			214.0	210.0	8.0	7.6	7.5	226.0	230.00	234.00																					
18	5544.0	24	0	24	24	23	23	24	24	70.0	1600.0	0.0	0.0	0.0	340.0	0.0	130.0	130.0			240.0	230.0			216.0	212.0	8.1	7.5	7.5	218.0	242.00	248.00																					
19	5549.0	24	0	24	24	24	24	24	24		1500.0	0.0	0.0	0.0	340.0	0.0	120.0	120.0			234.0	244.0			216.0	216.0	8.2	7.5	7.6	208.0	244.00	238.00																					
20	5719.0	23	0	23	23	24	24	24	24	105.0	1600.0	0.0	0.0	0.0	340.0	0.0	120.0	120.0			234.0	242.0			208.0	228.0	8.2	7.4	7.5	208.0	250.00	236.00																					
21	5936.0	24	0	24	24	24	24	23	23	70.0	1600.0	0.0	0.0	0.0	340.0	0.0	150.0	150.0			250.0	246.0			222.0	224.0	8.1	7.3	7.5	220.0	246.00	240.00																					
22	5900.0	24	0	24	24	23	23	24	24	70.0	1600.0	0.0	0.0	0.0	340.0	0.0	140.0	140.0			238.0	232.0			212.0	216.0	8.2	7.3	7.5	220.0	266.00	270.00																					
23	5995.0	24	0	24	24	24	24	24	24		2700.0	0.0	0.0	0.0	340.0	0.0	130.0	130.0			228.0	236.0			220.0	218.0	8.2	7.3	7.7	222.0	260.00	266.00																					
24	5400.0	23	0	23	23	24	24	24	24	105.0	5800.0	0.0	0.0	1100.0	340.0	0.0	200.0	140.0			208.0	146.0			212.0	208.0	8.0	7.2	8.1	220.0	226.00	248.00																					
25	4717.0	24	0	24	24	24	24	23	23	70.0	4500.0	0.0	0.0	1513.0	340.0	0.0	160.0	100.0			90.0	186.0			170.0	140.0	7.9	7.7	7.7	210.0	126.00	210.00																					
26	4549.0	24	0	24	24	23	23	24	24	70.0	5000.0	0.0	0.0	1375.0	340.0	0.0	220.0	120.0			110.0	106.0			130.0	112.0	7.7	7.7	7.8	162.0	114.00	170.00																					
27	4575.0	24	0	24	24	24	24	24	24		4600.0	0.0	0.0	1650.0	340.0	0.0	220.0	120.0			108.0	122.0			90.0	88.0	7.4	7.1	7.5	126.0	136.00	132.00																					
28	5111.0	23	0	23	23	24	24	24	24	105.0	4600.0	0.0	0.0	963.0	340.0	0.0	270.0	150.0			118.0	126.0			106.0	94.0	7.6	7.3	7.2	98.0	178.00	150.00																					
29	5383.0	24	0	24	24	24	24	23	23	70.0	4700.0	0.0	0.0	1375.0	340.0	0.0	260.0	220.0			120.0	130.0			102.0	98.0	7.6	7.3	7.4	98.0	150.00	148.00																					
30	5492.0	24	0	24	24	23	23	24	24	72.0	3900.0	0.0	0.0	1650.0	340.0	0.0	240.0	120.0			156.0	144.0			112.0	120.0	7.6	7.2	7.8	112.0	152.00	146.00																					
31	5589.0	24	0	24	24	24	24	24	24		6000.0	0.0	0.0	1100.0	340.0	0.0	300.0	120.0			132.0	110.0			138.0	132.0	7.6	7.4	7.6	132.0	160.00	172.00																					
Tot	166812.0	737		737	737	737	737	737	736	1789.0	89000.0				10400.0		4810.0	3840.0			6522.0	6506.0			5982.0	5862.0				6962.00	7050.00																						
Avg	5381.0					24	24	24	24	85.2	2871.0				335.5		155.2	123.9			210.4	209.9			193.0	189.1	7.9	7.4	7.5	197.4	224.58	227.42																					
Power Costs	\$20,807.13																																																				
Labor Costs	\$49,250.80																																																				
Chemicals	\$20,592.18																																																				
Supplies	\$1,065.58																																																				
Repairs	\$1,756.47																																																				
Testing Cost	\$1,200.00										\$0.00																																										
TOTAL	\$94,672.16																																																				
Cost per thousand gallons																																\$0.57																					
												Ave Rate of Wash (Vert. in/min)																				I hereby certify the above to be correct to the best of my knowledge.																					
												Ave Wash Period (Minutes)																																									
												% Wash Water Used												1.07%								Signed																					
												Ave. Head Loss for Washing																				Title																					
																																DEQ Form # 630-577 Revised 5/21/2018										Oper. Cert. No.											



OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT (MOR)- LT2 ADDENDUM NEEDED
CONVENTIONAL OR DIRECT FILTRATION (Free Chlorine)

Plant: Durant WTP

PWSID: 1010601

County: Bryan

Month/Year: Aug-19

Durant City Utilities Authority	PO Box 578	Durant	74702
System	Address	City	Zip

Instructions:

If there are no combined filter turbidity readings or free chlorine residual sample results at the entry point to the distribution system due to the plant not running, write **OFF** in the box.

Two (2) distribution chlorine residuals **must be taken daily**, even if the plant is not running.

Mail the original by the 10th of the following month to:
Oklahoma DEQ, Water Quality Division, P.O. Box 1677, Oklahoma City, OK 73101

Combined Filter Turbidity	
Total number of turbidity readings required	186
Total number of turbidity readings	186
Number of turbidity readings above 1.49 NTU	0
HIGHEST turbidity reading	0.12
Number of turbidity readings above 0.15 NTU	0
Percent of turbidity readings above 0.15 NTU	0.00%
Free Chlorine-Entry Point to Distribution	
Total number of chlorine residual samples	186
Number of samples below 1.0 mg/L	0
Free Chlorine-Distribution	
Total number of chlorine residual samples	62
Number of samples below 0.2 mg/L	0

Individual Filter Turbidity - Complete Entire Checklist	
1. Was Each Filter Monitored continuously while the plant was running? ☐ No ☒ Yes	
2. Was each filter monitored every 15 minutes while the plant was running? ☐ No ☒ Yes	
3. Was there a failure of the continuous monitoring equipment? ☒ No ☐ Yes	
4. Did the same filter exceed 1.49 NTU in two consecutive 15 minute readings? ☒ No ☐ Yes* (Complete the Turbidity Trigger Form and attach it to this MOR)	
5. Was individual filter level greater than 0.54 NTU in two consecutive measurements after being on line for more than four hours? ☒ No ☐ Yes	
6. Did the same filter exceed 1.49 NTU in two consecutive 15 minute readings for three months in a row? ☒ No ☐ Yes* (Submit a Self-Assessment of the filter(s) within 14 days of the exceedance)	
7. Did the same filter exceed 2.49 NTU in two consecutive 15 minute readings for two months in a row? ☒ No ☐ Yes* (Contact DEQ to schedule a Comprehensive Performance Evaluation)	

* If you answered Yes to questions 4, 6, or 7, you must complete the Turbidity Trigger Form and attach it to this MOR.

				# of Readings***	COMBINED FILTER TURBIDITY						FREE CHLORINE RESIDUAL								COMMENTS
DAY	RAW	SET	SET		2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	ENTRY POINT TO DISTRIBUTION						DISTRIBUTION SYSTEM		
											12am	4am	8am	12pm	4pm	8pm			
1	9.86	1.80	2.70	6	0.08	0.05	0.05	0.05	0.05	0.05	2.46	2.72	2.70	2.56	2.44	2.32	1.80	1.93	
2	9.93	1.90	2.90	6	0.05	0.05	0.05	0.04	0.04	0.04	2.52	2.67	2.71	2.56	2.47	2.34	1.67	1.83	
3	12.06	1.80	2.70	6	0.04	0.04	0.05	0.05	0.04	0.04	2.40	2.69	2.68	2.64	2.60	2.39	1.81	2.03	
4	12.01	1.80	3.50	6	0.06	0.05	0.07	0.06	0.05	0.05	2.43	2.62	2.65	2.69	2.72	2.69	2.08	1.81	
5	56.67	1.80	2.90	6	0.06	0.04	0.04	0.04	0.04	0.04	2.77	2.92	3.22	3.18	2.78	2.67	1.84	2.29	
6	20.57	1.40	2.40	6	0.03	0.03	0.03	0.04	0.04	0.03	2.83	3.00	3.14	2.99	2.37	2.27	1.72	2.16	
7	22.29	2.10	3.10	6	0.04	0.04	0.04	0.04	0.04	0.04	2.44	2.03	2.36	2.46	2.23	2.59	2.05	1.55	
8	18.93	1.70	3.80	6	0.07	0.04	0.04	0.04	0.04	0.04	2.69	2.89	2.88	2.75	2.68	2.67	1.34	1.83	
9	15.66	1.90	2.80	6	0.04	0.08	0.05	0.05	0.04	0.05	2.82	2.91	3.01	2.88	2.81	2.56	1.83	1.88	
10	14.08	1.90	2.70	6	0.07	0.05	0.05	0.05	0.05	0.04	2.69	2.94	2.99	2.74	2.64	2.57	1.81	2.40	
11	13.43	2.20	3.60	6	0.05	0.05	0.05	0.04	0.05	0.05	2.67	2.83	2.85	2.70	2.49	2.47	1.34	1.56	
12	12.39	2.00	2.50	6	0.07	0.05	0.04	0.04	0.05	0.04	2.66	2.85	2.85	2.69	2.60	2.70	1.64	1.86	
13	11.08	1.60	3.70	6	0.06	0.06	0.05	0.04	0.05	0.05	2.80	3.01	2.99	2.80	2.62	2.89	2.08	2.18	
14	11.38	2.20	3.10	6	0.06	0.05	0.05	0.05	0.08	0.08	2.97	3.23	3.23	2.81	2.68	2.65	2.03	2.33	
15	13.50	1.90	3.40	6	0.07	0.06	0.05	0.05	0.05	0.05	2.04	2.71	2.78	2.73	2.53	2.68	2.03	2.01	
16	11.05	2.50	2.80	6	0.08	0.07	0.04	0.04	0.04	0.04	2.83	2.99	3.20	2.95	2.79	2.49	1.92	1.29	
17	13.25	1.80	3.30	6	0.07	0.05	0.05	0.04	0.05	0.05	2.69	3.07	3.14	3.07	2.83	2.57	1.49	1.90	
18	10.21	1.90	3.00	6	0.06	0.05	0.05	0.05	0.05	0.05	2.87	3.20	3.14	2.81	2.62	2.85	1.29	2.46	
19	9.22	2.30	2.70	6	0.05	0.05	0.05	0.05	0.05	0.05	3.00	3.13	3.15	3.02	2.64	2.94	2.25	2.37	
20	9.42	2.30	3.20	6	0.09	0.06	0.04	0.04	0.04	0.08	3.00	3.56	3.13	2.52	2.49	2.59	1.69	1.71	
21	10.64	2.20	3.20	6	0.08	0.07	0.06	0.06	0.06	0.06	2.70	2.97	3.00	2.71	2.56	2.98	1.79	2.20	
22	10.72	2.00	3.00	6	0.08	0.07	0.07	0.06	0.06	0.06	3.07	3.23	3.56	2.88	2.14	2.14	2.01	2.32	
23	14.02	2.10	3.50	6	0.05	0.05	0.05	0.05	0.05	0.05	2.91	3.24	3.12	3.06	3.01	2.74	0.93	2.36	
24	27.55	1.90	3.10	6	0.05	0.09	0.06	0.04	0.04	0.04	2.75	2.82	2.93	2.71	2.62	2.20	2.10	1.99	
25	84.17	2.30	2.80	6	0.05	0.04	0.05	0.07	0.07	0.11	2.26	2.62	2.84	2.86	2.56	2.02	2.07	2.01	
26	178.80	1.90	2.50	6	0.07	0.05	0.05	0.05	0.06	0.05	2.00	2.08	2.13	2.22	2.12	2.13	1.67	1.33	
27	90.42	2.40	3.00	6	0.05	0.05	0.06	0.05	0.05	0.05	2.28	2.85	2.93	2.80	2.61	2.79	1.28	1.24	
28	63.27	1.60	2.90	6	0.07	0.05	0.05	0.04	0.05	0.04	2.99	3.28	3.35	2.66	2.58	2.79	1.34	2.65	
29	58.63	2.20	3.70	6	0.10	0.09	0.07	0.05	0.04	0.04	2.85	2.78	2.78	2.93	2.56	3.42	1.82	1.22	
30	39.46	3.80	7.80	6	0.04	0.11	0.04	0.07	0.12	0.11	3.29	3.48	3.68	3.04	3.07	2.87	1.59	1.15	
31	33.41	1.70	2.90	6	0.10	0.10	0.10	0.05	0.04	0.04	3.08	3.27	3.25	3.01	2.37	2.19	2.03	1.01	

*** Number of Readings: You are required to sample the combined effluent for every four hours that the filters are in operation. You must fill out Filter Operation on the 'Chemical and Process Control tab.'

CHLORINE DIOXIDE AND CHLORITE MOR

Section 1: Data Entry

Date	ClO2 Used?	ClO2 POE	ClO2 Dist.			Chlorite POE	Chlorite Dist.			
			1st	2nd	3rd		1st	2nd	3rd	Avg
1	yes	0.1				0.7				####
2	yes	0.1				0.7				####
3	yes	0.2				0.6				####
4	yes	0.2				0.7				####
5	yes	0.1				0.5				####
6	yes	0.2				0.5				####
7	yes	0.1				0.5				####
8	yes	0.1				0.9				####
9	yes	0.2				0.7				####
10	yes	0.1				0.6				####
11	yes	0.2				0.6				####
12	yes	0.1				0.7				####
13	yes	0.1				0.8				####
14	yes	0.2				0.7				####
15	yes	0.1				0.7				####
16	yes	0.1				0.8				####
17	yes	0.1				0.6				####
18	yes	0.1				0.7				####
19	yes	0.2				0.6				####
20	yes	0.1				0.7				####
21	yes	0.1				0.8				####
22	yes	0.2				0.9				####
23	yes	0.2				0.8				####
24	yes	0.1				0.8				####
25	yes	0.1				0.7				####
26	yes	0.1				0.5				####
27	yes	0.1				0.4				####
28	yes	0.2				0.6				####
29	yes	0.1				0.5				####
30	yes	0.2				0.6				####
31	yes	0.2				0.5				####

Month August Year 2019
 PWS Name Durant WTP Plant Name Durant WTP
 PWSID 1010601
 Total 31

Section 2: Summary of Chlorine Dioxide Daily Monitoring

a. Number of Samples Collected 31.0
 b. Number of Point of Entry Samples Exceeded MRDL of 0.8 mg/L 0.0

*For every day the MRDL is exceeded, three chlorine dioxide samples must be taken the next day in the distribution system. Notify your PWS Engineer. Samples results need to be recorded in ClO2 Dist. columns.*Refer to CHLORINE DIOXIDE MONITORING AND COMPLIANCE FACT SHEET for further instructions.*

c. Number of Distribution Samples Exceeding MRDL of 0.8 mg/L 0.0

****VERY IMPORTANT. THIS IS A TIER 1 VIOLATION. THIS VIOLATION MUST BE IMMEDIATELY REPORTED TO DEQ AND TO ALL PERSON SERVED BY THE SYSTEM WITHIN 24 HOURS.****

Section 3: Summary of Chlorite Daily Monitoring

a. Number of Samples Collected 31.0
 b. Number of Point of Entry Samples Exceeded MCL of 1.0 mg/L 0.0

*For every day the MCL exceeded, three chlorite samples must be taken the next day in the distribution system. Enter sample results in Chlorite Dist. columns and then average. *Refer to CHLORITE MONITORING AND COMPLIANCE FACT SHEET for further instructions.*

c. Number of Distribution Average exceeding MCL of 1.0 mg/L 0.0

Signature of owner or operator

Date

Printed name

Operator License #

Send Form by 10th of Following Month to:
 Water Quality Division Attn DBP Coord.
 P.O. Box 1677 Oklahoma City, Oklahoma 73101-1677





THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule August 2019 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. Mowed Plant Grounds
16. Weed eated around Plant
17. Hung new hose racks in various spots around plant
18. Mowed lagoons
19. Mowed at sample site B
20. Worked on New plant rapid mix motor base
21. Mowed, weed eated and sprayed at Chuckwa, Big Lots, First and Arkansas and Thirteen and Arkansas towers
22. Worked on alum room drain unstopping it
23. Cleaned out alum tank
24. Installed belt on exhaust fan at clo2 building
25. Mowed at High service pump station
26. Howard Construction here to start work on the new fluoride building
27. KBC construction here tearing out #2 filter under drain to replace it
28. Treated 166,812,000 gallons of Blue River water

B. Work Planned for January-December

1. Paint buildings
2. Put Gravel at Chuckwa Tower
3. Put Gravel at Raw Pump Station
4. Fix #2 filter underdrain
5. Build new Fluoride Building

Approx Start/Finish Date

- Time permitting
Time Permitting
Time Permitting
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