

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**

December 12, 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 November 14, 2017

2. Consider Items Removed from Consent

3. Administration

4. Information Items

- a. Landfill Information & Reports - November 2017
- b. Solid Waste Department Monthly Report - November 2017
- c. Utility Billing Office Monthly Summary Report - October 2017
- d. Water/Sewer Line Maintenance & Operations Monthly Report - November 2017
- e. Water Treatment Plant Monthly Reports - November 2017

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 4:25 p.m. on the 8th day of December, 2017.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 12/4/2017
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of November 14, 2017

Council Information / Action Requested

Approval of Regular Meeting Minutes of November 14, 2017.

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

ATTACHMENTS:

Description	Type	Upload Date
Minutes 11.14.2017	Exhibit	12/4/2017

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 4:35 p.m..on the 9th day of November, 2017.

MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY UTILITIES AUTHORITY OF November 14, 2017 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 7:48 p.m.

ROLL CALL

Present: Trustee Destry Hawthorne	City Attorney Tom Marcum
Trustee Oden Grube	City Manager Tim Rundel
Trustee Mike Dills	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 October 10, 2017

Approved

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve consent item as presented. Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson

2. Consideration Items Removed from Consent

3. Administration

a. Consider Approval of Request for Authorization to Purchase for the 2017 Force Main Line Relocation Project in the Amount of

\$647,580.75 (RFAP # 2018-86)

Approved

Motion was made by Destry Hawthorne and seconded by Chad Hitchcock to approve Request for Authorization to Purchase for the 2017 Force Main Line Relocation Project in the amount of \$647,580.75 (RFAP #2018-86). Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson

- b. Consider Approval of Contract # C-2017-68 for Professional Services to be Provided by Barker and Associates for the 2017 Forced Main Line Relocation Project for Engineering, Design, Bidding, and Construction Administration.

Approved

Motion was made by Destry Hawthorne and seconded by Chad Hitchcock to approve Contract # C-2017-68 for professional services to be provided by Barker and Associates for the 2017 Forced Main Line Relocation Project for engineering, design, bidding, and construction administration. Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson

- c. Consider Acceptance and Award of Bid for 2017 Force Main Line Relocation Project along South Highway 78

Approved

Motion was made by Destry Hawthorne and seconded by Chad Hitchcock to accept and award bid for 2017 Force Main Line Relocation Project along South Highway 78 to Steve Bean Construction in the amount of \$608,093.75. Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson

- d. Consider Approval of Contract # C-2017-67 with Steve Bean Construction Company for the 2017 Force Main Line Relocation Project Contingent upon Legal Council Review and Approval of Contractor Bonds and Complete Contract

Approved

Motion was made by Destry Hawthorne and seconded by Chad Hitchcock to approve Contract # C-2017-67 with Steve Bean Construction Company for the 2017 Force Main Line Relocation Project contingent upon legal counsel

review and approval of contractor bonds and complete contract. Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson

- e. Consider Authorization for the Chairman to Sign all Related Documents Pertaining to Contract C-2017-67 for the 2017 Force Main Line Relocation Project

Approved

Motion was made by Destry Hawthorne and seconded by Chad Hitchcock to authorize Chairman to sign all related documents pertaining to Contract C-2017-67 for the 2017 Force Main Line Relocation Project. Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson

4. Information Items

- a. Landfill Information and Reports - October 2017
- b. Solid Waste Collection Monthly Report - October 2017
- c. Utility Billing Office Monthly Summary Report - September 2017
- d. Waste Water Treatment Plant and Lab Report - October 2017
- e. Water and Sewer Line Maintenance Monthly Report - October 2017
- f. Water Treatment Plant Monthly Reports - October 2017

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

Solid Waste Landfill

Memorandum

Date: 12/1/2017
To: Utilities Authority
From: Zefe Laborico, Supervisor, Solid Waste Landfill
Re: Landfill Information & Reports - November 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
November 2017 DEQ Report	Cover Memo	12/1/2017
November 2017 Project schedule	Cover Memo	12/1/2017



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

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

Report month/year: NOVEMBER 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: 21

COMPLETE SECTIONS 5-10 ONLY IF SCALES GO DOWN

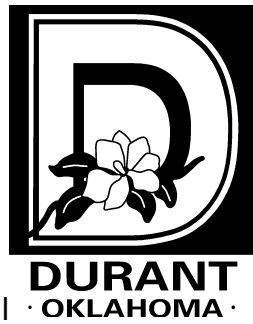
D A Y	(1) Total weight accepted (tons)	(2) Weight which is reused or recycled in accordance with facility permit (tons)	(3) Weight accepted from a DEQ approved emergency or special event (tons)	(4) Weight accepted from large industrial waste generators with DEQ exemption certificate (tons)	(5) Time scales 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	57.57									
2	80.78									
3	89.66									
4	5.16									
5	0									
6	45.87									
7	66.65									
8	47.56									
9	42.23									
10	0									
11	0									
12	0									
13	71.11									
14	94.56									
15	30.71									
16	60.75									
17	52.15									
18	16.01									
19	0									
20	66.34									
21	56.48									
22	58.92									
23	0									
24	0									
25	0									
26	0									
27	63.57									
28	71.27									
29	49.65									
30	275.54									
31										
Total	1402.54	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 ***November 2017***

A. Work Completed for November:

1. Covered C & D Site
2. Hauled MSW To SORD
3. picked up 358 rolloff's & 7 delivered

B. Work Planned For December:

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. '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 Solid Waste Department

Memorandum

Date: 12/4/2017
To: Utilities Authority
From: Albert Pierce, Solid Waste Department Superintendent
Re: Solid Waste Department Monthly Report - November 2017

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
November 2017 Monthly Report	Cover Memo	11/30/2017



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE ***November 2017***

A. Work Completed:

1. Hauled 28.75 tons of extra hauling
2. Hauled 55 loads of extra hauling
3. Picked up and delivered 17 sharps
4. Helped with abatement
5. Cleaned Sunny Side rd.
6. Refurbished 6 dumpsters
7. Replaced 4 dumpsters with new
- 8.

B. Work Planned For December

1. Refurbish. dumpsters
- 2.

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

Office of City Clerk

Memorandum

Date: 12/4/2017
To: Utilities Authority
From: An-Chen Lai, City Treasurer
Re: Utility Billing Office Monthly Summary Report - October 2017

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Utility Billing Office Monthly Summary Report - October 2017	Exhibit	12/4/2017



Monthly Utility Billing,
Cash Collection,
And Consumption Summary

OCTOBER 2017

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	6771		5898		5993	
Total Revenue Billed	\$353,558.28	\$1,420,770.00	\$252,537.38	\$960,692.75	\$361,989.12	\$1,464,884.99
Adjustments in Dollar	(\$4,207.41)	(\$20,207.02)	(\$13,682.99)	(\$37,282.42)	(\$2,797.66)	(\$15,673.80)
TOTAL CASH RECEIPTS	\$307,324.56	\$1,170,014.61	\$181,573.16	\$733,745.56	\$277,377.41	\$1,138,601.10

CONSUMPTION IN GALLONS	105,921,800
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NEW SERVICE APPLICATIONS	78
NUMBER OF WALK IN/PHONE APYMENTS	2,635
MAIL PAYMENTS	1,554
CREDIT CARD PAYMENTS	1,041
WEB PAYMENTS	809
DROP BOX PAYMENTS	517
BANK DRAFT PAYMENTS	711
CREDIT CARD DRAFT PAYMENTS	183
OTHERS	



The City of Durant

Office of City Clerk

Memorandum

Date: 12/8/2017
To: Utilities Authority
From: Jay Neal, Water/Sewer Line Maintenance & Operations
Re: Water/Sewer Line Maintenance & Operations Monthly Report - November 2017

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Water/Sewer Line Maintenance & Operations Monthly Report - November 2017	Exhibit	12/8/2017

WATER/SEWER LINE MAINTENANCE AND OPERATIONS
MONTHLY REPORT - NOVEMBER 2017

1. CMC expansion and the project as a whole is completed, from the line maintenance end, is completed.
2. Working leaks based on severity and water loss.
3. Completed the majority of taps related to large construction: Complexes, Duplexes, Apartments, Multiple Home/Single Contractor, etc.

Moving forward:

1. Continue decreasing leak board.
2. Exploring ways to upgrade the Mooney Lift Station to meet NW expansion needs.
3. AMR meter swaps.



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 12/1/2017
To: Utilities Authority
From: Phillip Hightower
Re: Water Treatment Plant Monthly Reports - November 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
November MOR #1	Cover Memo	12/1/2017
November MOR #2	Cover Memo	12/1/2017
November CLO2 and Chlorite	Cover Memo	12/1/2017
November Monthly Report	Cover Memo	12/1/2017

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

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS

Durant City Utilities Authority

PO Box 578

Durant OK

74702

Plant: Durant Water Treatment F

PWSID: 1010601

Month: November 2017

Population: 19,491

System

Address

City

ZIP

DAY	WATER TREATED	FILTER OPERATION								WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS.										ALKALINITY						pH			CaCO3 STABILITY Method:	HARDNESS			Chlorite lbs/day	REMARKS							
		FILTERS USED-HOURS									ALUM	LIME	POLYMER Name:	CARBON NAOH	OTHER Name: NH2SIF6	OTHER Name: copper sul	CHLORINE		"P"		TOTAL AM		CLO2 Residual		TOTAL PM		AM PM				STABILITY		(ppm)			Chlorite residual						
		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	RAW	FILT	RAW	FILT
1	3,913	24	23	23	24	23	23	23	23	168	1400	0	50	0	0	0	0	20	60			260	230		0.06	266	234	8	7.5	7.5	240	306	302	0.61	280							
2	4,301	24	24	24	24	24	24	24	24		1400	0	50	0	0	0	0	40	80			254	234		0.16	256	220	7.5	7.1	7.6	238	288	268	0.85	280							
3	4,673	24	24	24	24	24	24	24	24		1900	0	50	0	0	0	0	60	100			252	230		0.1	262	230	7.5	7.2	7.4	240	286	254	0.71	280							
4	4,831	24	24	24	24	23	23	23	23	108	1800	0	50	0	0	0	0	70	80			248	230		0.11	262	236	7.9	7.3	7.4	240	284	266	0.76	320							
5	4,044	23	24	24	23	24	24	24	24	70	1400	0	50	0	0	0	0	70	100			254	238		0.13	252	238	7.7	7.4	7.5	236	264	268	0.76	320							
6	3,809	24	23	23	24	24	24	24	24	70	1400	0	50	0	0	0	0	60	100			272	240		0.1	262	228	7.8	7.3	7.5	242	272	272	0.8	320							
7	4,400	24	24	24	24	24	24	24	24		1400	0	50	0	0	0	0	80	100			256	230		0.08	258	234	7.7	7	7	244	286	288	0.85	320							
8	4,397	24	24	24	24	23	23	24	24	60	1300	0	50	0	0	0	0	80	100			260	238		0.07	256	234	7.7	7.2	7.3	230	264	260	0.9	320							
9	4,449	24	24	24	24	24	24	23	23	80	1500	0	50	0	0	0	0	80	100			270	254		0.08	256	232	7.8	7.3	7.4	254	284	278	0.9	320							
10	4,450	23	24	24	23	24	24	24	24	75	1400	0	50	0	0	0	0	90	90			252	234		0.1	250	226	7.8	7.3	7.4	244	290	290	0.61	300							
11	3,874	24	23	23	24	23	23	24	24	140	1100	0	50	0	0	0	0	70	70			258	234		0.21	260	228	7.8	7.4	7.5	240	276	280	0.61	260							
12	3,638	24	24	24	24	24	24	23	23	80	1100	0	50	0	0	0	0	70	70			262	240		0.14	262	238	7.8	7.4	7.6	244	284	268	0.61	260							
13	3,694	23	24	24	23	24	24	24	24	70	1300	0	50	0	0	0	0	70	70			276	254		0.17	264	242	7.6	7.3	7.3	260	278	284	0.61	260							
14	4,177	24	23	23	24	24	24	24	24	50	1100	0	50	0	0	0	0	80	80			268	236		0.14	280	244	7.8	7.2	7.3	250	294	280	0.66	260							
15	4,965	24	24	24	24	23	23	24	24	50	1400	0	50	0	0	0	0	100	80			260	260		0.09	276	248	7.8	7.3	7.3	260	292	290	0.66	320							
16	4,811	24	24	24	24	24	24	24	24		1400	0	50	0	0	0	0	100	80			264	244		0.23	264	240	7.8	7.4	7.5	240	286	282	0.9	320							
17	4,773	24	24	24	24	24	24	23	23	80	1400	0	50	0	0	0	0	100	60			264	238		0.12	264	242	7.8	7.1	7.3	240	306	302	0.76	320							
18	4,588	23	24	24	23	24	24	24	24	80	1600	0	50	0	0	0	0	100	100			258	254		0.14	258	238	7.7	7.3	7.3	250	290	282	0.76	320							
19	4,014	24	23	23	24	23	23	24	24	150	1500	0	50	0	0	0	0	90	90			250	244		0.12	272	242	7.8	7.4	7.4	252	280	286	0.8	320							
20	3,504	24	24	24	24	24	24	23	23	80	1300	0	50	0	0	0	0	60	60			284	258		0.16	268	240	7.8	7.1	7.6	256	284	280	0.76	300							
21	3,382	23	24	24	23	24	24	24	24	80	1200	0	50	0	0	0	0	60	60			282	260		0.2	278	256	7.6	7.3	7.4	258	284	278	0.71	300							
22	3,772	24	23	23	24	24	24	24	24	70	1400	0	50	0	0	0	0	80	60			266	238		0.24	276	248	7.8	7.4	7.4	242	310	294	0.71	300							
23	4,143	24	24	24	24	23	23	24	24	70	1300	0	50	0	0	0	0	60	60			262	252		0.13	268	250	7.8	7.2	7.4	240	280	280	0.61	300							
24	4,357	24	24	24	24	24	24	23	23	70	1200	0	50	0	0	0	0	60	60			268	254		0.16	270	250	7.7	7.3	7.3	242	318	312	0.57	300							
25	4,091	23	23	23	23	24	24	24	24	140	1300	0	50	0	0	0	0	120	80			262	230		0.21	264	240	8	7.6	7.4	254	314	306	0.61	260							
26	3,990	24	24	24	24	23	23	24	24	70	1200	0	50	0	0	0	0	80	60			270	252		0.19	268	238	7.9	7.5	7.5	252	288	276	0.66	260							
27	4,434	24	24	24	24	24	24	23	23	80	1300	0	50	0	0	0	0	60	60			282	258		0.12	268	254	7.8	7.2	7.4	260	288	284	0.61	280							
28	4,593	23	23	23	23	24	24	24	24	130	1300	0	50	0	0	0	0	60	60			280	258		0.13	276	256	7.8	7.3	7.6	260	292	286	0.71	300							
29	4,464	24	24	24	24	23	23	24	24	60	1300	0	50	0	0	0	0	80	80			254	248		0.14	274	254	7.9	7.5	7.5	248	304	294	0.52	300							
30	4,528	24	24	24	24	24	24	23	23	80	1300	0	50	0	0	0	0	80	60			268	244		0.12	258	240	7.9	7.5	7.5	244	272	280	0.71	300							
31																																										
TOT	127059	711	711	711	713	711	711	711	711	2261	40900		1500					2230	2310			7916	7314		4.15	7948	7200	233	219	223	7400	8644	8470	21.3	8900							
Avg	4235	24	24	24	24	24	24	24	24	75	1363		50.00					74	77			264	244		0	265	240	7.8	7.3	7.4	246.7	288	282	0.710	#####							

Power Costs	\$22,431.93
Labor Costs	\$30,110.25
Chemicals	\$14,045.40
Supplies	\$495.15
Repairs	\$614.40
TOTAL	\$67,697.13

Cost per thousand Gallons \$ 0.53

Ave. Rate of Wash (Vert. in/min.)

Ave Wash Period (Minutes)

% Wash Water Used 1.78%

Ave. Head Loss for Washing

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

Signed

Title

DEQ Form # 630-577A
Revised 9/1/2000

Oper. Cert. No. B 90404

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

System

Address

City

ZIP

PWSID: 1010601

Population: 19.491

Population:	<u>19,491</u>
--------------------	---------------

☒ Rapid Rate Filter

☐ Slow Sand Filter

☐ Slow Sand Filter	No. OF	% OF TOTAL
	SAMPLES	SAMPLES
TURBIDITY GREATER THAN 0.5 NTU:	0	0%
TURBIDITY GREATER THAN 0.3 NTU:	0	0%
TURBIDITY GREATER THAN 0.1 NTU:	2	1%

TOTAL NO. OF TURBIDITY ANALYSES:	180	
HIGHEST TURBIDITY READING	0.13	◀
NUMBER OF SAMPLES > 1 NTU	0	◀
NUMBER OF SAMPLES > 5 NTU	0	◀
95TH PERCENTILE OF FINISHED WATER TURBIDITY	0.07	◀ NOT REQUIRED
95TH PERCENTILE OF SETTLED WATER TURBIDITY	2.40	◀ NOT REQUIRED
CHLORINE RESIDUAL < 1.0 mg/l LEAVING PLANT (# Samples)		

INDIVIDUAL FILTER TURBIDITY CHECKLIST

☒ 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 Performance 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	2.41	1.4	1.4	0.05	0.05	0.06	0.06	0.03	0.03	2.24	2.32	2.31	2.55	2.44	2.27	2.11	2.08	
2	2.39	0.7	1.4	0.03	0.03	0.03	0.03	0.03	0.03	2.29	2.32	2.32	2.29	2.27	2.08	2.06	1.77	
3	2.92	0.8	2.4	0.03	0.03	0.03	0.04	0.04	0.07	2.03	2.04	2.09	2.10	2.13	2.20	2.04	1.35	
4	2.70	1.1	2.1	0.06	0.06	0.04	0.03	0.03	0.03	2.22	2.36	2.25	2.23	2.17	2.16	1.99	1.93	
5	3.09	1.1	1.6	0.04	0.03	0.04	0.04	0.04	0.04	2.23	2.29	2.28	2.31	2.14	2.19	1.76	2.21	
6	3.57	1.4	1.9	0.04	0.03	0.03	0.03	0.03	0.03	2.22	2.26	2.22	2.20	2.11	2.18	1.95	1.92	
7	3.12	1.2	2.1	0.04	0.04	0.05	0.04	0.07	0.07	2.20	2.29	2.28	2.32	2.24	2.35	1.90	1.87	
8	3.77	1	1.7	0.08	0.06	0.05	0.05	0.04	0.04	2.38	2.53	2.46	2.42	2.45	2.54	1.76	1.71	
9	2.52	0.9	1.9	0.06	0.06	0.05	0.04	0.04	0.04	2.59	2.78	2.74	2.58	2.50	2.61	1.80	1.52	
10	2.55	1.2	1.8	0.04	0.04	0.03	0.03	0.03	0.03	2.69	2.72	2.76	2.71	2.58	2.60	1.90	1.96	
11	2.48	0.9	1.6	0.04	0.05	0.07	0.08	0.03	0.03	2.73	2.80	2.97	2.81	2.68	2.55	2.03	2.71	
12	2.23	0.9	1.8	0.06	0.04	0.03	0.03	0.03	0.03	2.56	2.72	2.71	2.66	2.52	2.40	2.20	2.24	
13	2.51	0.9	1.5	0.04	0.03	0.03	0.03	0.03	0.03	2.44	2.62	2.58	2.58	2.49	2.44	2.10	2.30	
14	2.91	1.2	2	0.05	0.03	0.04	0.03	0.03	0.03	2.46	2.41	2.56	2.65	2.58	2.48	2.31	2.45	
15	5.09	1.1	1.9	0.06	0.05	0.04	0.04	0.04	0.04	2.46	2.71	2.71	2.62	2.61	2.69	2.26	2.26	
16	4.39	1.3	2.3	0.04	0.04	0.04	0.04	0.05	0.05	2.72	2.75	2.82	2.76	2.66	2.70	2.57	2.33	
17	3.97	1.2	2	0.06	0.08	0.05	0.04	0.04	0.04	2.77	3.18	3.08	2.81	2.51	2.39	2.41	2.47	
18	3.99	1.4	1.9	0.07	0.04	0.04	0.08	0.05	0.06	2.48	2.61	2.72	2.59	2.40	2.32	2.48	2.37	
19	3.30	1.2	2.1	0.08	0.07	0.06	0.05	0.05	0.05	2.32	2.32	2.32	2.32	2.32	2.33	2.25	2.22	
20	2.85	1.1	2.2	0.07	0.07	0.05	0.04	0.03	0.08	2.32	2.32	2.85	2.38	2.66	2.21	2.23	2.15	
21	2.32	1.3	1.7	0.04	0.03	0.03	0.03	0.03	0.03	2.27	2.43	2.55	2.56	2.47	2.23	2.13	2.10	
22	2.21	0.9	1.9	0.04	0.03	0.03	0.03	0.03	0.03	2.31	2.61	2.66	2.71	2.55	2.26	2.00	1.95	
23	2.22	1	2.6	0.06	0.03	0.03	0.03	0.03	0.03	2.35	2.72	2.76	2.72	2.40	2.31	2.04	2.43	
24	2.12	1	2	0.04	0.06	0.04	0.03	0.03	0.04	2.47	2.51	2.59	2.70	2.43	2.08	2.03	2.29	
25	2.33	1.1	2	0.13	0.12	0.08	0.04	0.06	0.06	2.16	2.33	2.52	2.62	2.33	2.08	2.10	2.22	
26	2.34	1.1	1.5	0.06	0.03	0.03	0.03	0.03	0.03	2.11	2.22	2.50	2.57	2.39	2.13	2.09	2.28	
27	2.37	1	1.9	0.05	0.03	0.03	0.03	0.03	0.03	2.23	2.58	2.66	2.36	2.10	2.14	2.03	2.02	
28	2.81	1.1	2.2	0.07	0.04	0.05	0.03	0.03	0.03	2.20	2.51	2.56	2.45	2.10	2.02	2.07	2.39	
29	2.71	1.8	2.4	0.05	0.03	0.03	0.03	0.03	0.03	2.13	2.52	2.54	2.58	2.43	2.36	2.05	2.34	
30	2.59	1	3.6	0.06	0.03	0.03	0.03	0.03	0.03	2.38	2.65	2.49	2.35	2.08	2.07	2.04	2.05	
31																		



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: NOV 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)						
1	0.06	0.61	Number of Samples Required:					
2	0.16	0.85	Number of Samples Collected:					
3	0.1	0.71	Was All Chlorine Dioxide Monitoring & Reporting Completed? Yes / No					
4	0.11	0.76	Number of ClO ₂ samples exceeded the MRDL of 0.8 mg/L?					
5	0.13	0.76	If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.					
6	0.1	0.8	<u>Chlorite Daily Monitoring (Summary Type: CLO2)</u>					
7	0.08	0.85	Number of Samples Required:					
8	0.1	0.9	Number of Samples Collected:					
9	0.08	0.9	Was All Chlorite Monitoring & Reporting Completed? Yes / No					
10	0.1	0.61	Number of Chlorite samples exceeded the MCL of 1.0 mg/L?					
11	0.21	0.61	If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.					
12	0.14	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	0.17	0.61						
14	0.14	0.66						
15	0.09	0.66	<u>Routine Chlorite Monthly Monitoring in Distribution System</u>					
16	0.23	0.9	Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
17	0.12	0.76	Near 1st Customer					
18	0.14	0.76	Avg. Residence Time					
19	0.12	0.8	Max. Residence Time					
20	0.16	0.76	Monitoring Period Average:					
21	0.2	0.71	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	0.24	0.71						
23	0.13	0.61						
24	0.16	0.57						
25	0.21	0.61						
26	0.19	0.66						
27	0.12	0.61						
28	0.13	0.71						
29	0.14	0.52						
30	0.12	0.71						
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 Water Treatment Plant

Water Treatment Plant Projects Schedule November 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. Ran trash pumps at laggons
16. Mowed at Lake Durant dam
17. Painted post on top of Durant dam
18. Ran weed eater at Lake dam
19. Installed #4 raw pump motor
20. Gave tour to Silo 5th grade
21. Removed #4 raw pump VFD for repairs
22. Cut tree's off Lake dam
23. Fixed coupler on New Plant rapid mixer
24. Gave tour Painted mud valve at Lake Durant,
25. Treated 127,059,000 gallons of water

B. Work Planned for January-December

Approx Start/Finish Date

1. Paint buildings and clarifiers and hand rails around plant Time permitting

C. Projects Planned and Requested for Authorization

- A. Upgrade raw pump building at the water plant