

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.

DURANT CITY UTILITIES AUTHORITY

6:00 PM

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

October 12, 2021

AGENDA

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 September 14, 2021

2. Consider Items Removed from Consent

3. Information Items

- a. Line Maintenance Report - September 2021
- b. Public Works Director Monthly Report - September 2021
- c. Solid Waste Collection Monthly Report- September 2021
- d. Solid Waste Disposal Monthly Report - September 2021
- e. Utility Billing Monthly Report - September 2021
- f. Waste Water Treatment Plant Monthly Reports - September 2021
- g. Water Plant Monthly Reports - September 2021

4. Administration

5. New Business

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 5th day of November, 2020 and that an agenda of said meeting was posted at the place of such meeting at 9:00 a.m. on the 7th day of October, 2021.



Cynthia J. Price, City of Durant



The City of Durant

Memorandum

Date: 10/12/2021
To: Mayor and City Council
From: Cynthia Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of September 14, 2021

Council Information / Action Requested

Approval of Regular Meeting Minutes of September 14, 2021

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

ATTACHMENTS:

1. DCUA Minutes 09142021 cjp

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 5th day of November, 2020 and that an agenda of said meeting was posted at the place of such meeting at 5:20 p.m. on the 9th day of September, 2021.



Cynthia J. Price, City of Durant

**MINUTES OF THE MEETING OF DURANT CITY UTILITIES AUTHORITY
September 14, 2021 AT 6:00 PM,
Roscoe J. Hatfield Council Chambers
300 West Evergreen
Durant, Oklahoma**

CALL TO ORDER

Vice Chairman Sherrer called the meeting to order at 7:57 p.m.

ROLL CALL

Present:

Trustee Steve Brittingham
Trustee Humphrey Miller
Trustee Curtis Morris
Vice Chairman Danny Sherrer
City Attorney Tom Marcum
City Manager John Dean
City Clerk Cynthia J. Price

Absent:

Chairman Oden Grube

ORDER OF BUSINESS

1. Consent Items

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

- a. Consider Approval of Regular Meeting Minutes of August 10, 2021

Motion To: Approve Consent Item as Presented

Motion By: Steve Brittingham

Seconded By: Humphrey Miller

Ayes: Brittingham, Miller, Morris, Sherrer

Nays: None

Abstain: None

Absent: Grube

2. Consider Items Removed from Consent

3. Information Items

- a. Line Maintenance Report - August 2021
- b. Solid Waste Collection Monthly Report - August 2021
- c. Solid Waste Disposal Monthly Report - August 2021
- d. Street Department Monthly Report - August 2021
- e. Utility Billing Monthly Report - August 2021
- f. Waste Water Treatment Plant Monthly Report - August 2021
- g. Water Plant Monthly Reports - August 2021

4. Administration

- a. Discussion, Consideration, and Possible Action on the Purchase of Backup Cable Roll Off Truck from Western Star in the Amount of \$75,350

Motion To: Approve Purchase of Backup Cable Roll Off Truck from Western Star in the Amount of \$75,350

Motion By: Curtis Morris

Seconded By: Humphrey Miller

Ayes: Brittingham, Miller, Morris, Sherrer

Nays: None

Abstain: None

Absent: Grube

- b. Discussion, Consideration and Possible Action on Repairs to the Bomag Machine to be Performed by Yellow House Machinery in the amount of \$63,474.34

Motion To: Approve Repairs to the Bomag Machine to be Performed by Yellow House Machinery in the Amount of \$63,474.34

Motion By: Steve Brittingham

Seconded By: Humphrey Miller

Ayes: Brittingham, Miller, Morris, Sherrer

Nays: None

Abstain: None

Absent: Grube

- c. Discussion, Consideration and Possible Action on Award of the Filter Under Drain Repair Bid to Howard Construction in the Amount of \$125,000.00

Motion To: Award of Filter Under Drain Repair Bid to Howard Construction in the Amount of \$125,000.00

Motion By: Steve Brittingham

Seconded By: Humphrey Miller

Ayes: Brittingham, Miller, Morris, Sherrer

Nays: None

Abstain: None

Absent: Grube

5. New Business

Council Member Morris - Reported spillage coming out of landfill going north on Ninth.

ADJOURNMENT

Motion To: Adjourn Meeting

Motion By: Steve Brittingham

Seconded By: Humphrey Miller

Ayes: Brittingham, Miller, Morris, Sherrer

Nays: None

Abstain: None

Absent: Grube



The City of Durant

Memorandum

Date: 10/12/2021
To: Mayor and City Council
From: Randy Cantrell, Crew Leader
Re: Line Maintenance Report - September 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Line Maintenance Report for September 2021

Water Leaks Repaired	45
Water Taps Installed	1
Sewer Taps	3

The BIG AMR/AMI project has started and the installers has installed 99.3% as of September 30, 2021. Most of these remaining is the larger diameter meters, the big meter crew has made it here and started the installs.



The City of Durant

Memorandum

Date: 10/12/2021
To: Mayor and City Council
From: Phillip Hightower, Public Works Director
Re: Public Works Director Monthly Report - September 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. Public Works Director Monthly Report - September 2021



THE CITY OF DURANT

Office of the Public Works Director

Public Works Monthly Report

- Sludge Press at the sewer plant is operational
- 24" force main project is completed
- The project for the AMR meters is now in the large meter phase
- Extra Haul was on the 11th of September
- Score boards at DMSC were installed, they are waiting to be programmed
- Had the first Market Square Concert
- Overlaid part of the street at the Cemetery
- Fixed the street at Louisiana and 9th by the elementary school
- Contractor was awarded bid for the under drain project at the water plant
- The upgrade at the Water Plant is still on hold, they are waiting on parts delivery
- Landfill received its new roll off truck
- Had meeting with mowing contractors
- Determined that mowing from 49th street to Cardinal Glass was ODOT's responsibility
- Met with Choctaw's on future plans

Respectfully Submitted
Phillip Hightower



The City of Durant

Memorandum

Date: 10/12/2021
To: Mayor and City Council
From: Jared Dillingham, Superintendent
Re: Solid Waste Collection Monthly Report- September 2021

Solid Waste Collection Monthly Report- September 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. Monthly Report- September



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS

September 2021

A. Work Completed:

1. Hauled 19.13 tons of extra hauling
2. Hauled 8 loads of extra hauling
3. Picked up and delivered 13 sharps
4. No abatement this month
5. Cleaned Sunny Side rd. 1 time
6. Replaced 7 dumpsters with new
7. Cleaned dead ends of Cemetery rd. 1 time

B. Work Planned For October 2021

1. Replace dumpsters
2. Pick up trash

C. Work Planned For January 1, 2021 – December 31, 2021

1. Pick up trash
2. Replace dumpsters

D. Projects Planned And Requested For Authorization:

None



The City of Durant

Memorandum

Date: 10/12/2021
To: Mayor and City Council
From: Kenny Cooper, Supervisor
Re: Solid Waste Disposal Monthly Report - September 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. September Project Schedule 2021
2. September 2021 DEQ Report



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE *September 2021*

A. Work Completed for September :

1. Covered C & D Site
2. Hauled MSW To SORD
3. Number of rolloff containers in service end of month 141
4. Number of rolloff containers added to service during month 42
5. Number of rolloff containers removed from service during month 22
6. Number of loaded rolloff containers emptied during month 363

B. Work Planned For October :

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. '21 – Dec. '21:

Approx. Start – Finish Date:

1. Haul trash to Ardmore 1-2021 thru 12-2021

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: SEPTEMBER 2021

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: 25

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	13.86									
2	5.8									
3	12.51									
4	5.12									
5										
6										
7	25.79									
8	11.36									
9	58									
10	22.56									
11	31.55									
12										
13	12.69									
14	25.1									
15	15.48									
16	11.65									
17	11.25									
18	19.67									
19										
20	12.57									
21	8.89									
22	25.11									
23	8.61									
24	14.53									
25	10.84									
26										
27	6.73									
28	5.54									
29	21.7									
30	26.95									
31										
Total	423.86	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: [Signature]

Phone #: 580-924-8358

Date: 10-4-21

e-mail address: kcooper@durant.org

INSTRUCTIONS FOR COMPLETING THE MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES



The City of Durant

Memorandum

Date: 10/12/2021
To: Mayor and City Council
From: Stephanie Barfield, Supervisor
Re: Utility Billing Monthly Report - September 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. 20211004093132877



Monthly Utility Billing,
Cash Collection,
And Consumption Summary

SEPTEMBER 2021

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	7109		7032		6201	
Total Revenue Billed	\$376,856.08	\$1,080,540.31	\$220,304.46	\$676,824.41	\$376,856.08	\$1,141,745.31
Adjustments in Dollar	(\$11,244.57)	(\$28,982.64)	(\$31,469.42)	(\$78,029.74)	(\$11,848.87)	(\$38,293.38)
TOTAL CASH RECEIPTS	\$301,386.02	\$783,378.68	\$107,740.47	\$293,109.56	\$228,555.62	\$608,978.69

CONSUMPTION IN GALLONS	114,322,500
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NEW SERVICE APPLICATIONS	82
NUMBER OF WALK IN/PHONE PAYMENTS	1,185
MAIL PAYMENTS	1,265
CREDIT CARD PAYMENTS	1,170
WEB PAYMENTS	1,670
DROP BOX PAYMENTS	417
BANK DRAFT PAYMENTS	953
CREDIT CARD DRAFT PAYMENTS	357
KIOSK	1,391
OTHERS	



The City of Durant

Memorandum

Date: 10/12/2021
To: Mayor and City Council
From: Ray Anthony, Superintendent
Re: Waste Water Treatment Plant Monthly Reports - September 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

9/1/21 to 9/30/21

Tests Processed

<u>71</u>	Bac-t's
<u>90</u>	BOD's
<u>25</u>	TSS's
<u>61</u>	NH3's
<u>60</u>	DO's
<u>60</u>	pH's
<u>80</u>	Ecoli's
<u>0</u>	FOG's
<u>20</u>	cBOD's
<u>12</u>	Total Solids
<u>11</u>	Settleable Solids
<u>39</u>	Settleometer Test

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 Wastewater Treatment Plant

PROJECTS SCHEDULE

WORK DONE FOR SEPTEMBER 2021

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (Ongoing)
- 2: CLEAN CLARIFIER WEIRS (9/2/21)
- 3: VEHICLE INSPECTION (9/7/21)
- 4: CLEAN SCUM PUMP STATION (9/9/21)
- 5: CLEAN DRAIN LIFT STATION (9/10/21)
- 6: CHECK CLARIFIER OIL WEEKLY (9/7, 9/13, 9/20, 9/27/21)
- 7: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER (9/23/21)
- 8: FIX CHOCTAW SCREEN PRESS PUMP (Ongoing)
- 9: CONSTRUCTION STARTED ON SLUDGE PRESS. (Ongoing)
- 10: WALK-THRU INSPECTION (Ongoing)
- 11: WASH DOWN STEP SCREEN (9/13/21)
- 12: CLEAN UV TROUGHS AND FLUME (8/7, 9/13, 9/20, 9/27/21)
- 13: CHECK ELECTRIC MANHOLES (9/20/21)
- 14: CLEAN OUT BUILDINGS (Ongoing)
- 15: MANUALLY CHECK U.V. BULBS (9/7, 9/13, 9/20, 9/27/21)
- 16: WASH DOWN CASINO STEPSCREEN (9/9/21)
- 17: CHECK ALL AUTOMATIC VALVES (Ongoing)
- 18: SCUM PUMP STATION PUT ON FLOATS (Ongoing)
- 19: INSTALL NEW LEVEL CONTROL AT HEADWORKS (Ongoing)



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

WORK PLANNED FOR OCTOBER 2021

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (Ongoing)
- 2: CLEAN CLARIFIER WEIRS
- 3: VEHICLE INSPECTION
- 4: CLEAN SCUM PUMP STATION
- 5: CLEAN DRAIN LIFT STATION
- 6: CHECK CLARIFIER OIL WEEKLY
- 7: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER
- 8: FIX CHOCTAW SCREEN PRESS PUMP (Ongoing)
- 9: CONSTRUCTION STARTED ON SLUDGE PRESS. (Ongoing)
- 10: WALK-THRU INSPECTION
- 11: WASH DOWN STEP SCREEN
- 12: CLEAN UV TROUGHS AND FLUME
- 13: CHECK ELECTRIC MANHOLES
- 14: CLEAN OUT BUILDINGS
- 15: MANUALLY CHECK U.V. BULBS
- 16: WASH DOWN CASINO STEPSCREEN
- 17: CHECK ALL AUTOMATIC VALVES (Ongoing)
- 18: SCUM PUMP STATION PUT ON FLOATS (Ongoing)
- 19: INSTALL NEW LEVEL CONTROL AT HEADWORKS (Ongoing)
- 20: REMOVE SCREENPRESS GASKET
- 21: HAVE PRE-AIR BLOWER WIRED
- 22: INSTALL HEATERS IN GBT BUILDING
- 23: RUN NEW WIRE IN PRIMARY WAS BUILDING
- 24: HAVE CARD REPLACED IN SBR#4 EMI VALVE



The City of Durant

Memorandum

Date: 10/12/2021
To: Mayor and City Council
From: Phillip Hightower, Public Works Director
Re: Water Plant Monthly Reports - September 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. September 2021 CL02 MOR
2. September 2021 MOR #1
3. September 2021 MOR #2
4. September 2021 new blank fluoride mor
5. September LT2
6. September Monthly Report

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				0.8				####
2	yes	0.1				0.6				####
3	yes	0.1				0.8				####
4	yes	0.1				0.8				####
5	yes	0.0				0.8				####
6	yes	0.1				0.5				####
7	yes	0.1				0.8				####
8	yes	0.1				0.6				####
9	yes	0.2				0.7				####
10	yes	0.1				0.7				####
11	y	0.1				0.9				####
12	yes	0.1				0.8				####
13	yes	0.1				0.9				####
14	yes	0.1				0.9				####
15	yes	0.1				0.9				####
16	yes	0.1				0.9				####
17	yes	0.1				0.9				####
18	yes	0.1				0.9				####
19	yes	0.1				0.8				####
20	yes	0.2				0.9				####
21	yes	0.2				0.9				####
22	yes	0.1				0.8				####
23	yes	0.2				0.9				####
24	yes	0.2				0.9				####
25	yes	0.1				0.9				####
26	yes	0.1				0.8				####
27	yes	0.4				0.8				####
28	yes	0.1				0.8				####
29	yes	0.3				0.8				####
30	yes	0.3				0.8				####
31										####

Month September Year 2021
PWS Name Durant Water Treatment Plant

PWSID 1010601
Plant Name WTP
Total 28

Section 2: Summary of Chlorine Dioxide Daily Monitoring

- a. Number of Samples Collected 30.0
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 30.0
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

10/5/2021
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



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

Plant: DWT
PWSID: 1010601
County: Bryan
Month: September 2021

Durant Utilities AuthorityP.O. Box 578Durant, OK74702

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		Special Test		REMARKS							
		FILTERS USED-HOURS									ALUM	POLYMER	Caustic	Fluoride	Chlorite	OTHER	CHLORINE				TOTAL	TOTAL	"P"	"P"					TOTAL	TOTAL	RAW	FILT		RAW	FILT	RAW	FILT			
		1	2	3	4	5	6	7	8								PRE	POST																						
1	5982.0	0	24	24	24	24	24	24	24		1900.0	0.0	0.0	82.0	280.0		140.0	100.0	0.0	0.0	242.0	248.0	0.0	0.0	224.0	226.0	8.1	7.5	7.1	224.0	242.00	250.00								
2	6058.0	0	24	24	23	24	23	24	24		1900.0	0.0	0.0	83.0	280.0		170.0	150.0	0.0	0.0	250.0	240.0	0.0	0.0	218.0	230.0	8.2	7.6	7.4	218.0	260.00	246.00								
3	5969.0	0	23	23	24	24	24	24	24		2000.0	0.0	0.0	82.0	280.0		120.0	90.0	0.0	0.0	248.0	236.0	0.0	0.0	215.0	220.0	8.2	7.6	7.2	225.0	242.00	246.00								
4	6509.0	0	24	24	24	23	24	24	24		2200.0	0.0	0.0	89.0	280.0		160.0	120.0	0.0	0.0	240.0	240.0	0.0	0.0	212.0	216.0	8.3	7.6	7.4	212.0	244.00	248.00								
5	6605.0	0	24	24	24	24	24	23	23		2200.0	0.0	0.0	91.0	280.0		200.0	110.0	0.0	0.0	226.0	238.0	0.0	0.0	204.0	228.0	8.1	7.5	7.4	212.0	236.00	230.00								
6	6616.0	0	24	24	24	24	23	24	24		2200.0	0.0	0.0	91.0	280.0		200.0	110.0	0.0	0.0	240.0	232.0	0.0	0.0	216.0	212.0	8.1	7.4	7.4	228.0	238.00	232.00								
7	6082.0	0	23	23	23	24	24	24	24		2000.0	0.0	0.0	84.0	280.0		120.0	80.0	0.0	0.0	238.0	246.0	0.0	0.0	210.0	222.0	8.2	7.5	7.4	214.0	240.00	234.00								
8	5435.0	0	24	24	24	24	24	24	24		2200.0	0.0	0.0	75.0	280.0		120.0	100.0	0.0	0.0	238.0	244.0	0.0	0.0	218.0	226.0	8.2	7.9	7.6	220.0	246.00	238.00								
9	5468.0	0	24	24	24	23	23	24	24		1800.0	0.0	0.0	75.0	280.0		0.0	100.0	0.0	0.0	242.0	234.0	0.0	0.0	220.0	214.0	8.2	7.5	7.5	220.0	246.00	240.00								
10	5458.0	0	24	24	24	24	24	23	23		1700.0	0.0	0.0	75.0	280.0		0.0	100.0	0.0	0.0	246.0	240.0	0.0	0.0	218.0	226.0	8.2	7.6	7.5	220.0	252.00	248.00								
11	6092.0	0	24	24	24	24	24	24	24		1900.0	0.0	0.0	84.0	280.0		0.0	140.0	0.0	0.0	246.0	250.0	0.0	0.0	216.0	226.0	8.2	7.6	7.5	260.0	248.00	248.00								
12	6445.0	0	23	23	23	24	24	24	24		2300.0	0.0	0.0	89.0	280.0		0.0	160.0	0.0	0.0	232.0	240.0	0.0	0.0	214.0	228.0	8.2	7.6	7.6	224.0	244.00	236.00								
13	6646.0	0	24	24	24	23	23	24	24		1900.0	0.0	0.0	91.0	280.0		0.0	160.0	0.0	0.0	254.0	252.0	0.0	0.0	228.0	232.0	8.2	7.5	7.6	226.0	244.00	240.00								
14	5888.0	0	24	24	24	24	24	23	23		2000.0	0.0	0.0	81.0	280.0		0.0	140.0	0.0	0.0	246.0	254.0	0.0	0.0	230.0	234.0	8.2	7.6	7.4	224.0	270.00	248.00								
15	5915.0	0	23	23	24	24	24	24	24		1600.0	0.0	0.0	81.0	280.0		0.0	120.0	0.0	0.0	248.0	252.0	0.0	0.0	222.0	232.0	8.3	7.7	7.5	228.0	246.00	240.00								
16	6079.0	0	24	24	23	24	24	24	24		2300.0	0.0	0.0	83.0	280.0		0.0	150.0	0.0	0.0	246.0	250.0	0.0	0.0	224.0	230.0	8.3	7.8	7.6	232.0	264.00	246.00								
17	5851.0	0	24	24	24	24	24	24	24		2000.0	0.0	0.0	80.0	280.0		0.0	160.0	0.0	0.0	250.0	260.0	0.0	0.0	230.0	232.0	8.4	7.9	7.5	236.0	250.00	246.00								
18	5968.0	0	24	24	24	23	23	24	24		1800.0	0.0	0.0	82.0	280.0		0.0	180.0	0.0	0.0	246.0	256.0	0.0	0.0	228.0	232.0	8.2	7.6	7.6	228.0	248.00	246.00								
19	5990.0	0	24	24	24	24	24	23	23		2200.0	0.0	0.0	82.0	280.0		0.0	160.0	0.0	0.0	242.0	250.0	0.0	0.0	224.0	234.0	8.2	7.6	7.6	230.0	246.00	244.00								
20	5988.0	0	23	23	23	24	24	24	24		1700.0	0.0	0.0	82.0	280.0		0.0	120.0	0.0	0.0	256.0	256.0	0.0	0.0	236.0	230.0	8.2	7.7	7.7	234.0	254.00	252.00								
21	6160.0	0	24	24	24	24	24	24	24		2000.0	0.0	0.0	85.0	280.0		0.0	240.0	0.0	0.0	242.0	258.0	0.0	0.0	236.0	236.0	8.2	7.7	7.6	224.0	250.00	246.00								
22	6364.0	0	24	24	24	23	23	24	24		2000.0	0.0	0.0	87.0	280.0		0.0	200.0	0.0	0.0	250.0	258.0	0.0	0.0	230.0	238.0	8.3	7.8	7.5	226.0	248.00	242.00								
23	6265.0	0	24	24	24	24	24	23	23		1900.0	0.0	0.0	86.0	280.0		0.0	160.0	0.0	0.0	244.0	256.0	0.0	0.0	236.0	240.0	8.4	7.8	7.7	230.0	242.00	242.00								
24	5505.0	0	23	23	23	24	24	24	24		120.0	1700.0	0.0	0.0	76.0	280.0		0.0	180.0	0.0	0.0	242.0	254.0	0.0	0.0	236.0	240.0	8.2	7.7	7.6	236.0	252.00	258.00							
25	4992.0	0	24	24	24	24	23	24	24		1500.0	0.0	0.0	69.0	280.0		0.0	140.0	0.0	0.0	244.0	252.0	0.0	0.0	230.0	232.0	8.1	7.5	7.4	240.0	268.00	254.00								
26	5668.0	0	22	23	23	23	24	24	24		1500.0	0.0	0.0	78.0	280.0		0.0	160.0	0.0	0.0	240.0	260.0	0.0	0.0	224.0	234.0	7.9	7.4	7.7	242.0	246.00	252.00								
27	5828.0	0	24	24	24	24	24	24	24		1800.0	0.0	0.0	80.0	280.0		0.0	120.0	0.0	0.0	262.0	262.0	0.0	0.0	248.0	242.0	8.0	7.5	7.5	242.0	260.00	254.00								
28	6513.0	0	24	24	24	24	24	23	23		1900.0	0.0	0.0	89.0	280.0		0.0	130.0	0.0	0.0	242.0	260.0	0.0	0.0	228.0	240.0	8.1	7.6	7.6	248.0	262.00	246.00								
29	5732.0	0	24	24	24	24	24	24	24		3000.0	0.0	0.0	76.0	280.0		100.0	160.0	0.0	0.0	246.0	262.0	0.0	0.0	226.0	234.0	8.2	7.6	7.6	242.0	260.00	254.00								
30	5628.0	0	24	24	24		23	23	24	24		2100.0	0.0	0.0	77.0	280.0		140.0	100.0	0.0	0.0	240.0	250.0	0.0	0.0	228.0	226.0	7.9	7.3	7.2	234.0	270.00	248.00							
31																																								
Tot	179699.0		712.0	713.0	713.0	713.0	712.0	714.0	714.0		1718.0			2465.0	8400.0		1470.0	4140.0																						
Avg	5990.0		23.7	23.8	23.8	23.8	23.7	23.8	23.8		68.7			82.2	280.0		49.0	138.0			244.3	249.7			224.3	229.7	8.2	7.6	7.5	229.3	250.6	245.1								
Power Costs	\$25,114.66																																							
Labor Costs	\$49,250.80										Ave Rate of Wash (Vert. in/min)																													
Chemicals	\$13,641.05																																							
Supplies	\$732.61										Ave Wash Period (Minutes)																													
Repairs	\$2,603.68																																							
Testing Cost	\$130.00										% Wash Water Used										0.96%																			
TOTAL	\$91,472.80																																							
Cost per thousand gallons	\$0.51										Ave. Head Loss for Washing																													
I hereby certify the above to be correct to the best of my knowledge.																																								
Signed																				DEQ Form # 630-577 Revised 5/21/2018																				
Print										Phillip Hightower										Oper. Cert. No. B90404																				
Title																																								



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

Plant: **DWT**

PWSID: **1010601**

County: **Bryan**

Month/Year: **September 2021**

Durant Utilities Authority
System

P.O. Box 578
Address

Durant, OK
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	180
Total number of turbidity readings	180
Number of turbidity readings above 1 NTU	0
HIGHEST turbidity reading	0.13
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	180
Number of samples below 1.0 mg/L	0
Free Chlorine-Distribution	
Total number of chlorine residual samples	60
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)	

				# 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	3.94	2.20	3.20	6	0.04	0.04	0.04	0.04	0.04	0.04	2.8	2.9	2.9	2.6	2.3	2.5	2.1	2.2	
2	5.55	3.30	3.40	6	0.05	0.06	0.05	0.07	0.05	0.05	2.8	2.8	2.9	2.5	2.4	2.7	1.8	2.2	
3	9.95	2.10	3.10	6	0.05	0.05	0.04	0.04	0.04	0.05	2.8	2.9	3.1	2.7	2.3	2.7	1.7	2.1	
4	11.94	2.50	3.50	6	0.04	0.06	0.07	0.07	0.06	0.06	2.8	2.9	3.0	2.7	2.4	2.8	1.6	2.2	
5	12.27	2.60	3.60	6	0.06	0.07	0.07	0.05	0.05	0.07	2.8	2.9	2.9	2.7	2.5	2.8	2.1	1.7	
6	5.55	2.30	3.40	6	0.06	0.06	0.05	0.05	0.05	0.05	2.9	3.0	3.0	2.7	2.4	2.7	1.9	2.0	
7	4.72	2.20	2.90	6	0.06	0.05	0.04	0.04	0.04	0.04	2.8	3.0	3.0	3.0	2.4	2.2	2.2	1.7	
8	3.09	2.20	3.30	6	0.04	0.04	0.04	0.04	0.03	0.04	2.6	2.7	2.8	2.8	2.4	2.2	2.1	1.9	
9	3.92	2.20	2.80	6	0.06	0.06	0.05	0.04	0.04	0.04	2.4	2.6	2.8	2.7	2.4	2.2	1.8	2.0	
10	8.43	2.20	2.90	6	0.05	0.05	0.05	0.05	0.05	0.05	2.2	2.0	2.0	2.0	2.1	2.0	1.7	1.7	
11	8.24	2.10	3.10	6	0.05	0.05	0.05	0.05	0.08	0.08	2.0	1.8	1.9	2.4	2.6	2.6	1.4	2.2	
12	3.09	2.70	3.30	6	0.07	0.07	0.07	0.06	0.05	0.06	2.6	2.7	2.6	2.8	2.8	2.8	1.5	1.7	
13	4.74	2.70	3.40	6	0.08	0.07	0.06	0.05	0.06	0.06	2.8	2.7	2.6	2.6	2.7	2.6	1.6	1.9	
14	5.55	2.80	3.00	6	0.06	0.07	0.08	0.09	0.09	0.08	2.6	2.6	2.5	2.6	2.9	2.6	2.0	1.7	
15	6.46	2.70	3.20	6	0.07	0.07	0.07	0.07	0.08	0.10	2.6	2.5	2.5	2.5	2.5	2.5	1.0	1.5	
16	6.46	2.30	3.30	6	0.12	0.11	0.09	0.08	0.06	0.12	2.5	2.5	2.6	2.8	2.6	2.6	2.2	1.7	
17	11.44	2.30	3.20	6	0.06	0.06	0.06	0.06	0.06	0.06	2.6	2.5	1.7	2.2	2.6	2.7	1.6	2.2	
18	11.15	2.20	3.00	6	0.06	0.08	0.08	0.07	0.06	0.06	2.7	2.7	3.2	2.7	2.8	2.8	1.6	2.2	
19	3.92	2.40	3.20	6	0.06	0.10	0.06	0.05	0.05	0.05	2.8	2.9	3.0	3.0	3.0	3.0	1.5	2.1	
20	2.23	2.60	3.30	6	0.06	0.05	0.05	0.05	0.05	0.05	2.9	3.0	2.9	2.9	3.0	3.0	2.1	2.2	
21	3.08	2.10	3.10	6	0.05	0.05	0.09	0.06	0.06	0.06	2.9	2.9	2.9	3.0	3.0	2.9	1.8	1.9	
22	3.09	1.90	2.80	6	0.09	0.07	0.06	0.07	0.05	0.07	2.8	3.2	2.8	2.8	2.9	2.9	2.1	2.2	
23	1.43	2.40	2.90	6	0.09	0.06	0.10	0.10	0.05	0.05	2.9	3.1	2.9	2.9	2.9	2.9	2.1	2.7	
24	10.79	2.50	2.70	6	0.05	0.05	0.06	0.04	0.05	0.05	2.8	2.9	3.0	3.1	3.1	3.1	1.5	1.8	
25	8.33	1.90	2.60	6	0.07	0.08	0.09	0.09	0.05	0.04	3.1	3.1	3.0	3.0	3.0	2.3	1.9	2.2	
26	3.08	3.70	3.10	6	0.11	0.05	0.05	0.08	0.13	0.06	2.9	3.2	3.0	3.0	2.9	3.5	1.7	1.6	
27	8.31	2.40	2.70	6	0.05	0.05	0.08	0.05	0.05	0.05	3.8	3.0	2.9	3.0	3.0	3.0	2.2	2.2	
28	3.09	3.20	3.20	6	0.10	0.06	0.06	0.06	0.06	0.05	2.9	3.6	3.0	3.0	2.9	2.9	2.2	2.5	
29	5.53	2.10	2.90	6	0.05	0.09	0.11	0.08	0.07	0.05	2.4	2.3	2.6	2.7	2.7	2.8	2.2	2.0	
30	3.90	2.30	2.70	6	0.05	0.05	0.04	0.04	0.04	0.04	2.8	3.0	3.2	2.9	2.3	2.6	2.0	1.8	
31																			

*** 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.'

* 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.

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

PWSID 1010601 SYSTEM Durant Ok (SW) MONTH September
Type of Material Applied* Hydrofluorosilicic Acid Year 2021

Date	Water Treated (1000s of Gallons)	Applied		Residual Fluoride (F), ppm			
		lbs.	PPM of F	Raw		Distribution	
				(1)	(2)	(1)	(2)
1	5981	82	0.3	0.0	0.00	0.76	0.32
2	6058	83	0.3	0.0	0.00	0.70	0.37
3	5969	82	0.3	0.23	0.06	0.36	0.47
4	6509	89	0.3	0.10	0.00	0.61	0.41
5	6605	91	0.3	0.00	0.02	0.63	0.38
6	6616	91	0.3	0.00	0.00	0.31	0.53
7	6082	84	0.3	0.00	0.29	0.12	0.81
8	5435	75	0.3	0.00	0.00	0.53	0.48
9	5468	75	0.3	0.00	0.13	0.34	0.57
10	5458	75	0.3	0.11	0.00	0.62	0.44
11	6082	84	0.3	0.00	0.03	0.51	0.51
12	6445	89	0.3	0.24	0.09	0.55	0.54
13	6646	91	0.3	0.00	0.04	0.48	0.43
14	5888	81	0.3	0.00	0.00	0.45	0.37
15	5915	81	0.3	0.00	0.00	0.42	0.43
16	6079	83	0.3	0.00	0.03	0.52	0.28
17	5851	80	0.3	0.00	0.00	0.29	0.62
18	5968	82	0.3	0.47	0.01	1.07	0.31
19	5990	82	0.3	0.13	0.00	0.58	0.33
20	5988	82	0.3	0.00	0.01	0.40	0.42
21	6160	85	0.3	0.21	0.14	0.71	0.49
22	6364	87	0.3	0.00	0.02	0.26	0.55
23	6265	86	0.3	0.00	0.18	0.54	0.41
24	5505	76	0.3	0.36	0.13	0.98	0.50
25	4992	69	0.3	0.01	0.23	0.66	0.59
26	5668	78	0.3	0.15	0.00	0.67	0.42
27	5828	80	0.3	0.08	0.00	0.46	0.46
28	6513	89	0.3	0.12	0.00	0.89	0.38
29	5732	79	0.3	0.02	0.00	0.49	0.43
30	5628	77	0.3	0.08	0.03	0.96	0.46
31							
Total	179688	2468	9	2.31	1.44	16.87	13.71
Average	5990	82	0.30	0.08	0.05	0.56	0.46

* 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 Phillip Hightower
Title Superintendent
City Durant Ok

Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR)
Monthly Operating Report Addendum
INSTRUCTIONS

Instructions: Answer all of the following questions for each individual filter at both plants. **If any IFE measurement is above 0.15 NTU complete and attach the Turbidity Trigger Evaluation form.** Do **not** report IFE turbidities less than 15 minutes after a filter backwash or if the filter is not contributing to the CFE (i.e. filter not operating, filter to waste or recycling, etc.).

Log Requirements

Your system is required to achieve a 2.0-log *Cryptosporidium* credit to be in compliance with the LT2ESWTR. This includes a minimum log credit of 1.0 through the addition of chlorine dioxide, a 0.5-log credit for combined filter performance and a 0.5-log credit for individual filter performance.

- To obtain a 0.5-log *Cryptosporidium* removal credit for IFE turbidity you must meet **both** of the following requirements:
 - IFE turbidity must be less than 0.15 NTU in at least 95 percent of values recorded at **each** filter.
 - No individual filter may have a measured turbidity greater than 0.3 NTU in two consecutive measurements taken 15 minutes apart.
- To obtain a 0.5-log *Cryptosporidium* removal credit for the CFE turbidity the measurements taken for the month at each plant must be equal to or less than 0.15 NTU in at least 95 percent of the measurements.
- The amount of *Cryptosporidium* inactivation log credit your system may receive is determined by the CT provided in the treatment process. The LT2ESWTR requires CT to be calculated at least once per day with both C (chlorine dioxide concentration) and T (contact time) measured during peak hourly flow. Log credit for chlorine dioxide as a function of CT and water temperature is determined using the chlorine dioxide CT table (see reverse) for *Cryptosporidium* inactivation.
 - Log credit should be calculated separately for each section of the raw water line. Total log credit for the raw water line is the sum of the log credit for each section of the raw water line.
 - Log credit should be calculated separately for each clarifier, taking into account the volume of water through each clarifier. Total log credit for the clarifiers should only include the lower of the two clarifier log credits.
 - Total daily log credit is the sum of the log credits for each section of the raw water line and the lower log credit of the two clarifiers.

Note: The LT2ESWTR requires all systems utilizing chlorine dioxide for disinfection to adhere to the Disinfectant Byproducts Rule (DBPR) regarding chlorine dioxide and chlorite monitoring. This requirement also includes the completion and submission of the *Chlorine Dioxide and Chlorite Monitoring and Reporting Form*.

CT Values (mg-min/L) for *Cryptosporidium* Inactivation by chlorine Dioxide¹

Log credit	Water Temperature, °C										
	≤ 0.5	1	2	3	5	7	10	15	20	25	30
0.25	159	153	140	128	107	90	69	45	29	19	12
0.50	319	305	279	256	214	180	138	89	58	38	24
1.00	637	610	558	511	429	360	277	179	116	75	49
1.50	956	915	838	767	643	539	415	268	174	113	73
2.00	1275	1220	1117	1023	858	719	553	357	232	150	98
2.50	1594	1525	1396	1278	1072	899	691	447	289	188	122
3.00	1912	1830	1675	1534	1289	1079	830	536	347	226	147

¹Systems may use this equation to determine log credit between the indicated values:

$$\text{Log credit} = (0.001506 \times (1.09116)^{\text{Temp}}) \times \text{CT}$$



Oklahoma DEQ
Water Quality Division
P.O. Box 1677
Oklahoma City, OK 73101
(405) 702-8100 Fax (405) 702-8101

Durant WTP
OK1010601
Water Treatment Plant—TP001
Month/Year: Month Year

Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR)

Monthly Operating Report Addendum

1) INDIVIDUAL FILTER EFFLUENTS (IFE)s

New Water Treatment Plant
Filter #1
1. Was turbidity measured every 15 minutes? Yes ☒ No ☐
2. Total number of turbidity samples: 2880
3. Number of turbidity samples greater than 0.15 NTU: 0
4. Percent of turbidity samples greater than 0.15 NTU: 0
5. Were there 2 consecutive 15 minute measurements greater than 0.3 NTU? Yes ☐ No ☒
Filter #2
1. Was turbidity measured every 15 minutes? Yes ☒ No ☐
2. Total number of turbidity samples: 2880
3. Number of turbidity samples greater than 0.15 NTU: 0
4. Percent of turbidity samples greater than 0.15 NTU: 0
5. Were there 2 consecutive 15 minute measurements greater than 0.3 NTU? Yes ☐ No ☒
Filter #3
1. Was turbidity measured every 15 minutes? Yes ☒ No ☐
2. Total number of turbidity samples: 2880
3. Number of turbidity samples greater than 0.15 NTU: 0
4. Percent of turbidity samples greater than 0.15 NTU: 0
5. Were there 2 consecutive 15 minute measurements greater than 0.3 NTU? Yes ☐ No ☒
Filter #4
1. Was turbidity measured every 15 minutes? Yes ☒ No ☐
2. Total number of turbidity samples: 2880
3. Number of turbidity samples greater than 0.15 NTU: 0
4. Percent of turbidity samples greater than 0.15 NTU: 0
5. Were there 2 consecutive 15 minute measurements greater than 0.3 NTU? Yes ☐ No ☒
Old Water Treatment Plant
Filter #1
1. Was turbidity measured every 15 minutes? Yes ☐ No ☐
2. Total number of turbidity samples: #
3. Number of turbidity samples greater than 0.15 NTU: #
4. Percent of turbidity samples greater than 0.15 NTU: %
5. Were there 2 consecutive 15 minute measurements greater than 0.3 NTU? Yes ☐ No ☐
Filter #2
1. Was turbidity measured every 15 minutes? Yes ☒ No ☐
2. Total number of turbidity samples: 2880
3. Number of turbidity samples greater than 0.15 NTU: 0
4. Percent of turbidity samples greater than 0.15 NTU: 0
5. Were there 2 consecutive 15 minute measurements greater than 0.3 NTU? Yes ☐ No ☒
Filter #3
1. Was turbidity measured every 15 minutes? Yes ☒ No ☐
2. Total number of turbidity samples: 2880
3. Number of turbidity samples greater than 0.15 NTU: 0
4. Percent of turbidity samples greater than 0.15 NTU: 0
5. Were there 2 consecutive 15 minute measurements greater than 0.3 NTU? Yes ☐ No ☒
Filter #4
1. Was turbidity measured every 15 minutes? Yes ☒ No ☐
2. Total number of turbidity samples: 2880
3. Number of turbidity samples greater than 0.15 NTU: 0
4. Percent of turbidity samples greater than 0.15 NTU: 0
5. Were there 2 consecutive 15 minute measurements greater than 0.3 NTU? Yes ☐ No ☒

2) COMBINED FILTER EFFLUENTS (CFEs)

New Water Treatment Plant
1. Was turbidity measured every 4 hours? Yes ☒ No ☐
2. Total number of turbidity samples: 90
3. Number of turbidity samples greater than 0.15 NTU: 0
4. Percent of turbidity samples greater than 0.15 NTU: 0
Old Water Treatment Plant
1. Was turbidity measured every 4 hours? Yes ☒ No ☐
2. Total number of turbidity samples: 90
3. Number of turbidity samples greater than 0.15 NTU: 0
4. Percent of turbidity samples greater than 0.15 NTU: 0

3) CHLORINE DIOXIDE

Raw Water Line
1. Was the concentration of chlorine dioxide present in each section of the raw water line measured at least once daily during the peak hourly flow? Yes ☒ No ☐
2. Was the contact time for each section of the raw water line calculated at least once per day during peak hourly flow? Yes ☒ No ☐
3. Was the minimum water temperature determined every day? Yes ☒ No ☐
4. Was the log credit for each section of the raw water line calculated daily? Yes ☒ No ☐
Clarifiers
1. Was the concentration of chlorine dioxide present in each clarifier measured at least once daily during the peak hourly flow? Yes ☒ No ☐
2. Was the contact time for each clarifier calculated at least once per day during peak hourly flow? Yes ☒ No ☐
3. Was the minimum water temperature determined every day? Yes ☒ No ☐
4. Was the log credit for each clarifier calculated daily? Yes ☒ No ☐

4) LOG INACTIVATION CREDIT

IFE Credit
1. For the individual filters, were at least 95% of each filter’s turbidity measurements less than or equal to 0.15 NTU? Yes ☒ (answer question 2) No ☐ (log credit 0.0)
2. Did <i>any</i> individual filter have a measured turbidity greater than 0.3 NTU in two consecutive measurements taken 15 minutes apart? Yes ☐ (log credit 0.0) No ☒ (log credit 0.5)
CFE Credit
1. For the combined filters, were at least 95% of each filter’s turbidity measurements less than or equal to 0.15 NTUs? Yes ☒ (log credit 0.5) No ☐ (log credit 0.0)
Chlorine Dioxide Credit
1. Was the required minimum log credit of 1 achieved each day? Yes ☒ (log credit 1.0) No ☐ (log credit 0.0)
Total Log Credit: #

Comments:

#1 Old filter still offline waiting on under drain to be replaced.

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

Printed Name: Phillip HightowerSignature: *Phillip Hightower*

Date: [Click here](#)

Title: SuperintendentOp. Cert. No.: B90404

* The Department of Environmental Quality may at any time request additional information or perform an audit.



THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule September 2021 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 and weed eaten Plant grounds when needed
16. Mowed and weed eaten Towers and Pump Stations when needed
17. Hach service turbidity meters
18. Replace colorimeter in Cl17
19. Test water for SOSU dorms
20. Safety Inspection by Mike Clayborn
21. Install new UPS on #6 filter
22. Continue training Stephen Mills
23. Ramsey Ward moved some equipment in
24. Met with Choctaw Nation about Blue River
25. Had Vyve outage ran plant manually
26. Repaired poly line
27. Work on #5 filter gateway
28. Treated 179,699,000 gallons of water

B. Work Planned for January-December

1. Repair #1 raw Pump
2. Install #4 raw Pump
3. Have towers inspected and cleaned

Approx Start/Finish Date

Time permitting
When we receive it
Time permitting

C. Projects Planned and Requested for Authorization

None At this Time