

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**

March 14, 2023

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 February 14, 2023

2. Consider Items Removed from Consent

3. Information Items

- a. Solid Waste Collection Monthly Report - February 2023
- b. Solid Waste Disposal Monthly Report - February 2023
- c. Utility Billing Monthly Report - February 2023
- d. Waste Water Treatment Plant Monthly Reports - February 2023
- e. Water/Sewer Line Maintenance Department Monthly Report - February 2023
- f. Water Treatment Plant Monthly Reports - February 2023

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 8th day of November, 2022 and that an agenda of said meeting was posted at the place of such meeting at 2:20 p.m. on the 10th day of March, 2023.



Cynthia J. Price, City of Durant



The City of Durant

Memorandum

Date: 3/14/2023
To: Mayor and City Council
From:
Re: Consider Approval of Regular Meeting Minutes of February 14, 2023

Council Information / Action Requested

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

ATTACHMENTS:

1. Durant City Utilities Authority Minutes 02142023 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 8th day of November, 2022 and that an agenda of said meeting was posted at the place of such meeting at 5:30 p.m. on the 9th day of February, 2023.



Cynthia J. Price, City of Durant

**MINUTES OF THE MEETING OF DURANT CITY UTILITIES AUTHORITY
February 14, 2023 AT 6:00 PM
Roscoe J. Hatfield Council Chambers
300 West Evergreen
Durant, Oklahoma**

CALL TO ORDER

Acting Chairman Sherrer called the meeting to order at 7:05 p.m.

ROLL CALL

Present:

Trustee Steve Brittingham
Trustee Humphrey Miller
Trustee Curtis Morris
Acting Chairman Danny Sherrer
City Attorney Tom Marcum
City Manager Lisa Taylor
City Clerk Cynthia J. Price

Absent:

None

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 January 10, 2023

Motion To: Approve Consent Item as Presented

Motion By: Humphrey Miller

Seconded By: Steve Brittingham

Ayes: Brittingham, Miller, Morris, Sherrer

Nays: None

Abstain: None

2. Consider Items Removed from Consent

3. Information Items

- a. Solid Waste Collection Monthly Report - January 2023
- b. Solid Waste Disposal Monthly Report- January 2023
- c. Utility Billing Monthly Report - January 2023
- d. Waste Water Treatment Plant Monthly Report - January 2023
- e. Water/Sewer Line Maintenance Department Monthly Report - January 2023
- f. Water Treatment Plant Monthly Report - January 2023

4. Administration

- a. Approval of Ordinance O-2023-02 Amending the Durant Code of Ordinances Section 51.42 Monthly Residential Collection of Tree Limbs, Brush, Bulky Waste, and Yard Waste; Modifying Collection Day

This item will be moved to the regular scheduled March 14, 2023 agenda of Durant City Council and presented at that time.

5. New Business

There was no new business.

ADJOURNMENT

Motion To: Adjourn Meeting

Motion By: Steve Brittingham

Seconded By: Humphrey Miller

Ayes: Brittingham, Miller, Morris, Sherrer

Nays: None

Abstain: None



The City of Durant

Memorandum

Date: 3/14/2023
To: Mayor and City Council
From:
Re: Information Items

Council Information / Action Requested

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

ATTACHMENTS:



The City of Durant

Memorandum

Date: 3/14/2023
To: Mayor and City Council
From: Jared Dillingham, Superintendent
Re: Solid Waste Collection Monthly Report - February 2023

Solid Waste Collection Monthly Report - February 2023

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. Monthly Report Feb 23



THE CITY OF DURANT

Office of the Solid Waste Manager

SOLID WASTE PROJECTS

February 2023

A. Work Completed:

1. Hauled 17.23 tons of extra hauling
2. Hauled 13 loads of extra hauling
3. Picked up and delivered 6 sharps
4. No abatement this month
5. Cleaned Sunny Side rd. 0 times
6. Replaced 5 dumpsters with new
7. Cleaned dead ends of Cemetery rd. 0 times

B. Work Planned For March 2023

1. Replace dumpsters
2. Pick up trash

C. Work Planned For January 1, 2023 – December 31, 2023

1. Pick up trash
2. Replace dumpsters

D. Projects Planned And Requested For Authorization:

None



The City of Durant

Memorandum

Date: 3/14/2023
To: Mayor and City Council
From: Kenny Cooper, Supervisor
Re: Solid Waste Disposal Monthly Report - February 2023

February Monthly Reports 2023

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. Project Schedule February 2023
2. ODEQ Report February 2023



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE ***February 2023***

A. Work Completed for February:

1. Covered C & D Site
2. Hauled MSW To SORD
3. Number of rolloff containers in service end of month 126
4. Number of rolloff containers added to service during month 12
5. Number of rolloff containers removed from service during month 11
6. Number of loaded rolloff containers emptied during month 343

B. Work Planned For March:

1. Continue Covering C&D site
2. Haul MSW To SORD
3. Continue Picking up, Delivering

C. Work Planned For Jan. '23 – Dec. '23:

Approx. Start – Finish Date:

1. Haul trash to Ardmore 1-2023 thru 12-2023

D. Projects Planned And Requested For Authorization:

1. None.

Monthly Report for Solid Waste Disposal Facilities

version 1.4

(Submission #: HPR-V4HQ-0X0AR, version 1)

Details

Alternate Identifier 3507001: City of Durant C&D Landfill February 2023

Submission ID HPR-V4HQ-0X0AR

Form Input

Facility Information

Permit Number

3507001

Facility Information

Facility Name

City of Durant C&D Landfill

Facility Mailing Address

P.O. Box 578

Durant, OK 74702

County (Facility Location)

Bryan (07)

Point of Contact

First Name	Middle Name	Last Name
Kenny	NONE PROVIDED	Cooper

Title

Landfill Supervisor

Phone Type	Number	Extension
Business	580-931-6661	

Email

kcooper@durant.org

Would you like to revise the Point of Contact?

No

Alternate Point of Contact

First Name	Middle Name	Last Name
Billy	NONE PROVIDED	Sharp

Title

NONE PROVIDED

Phone Type	Number	Extension
Business	580-931-6661	

Email

bsharp@durant.org

Would you like to revise the Alternate Point of Contact?

No

Daily Waste Processed

Report Period

Month	Year
February	2023

Did you process waste under any of the following circumstances this period?

Reuse/Recycle

Weight Handled (tons)

Day of Month	Open?	Total Weight Handled (tons)	Reused / Recycled (tons)	Emergency or Special Event Fee Waiver (tons)	Large Industrial Generator Exemption (tons)
1	Yes	0.00	0.00		
2	Yes	0.00	0.00		
3	Yes	0.00	0.00		
4	Yes	0.00	0.00		
5	No				
6	Yes	0.00	0.00		
7	Yes	4.67	1.00		
8	Yes	0.00	0.00		
9	Yes	0.07	0.00		
10	Yes	11.39	1.72		
11	Yes	1.36	0.00		
12	No				
13	Yes	40.12	0.00		
14	Yes	2.22	0.00		
15	Yes	0.60	0.37		
16	Yes	11.81	0.94		
17	Yes	15.40	4.09		
18	Yes	3.83	0.00		
19	No				
20	No				
21	Yes	37.90	0.00		
22	Yes	0.00	0.00		
23	Yes	10.77	0.00		
24	Yes	24.06	0.00		
25	Yes	0.00	0.00		
26	No				
27	Yes	8.63	0.00		
28	Yes	20.96	0.23		
29	Yes	0.00	0.00		
30	Yes	0.00	0.00		
31	Yes	0.00	0.00		
		Sum: 193.79	Sum: 8.35	Sum: NaN	Sum: NaN

Were your scales out of service at any point within this reporting period?

No



The City of Durant

Memorandum

Date: 3/14/2023
To: Mayor and City Council
From: Stephanie Barfield, Supervisor
Re: Utility Billing Monthly Report - February 2023

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. FEB 2023 COUNCIL REPORT



Monthly Utility Billing,
Cash Collection,

And Consumption Summary

FEB 2023

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	6228		6351		6789	
Total Revenue Billed	\$343,755.56	\$3,026,687.86	\$234,967.85	\$1,995,986.66	\$384,240.29	\$2,651,319.77
TOTAL CASH RECEIPTS	\$331,319.72	\$2,893,368.71	\$192,234.59	\$1,461,018.34	\$390,008.14	\$2,452,241.73

Ice storm 2/1 and 2/2 Holiday 2/20

CONSUMPTION IN GALLONS	139,754,900
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NEW SERVICE APPLICATIONS	70
NUMBER OF WALK IN/PHONE PAYMENTS	563
MAIL PAYMENTS	888
CREDIT CARD PAYMENTS	513
WEB PAYMENTS	2,330
DROP BOX PAYMENTS	439
BANK DRAFT PAYMENTS	1,021
CREDIT CARD DRAFT PAYMENTS	699
KIOSK	933
CYCLE 1 PENALTIES	676
CYCLE 1 CUT OFFS	52
CYCLE 2 PENALTIES	678
CYCLE 2 CUT OFFS	85



Monthly Utility Billing,
Cash Collection,
And Consumption Summary

FEBRUARY 2022

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	6151		6229		6665	
Total Revenue Billed	\$322,862.90	\$2,934,766.36	\$226,676.22	\$1,475,242.65	\$379,280.89	\$2,999,586.80
Adjustments in Dollar	(\$7,579.60)	(\$71,202.21)	(\$32,950.39)	(\$228,468.34)	(\$11,610.42)	(\$86,852.34)
TOTAL CASH RECEIPTS	\$238,208.64	\$2,036,366.24	\$97,256.82	\$776,683.24	\$178,166.99	\$1,549,610.25

CONSUMPTION IN GALLONS	86,860,600
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NEW SERVICE APPLICATIONS 64
 NUMBER OF WALK IN/PHONE PAYMENTS 1,052
 MAIL PAYMENTS 1,022
 CREDIT CARD PAYMENTS 1,265
 WEB PAYMENTS 1,779
 DROP BOX PAYMENTS 373
 BANK DRAFT PAYMENTS 985
 CREDIT CARD DRAFT PAYMENTS 502
 KIOSK 1,443
 OTHERS



The City of Durant

Memorandum

Date: 3/14/2023
To: Mayor and City Council
From: Ray Anthony, Superintendent
Re: Waste Water Treatment Plant Monthly Reports - February 2023

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. WWTP LAB Report
2. WWTP Projects



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

2/1/23 to 2/28/23

Tests Processed

<u>70</u> Bac-T's	<u>35</u> React's
<u>75</u> BOD's	<u>58</u> COD
<u>20</u> TSS's	<u>78</u> MLSS
<u>102</u> NH3's	<u>78</u> Volatile Analysis
<u>56</u> DO's	<u>56</u> pH's
<u>00</u> Ecoli's	<u>12</u> FOG's
<u>20</u> cBOD's	<u>00</u> Total Solids
<u>17</u> Settleable Solids	<u>35</u> Settleometer Test
<u>03</u> Pretreatment Inspections	

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 FEBRUARY 2023

- 1: GETTING LAGOON AERATOR'S AT HEADWORKS FIXED (Ongoing)
- 2: CONVERT SAMPLER TO WORK WITH WONDERWARE (Ongoing)
- 3: FIX CHOCTAW SCREEN PRESS PUMP (Ongoing)
- 4: BRIDGE FILTER REPAIR (Ongoing)
- 5: VALVE TO LAGOONS FIXED AT HEADWORKS (Ongoing)
- 6: SCUM PUMP STATION PUT ON FLOATS (Ongoing)
- 7: INSTALL NEW LEVEL CONTROL AT HEADWORKS (Ongoing)
- 8: MIXER MOTOR FOR BLEND TANK REPAIRED (Ongoing)
- 9: REPLACEING BULBS, SLEEVES, BALLEST, AND BOARDS ON UV'S (Ongoing)
- 10: SBR #2 AIRLINE FIXED (Ongoing)

WORK PLANNED FOR MARCH 2023

- 1: GETTING LAGOON AERATOR'S AT HEADWORKS FIXED
- 2: CONVERT SAMPLER TO WORK WITH WONDERWARE
- 3: FIX CHOCTAW SCREEN PRESS PUMP
- 4: BRIDGE FILTER REPAIR
- 5: SCUM PUMP STATION PUT ON FLOATS
- 6: INSTALL NEW LEVEL CONTROL AT HEADWORKS
- 7: MIXER MOTOR FOR BLEND TANK REPAIRED
- 8: REPLACEING BULBS, SLEEVES, BALLEST, AND BOARDS ON UV'S
- 9: SBR #2 AIRLINE FIXED
- 10: ALL EFFLUENT VALVES REWORKED



The City of Durant

Memorandum

Date: 3/14/2023
To: Mayor and City Council
From: Randy Cantrell, Crew Leader
Re: Water/Sewer Line Maintenance Department Monthly Report - February 2023

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. FEBRUARY 2023 MONTHLY REPORT FOR M&O

M & O MONTHLY REPORT

FEBRUARY 2023

WATER LEAKS	23
WATER TAPS	0
SEWER TAPS	3

CUTOFFS ON THE 1st AND THE 28TH

REGULAR WORK ORDERS FROM THE
UTILITY OFFICE

WE COMPLETED 379 WORK ORDERS

CORE AND MAIN HAS INSTALLED THE COLLECTOR. I HAVE
DONE THE MATH FOR THE DRIVE BY, IT IS STEADY AT LESS
THAN 1.7% FOR THE PAST TWO MONTHS.

WE HAD 3 DAYS OF HAZARDOUS ROAD CONDITIONS THIS
MONTH.



The City of Durant

Memorandum

Date: 3/14/2023
To: Mayor and City Council
From: Anthony Smallwood, Water Treatment Plant Manager
Re: Water Treatment Plant Monthly Reports - February 2023

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. OK1010601 CI02 MOR February2023
2. OK1010601 Fluoride MOR February2023
3. OK1010601 LT2 MOR February2023
4. OK1010601 Monthly Report February2023
5. OK1010601 MOR February2023 #1
6. OK1010601 MOR February2023 #2

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	0.4				0.8				####
3	yes	0.2				0.8				####
4	yes	0.3				0.8				####
5	yes	0.2				0.8				####
6	yes	0.2				0.8				####
7	yes	0.3				0.9				####
8	yes	0.2				0.9				####
9	yes	0.2				0.7				####
10	yes	0.4				0.4				####
11	yes	0.3				0.5				####
12	yes	0.3				0.4				####
13	yes	0.3				0.4				####
14	yes	0.2				0.4				####
15	yes	0.2				0.8				####
16	yes	0.2				0.6				####
17	yes	0.3				0.7				####
18	yes	0.2				0.8				####
19	yes	0.4				0.8				####
20	yes	0.3				0.8				####
21	yes	0.2				0.7				####
22	yes	0.2				0.6				####
23	yes	0.2				1.0				####
24	yes	0.4				0.5				####
25	yes	0.4				0.8				####
26	yes	0.3				0.6				####
27	yes	0.2				0.6				####
28	yes	0.2				0.5				####
29										####
30										####
31										####

Month February Year 2023
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 28.0
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 28.0
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

3/1/2023

Date

90404

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

PWSID 1010601 SYSTEM Durant Ok (SW) MONTH February
Type of Material Applied* Hydrofluorosilicic Acid Year 2023

Date	Water Treated (1000s of Gallons)	Applied		Residual Fluoride (F), ppm			
		lbs.	PPM of F	Raw		Distribution	
				(1)	(2)	(1)	(2)
1	4980	68	0.3	0.28	0.00	0.97	0.61
2	4759	65	0.3	0.26	0.17	0.97	0.89
3	4594	63	0.3	0.27	0.46	0.75	1.12
4	4658	64	0.3	0.00	0.33	0.62	0.57
5	4611	63	0.3	0.25	0.21	1.00	0.92
6	4567	63	0.3	0.00	0.13	0.72	0.79
7	4528	62	0.3	0.15	0.24	0.56	0.58
8	4420	61	0.3	0.00	0.00	0.70	0.27
9	4465	61	0.3	0.00	0.00	0.87	0.33
10	4946	68	0.3	0.00	0.40	0.52	0.73
11	4872	67	0.3	0.06	0.00	0.58	0.60
12	4865	67	0.3	0.22	0.08	0.88	0.65
13	4881	67	0.3	0.00	0.05	0.43	0.47
14	4581	63	0.3	0.26	0.00	0.80	0.44
15	4299	59	0.3	0.00	0.00	0.71	0.28
16	4298	59	0.3	0.00	0.00	0.70	0.40
17	4517	62	0.3	0.12	0.30	1.22	0.95
18	4648	64	0.3	0.00	0.01	0.71	0.63
19	4595	63	0.3	0.14	0.08	0.64	0.28
20	4603	63	0.3	0.00	0.12	0.49	0.64
21	4615	63	0.3	0.03	0.00	0.66	0.30
22	4557	63	0.3	0.08	0.18	0.57	0.46
23	4608	63	0.3	0.03	0.00	0.62	0.09
24	4669	64	0.3	0.12	0.09	0.70	0.97
25	4583	63	0.3	0.09	0.11	0.75	0.94
26	4560	63	0.3	0.17	0.10	0.73	0.42
27	4371	60	0.3	0.15	0.00	0.43	0.40
28	4279	59	0.3	0.17	0.07	0.68	0.47
29							
30							
31							
Total	128929	1770	8.4	2.85	3.13	19.98	16.2
Average	4605	63	0.30	0.10	0.11	0.71	0.58

* 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 Public Works Director
City Durant

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: 2688
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: 2688
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 #3
1. Was turbidity measured every 15 minutes? Yes ☒ No ☐
2. Total number of turbidity samples: 2688
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: 2688
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: 2688
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: 2688
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: 2688
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: 2688
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: 168
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: 168
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 any 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:

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

Printed Name: Phillip Hightower	Signature: <i>Phillip Hightower</i>	Date: 3/1/2023
Title: Director of Public Works	Op. Cert. No.: B90400	

* 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 February 2023 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. Inspected eye wash/shower stations
13. Pulled required water samples and send to ODEQ
14. Clean turbidity meters as needed
15. Cleaned screens on CLO2 generator as needed
16. Mowed and weedeated Plant grounds when needed
17. Continue training
18. Treated 128,929,000 gallons of water
19. Exercise welder, diesel pump, and generator
20. Completed TOC and Fluoride sampling
21. Flushed end points on water lines
22. Responded to Power Outages at Plant
23. Prepare for Lake Durant Dam inspection
24. Inspected and cleaned Big Lots Tower
25. Repaired shocks on #59 truck
26. Replaced sump pump on Transfer Well Vault
27. Repair Filter To Waste actuator on #2 Filter
28. Filled in potholes at plant
29. Corrected communications issue at Raw Pump Station

B. Work Planned for February- March

1. Repair #1 raw Pump
2. Repair #3 raw Pump
3. Install pad for generator at Chlorites
4. SCADA installation
5. Install back up backwash pump
6. Install new inlet line to transfer well from old plant

Approx. Start/Finish Date

As time permits
Waiting on Quotes/As time permits
Weather and time permitting
Waiting for additional equipment to complete
Waiting on pump to be delivered
Weather and time permitting

C. Projects Planned and Requested for Authorization

None at this Time



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: **February 2023**

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	168
Total number of turbidity readings	168
Number of turbidity readings above 1 NTU	0
HIGHEST turbidity reading	0.14
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	168
Number of samples below 1.0 mg/L	0
Free Chlorine-Distribution	
Total number of chlorine residual samples	56
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	4.16	2.00	3.12	6	0.14	0.14	0.14	0.07	0.08	0.14	2.7	2.8	2.8	2.9	2.9	2.8	2.5	2.3	
2	4.32	1.99	2.89	6	0.14	0.14	0.14	0.07	0.09	0.11	2.8	2.8	2.9	2.9	2.9	2.7	1.9	1.4	
3	4.16	1.66	2.95	6	0.12	0.14	0.14	0.14	0.14	0.07	2.6	2.5	2.7	3.0	2.8	2.6	1.6	2.0	
4	16.07	1.85	2.21	6	0.11	0.14	0.09	0.14	0.14	0.11	2.5	2.5	2.5	2.7	2.7	2.4	2.0	1.9	
5	23.15	2.15	4.66	6	0.14	0.08	0.10	0.09	0.14	0.14	2.4	2.5	2.6	2.6	2.5	1.9	1.8	2.1	
6	12.16	1.87	5.20	6	0.14	0.07	0.10	0.12	0.14	0.14	1.9	1.8	2.3	2.1	1.8	1.7	1.3	1.9	
7	10.76	1.41	2.13	6	0.14	0.14	0.09	0.09	0.10	0.13	1.7	1.8	1.9	2.0	2.1	2.1	1.5	1.6	
8	7.14	2.71	5.61	6	0.07	0.14	0.14	0.06	0.07	0.07	2.1	2.2	2.2	2.2	2.6	2.5	1.5	1.5	
9	228.69	1.09	2.24	6	0.06	0.14	0.14	0.10	0.09	0.07	2.4	2.4	2.9	1.7	2.0	2.5	1.7	1.5	
10	72.63	1.12	1.94	6	0.06	0.06	0.14	0.14	0.06	0.06	2.8	3.0	3.2	2.6	2.6	2.6	1.7	1.3	
11	34.56	1.18	1.81	6	0.06	0.06	0.14	0.06	0.06	0.06	2.7	2.8	3.0	3.1	3.1	2.7	1.8	1.4	
12	22.38	2.13	2.35	6	0.06	0.06	0.06	0.06	0.06	0.06	2.7	2.8	3.0	3.1	2.7	2.6	2.0	1.4	
13	16.50	2.46	3.05	6	0.14	0.14	0.06	0.06	0.06	0.07	2.7	2.9	3.1	3.1	2.9	2.4	2.0	2.6	
14	13.50	2.79	3.15	6	0.14	0.14	0.14	0.09	0.10	0.14	2.4	2.4	2.5	2.4	2.4	1.9	2.0	1.9	
15	126.75	1.14	1.79	6	0.14	0.14	0.10	0.05	0.05	0.05	1.9	1.8	1.8	1.5	1.4	1.2	1.5	1.1	
16	53.88	1.41	1.73	6	0.14	0.14	0.04	0.04	0.04	0.04	1.3	1.5	1.6	2.2	2.3	2.1	1.1	1.0	
17	29.75	1.08	1.66	6	0.14	0.14	0.04	0.04	0.04	0.04	2.2	2.3	2.5	2.0	1.8	1.7	1.8	1.2	
18	17.56	1.26	1.91	6	0.04	0.14	0.05	0.04	0.04	0.04	1.9	2.1	2.1	2.2	2.1	2.0	1.2	1.5	
19	18.00	2.78	2.97	6	0.04	0.14	0.06	0.05	0.05	0.07	2.4	2.8	2.9	2.9	2.7	2.5	1.6	1.0	
20	12.50	3.98	2.73	6	0.14	0.14	0.05	0.05	0.05	0.05	2.4	2.3	2.3	2.3	2.1	1.8	1.1	1.4	
21	14.25	1.15	1.20	6	0.14	0.14	0.09	0.10	0.12	0.14	1.9	2.0	2.1	2.1	2.1	2.0	1.5	1.7	
22	15.81	4.48	2.23	6	0.14	0.14	0.06	0.05	0.05	0.05	2.2	2.3	2.3	2.3	2.4	2.5	1.5	1.4	
23	18.81	2.18	1.13	6	0.14	0.14	0.05	0.05	0.05	0.05	2.7	2.9	2.9	3.3	3.0	2.4	1.6	2.7	
24	16.00	1.83	1.41	6	0.14	0.11	0.05	0.05	0.05	0.05	2.4	2.4	2.4	2.4	2.0	2.0	1.9	1.9	
25	29.38	2.96	2.55	6	0.06	0.14	0.06	0.06	0.06	0.10	2.4	2.7	2.9	3.1	3.1	3.1	1.0	1.8	
26	12.06	2.39	1.98	6	0.06	0.13	0.08	0.11	0.04	0.04	3.1	3.0	2.9	2.9	2.8	2.5	2.1	1.7	
27	8.56	4.56	3.65	6	0.14	0.14	0.07	0.06	0.06	0.06	2.5	2.5	2.6	2.6	2.5	2.3	1.9	1.3	
28	11.38	3.74	1.97	6	0.14	0.14	0.07	0.06	0.06	0.06	2.3	2.3	2.3	2.2	2.1	1.5	1.6	1.7	
29																			
30																			
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.

Plant:	DWT
PWSID:	1010601
County:	Bryan
Month:	February 2023

Durant Utilities Authority										P.O. Box 578										Durant, OK										74702										Month: February 2023									
System										Address										City										ZIP																			
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		"	"	AM TOTAL	PM TOTAL	"	"	AM TOTAL	PM TOTAL					RAW	FILT	RAW	FILT		Fe, Mn or Other													
		1	2	3	4	5	6	7	8								PRE	POST									PRE	POST	PRE								POST	PRE	POST	PRE	POST	PRE	POST	PRE	POST	PRE	POST	PRE	POST
1	4980.0	24	24	24	24	24	23	23	23	105.0	3040.0	42.0	275.0	68.0	290.0		79.0	87.0	0.0	0.0	234.0	246.0	0.0	0.0	200.0	204.0	7.7	7.2	6.9	200.0	246.00	234.00																	
2	4759.0	24	24	24	23	23	23	23	24	130.0	2960.0	39.0	550.0	65.0	290.0		87.0	79.0	0.0	0.0	228.0	246.0	0.0	0.0	206.0	202.0	7.6	7.1	7.3	200.0	238.00	238.00																	
3	4594.0	23	23	23	23	23	23	23	23	255.0	3520.0	39.0	275.0	63.0	290.0		113.0	53.0	0.0	0.0	230.0	240.0	0.0	0.0	204.0	208.0	7.8	7.0	7.0	200.0	240.00	230.00																	
4	4658.0	24	24	24	24	23	24	24	23	100.0	5200.0	39.0	275.0	64.0	290.0		157.0	84.0	0.0	0.0	136.0	150.0	0.0	0.0	192.0	188.0	7.4	7.3	6.9	230.0	190.00	250.00																	
5	4611.0	24	24	24	24	23	24	24	24	20.0	2640.0	39.0	825.0	63.0	290.0		100.0	100.0	0.0	0.0	168.0	170.0	0.0	0.0	190.0	114.0	7.5	6.9	6.5	208.0	210.00	250.00																	
6	4567.0	23	24	23	24	23	23	24	24	125.0	2480.0	39.0	550.0	63.0	290.0		45.0	50.0	0.0	0.0	190.0	200.0	0.0	0.0	140.0	148.0	8.0	7.5	7.6	150.0	204.00	222.00																	
7	4528.0	24	23	24	24	24	24	24	24	35.0	3200.0	39.0	825.0	62.0	290.0		60.0	35.0	0.0	0.0	208.0	216.0	0.0	0.0	164.0	168.0	8.0	7.5	7.3	148.0	220.00	242.00																	
8	4420.0	24	24	24	24	24	24	23	23	70.0	5040.0	39.0	550.0	61.0	290.0		60.0	35.0	0.0	0.0	192.0	132.0	0.0	0.0	180.0	170.0	7.8	7.7	7.7	170.0	184.00	220.00																	
9	4465.0	24	24	24	24	24	24	24	23	35.0	5440.0	42.0	550.0	61.0	290.0		197.0	103.0	0.0	0.0	92.0	106.0	0.0	0.0	134.0	100.0	7.5	7.4	7.9	184.0	182.00	230.00																	
10	4946.0	23	24	23	23	23	24	24	24	135.0	5520.0	42.0	550.0	68.0	290.0		186.0	98.0	0.0	0.0	124.0	152.0	0.0	0.0	152.0	74.0	7.6	6.8	7.0	142.0	158.00	144.00																	
11	4872.0	24	23	24	24	24	23	24	24	65.0	5480.0	42.0	550.0	67.0	290.0		193.0	83.0	0.0	0.0	150.0	164.0	0.0	0.0	86.0	100.0	7.6	7.1	6.8	130.0	170.00	200.00																	
12	4865.0	24	24	24	24	24	24	23	23	70.0	4760.0	42.0	687.5	67.0	290.0		182.0	78.0	0.0	0.0	170.0	180.0	0.0	0.0	100.0	114.0	7.8	7.0	6.8	120.0	190.00	170.00																	
13	4881.0	24	24	23	23	24	24	24	24	65.0	2160.0	42.0	687.5	67.0	290.0		113.0	61.0	0.0	0.0	180.0	194.0	0.0	0.0	130.0	148.0	7.4	6.8	6.6	134.0	200.00	190.00																	
14	4581.0	23	24	24	24	23	23	23	24	140.0	4880.0	37.0	550.0	63.0	290.0		174.0	58.0	0.0	0.0	190.0	140.0	0.0	0.0	158.0	160.0	7.4	7.1	7.6	158.0	212.00	200.00																	
15	4299.0	24	23	24	24	24	24	24	24	35.0	4880.0	37.0	550.0	59.0	290.0		180.0	70.0	0.0	0.0	130.0	130.0	0.0	0.0	124.0	106.0	7.4	6.9	6.6	168.0	168.00	212.00																	
16	4298.0	24	23	24	24	24	24	24	23	67.0	4880.0	37.0	825.0	59.0	290.0		180.0	100.0	0.0	0.0	132.0	140.0	0.0	0.0	98.0	90.0	7.5	6.4	6.8	140.0	160.00	166.00																	
17	4517.0	23	24	24	23	24	24	24	24	70.0	4084.0	39.0	1100.0	62.0	290.0		143.0	80.0	0.0	0.0	154.0	150.0	0.0	0.0	90.0	88.0	7.6	6.5	6.7	120.0	150.00	154.00																	
18	4648.0	24	24	24	24	23	23	24	24	65.0	3840.0	39.0	962.5	64.0	290.0		137.0	78.0	0.0	0.0	186.0	214.0	0.0	0.0	120.0	136.0	6.9	6.9	6.9	122.0	200.00	178.00																	
19	4595.0	24	23	24	24	24	24	23	24	65.0	2400.0	39.0	687.5	63.0	290.0		74.0	82.0	0.0	0.0	208.0	234.0	0.0	0.0	164.0	170.0	7.9	7.5	6.7	130.0	220.00	200.00																	
20	4603.0	24	24	23	24	24	24	24	23	70.0	2480.0	39.0	275.0	63.0	290.0		67.0	74.0	0.0	0.0	228.0	242.0	0.0	0.0	190.0	202.0	7.7	6.9	7.0	180.0	240.00	224.00																	
21	4615.0	23	24	24	23	24	23	24	24	97.0	2000.0	39.0	275.0	63.0	290.0		75.0	83.0	0.0	0.0	230.0	236.0	0.0	0.0	206.0	216.0	7.7	7.3	7.3	188.0	238.00	230.00																	
22	4557.0	24	24	24	24	23	24	23	24	70.0	4880.0	39.0	550.0	63.0	290.0		153.0	88.0	0.0	0.0	230.0	230.0	0.0	0.0	208.0	212.0	7.7	7.4	7.3	216.0	248.00	246.00																	
23	4608.0	24	23	24	24	24	24	24	23	70.0	2880.0	39.0	275.0	63.0	290.0		80.0	80.0	0.0	0.0	240.0	240.0	0.0	0.0	182.0	178.0	7.8	7.0	6.9	210.0	240.00	232.00																	
24	4669.0	24	24	23	23	24	24	24	24	70.0	3760.0	39.0	550.0	64.0	290.0		148.0	82.0	0.0	0.0	190.0	228.0	0.0	0.0	220.0	184.0	7.8	7.0	7.0	200.0	222.00	240.00																	
25	4583.0	23	24	24	24	24	24	23	24	65.0	2800.0	39.0	275.0	63.0	290.0		84.0	83.0	0.0	0.0	208.0	200.0	0.0	0.0	168.0	164.0	7.7	7.2	7.0	198.0	226.00	226.00																	
26	4560.0	24	24	24	24	23	23	24	23	105.0	1720.0	39.0	0.0	63.0	290.0		77.0	76.0	0.0	0.0	230.0	242.0	0.0	0.0	180.0	182.0	7.8	7.1	7.0	190.0	240.00	220.00																	
27	4371.0	24	23	24	24	24	24	23	24	70.0	1800.0	37.0	0.0	60.0	290.0		47.0	79.0	0.0	0.0	234.0	250.0	0.0	0.0	200.0	214.0	7.5	7.1	6.9	188.0	240.00	232.00																	
28	4279.0	24	24	23	23	24	24	24	24	68.0	1760.0	37.0	0.0	59.0	290.0		36.0	67.0	0.0	0.0	230.0	240.0	0.0	0.0	208.0	223.0	7.6	7.1	6.8	208.0	250.00	254.00																	
29																																																	
30																																																	
31																																																	
Tot	128929.0	665.0	664.0	665.0	662.0	664.0	663.0	661.0	662.0	2337.0	100484.0	1100.0	14025.0	1770.0	8120.0		3227.0	2126.0																															
Avg	4604.6	23.8	23.7	23.8	23.6	23.7	23.7	23.6	23.6	83.5	3588.7	39.3	500.9	63.2	290.0		115.3	75.9			190.1	196.9			164.1	159.4	7.6	7.1	7.0	172.6	210.2	215.5																	

Power Costs	\$29,560.95					
Labor Costs	\$49,250.80	Ave Rate of Wash (Vert. in/min)			I hereby certify the above to be correct to the best of my knowledge.	
Chemicals	\$48,088.00					
Supplies	\$3,257.65	Ave Wash Period (Minutes)				DEQ Form # 630-577
Repairs	\$1,128.58				Signed	Revised 5/21/2018
Testing Cost	\$1,551.00	% Wash Water Used	1.81%		<u>Phillip Hightower</u>	
TOTAL	\$132,836.98				Print	
Cost per thousand gallons	\$1.03	Ave. Head Loss for Washing			<u>Phillip Hightower</u>	Oper. Cert. No. <u>90404</u>
					Title	Public Works Director



The City of Durant

Memorandum

Date: 3/14/2023
To: Mayor and City Council
From:
Re: Administration

Council Information / Action Requested

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

ATTACHMENTS: