

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**

May 9, 2017

**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 April 11, 2017

2. Consider Items Removed from Consent

3. Information Items

- a. Utility Summary Report - April 2017
- b. Solid Waste Collection Report - April 2017
- c. Landfill Information & Reports - April 2017
- d. Water Treatment Plant Monthly Operation Report - April 2017
- e. Waste Water Treatment Plant Monthly Report - April 2017
- f. Waste Water Treatment Plant Lab Report - April 2017
- g. Informational Presentation 'City of Durant WWTP Sludge Bell Press Operational efficiency upgrade consideration'

4. Administration

- a. Consider Approval of Resolution 2017-05 to Establish New Commercial Recycling Collection Rates and to Introduce New Rates for 3 Yard Dumpsters

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 17th day of November, 2016 and that an agenda of said meeting was posted at the place of such meeting at 5:45 pm on the 4th day of May, 2017.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 5/1/2017
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of April 11, 2017

Council Information / Action Requested

Approval of Regular Meeting Minutes of April 11, 2017

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

ATTACHMENTS:

Description	Type	Upload Date
Minutes. 4.11.2017	Exhibit	5/1/2017

Agenda posted on Durant City Hall Entry Door at 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 17th day of November, 2016 and that an amended agenda of said meeting was posted at the place of such meeting at 2:25 pm on the 10th day of April, 2017.

MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY UTILITIES AUTHORITY OF April 11, 2017 AT 6:00 PM, AMENDED AGENDA Roscoe J. Hatfield Council Chambers, 300 West Evergreen, Durant, Oklahoma

CALL TO ORDER

Mayor Hoffman called the meeting to order at 8:04 p.m.

ROLL CALL

Present: Trustee Chad Hitchcock	City Attorney Pat Phelps
Trustee Billy L. Orr	City Manager Tim Rundel
Trustee Jerry Tomlinson	City Clerk Cynthia J. Price
Vice-Chairman Destry Hawthorne	
Chairman Stewart Hoffman	(*denotes partial attendance)

Absent: None

Chairman Hoffman 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 March 14, 2017

Motion was made by Destry Hawthorne and seconded by Chad Hitchcock to Motion. Motion with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

2. Consideration Items Removed from Consent

3. Information Items

- a. Solid Waste Collection Report March 2017

- b. Water Treatment Plant Monthly Operation Reports - March 2017
- c. Landfill Information & Reports - March 2017
- d. Waste Water Treatment Plant Monthly Report - March 2017
- e. Waste Water Treatment Plant Lab Monthly Report - March 2017
- f. Durant City Utility Authority Monthly Reports - February and March 2017

4. Administration

- a. Consider Approval of Request for Authorization to Purchase for Water Leak Detection Study (RFAP# 2017-051)

Approved

Jacque Wilson, Deputy City Manager of Operations, addressed council and stated there are significant leaks within the water system. The Water Leak Detection Study is to identify the location of those leaks.

Motion was made by Jerry Tomlinson and seconded by Chad Hitchcock to approve Request for Authorization to Purchase for Water Leak Detection Study (RFAP#2017-051). Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

- b. Consider Approval of Leak Detection Study with Wall Engineering (Work Order #DU-17-02) (C-2017-16)

Approved

Motion was made by Jerry Tomlinson and seconded by Chad Hitchcock to approve Leak Detection Study with Wall Engineering (Work Order #DU-17-02) (C-2017-16). Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

Adjournment

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to adjourn meeting. Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson



The City of Durant

Office of City Clerk

Memorandum

Date: 5/4/2017
To: Utilities Authority
From: Kelly Hawthorne, Utility Billing Supervisor
Re: Utility Summary Report - April 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
Utility Summary Report - April 2017	Exhibit	5/4/2017



Monthly Utility Billing,
Cash Collection,
And Consumption Summary

April 2017

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	5998		5893		6187	
Total Revenue Billed	\$231,859.51	\$3,064,466.69	\$183,503.33	\$2,243,881.28	\$378,672.80	\$3,604,729.58
Amount of Penalties	\$6,468.81	\$68,407.43				
Adjustments in Dollar	(\$10,904.93)	(\$171,008.40)	(\$26,577.91)	(\$207,863.22)	(\$13,173.86)	(\$67,288.73)
TOTAL CASH RECEIPTS	\$338,829.26	\$2,482,256.25	\$160,616.21	\$1,848,757.17	\$314,413.79	\$2,884,464.13
CONSUMPTION IN GALLONS						55,285,700

Additional Utility Office Information

4/1 thru 4/30

New Service Applications	82
Service Order Issued for Water/Sewer	477
Service Order Issued for Solid Waste	197
Number of Walk In/Phone Payments	2694
Mail Payments	1421
Web Payments	767
Drop Box Payments	540
Bank Draft Payments	702
Credit Card Draft Payments	178
Other Payments *****	293

***** (Includes Tap Fees, Departmental Revenues, Accounts Receivable, Licenses and Permits)



The City of Durant

Office of the Solid Waste Department

Memorandum

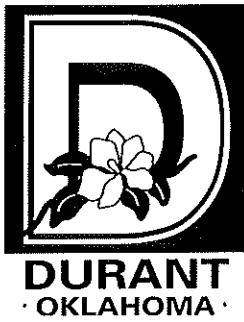
Date: 4/28/2017
To: Utilities Authority
From: Albert Pierce, Solid Waste Department
Superintendent
Re: Solid Waste Collection Report - April 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
Solid WAsTe Collection April Monthly Report	Cover Memo	4/28/2017



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE ***April 2017***

A. Work Completed:

1. Picked up & emptied 270 roll-offs
2. Picked up & emptied 63 compactors
3. Delivered 9 roll-offs to new customers
4. Delivered and picked up 15 Sharp containers
5. Picked up 65.83 tons of extra hauling
6. Hauled 58 loads of extra hauling to the landfill
7. Hauled 3 loads of recycling
8. Hauled 2.56 ton of recycling

B. Work Planned For May

1. Refurbish. Dumpsters

C. Work Planned For Jan. '17 – Dec. 31-17

1. Pick up trash

D. Projects Planned And Requested For Authorization:

1. None.



The City of Durant

Solid Waste Landfill

Memorandum

Date: 5/1/2017
To: Utilities Authority
From: Zefe Laborico, Supervisor, Solid Waste Landfill
Re: Landfill Information & Reports - April 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
April 2017 DEQ Report	Cover Memo	5/1/2017
April 2017 Project schedule	Cover Memo	5/1/2017
multi purpose building progress	Cover Memo	5/3/2017
multi purpose building progress 2	Cover Memo	5/3/2017
multi purpose building progress 3	Cover Memo	5/3/2017
multi purpose building progress 4	Cover Memo	5/3/2017
multi purpose building progress 5	Cover Memo	5/3/2017
multi purpose building progress 5	Cover Memo	5/3/2017



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

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

Report month/year: APRIL 2017

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: 23

COMPLETE SECTIONS 5-10 ONLY IF SCALES GO DOWN

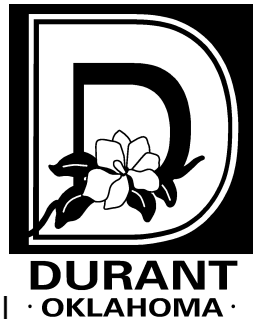
D A Y	(1) Total weight accepted (tons)	(2) Weight which is reused or recycled in accordance with facility permit (tons)	(3) Weight accepted from a DEQ approved emergency or special event (tons)	(4) Weight accepted from large industrial waste generators with DEQ exemption certificate (tons)	(5) Time scales 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	26.81									
2	0									
3	8.06									
4	121.7									
5	99.34									
6	70.82									
7	101.5									
8	31.1									
9	0									
10	53.12									
11	55.7									
12	83.46									
13	68.98									
14	0									
15	0									
16	0									
17	0.52									
18	9.69									
19	100.35									
20	102.78									
21	94.27									
22	2.27									
23	0									
24	97.56									
25	61.16									
26	35.97									
27	64.64									
28	115.71									
29	2.38									
30	0									
31	0									
Total	1407.89	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: _____

Phone #: 580-924-8358

Date: _____



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE ***April 2017***

A. Work Completed for April:

1. Covered C & D Site
2. Hauled MSW To SORD
3. Worked on Multi-use building

B. Work Planned For May:

1. Continue Covering C&D site
2. Have new C&D cell 10C inspected and approved
3. Haul MSW To SORD
4. Continue working on multi-use building

C. Work Planned For Jan. '17 – Dec. '17:

Approx. Start – Finish Date:

1. Haul trash to Ardmore 1-2017 thru 12-2017

D. Projects Planned And Requested For Authorization:

1. None.















The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 5/1/2017
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant Supervisor
Re: Water Treatment Plant Monthly Operation Report - April 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
April 2017 Monthly Operations Report #1	Exhibit	5/1/2017
April 2017 Monthly Operations Report #2	Exhibit	5/1/2017
April 2017 Fluoride Report	Exhibit	5/1/2017
April 2017 Projects Schedule	Exhibit	5/1/2017
April 2017 CLO2 and Chlorite Report	Exhibit	5/1/2017

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS

Mail original before the 10th of the following month
to the Department of Environmental Quality, Water Quality Division
P. O. Box 1677, Oklahoma City, OK 73101-1677

Durant City Utilities Authority

PO Box 578

Durant OK

74702

System

Address

City

ZIP

Plant: Durant Water Treatement P
PWSID: 1010601
Month: April 2017
Population: 19,491

DAY	WATER TREATED	FILTER OPERATION									WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS.										ALKALINITY								pH			CaCO3	HARDNESS		Chlorite residual	Chlorite lbs/day	REMARKS
		FILTERS USED-HOURS										ALUM	LIME	POLYMER Name:	CARBON NAOH	OTHER Name: NH2SIF6	OTHER Name: copper sulf	CHLORINE		"P"		TOTAL AM		CLO2 Residual		TOTAL PM		STABILITY			(ppm)							
		1	2	3	4	5	6	7	8	PRE								POST	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT	AM	FILT		
1	3,815	24	24	24	24	24	24	23	23	70	1400	0	50	0	0	38	0	60	80			248	206		0.14	250	236	7.8	7.2	7.3	220	274	274	0.42	280			
2	3,593	24	24	24	24	23	23	24	24	70	1600	0	50	0	0	40	0	60	80			260	232		0.1	266	232	7.9	7.2	7.3	240	270	276	0.38	260			
3	3,028	24	23	23	24	24	24	24	24	70	1000	0	50	0	0	36	0	30	50			250	232		0.13	254	236	7.7	7.3	7.2	230	260	252	0.47	240			
4	3,681	23	24	24	23	24	24	24	24	70	1400	0	50	0	0	38	0	30	70			222	212		0.09	246	214	7.6	6.8	7.3	228	254	260	0.52	260			
5	3,941	24	24	24	24	24	24	23	23	70	1300	0	50	0	0	43	0	0	80			234	202		0.1	240	212	7.7	6.9	7.2	218	244	230	0.71	280			
6	3,934	24	24	24	24	23	23	24	24	70	1400	0	50	0	0	35	0	0	60			258	232		0.14	254	242	7.9	7.1	7.3	222	272	272	0.76	280			
7	3,978	24	23	23	24	24	24	24	24	80	1500	0	50	0	0	31	0	0	80			268	238		0.04	256	246	7.8	7.3	7.3	240	270	268	0.8	280			
8	4,001	23	24	24	23	24	24	24	24	80	1300	0	50	0	0	45	0	0	60			250	220		0.09	278	248	7.8	7.2	7.4	222	278	284	0.8	280			
9	3,987	24	24	24	24	24	24	23	23	60	1400	0	50	0	0	46	0	0	70			246	224		0.03	258	224	7.7	6.9	7.3	232	270	260	0.95	280			
10	3,704	24	24	24	24	23	23	24	24	60	1400	0	50	0	0	39	0	0	80			250	226		0.09	280	250	7.8	7.1	7.3	236	280	258	0.76	250			
11	3,569	24	23	23	24	24	24	24	24	70	1100	0	50	0	0	42	0	0	40			252	240		0.11	256	236	7.6	7.2	7.3	240	268	260	0.8	250			
12	3,908	23	24	24	23	24	24	24	24	70	1600	0	50	0	0	47	0	60	80			262	240		0.1	264	244	7.7	7.1	7.3	250	264	256	0.9	250			
13	4,081	24	24	24	24	24	24	23	23	70	1300	0	50	0	0	31	0	40	80			258	240		0.06	300	228	7.8	7.1	7.4	238	274	264	0.71	250			
14	3,886	24	24	24	24	23	23	24	24	70	1200	0	50	0	0	40	0	45	45			254	238		0.04	264	240	7.6	7.1	7.3	232	284	284	0.66	270			
15	3,835	24	23	23	24	24	24	24	24	70	1300	0	50	0	0	48	0	90	90			244	220		0.1	258	234	7.6	7.2	7.2	230	260	246	0.42	270			
16	3,384	23	24	24	23	24	24	24	24	70	1900	0	50	0	0	39	0	80	80			264	242		0.09	260	244	7.8	7.2	7.3	244	266	264	0.47	270			
17	2,924	24	24	24	24	24	24	23	23	70	1800	0	50	0	0	30	0	90	90			266	240		0.17	270	246	7.8	7.2	7.3	240	272	270	0.47	270	Switched to Lake Durant		
18	3,974	24	24	24	24	23	23	24	24	60	1600	0	50	825	0	52	0	180	80			146	196		0.28	148	164	6.8	6.7	7.3	240	164	242	0.57	290			
19	4,419	24	24	24	24	24	24	24	24		1800	0	50	825	0	48	0	180	80			138	142		0.16	142	138	7.3	7.3	7.2	196	144	170	0.57	300			
20	4,412	24	23	23	24	24	24	24	24	70	1800	0	50	963	0	44	0	160	80			144	142		0.13	154	148	7.4	7.2	7.3	156	164	158	0.42	300			
21	4,419	23	24	24	23	24	24	24	24	70	1900	0	50	963	0	36	0	180	120			150	136		0.13	156	132	7.3	7.3	7.4	140	158	148	0.47	300			
22	4,387	24	24	24	24	24	24	23	23	70	1500	0	50	963	0	53	0	180	80			140	138		0.12	144	160	7.8	7.8	7.5	134	156	152	0.52	300			
23	4,400	24	24	24	24	23	23	24	24	70	2200	0	50	825	0	43	0	130	80			158	130		0.17	150	158	7.8	7.8	7.6	158	158	142	0.47	300			
24	4,040	24	24	24	24	24	24	24	24		1900	0	50	963	0	49	0	120	80			134	134		0.1	160	150	7.8	7.7	7.6	142	156	148	0.47	300			
25	4,019	24	23	23	24	24	24	24	24	70	1900	0	50	825	0	46	0	160	80			144	122		0.11	140	126	7.8	7.8	7.8	136	152	140	0.61	300			
26	3,984	23	24	24	23	24	24	24	24	70	1600	0	50	825	0	32	0	110	80			134	122		0.12	136	120	7.9	7.6	7.8	140	160	150	0.57	300			
27	4,007	24	24	24	24	23	23	24	24	60	1800	0	50	0	0	49	0	100	80			140	132		0.13	136	128	7.9	7.4	7.1	138	142	140	0.66	300			
28	3,608	24	23	23	24	24	24	24	24	80	2000	0	50	825	0	44	0	130	80			142	134		0.11	140	136	7.8	7.3	7.7	140	140	140	0.61	300			
29	3,622	23	24	24	23	24	24	24	24	80	1700	0	50	688	0	40	0	160	80			138	130		0.09	142	136	7.9	7.7	7.7	130	152	152	0.61	300			
30	3,570	24	24	24	24	24	24	23	23	65	1700	0	50	825	0	42	0	80	80			132	118		0.15	166	152	8.1	7.7	7.8	120	142	134	0.57	300			
31																																						
TOT	116110	713	713	713	713	713	713	713	713	1955	47300		1500	10315		1246		2455	2295			6126	5660		3.42	6368	5860	231	218	222	5932	6548	6494	18.12	8410			
Avg	3870	24	24	24	24	24	24	24	24	65	1577		50.00	344		41.53		82	77			204	189		0	212	195	7.7	7.3	7.4	197.7	218	216	0.604	#####			

Power Costs	\$17,339.13
Labor Costs	\$30,110.25
Chemicals	\$15,350.85
Supplies	\$1,515.14
Repairs	\$1,576.25
TOTAL	\$65,891.62

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

Signed

Steve Gray

DEQ Form # 630-577A

Revised 9/1/2000

Title

Water Treatment Plant Supervisor

Oper. Cert. No.

B 6824

Cost per thousand Gallons

\$ 0.56

Ave. Head Loss for Washing

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS**

Population:	19,491
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COMPLETE THE TURBIDITY TRIGGER EVALUATION FORM AND ATTACH TO THIS MOR.

Day	TURBIDITY									RESIDUAL DISINFECTANT								Comments
	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	14.23	1.4	2	0.03	0.05	0.05	0.04	0.03	0.03	2.26	2.53	2.58	2.62	2.32	2.08	2.00	1.65	
2	12.24	1.9	2.6	0.04	0.04	0.04	0.03	0.03	0.03	2.10	2.46	2.69	2.95	2.87	2.71	1.90	1.68	
3	18.98	1.5	1.6	0.06	0.03	0.03	0.03	0.03	0.03	2.72	2.72	2.77	2.79	2.60	2.28	1.86	1.67	
4	12.44	1.1	2.1	0.03	0.09	0.04	0.04	0.04	0.04	2.30	2.52	2.47	2.37	2.30	2.20	2.15	1.78	
5	10.12	1.9	2.6	0.05	0.05	0.04	0.04	0.04	0.04	2.21	2.27	2.46	2.28	2.24	2.20	1.76	1.54	
6	10.66	1.6	2	0.06	0.04	0.04	0.04	0.04	0.04	2.20	2.18	2.25	2.17	2.11	2.08	1.47	1.69	
7	9.44	1.3	2.1	0.04	0.06	0.04	0.04	0.04	0.04	2.07	2.09	2.10	2.09	2.06	2.06	0.85	1.63	
8	8.17	1.5	2.8	0.04	0.07	0.07	0.04	0.04	0.04	2.06	2.05	2.03	2.04	1.97	1.90	1.76	1.56	
9	9.52	1.5	1.5	0.07	0.04	0.04	0.04	0.04	0.04	1.88	1.90	1.94	1.85	1.84	1.86	1.33	1.48	
10	10.85	1.6	2.4	0.07	0.04	0.04	0.04	0.04	0.04	1.87	1.94	1.95	1.97	1.93	1.63	1.28	1.56	
11	10.64	2.2	2.2	0.14	0.04	0.04	0.04	0.04	0.05	1.63	1.67	1.70	1.68	1.69	1.69	1.15	1.27	
12	10.47	1.5	2.2	0.09	0.05	0.05	0.05	0.05	0.07	1.71	1.80	1.78	1.69	1.72	1.80	1.16	1.16	
13	12.23	1.8	2.6	0.07	0.04	0.04	0.04	0.04	0.04	1.82	2.08	2.10	2.10	2.07	2.02	1.03	1.20	
14	12.40	2.1	3.4	0.04	0.05	0.05	0.04	0.04	0.04	2.16	2.17	2.19	2.22	2.15	2.06	1.25	1.21	
15	11.21	1.6	2.4	0.04	0.06	0.04	0.04	0.04	0.04	2.11	1.72	2.07	2.19	2.12	2.08	1.52	1.70	
16	11.02	1.5	2.7	0.06	0.04	0.04	0.04	0.04	0.04	2.15	2.36	2.35	2.30	2.30	2.20	1.26	1.85	
17	13.74	1.8	5.3	0.04	0.04	0.04	0.04	0.09	0.10	2.23	2.39	2.37	2.30	2.26	2.27	1.60	1.47	On Lake
18	2.61	2.2	2.5	0.06	0.05	0.04	0.04	0.04	0.05	2.21	2.47	2.62	2.25	2.05	2.20	1.47	1.23	
19	7.39	1	1.6	0.06	0.06	0.06	0.06	0.05	0.05	2.40	2.62	2.63	2.49	2.32	2.34	1.33	1.29	
20	4.30	1.4	3	0.08	0.06	0.06	0.05	0.05	0.05	2.41	2.56	2.59	2.50	2.24	2.16	1.28	2.16	
21	4.11	1	2.3	0.07	0.05	0.05	0.05	0.04	0.05	2.31	2.56	2.52	2.47	2.11	2.07	1.58	1.23	
22	4.91	1.5	2.2	0.13	0.11	0.10	0.08	0.07	0.08	2.20	2.40	2.42	2.30	2.22	2.07	1.66	1.80	
23	5.05	0.8	1.7	0.11	0.14	0.12	0.09	0.09	0.10	2.05	2.07	2.08	1.98	1.91	1.58	1.22	1.10	
24	6.07	1.8	1.7	0.10	0.10	0.09	0.07	0.05	0.06	1.67	1.82	1.77	1.87	1.71	1.61	1.12	1.04	
25	5.17	0.8	1.4	0.12	0.06	0.06	0.05	0.05	0.05	1.75	2.09	2.11	2.08	1.96	1.85	0.87	0.91	
26	4.80	1	1.8	0.12	0.06	0.14	0.12	0.10	0.09	1.92	2.32	2.35	2.50	2.25	1.94	1.66	0.85	
27	4.29	1	1.7	0.15	0.14	0.10	0.08	0.07	0.07	1.92	1.91	1.90	1.72	1.64	1.50	1.12	0.87	
28	4.34	0.9	1.8	0.07	0.07	0.07	0.06	0.05	0.05	1.63	1.77	1.89	2.38	2.47	2.26	0.76	1.36	
29	3.62	1	1.2	0.05	0.08	0.05	0.05	0.05	0.05	2.41	2.62	2.75	2.81	2.62	2.71	1.66	0.79	
30	3.91	1	1.6	0.12	0.12	0.09	0.07	0.06	0.06	2.65	2.51	2.44	2.16	2.08	1.78	1.40	1.91	
31																		

Oklahoma State Department of Health / Oklahoma Department of Environmental Quality
MONTHLY OPERATION REPORT
RECORD OF FLUORIDE APPLICATION

PWSID 1010601 SYSTEM Durant Ok (SW) MONTH April
Type of Material Applied* Sodium Silicofluoride Year 2017

Date	Water Treated (1000s of Gallons)	Applied		Residual Fluoride (F), ppm			
		lbs.	PPM of F	Raw		Distribution	
				(1)	(2)	(1)	(2)
1	3815	38	0.71	0.05	0.17	0.73	0.68
2	3593	40	0.79	0.22	0.02	1.16	0.57
3	3028	36	0.85	0.00	0.16	0.44	0.80
4	3681	33	0.64	0.00	0.05	0.82	0.71
5	3941	43	0.77	0.00	0.00	1.10	0.27
6	3934	35	0.63	0.18	0.10	0.98	0.42
7	3978	31	0.55	0.00	0.00	0.38	0.64
8	4001	45	0.80	0.00	0.04	0.75	0.51
9	3987	46	0.82	0.02	0.00	0.78	0.59
10	3704	39	0.75	0.02	0.14	0.60	1.05
11	3569	42	0.84	0.00	0.11	0.85	0.81
12	3908	47	0.86	0.05	0.43	1.00	0.79
13	4081	31	0.54	0.00	0.01	0.96	0.60
14	3886	40	0.73	0.00	0.08	0.55	0.83
15	3835	48	0.89	0.02	0.00	0.70	0.64
16	3384	39	0.82	0.00	0.00	0.70	0.76
17	2924	30	0.73	0.00	0.17	0.55	0.69
18	3974	52	0.93	0.18	0.08	0.34	0.64
19	4419	48	0.77	0.01	0.02	0.65	0.43
20	4412	44	0.71	0.01	0.08	0.74	0.79
21	4419	36	0.58	0.00	0.00	0.74	0.52
22	4387	53	0.86	0.00	0.09	0.21	0.38
23	4400	43	0.69	0.20	0.00	0.30	0.84
24	4040	49	0.86	0.24	0.00	0.66	0.55
25	4019	40	0.70	0.00	0.00	0.81	0.71
26	3984	32	0.57	0.00	0.00	0.45	0.58
27	4007	49	0.87	0.00	0.08	0.64	0.73
28	3608	44	0.86	0.01	0.00	0.62	.40
29	3622	40	0.78	0.00	0.04	0.75	0.60
30	3570	42	0.84	0.00	0.03	0.57	0.61
31							
Total	116110	1246	23.51	1.21	1.82	20.57	19.14
Average	3870	41.53	0.78	0.04	0.06	0.69	0.64

* Example: Sodium Fluoride, Sodium Fluorosilicate (Sodium Silicofluoride), and Fluorosilicic Acid (Hydrofluorosilicic Acid).

It is required that this report be received by the 10th of the following month.

Send to: OSDH – Dental Health Services
1000 NE 10TH ST
OKLAHOMA CITY, OK 73117-1299

AND

Oklahoma Department of Environmental Quality
PO BOX 1677
OKLAHOMA CITY, OK 73101-1677

I hereby certify the above to be correct to the best of my knowledge.

Signed _____
Title _____
City _____



THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule April 2017 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. Worked at the lagoons
16. Did tour of the plant for CMC Rep's
17. Worked on #7 surface wash valve
18. Fixed leak on old caustic pump
19. Loaded old fiberglass sheets and motors for auction
20. New caustic pumps installed by Haynes Equipment
21. Mowed Plant grounds
22. Weed eaten around plant grounds
23. New Chlorine analyzers installed at Cardinal Glass and Big Lots towers, installation by Haynes Equipment
24. Sprayed around plant grounds

B. Work Planned for January-December

1. Pull #2 yard pump
2. Get Osec Running
3. Get fence fixed at Chuckwa Tower

Approx Start/Finish Date

Time permitting
Time permitting
Time permitting

C. Projects Planned and Requested for Authorization

- A. Fencing around Cardinal Glass Tower
- B. Replace altitude valves at 3 towers in town



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: April Year: 2017

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)	Number of Samples Required:					
1	0.14	0.42	Number of Samples Collected:					
2	0.1	0.38	30					
3	0.13	0.47	Was All Chlorine Dioxide Monitoring & Reporting Completed? Yes / No					
4	0.09	0.52	Yes / No					
5	0.1	0.71	Number of ClO ₂ samples exceeded the MRDL of 0.8 mg/L?					
6	0.14	0.76	0					
7	0.04	0.8	If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.					
8	0.09	0.8	<u>Chlorite Daily Monitoring (Summary Type: CLO2)</u>					
9	0.03	0.95	Number of Samples Required:					
10	0.09	0.76	Number of Samples Collected:					
11	0.11	0.8	30					
12	0.1	0.9	Was All Chlorite Monitoring & Reporting Completed? Yes / No					
13	0.06	0.71	Yes / No					
14	0.04	0.66	Number of Chlorite samples exceeded the MCL of 1.0 mg/L?					
15	0.1	0.42	If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.					
16	0.09	0.47	* 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.					
17	0.17	0.47	Routine Chlorite Monthly Monitoring in Distribution System					
18	0.28	0.57	Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
19	0.16	0.57	Near 1st Customer					
20	0.13	0.42	Avg. Residence Time					
21	0.13	0.47	Max. Residence Time					
22	0.12	0.52	Monitoring Period Average:					
23	0.17	0.47	Mark (X) if analytical results were reported electronically: _____					
24	0.1	0.47	- 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.					
25	0.11	0.61						
26	0.12	0.57						
27	0.13	0.66						
28	0.11	0.61						
29	0.09	0.61						
30	0.15	0.57						
31								

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 Wastewater Treatment Plant

Memorandum

Date: 5/1/2017
To: Utilities Authority
From: Terry Condor, Superintendent
Re: Waste Water Treatment Plant Monthly Report - April 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
WWTP April 2017 Report	Cover Memo	5/1/2017



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK COMPLETED IN APRIL 2017

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS 4/25/17
- 3: CLEAN BLEND TANK MIXER 4-24-17
- 4: CLEAN EFFLUENT PUMP STATION (not needed)
- 5: CLEAN RAW WATER PUMP STATION (not needed)
- 6: CLEAN SCUM PUMP STATION (not needed)
- 7: CLEAN DRAIN LIFT STATION 4/13/17
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER 4/4/17
- 9: CALIBRATE DISCHARGE DO & PH METER 4/28/17
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER 4/14/17
- 11: RESET SBR PLC (not needed)
- 12: WASH DOWN STEP SCREEN 4/18/17
- 13: CLEAN UV TROUGHS AND FLUME 4/13/17
- 14: CHECK ELECTRIC MANHOLES 4/25/17
- 15: CLEAN OUT BUILDINGS 4/12/17
- 16: MANUALLY CHECK U.V. BULBS 4/27/17
- 17: WASH DOWN CASINO STEPSCREEN 4/4/17
- 18: CHECK ALL AUTOMATIC VALVES 4/19/17
- 19: VEHICLE INSPECTION 4/24/17
- 20: WALK-THRU INSPECTION 4/4/17
- 21: CLEAN ALL PLC's 4/13/17
- 22: CLEAN D.O. METERS 4/19/17
- 23: CHECK CLARIFIER OIL WEEKLY 4/4/17, 4/10/17, 4/18/17
- 24: REBUILT RAW WATER PUMP STATION PUMP
- 25: MANUALLY CLEANED ALL U.V. BANKS
- 26: 2 CALL BACKS

TREATED 67.139 MG OF WASTEWATER
PROCESSED 1049.7 KG OF TREATED SLUDGE

B: WORK PLANNED FOR MAY 2017

- 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
- 9: CALIBRATE DISCHARGE DO & PH METER
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER
- 11: RESET SBR PLC
- 12: WASH DOWN STEP SCREEN
- 13: CLEAN UV TROUGHS AND FLUME
- 14: CHECK ELECTRIC MANHOLES
- 15: CLEAN OUT BUILDINGS
- 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



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 5/2/2017
To: Utilities Authority
From: Waste Water Treatment Plant
Re: Waste Water Treatment Plant Lab Report - April 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
WWTP Lab Report - April 2017	Cover Memo	5/3/2017



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

Lab Tests Processed

<u>97</u>	Bac-t's
<u>84</u>	BOD's
<u>20</u>	TSS's
<u>14</u>	NH3's
<u>0</u>	DO's
<u>0</u>	Ph's
<u>0</u>	Fecal Coliforms (May 1 st – Sept. 30 th)
<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
- Pretreatment

Durant Wastewater Influent & Effluent Results

Date Tested: 3/29/17

BOD INFLUENT (RAW) - 136.4 mg/L

TSS INF. (RAW) - 192 mg/L

AMMONIA NITROGEN INF. (RAW) - 25.3 mg/L

CBOD EFFLUENT (FINISH) - 2.3 mg/L
TSS EFF. (FINISH) - 8.1 mg/L
AMMONIA NITROGEN EFF. (FINISH) - 0.4 mg/L
FECAL COLIFORM EFF. (FINISH) - 0 & 0 CFU/100ml (May 1st – Sept. 30th)
BOD (CHOCTAW EFF.)- mg/L
TSS (CHOCTAW EFF.)- mg/L
AMMONIA NITROGEN (CHOCTAW EFF.)- mg/L

Date Tested: 4/5/17

BOD INFLUENT (RAW) - 84.8 mg/L
TSS INF. (RAW) - 112 mg/L
AMMONIA NITROGEN INF. (RAW) - 33.9 mg/L
CBOD EFFLUENT (FINISH) - 3.09 mg/L
TSS EFF. (FINISH) - 2.5 mg/L
AMMONIA NITROGEN EFF. (FINISH) - 0.4 mg/L
FECAL COLIFORM EFF. (FINISH) - 0 & 0 CFU/100ml (May 1st – Sept. 30th)
BOD (CHOCTAW EFF.)- 278.1 mg/L
TSS (CHOCTAW EFF.)- 196 mg/L
AMMONIA NITROGEN (CHOCTAW EFF.)- 40.1 mg/L

Date Tested: 4/12/17

BOD INFLUENT (RAW) - 115.7 mg/L
TSS INF. (RAW) - 136 mg/L
AMMONIA NITROGEN INF. (RAW) - 36.4 mg/L
CBOD EFFLUENT (FINISH) - 2.0 mg/L
TSS EFF. (FINISH) - 3.0 mg/L
AMMONIA NITROGEN EFF. (FINISH) - 2.0 mg/L
FECAL COLIFORM EFF. (FINISH) - 0 & 0 CFU/100ml (May 1st – Sept. 30th)
BOD (CHOCTAW EFF.)- 174.2 mg/L
TSS (CHOCTAW EFF.)- 248 mg/L
AMMONIA NITROGEN (CHOCTAW EFF.)- 52.4 mg/L

Date Tested: 4/19/17

BOD INFLUENT (RAW) - 46.1 mg/L
TSS INF. (RAW) - 60 mg/L
AMMONIA NITROGEN INF. (RAW) - 13.7 mg/L
CBOD EFFLUENT (FINISH) - 2.4 mg/L
TSS EFF. (FINISH) - 2.5 mg/L
AMMONIA NITROGEN EFF. (FINISH) - 1.2 mg/L
FECAL COLIFORM EFF. (FINISH) - 0 & 0 CFU/100ml (May 1st – Sept. 30th)
BOD (CHOCTAW EFF.)- 322 mg/L
TSS (CHOCTAW EFF.)- 96 mg/L
AMMONIA NITROGEN (CHOCTAW EFF.)- 23.6 mg/L

Date Tested: 4/26/17

BOD INFLUENT (RAW) - 80 mg/L

TSS INF. (RAW) - 198 mg/L

AMMONIA NITROGEN INF. (RAW) - 20.0 mg/L

CBOD EFFLUENT (FINISH) - 2.0 mg/L

TSS EFF. (FINISH) - 2.5 mg/L

AMMONIA NITROGEN EFF. (FINISH) - 0.9 mg/L

FECAL COLIFORM EFF. (FINISH) - 0 & 0 CFU/100ml (May 1st – Sept. 30th)

BOD (CHOCTAW EFF.)- 385 mg/L

TSS (CHOCTAW EFF.)- 100 mg/L

AMMONIA NITROGEN (CHOCTAW EFF.)- 22.9 mg/L



The City of Durant

Deputy City Manager of Operations

Memorandum

Date:

To: Utilities Authority

From: Jacque J. Wilson

Re: Informational Presentation 'City of Durant WWTP Sludge Bell Press Operational efficiency upgrade consideration'

Informational Presentation 'City of Durant WWTP Sludge Bell Press Operational efficiency upgrade consideration'

Mr. Terry Condor (Superintendent WWTP) and Mr. Brandon Wall (Wall Engineering) would like the Council to be made aware that there is a potential upgrade that could be implemented which would reduce a few of the short and long term issues in our plant faces given the strain imposed by our ever increasing population. This presentation is to provide information to that end.

Council Information / Action Requested

None

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

None

ATTACHMENTS:

Description

Bell Press Slides

Type

Cover Memo

Upload Date

5/4/2017

WWTP Sludge Handling & Disposal Presentation

The final products of wastewater treatment are liquid effluent (discharged to creek) and a semi-solid mass called “sludge.” Sludge must be removed from plant in some manner.

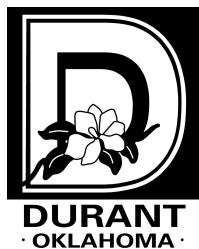
Current sludge disposal method:

- Sludge removed from plant in liquid form by contractor. Bid out year to year.
 - Contractor disposal costs ranges from \$100k - \$130k per year
 - Difficult for contractor to keep up with current plant sludge production
 - Causing treatment issues due to solids bulking in plant
 - City receives no benefit from sludge
 - Sludge volumes produced are increasing with time
 - Disposal costs will increase as system grows
 - Future disposal costs are difficult to quantify and a product of contractor availability and pricing
-
- **Continuation of liquid sludge disposal is not feasible as a long-term option**

WWTP Sludge Handling & Disposal Presentation

Recommended sludge disposal method:

- Installation of a belt press dewatering unit and sludge loading conveyor at WWTP
 - Sludge will be dewatered to pass paint filter test (can be hauled in dump truck)
 - Sludge will be loaded by conveyor in dump truck or roll off and used as landfill cover material
 - Complete installed Cost of system is estimated at \$2,238,500
 - OWRB Clean Water SRF Loan (30yr at 3.25%) payment = \$116,900 / year
 - Operational cost = \$16,200 / year
 - No additional personnel required
 - City receives benefit of landfill cover material
 - Future disposal costs will not increase dramatically as sludge volumes increase
 - System will handle anticipated growth (even with aggressive projections)
-
- **Project would result in little/no increase in current operational cost and could save substantial money in future**



The City of Durant

Deputy City Manager of Operations

Memorandum

Date: 5/1/2017
To: Utilities Authority
From: Jacque J. Wilson, Deputy City Manager of Operations
Re: Consider Approval of Resolution 2017-05 to Establish New Commercial Recycling Collection Rates and to Introduce New Rates for 3 Yard Dumpsters

Overall, we seek this change to better service our customers and reduce operational cost.

Recycling 20 Yard Container. We set the price at 1/3 the current rate to provide a nominal income from the operations required to service the roll off. However, We see that the real savings will come from the reduced materials (C&D) going into our landfill and a reduction in the large (~\$50,000) monthly transfer ops cost for moving household waste to Ardmore SORD landfill. Last, this effort should provide a small saving to motivated customers to help reduce their monthly cost.

3 Yard Container. We set the price 1/2 between the cost of the 2YD & 3 YD containers. We have ID'd the need to start replacing the 2YDs as most of the current ones through the City are about unserviceable due to age and damage. We also plan to phase out the 4YD containers as there are hard on both our crews and equipment due to their size.

Council Information / Action Requested

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

ATTACHMENTS:

Description

2017-05

Type

Cover Memo

Upload Date

5/4/2017



RESOLUTION No. 2017-05



A RESOLUTION TO ESTABLISH NEW COMMERCIAL RECYCLING COLLECTION RATES AND TO INTRODUCE NEW RATES FOR 3 YD DUMPSTERS

WHEREAS, due to the growing demand by local businesses to provide more environmentally friendly means to disposal of recyclable materials. Recyclable materials must be approved by the Deputy of Operations prior to start of service. Materials disposed of that were not approved prior will void agreement and customer will be pay twice the normal collection fee. Agreement only valid for City's excess 20-YD rollofs.

NEW FEE SCHEDULE FOR 20 YRD ON DEMAND ROLLOFF RECYCLING-PER CONTAINER

20-YD Rolloff-Per Collection Event (City Provided)	\$102.35
Compactor (Privately Own)	\$230.35

WHEREAS, the City seeks to streamline its operations and provide better containers for the community, we are introducing a new size container, a 3 YD dumpster. The prices have been set as the midpoint between the current 2YD and 4 YD containers prices. Over time we plan to phase out a percentage of the 2 YDs and 4 YDs based on citizens needs.

SCHEDULED COLLECTIONS MONTHLY DUMPSTER RATES

1	\$103.65
2	\$207.30
3	\$310.95
4	\$414.60
5	\$518.25



RESOLUTION No. 2017-05



NOW THEREFORE, BE IT RESOLVED by the Trustees of the Durant City Utilities Authority that the rates included in this Resolution are hereby approved.

AND BE IT FURTHER RESOLVED that the effective date of the rate change specified in this Resolution shall be for services provided on and after 1, June 2017.

PASSED AND APPROVED this 9th day of May, 2017, by the Trustees of the Durant City Utilities Authority.

Chairman
The Durant City Utilities Authority

ATTEST:

Cynthia J. Price, Secretary
The Durant City Utilities Authority