

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**

November 12, 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 an Easement for Sewer Line and Mooney Lift Station Located off Mooney Road from Dan Craige

2. Consider Items Removed from Consent

3. Information Items

- a. Landfill Information and Reports - October 2019
- b. Solid Waste Department Monthly Report - October 2019
- c. Utility Department Monthly Report - October 2019
- d. Waste Water Treatment Plant and Lab Monthly Report - October 2019
- e. Water Treatment Plant Monthly Reports - October 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 11:40 a.m. on the 8th day of November, 2019.

Cynthia J. Price, City of Durant



The City of Durant

Public Works Director

Memorandum

Date: 10/31/2019
To: Utilities Authority
From: Marty Cook - Public Works Director
Re: Consider Approval of an Easement for Sewer Line and Mooney Lift Station
Located off Mooney Road from Dan Craige

In the development and design of the Mooney Lift Station upgrade project it was discovered that the easement that was in place didn't actually line up with the existing lines in a way that would allow for proper upgrade of the system. We have visited with the land owner and he has agreed to the alteration in the easement. We will be relocating this easement slightly to the North of it's current location as seen on the enclosed survey.

Council Information / Action Requested

Consider Approval

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

ATTACHMENTS:

Description	Type	Upload Date
Survey	Cover Memo	10/31/2019
Legal Description for Easement	Exhibit	11/1/2019
Utility Easement	Exhibit	11/1/2019

SEWER LINE AND LIFT STATION LEGAL DESCRIPTION (AS DESCRIBED IN GRID BEARINGS)

A parcel of land situated in a part of the Northwest quarter (NW 1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base line, Bryan County, Oklahoma being a portion of that parcel of land described in Book 1226, Page 487, filed May 1, 2009, in the office of the Bryan County Clerk, being more particularly described by metes and bounds with a base grid bearing being South 89°57'05" West, along the south line of the North Half of the West Half of the East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base line in Bryan County, Oklahoma, more particularly described as follows:

COMMENCING at the Southeast corner of the North Half of the West Half of the East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base Line in Bryan County, Oklahoma, marked with a mag nail with aluminum disk marked D. PAGE JR PLS 1566;

THENCE, South 89°05'57" West, along the south line of the North Half of the West Half of the East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base Line in Bryan County, Oklahoma, a distance of 30.00 feet to a point;

THENCE, North 00°58'53" West, a distance of 14.07 feet to the **POINT OF BEGINNING** of the herein described parcel;

THENCE, South 89°32'47" West , a distance of 192.97 feet;

THENCE, South 00°27'10" East , a distance of 4.50 feet;

THENCE, South 89°32'47" West , a distance of 39.00 feet;

THENCE, North 00°27'13" West , a distance of 4.50 feet;

THENCE, South 89°32'47" West , a distance of 399.66 feet to a point on the west line of the North Half of the West Half of the East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base Line in Bryan County ;

THENCE, North 00°58'12" West, along the west line of the North Half of the West Half of the East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base Line in Bryan County , a distance of 25.00 feet to a point;

THENCE, North 89°32'47" East , a distance of 399.89 feet;

THENCE, North 00°27'13" West , a distance of 7.50 feet;

THENCE, North 89°32'47" East , a distance of 39.00 feet;

THENCE, South 00°08'06" East , a distance of 7.50 feet;

THENCE, North 89°32'47" East , a distance of 192.78 feet;

THENCE, South 00°58'53" East , a distance of 25.00 feet back to the **POINT OF BEGINNING**, containing 0.37 acres of land;

Basis of Bearings: South 89°05'57" West, along the south line of the North Half of the West Half of the East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base Line in Bryan County, Oklahoma, by R.T.K G.P.S. observation, referenced to the Oklahoma state plane coordinate system (NAD83). The aforesaid parcel of land described by David L. Page Jr., PLS No. 1566, on October 14, 2019.

UTILITY EASEMENT

KNOW ALL MEN BY THESE PRESENTS: THAT Dan Craig, an individual, Grantor, does hereby grant and warrant unto The Durant City Utilities Authority, an Oklahoma Public Trust, Grantee, its successors and assigns, the right, privilege and authority to enter upon and install, construct, operate, maintain, and reconstruct a lift station and underground sewer distribution systems, including the right of ingress and egress to and from said system across adjoining lands of Grantor, together with the authority to cut down, control the growth of, or trim and keep trimmed any trees that may, in the judgment of the Grantee interfere with or endanger said line or its maintenance or operation.

The real property covered by this easement is situated in BRYAN County, State of Oklahoma, and is described as follows:

" SEWER LINE AND LIFT STATION LEGAL DESCRIPTION (AS DESCRIBED IN GRID BEARINGS)

A parcel of land situated in a part of the Northwest quarter (NW 1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base line, Bryan County, Oklahoma being a portion of that parcel of land described in Book 1226, Page 487, filed May 1, 2009, in the office of the Bryan County Clerk, being more particularly described by metes and bounds with a base grid bearing being South 89°57'05" West, along the south line of the North Half of the West Half of the East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base line in Bryan County, Oklahoma, more particularly described as follows:

COMMENCING at the Southeast corner of the North Half of the West Half of the East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base Line in Bryan County, Oklahoma, marked with a mag nail with aluminum disk marked D. PAGE JR PLS 1566;

THENCE, South 89°05'57" West, along the south line of the North Half of the West Half of the East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base Line in Bryan County, Oklahoma, a distance of 30.00 feet to a point;

THENCE, North 00°58'53" West, a distance of 14.07 feet to the **POINT OF BEGINNING** of the herein described parcel;

THENCE, South 89°32'47" West , a distance of 192.97 feet;

THENCE, South 00°27'10" East , a distance of 4.50 feet;

THENCE, South 89°32'47" West , a distance of 39.00 feet;

THENCE, North 00°27'13" West , a distance of 4.50 feet;

THENCE, South 89°32'47" West , a distance of 399.66 feet to a point on the west line of the North Half of the West Half of the East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base Line in Bryan County ;

THENCE, North 00°58'12" West, along the west line of the North Half of the West Half of the East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base Line in Bryan County , a distance of 25.00 feet to a point;

THENCE, North 89°32'47" East , a distance of 399.89 feet;

THENCE, North 00°27'13" West , a distance of 7.50 feet;

THENCE, North 89°32'47" East , a distance of 39.00 feet;

THENCE, South 00°08'06" East , a distance of 7.50 feet;

THENCE, North 89°32'47" East , a distance of 192.78 feet;

THENCE, South 00°58'53" East , a distance of 25.00 feet back to the **POINT OF BEGINNING**, containing 0.37 acres of land;

Basis of Bearings: South 89°05'57" West, along the south line of the North Half of the West Half of the

East Half of the Northwest Quarter (N1/2 W1/2 E1/2 NW1/4) of section 25, township 6 south, range 8 east of the Indian Meridian and Base Line in Bryan County, Oklahoma, by R.T.K G.P.S. observation, referenced to the Oklahoma state plane coordinate system (NAD83). The aforesaid parcel of land described by David L. Page Jr., PLS No. 1566, on October 14, 2019."

Grantor further covenants agrees that no building or other structure shall ever be erected nor shall any excavation or other removal of soil, so as to change the grade of terrain, be accomplished by Grantor, Its heirs or assigns, within the above described casement area unless the written consent of the Grantee Is first obtained. Grantor further acknowledges the requirements of 63 Oklahoma Statutes (2011) Section 142.1, ct. seq. (One-call statute).

Grantor hereby consents to permit Grantee to trim and keep trimmed any trees and foliage on Grantor's property immediately adjacent to the easement granted herein, and Grantee shall have the right to enter upon Grantor's property for this purpose.

The rights and privileges above granted to continue so long as some are used or needed for the distribution of sewer; but should the Grantee remove its property from the premises and abandon the right of way herein granted, then the rights granted in this easement shall terminate.

Signed and delivered this ____ day of _____, 2019.

Dan Craige
Owner
Grantor

Oden Grube
Chairperson
The Durant City Utilities Authority
An Oklahoma Public Trust

Attest:

Cynthia J. Price, City Clerk

ACKNOWLEDGMENT

STATE OF OKLAHOMA, COUNTY OF BRYAN SS;
Before me, the undersigned, a Notary Public, in and for said County and State, on this ____ day of _____, 2019 personally appeared Dan Craige, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his free and voluntary act and deed of such trust, for the uses and purposes set forth.

Witness my hand and seal the day and year last above written.

My Commission Expires: _____

Commission # _____ Notary Public



The City of Durant

Solid Waste Landfill

Memorandum

Date: 11/1/2019
To: Utilities Authority
From: Kenny Cooper, Supervisor, Solid Waste Landfill
Re: Landfill Information and Reports - October 2019

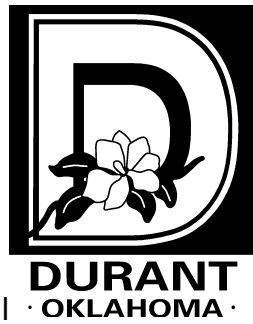
Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
October 2019 Project Schedule	Cover Memo	11/4/2019
October 2019 DEQ Report	Cover Memo	11/4/2019



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE ***October 2019***

A. Work Completed for :

1. Covered C & D Site
2. Hauled MSW To SORD
3. Number of rolloff containers in service end of month 114
4. Number of rolloff containers added to service during month 10
5. Number of rolloff containers removed from service during month 7
6. Number of loaded rolloff containers emptied during month 320

B. Work Planned For November :

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: OCTOBER /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: 27

COMPLETE SECTIONS 5-10 ONLY IF SCALES GO DOWN

D A Y	(1) Total weight accepted (tons)	(2) Weight which is reused or recycled in accordance with facility permit (tons)	(3) Weight accepted from a DEQ approved emergency or special event (tons)	(4) Weight accepted from large industrial waste generators with DEQ exemption certificate (tons)	(5) Time scales placed out of service	(6) Time scales placed into service	(7) Total volume accepted (yd3)	(8) Volume which is reused or recycled in accordance with facility permit (yd3)	(9) Volume accepted from a DEQ approved emergency or special event (yd3)	(10) Volume accepted from large industrial waste generators with DEQ exemption certificate (yd3)
1	277.38									
2	102.43									
3	57.14									
4	81.66									
5	33.02									
6										
7	64.7									
8	82.17									
9	102.39									
10	100.24									
11	34.76									
12	55.75									
13	38.21									
14										
15	96.17									
16	46.12									
17	155.6									
18	58.86									
19	37.31									
20										
21	48.73									
22	93.49									
23	93.75									
24	91.57									
25	2.36									
26	0.76									
27										
28	54.63									
29	41.31									
30	5.16									
31	21.33									
Total	1877	0	0	0	0	0	0	0	0	0

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

Signature of authorized agent: Kenneth Cooper

Phone #: 580-924-8358

Date: 11-1-19

e-mail address: zlaborico@durant.org

INSTRUCTIONS FOR COMPLETING THE MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES



The City of Durant

Office of the Solid Waste Department

Memorandum

Date: 11/4/2019
To: Utilities Authority
From: Albert Pierce, Solid Waste Department Superintendent
Re: Solid Waste Department Monthly Report - October 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 - October 2019	Exhibit	11/4/2019



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE ***October 2019***

A. Work Completed:

1. Hauled 58.64 tons of extra hauling
2. Hauled 62 loads of extra hauling
3. Picked up and delivered 21 sharps
4. no abatement this month
5. Cleaned Sunny Side rd. 1 time
6. Refurbished dumpsters
7. Replaced 8 dumpsters with new
8. Cleaned dead ends of Cemetery rd. 1 time

B. Work Planned For November

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: 11/5/2019
To: Utilities Authority
From: Stephanie Barfield, Utility Billing Supervisor
Re: Utility Department Monthly Report - October 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 - October 2019	Exhibit	11/5/2019



Monthly Utility Billing,
Cash Collection,
And Consumption Summary

OCTOBER 2019

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	6918		6074		6841	
Total Revenue Billed	\$337,075.74	\$1,544,639.91	\$204,917.10	\$916,984.86	\$380,613.74	\$1,501,611.66
Adjustments in Dollar	(\$4,857.22)	(\$21,353.09)	(\$23,777.66)	(\$57,202.69)	(\$7,679.41)	(\$30,624.80)
TOTAL CASH RECEIPTS	\$197,323.02	\$2,761,447.95	\$142,392.57	\$605,605.34	\$231,835.55	\$983,571.26

CONSUMPTION IN GALLONS	95,802,900
------------------------	------------

NEW SERVICE APPLICATIONS	82
NUMBER OF WALK IN/PHONE PAYMENTS	1,854
MAIL PAYMENTS	1,489
CREDIT CARD PAYMENTS	196
WEB PAYMENTS	1,005
DROP BOX PAYMENTS	459
BANK DRAFT PAYMENTS	842
CREDIT CARD DRAFT PAYMENTS	959
KIOSK	
OTHERS	1,031



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 11/7/2019
To: Utilities Authority
From: Ray Anthony, Waste Water Treatment Plant
Re: Waste Water Treatment Plant and Lab Monthly Report - October 2019

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Waste Water Treatment Plant Monthly Report - October 2019	Exhibit	11/8/2019
Lab Report - October 2019	Exhibit	11/6/2019



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK PLANNED FOR October 2019

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS 10-24-19
- 3: CLEAN BLEND TANK MIXER - out for repair
- 4: CLEAN EFFLUENT PUMP STATION ----- > NOT needed
- 5: CLEAN RAW WATER PUMP STATION -----
- 6: CLEAN SCUM PUMP STATION - NOT needed
- 7: CLEAN DRAIN LIFT STATION 10-10-19
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER 10-10-19
- 9: CALIBRATE DISCHARGE DO & PH METER 10-23-19
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER 10-10-19
- 11: RESET SBR PLC 10-13-19
- 12: WASH DOWN STEP SCREEN 11-24-19
- 13: CLEAN UV TROUGHS AND FLUME 10-17-19
- 14: CHECK ELECTRIC MANHOLES 10-23-19
- 15: CLEAN OUT BUILDINGS 10-1-19 / 10-31-19
- 16: MANUALLY CHECK U.V. BULBS 10-9-19
- 17: WASH DOWN CASINO STEPSCREEN 10-1-19
- 18: CHECK ALL AUTOMATIC VALVES ongoing
- 19: VEHICLE INSPECTION 10-18-19
- 20: WALK-THRU INSPECTION 10-2-19
- 21: CLEAN ALL PLC's NOT needed
- 22: CLEAN D.O. METERS
- 23: CHECK CLARIFIER OIL WEEKLY 10-3-19, 10-10-19, 10-16-19
- ~~24: REPAIR SBR SE VALVES~~
- ~~25: REPAIR SBR SE VALVES~~
- ~~26: REPAIR SBR SE VALVES~~



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

10/1/19 to 10/31/19

~~0/0/18 to 0/0/18~~

Tests Processed

86 Bac-t's
108 BOD's
25 TSS's
140 NH3's
31 DO's
31 Ph's
0 Fecal Coliforms (May 1st – Sept. 30th) * 6 per set
0 FOG's

Work Projects

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



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 11/1/2019
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Water Treatment Plant Monthly Reports - October 2019

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
October MOR #1	Cover Memo	11/1/2019
October MOR #2	Cover Memo	11/1/2019
October CLO2 MOR	Cover Memo	11/1/2019
October Monthly Report	Cover Memo	11/1/2019

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

Plant: DWT
PWSID: OK1010601
County: Bryan
Month: Oct. 2019

Durant City Utilities AuthorityP.O. Box 578Durant74702

SystemAddressCityZIP

Day	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 Fe, Mn or Other		REMARKS													
		FILTERS USED-HOURS									ALUM	POLYMER	Caustic	Fluoride	Chlorite	OTHER	CHLORINE		"	"	AM TOTAL	PM TOTAL	"	"	AM TOTAL	PM TOTAL	AM		AM	PM	RAW	FILT		FILT	RAW	FILT	RAW	FILT								
		1	2	3	4	5	6	7	8								PRE	POST																					TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
1	4920.0	24	0	24	24	24	24	23	23	70.0	1500.0	40.0	0.0	0.0	300.0	0.0	0.0	140.0	0.0	0.0	246.0	252.0	0.0	0.0	216.0	230.0	8.2	7.5	7.5	218.0	268.00	272.00														
2	4968.0	24	0	24	24	23	23	24	24	70.0	1600.0	40.0	0.0	0.0	300.0	0.0	0.0	140.0	0.0	0.0	238.0	252.0	0.0	0.0	216.0	232.0	8.2	7.6	7.6	212.0	246.00	246.00														
3	4951.0	24	0	24	24	24	24	24	24		1700.0	40.0	0.0	0.0	300.0	0.0	0.0	200.0	0.0	0.0	238.0	240.0	0.0	0.0	230.0	226.0	8.1	7.4	7.4	218.0	266.00	266.00														
4	4976.0	23	0	23	23	24	24	24	24	109.0	1500.0	40.0	0.0	0.0	300.0	0.0	0.0	80.0	0.0	0.0	258.0	242.0	0.0	0.0	238.0	226.0	8.1	7.5	7.4	226.0	268.00	278.00														
5	4971.0	24	0	24	24	24	24	23	23	70.0	1500.0	40.0	0.0	0.0	300.0	0.0	0.0	140.0	0.0	0.0	250.0	240.0	0.0	0.0	232.0	232.0	8.2	7.8	7.5	220.0	228.00	240.00														
6	4971.0	24	0	24	24	23	23	24	24	70.0	1500.0	40.0	0.0	0.0	300.0	0.0	0.0	160.0	0.0	0.0	250.0	244.0	0.0	0.0	226.0	224.0	8.2	7.5	7.2	230.0	252.00	250.00														
7	4960.0	24	0	24	24	24	24	24	24		1600.0	40.0	0.0	0.0	300.0	0.0	0.0	140.0	0.0	0.0	240.0	240.0	0.0	0.0	230.0	232.0	8.2	7.4	7.4	228.0	270.00	266.00														
8	4940.0	23	0	23	23	24	24	24	24	105.0	1200.0	40.0	0.0	0.0	300.0	0.0	0.0	140.0	0.0	0.0	250.0	254.0	0.0	0.0	228.0	242.0	8.1	7.7	7.6	232.0	238.00	246.00														
9	4581.0	24	0	24	24	24	24	23	23	70.0	1000.0	40.0	0.0	0.0	280.0	0.0	20.0	100.0	0.0	0.0	232.0	258.0	0.0	0.0	236.0	244.0	8.1	7.5	7.6	234.0	270.00	270.00														
10	4525.0	24	0	24	24	24	23	23	24	70.0	1200.0	40.0	0.0	0.0	280.0	0.0	100.0	140.0	0.0	0.0	244.0	240.0	0.0	0.0	232.0	234.0	8.1	7.7	7.5	236.0	254.00	244.00														
11	4610.0	24	0	24	24	24	24	24	24		1700.0	40.0	0.0	0.0	280.0	0.0	80.0	120.0	0.0	0.0	254.0	230.0	0.0	0.0	232.0	232.0	8.1	7.7	7.5	244.0	238.00	250.00														
12	4614.0	23	0	23	23	24	24	24	24	110.0	1100.0	40.0	0.0	0.0	280.0	0.0	40.0	80.0	0.0	0.0	240.0	248.0	0.0	0.0	222.0	222.0	8.0	7.5	7.4	230.0	234.00	250.00														
13	4603.0	24	0	24	24	24	24	23	23	70.0	1100.0	40.0	0.0	0.0	280.0	0.0	40.0	60.0	0.0	0.0	252.0	252.0	0.0	0.0	224.0	224.0	8.1	7.4	7.6	220.0	268.00	266.00														
14	4498.0	24	0	24	24	23	23	24	24	70.0	1200.0	40.0	0.0	0.0	280.0	0.0	60.0	100.0	0.0	0.0	246.0	260.0	0.0	0.0	232.0	234.0	8.3	7.6	7.6	226.0	278.00	270.00														
15	4520.0	24	0	24	24	24	24	24	24		1100.0	40.0	0.0	0.0	280.0	0.0	60.0	100.0	0.0	0.0	262.0	270.0	0.0	0.0	238.0	242.0	8.3	7.6	7.6	248.0	272.00	258.00														
16	4865.0	24	0	24	24	24	24	23	23	50.0	4100.0	40.0	0.0	0.0	280.0	0.0	160.0	100.0	0.0	0.0	248.0	186.0	0.0	0.0	234.0	234.0	8.2	7.6	7.5	228.0	256.00	264.00														
17	5075.0	23	0	23	23	24	24	24	24	105.0	1400.0	40.0	0.0	0.0	280.0	0.0	60.0	100.0	0.0	0.0	230.0	232.0	0.0	0.0	190.0	196.0	8.2	7.1	7.2	250.0	282.00	258.00														
18	5053.0	24	0	24	24	23	23	23	24	113.0	1500.0	40.0	0.0	0.0	280.0	0.0	40.0	100.0	0.0	0.0	260.0	244.0	0.0	0.0	238.0	224.0	8.2	7.1	7.5	212.0	270.00	260.00														
19	4589.0	24	0	24	24	24	24	24	24		1000.0	40.0	0.0	0.0	280.0	0.0	50.0	90.0	0.0	0.0	250.0	256.0	0.0	0.0	248.0	228.0	8.3	7.6	7.5	224.0	278.00	262.00														
20	4400.0	24	0	24	24	24	24	24	23	35.0	1300.0	40.0	0.0	0.0	280.0	0.0	80.0	100.0	0.0	0.0	258.0	242.0	0.0	0.0	230.0	238.0	8.1	7.5	7.6	222.0	268.00	262.00														
21	4550.0	23	0	23	23	23	23	24	24	155.0	2700.0	40.0	0.0	0.0	280.0	0.0	240.0	100.0	0.0	0.0	98.0	226.0	0.0	0.0	226.0	190.0	7.6	7.5	6.8	234.0	120.00	244.00														
22	4881.0	24	0	24	24	24	24	24	24		2900.0	40.0	0.0	0.0	280.0	0.0	120.0	100.0	0.0	0.0	192.0	222.0	0.0	0.0	198.0	182.0	7.8	7.2	6.9	226.0	210.00	226.00														
23	5336.0	24	0	24	24	24	24	23	23	60.0	1300.0	40.0	0.0	0.0	300.0	0.0	60.0	100.0	0.0	0.0	240.0	254.0	0.0	0.0	186.0	206.0	8.0	7.2	6.9	192.0	228.00	210.00														
24	5088.0	24	0	24	24	23	23	24	24	60.0	3000.0	40.0	0.0	0.0	300.0	0.0	140.0	100.0	0.0	0.0	246.0	242.0	0.0	0.0	214.0	224.0	8.0	7.4	7.1	190.0	242.00	250.00														
25	4366.0	23	0	23	23	24	24	24	24	105.0	4900.0	40.0	1100.0	0.0	280.0	0.0	200.0	120.0	0.0	0.0	80.0	120.0	0.0	0.0	188.0	156.0	7.0	7.1	7.5	232.0	84.00	220.00														
26	4460.0	24	0	24	24	24	24	24	24		4400.0	40.0	1100.0	0.0	280.0	0.0	180.0	100.0	0.0	0.0	104.0	80.0	0.0	0.0	120.0	106.0	7.5	7.3	7.0	204.0	116.00	150.00														
27	4159.0	24	0	24	24	24	24	23	23	70.0	4400.0	40.0	1375.0	0.0	280.0	0.0	180.0	80.0	0.0	0.0	84.0	102.0	0.0	0.0	70.0	70.0	7.2	7.1	7.2	166.0	110.00	110.00														
28	4132.0	24	0	24	24	24	23	23	24	70.0	4000.0	40.0	1375.0	0.0	280.0	0.0	180.0	80.0	0.0	0.0	98.0	112.0	0.0	0.0	80.0	86.0	7.2	7.1	7.1	86.0	142.00	140.00														
29	4120.0	23	0	23	23	24	24	24	24	120.0	4300.0	40.0	1513.0	0.0	280.0	0.0	140.0	100.0	0.0	0.0	106.0	126.0	0.0	0.0	78.0	84.0	7.2	7.1	7.1	82.0	140.00	144.00														
30	4201.0	24	0	24	24	24	24	23	23	65.0	4600.0	40.0	1650.0	0.0	280.0	0.0	180.0	100.0	0.0	0.0	110.0	80.0	0.0	0.0	82.0	88.0	7.5	7.6	7.7	88.0	114.00	126.00														
31	4126.0	24	0	24	24	23	23	24	24										0.0	0.0	90.0	112.0	0.0	0.0	74.0	70.0	7.6	7.5	7.2	94.0	110.00	112.00														
Tot	145009.0	737.0		737.0	737.0	735.0	735.0	735.0	735.0	1892.0	66300.0	1200.0	8113.0		8600.0		2410.0	3310.0																												
Avg	4677.7	23.8		23.8	23.8	23.7	23.7	23.7	23.7	82.3	2210.0	40.0	270.4		286.7		80.3	110.3			206.3	211.5			196.4	195.4	7.9	7.4	7.4	204.9	220.0	229.4														
Power Costs		\$18,606.02																																												
Labor Costs		\$49,250.80																																												
Chemicals		\$16,561.69																																												
Supplies		\$312.22																																												
Repairs		\$2,438.48																																												
Testing Cost		\$1,475.00																																												
TOTAL		\$88,644.21																																												
Cost per thousand gallons		\$0.61																																												
										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)																				Signed <i>Phillip Hightower</i>																
										% Wash Water Used										1.30%										Print Phillip Hightower/ Superintendent																
										Ave. Head Loss for Washing																				Title																
																														DEQ Form # 630-577 Revised 5/21/2018																
																														Oper. Cert. No. B90404																



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

Plant: **DWT**

PWSID: **OK1010601**

County: **Bryan**

Month/Year: **Oct. 2019**

Durant City Utilities Authority
System

P.O. Box 578
Address

Durant
City

74702
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 NTU	0
HIGHEST turbidity reading	0.11
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 1.0 NTU in two consecutive 15 minute readings? ☒ No ☐ Yes*
5. Was individual filter level greater than 0.5 NTU in two consecutive measurements after being on line for more than four hours? ☒ No ☐ Yes*
6. Did the same filter exceed 1.0 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 2.0 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, 5 (>10,000 population only), 6, or 7, you must complete the Turbidity Trigger Form, follow instruction on the 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	10.78	2.10	2.60	6	0.05	0.04	0.04	0.04	0.04	0.04	2.8	2.9	2.7	2.9	2.8	2.8	1.0	2.3	
2	10.14	1.40	2.60	6	0.04	0.05	0.05	0.04	0.04	0.04	2.8	3.1	2.8	2.8	2.8	2.7	2.0	0.6	
3	9.47	1.60	2.30	6	0.04	0.05	0.05	0.05	0.04	0.05	2.7	2.7	2.7	2.7	2.6	2.6	2.2	2.0	
4	10.45	2.30	3.20	6	0.05	0.07	0.05	0.04	0.04	0.05	2.6	2.7	3.1	2.7	2.7	2.7	1.9	1.8	
5	8.67	1.80	2.80	6	0.05	0.05	0.05	0.05	0.05	0.04	2.7	2.7	2.8	2.7	2.7	2.7	1.8	2.1	
6	8.96	1.70	2.20	6	0.05	0.05	0.05	0.05	0.04	0.04	2.7	2.8	2.7	2.8	2.7	2.7	1.3	2.2	
7	8.34	2.20	2.70	6	0.05	0.05	0.06	0.05	0.04	0.04	2.8	2.8	2.8	2.3	2.1	2.5	1.6	2.0	
8	7.52	1.50	3.00	6	0.05	0.05	0.05	0.05	0.04	0.04	2.6	2.6	2.6	2.6	2.5	2.5	1.7	1.7	
9	6.44	1.60	1.90	6	0.04	0.04	0.04	0.04	0.05	0.04	2.5	2.6	2.5	2.5	2.5	2.5	1.9	1.8	
10	7.44	1.90	2.40	6	0.04	0.03	0.03	0.03	0.03	0.03	2.4	2.8	2.7	2.7	2.8	2.9	1.8	2.1	
11	10.19	2.20	3.10	6	0.03	0.03	0.03	0.03	0.03	0.03	2.9	3.0	3.1	3.2	3.0	3.0	1.8	2.3	
12	11.85	1.20	2.30	6	0.03	0.08	0.03	0.02	0.02	0.02	3.3	3.5	3.8	2.6	2.2	2.6	2.3	1.9	
13	7.43	1.80	2.80	6	0.04	0.02	0.02	0.02	0.02	0.02	2.7	3.0	2.9	2.9	2.8	2.8	1.2	1.9	
14	5.59	2.10	2.40	6	0.05	0.02	0.02	0.02	0.02	0.02	2.9	3.1	3.0	2.9	2.8	2.7	1.7	2.4	
15	5.51	1.60	2.50	6	0.02	0.02	0.02	0.02	0.02	0.02	2.7	2.8	2.9	2.8	2.7	2.7	2.4	1.7	
16	7.23	2.50	2.70	6	0.03	0.04	0.04	0.03	0.03	0.02	2.8	2.9	2.9	3.0	2.8	2.7	2.1	2.0	
17	35.24	1.90	2.20	6	0.05	0.03	0.03	0.03	0.02	0.03	2.8	3.4	3.3	3.3	2.8	2.7	2.0	2.1	
18	6.67	1.80	2.80	6	0.05	0.04	0.05	0.05	0.07	0.03	2.8	2.9	2.8	2.8	2.6	2.6	2.5	2.1	
19	5.61	1.60	2.20	6	0.03	0.03	0.03	0.03	0.05	0.07	2.6	2.5	2.8	2.7	1.9	2.2	2.2	2.2	
20	7.55	1.40	2.80	6	0.06	0.02	0.03	0.03	0.06	0.04	2.3	2.5	2.5	2.8	2.8	2.6	2.0	1.6	
21	8.81	1.60	3.30	6	0.04	0.06	0.10	0.05	0.05	0.04	2.6	3.1	2.9	2.4	2.3	2.9	2.4	2.0	
22	38.28	2.60	3.50	6	0.04	0.03	0.03	0.03	0.03	0.05	3.4	3.9	3.9	3.7	3.1	2.9	1.7	2.7	
23	17.06	1.70	2.40	6	0.04	0.03	0.03	0.03	0.04	0.04	3.0	3.1	3.1	3.3	3.0	2.9	1.7	2.3	
24	8.18	2.10	3.60	6	0.06	0.03	0.04	0.04	0.03	0.03	3.0	3.0	3.0	2.9	2.8	2.8	2.2	2.2	
25	29.33	3.80	3.70	6	0.05	0.05	0.06	0.05	0.05	0.06	2.9	3.1	2.7	2.3	2.2	2.1	2.1	1.8	
26	102.60	2.90	3.30	6	0.07	0.07	0.06	0.05	0.04	0.04	2.1	2.4	2.4	2.7	2.6	2.4	1.9	1.3	
27	134.10	3.50	3.80	6	0.08	0.08	0.05	0.04	0.04	0.04	2.5	2.7	2.7	2.6	2.4	2.3	1.4	1.1	
28	99.62	3.50	3.20	6	0.11	0.08	0.05	0.04	0.05	0.05	2.3	2.3	2.1	2.2	2.2	2.2	1.3	1.8	
29	95.11	3.70	2.80	6	0.04	0.03	0.03	0.05	0.04	0.03	2.2	2.4	2.4	2.5	2.6	2.5	1.3	1.4	
30	64.03	3.20	3.40	6	0.03	0.03	0.03	0.03	0.03	0.03	2.6	2.8	2.8	2.7	2.7	2.6	1.8	1.8	
31	82.32	3.50	3.60	6	0.03	0.07	0.04	0.03	0.03	0.03	2.6	27.0	2.9	2.9	2.7	2.5	1.0	1.7	

*** 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				0.6				####
2	yes	0.1				0.8				####
3	yes	0.1				0.7				####
4	yes	0.1				0.9				####
5	yes	0.1				0.7				####
6	yes	0.1				0.7				####
7	yes	0.1				0.7				####
8	yes	0.1				0.7				####
9	yes	0.0				0.8				####
10	yes	0.0				0.8				####
11	yes	0.1				0.7				####
12	yes	0.2				0.8				####
13	yes	0.5				0.7				####
14	yes	0.2				0.6				####
15	yes	0.1				0.7				####
16	yes	0.1				0.7				####
17	yes	0.1				0.6				####
18	yes	0.1				0.6				####
19	yes	0.1				0.6				####
20	yes	0.1				0.7				####
21	yes	0.2				0.5				####
22	yes	0.1				0.5				####
23	yes	0.1				0.5				####
24	yes	0.1				0.7				####
25	yes	0.1				0.8				####
26	yes	0.1				0.7				####
27	yes	0.1				0.7				####
28	yes	0.1				0.5				####
29	yes	0.1				0.5				####
30	yes	0.1				0.6				####
31	yes	0.1				0.5				####

Month Oct Year 2019
PWS Name Durant Water Plant

PWSID Ok1010601
Plant Name DWT
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

Phillip Hightower
Signature of owner or operator
Phillip Hightower
Printed name

12/1/2019
Date
B90404
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 October 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. Removed soft starts from raw pump motor's #1 and 2
18. Mowed Towers and pump stations
19. Mowed at lake Durant
20. Had new Variable speed drives installed on raw pump motor's #1 and 2
21. Fixed leak on Old Plant Post CL2 line
22. Ran conduit and pulled the wires for scada to hooked up to the new VFD's at raw pump station
23. Put a new door panal on unit #59
24. Changed light bulbs at Cardinal Glass Tower and Chuckwa Tower
25. All employee's attended Defensive driver training
26. Replaced the Belts on the Air Blower
27. Replaced the belt on the east Old Plant flocculator
28. Fixed electrical conduit construction company dug up
29. Howard Construction working on new Fluoride building
30. Treated 145,009,000 gallons of water

B. Work Planned for January-December

1. Paint buildings
2. Put Gravel at Chuckwa Tower
3. Put Gravel at Raw Pump Station
4. Install two surface wash valve actuators

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