

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**

November 9, 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 October 12, 2021

2. Consider Items Removed from Consent

3. Information Items

- a. Line Maintenance Monthly Report - October 2021
- b. Public Works Director Monthly Report - October 2021
- c. Solid Waste Collection Monthly Report - October 2021
- d. Solid Waste Landfill Reports - October 2021
- e. Utility Billing Department Monthly Report - October 2021
- f. Wastewater Treatment Plant Monthly Reports - October 2021
- g. Water Treatment Plant Monthly Reports - October 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 4:30 p.m. on the 4th day of November, 2021.

A handwritten signature in cursive script that reads "Cynthia J. Price".

Cynthia J. Price, City of Durant



The City of Durant

Memorandum

Date: 11/9/2021
To: Mayor and City Council
From: Cynthia Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of October 12, 2021

Council Information / Action Requested

Approval of Regular Meeting Minutes of October 12, 2021

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

ATTACHMENTS:

1. Durant City Utilities Authority Minutes 10122021 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 9:00 a.m. on the 7th day of October, 2021.



Cynthia J. Price, City of Durant

**MINUTES OF THE MEETING OF DURANT CITY UTILITIES AUTHORITY
October 12, 2021 AT 6:00 PM
Roscoe J. Hatfield Council Chambers
300 West Evergreen
Durant, Oklahoma**

CALL TO ORDER

Chairman Grube called the meeting to order at 6:43 p.m.

ROLL CALL

Present:

Trustee Steve Brittingham
Trustee Humphrey Miller
Trustee Curtis Morris
Vice Chairman Danny Sherrer
Chairman Oden Grube
City Attorney Tom Marcum
City Manager John Dean
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 September 14, 2021

Motion To: Approve Consent Item as Presented

Motion By: Steve Brittingham

Seconded By: Humphrey Miller

Ayes: Brittingham, Miller, Morris, Sherrer, Grube

Nays: None

Abstain: None

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

There was no new business.

ADJOURNMENT

Motion To: Adjourn Meeting.

Motion By: Steve Brittingham

Seconded By: Humphrey Miller

Ayes: Brittingham, Miller, Morris, Sherrer, Grube

Nays: None

Abstain: None



The City of Durant

Memorandum

Date: 11/9/2021
To: Mayor and City Council
From: Randy Cantrell, Crew Leader
Re: Line Maintenance Monthly Report - October 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. October 2021 Monthly Report

Line Maintenance Report for October 2021

Water Leaks Repaired	49
Water Taps Installed	1
Sewer Taps	4

The BIG AMR/AMI project has started and the installers has installed 99.3% as of October 29, 2021. Most of these remaining is the ones that was returned to utility. They have started on these and have made some progress.



The City of Durant

Memorandum

Date: 11/9/2021
To: Mayor and City Council
From: Phillip Hightower, Public Works Director
Re: Public Works Director Monthly Report - October 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. Public Works Director Report - October 2021



THE CITY OF DURANT

Office of the Public Works Director

Public Works Monthly Report

- Sludge Press at the Waste Water Plant is operational waiting on windows and doors to be installed for final walk thru
- Attended Ribbon cutting and pumpkin paint at Carl Albert Park for the new playground equipment
- Had a meeting with Schiralli Construction on the traffic control on University Blvd. during construction
- Electricians have started the work on the generator at Gerlach Pump Station for the WTP
- We hired a new Water Plant Superintendent
- We hired a new Sign Tech for the Street Dept.
- M&O hired one new employee
- Installed #4 raw pump and motor
- Worked on street list for Milling and Over lay
- Attended Cemetery Board meeting
- Met with citizen on trash complaint
- Met with Barker Engineering and Bean Construction about brush piles
- Met with DEQ at Waste Water for a Compliance Audit
- Talked with Local DEQ about sand plant on Cemetery Road
- Talked with DEQ about fire at the landfill

Respectfully Summited
Phillip Hightower



The City of Durant

Memorandum

Date: 11/9/2021
To: Mayor and City Council
From: Jared Dillingham, Superintendent
Re: Solid Waste Collection Monthly Report - October 2021

Solid Waste Collection Monthly Report - October 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. Monthly Report October 2021



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS

October 2021

A. Work Completed:

1. Hauled 7.17 tons of extra hauling
2. Hauled 3 loads of extra hauling
3. Picked up and delivered 12 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 November 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: 11/9/2021
To: Mayor and City Council
From: Kenny Cooper, Supervisor
Re: Solid Waste Landfill Reports - October 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

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



The City of Durant

Memorandum

Date: 11/9/2021
To: Mayor and City Council
From: Kenny Cooper, Supervisor
Re: Solid Waste Landfill Reports - October 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

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



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 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	18.67									
2	14.13									
3										
4	2.59									
5	11.02									
6	14.4									
7	45.35									
8	7.1									
9	2.59									
10										
11	1.56									
12	23.8									
13	13.13									
14	0.77									
15	11.23									
16	1.63									
17										
18	20.74									
19	27.58									
20	25.04									
21	31.72									
22	20.69									
23	3.98									
24										
25	5.4									
26	20.13									
27										
28	2.95									
29	26.93									
30	2.45									
31										
Total	355.58	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: 11-1-21

e-mail address: kcooper@durant.org

INSTRUCTIONS FOR COMPLETING THE MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE *October 2021*

A. Work Completed for October :

1. Covered C & D Site
2. Hauled MSW To SORD
3. Number of rolloff containers in service end of month 120
4. Number of rolloff containers added to service during month 22
5. Number of rolloff containers removed from service during month 23
6. Number of loaded rolloff containers emptied during month 352

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. '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.



The City of Durant

Memorandum

Date: 11/9/2021
To: Mayor and City Council
From: Stephanie Barfield, Supervisor
Re: Utility Billing Department Monthly Report - October 2021

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. OCTOBER UTILITY MONTHLY BILLING REPORT



Monthly Utility Billing,
Cash Collection,
And Consumption Summary

OCTOBER 2021

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	7093		6202		6837	
Total Revenue Billed	\$464,772.38	\$1,545,312.69	\$277,490.47	\$954,314.88	\$369,615.14	\$1,511,360.45
Adjustments in Dollar	(\$11,294.43)	(\$40,277.07)	(\$24,958.82)	(\$102,988.56)	(\$9,337.36)	(\$47,630.74)
TOTAL CASH RECEIPTS	\$266,464.07	\$1,049,842.75	\$94,451.54	\$387,561.10	\$196,585.18	\$805,563.87

CONSUMPTION IN GALLONS	134,055,900
------------------------	-------------

NEW SERVICE APPLICATIONS	100
NUMBER OF WALK IN/PHONE PAYMENTS	1,057
MAIL PAYMENTS	978
CREDIT CARD PAYMENTS	1,284
WEB PAYMENTS	1,703
DROP BOX PAYMENTS	391
BANK DRAFT PAYMENTS	968
CREDIT CARD DRAFT PAYMENTS	359
KIOSK	1,325
OTHERS	



The City of Durant

Memorandum

Date: 11/9/2021
To: Mayor and City Council
From: Ray Anthony, Superintendent
Re: Wastewater Treatment Plant Monthly Reports - October 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

PROJECTS SCHEDULE

WORK DONE FOR OCTOBER 2021

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (Ongoing)
- 2: CLEAN CLARIFIER WEIRS (10/4/21)
- 3: VEHICLE INSPECTION (10/7/21)
- 4: CLEAN SCUM PUMP STATION (10/11/21)
- 5: CLEAN DRAIN LIFT STATION (10/11/21)
- 6: CHECK CLARIFIER OIL WEEKLY (10/7, 10/13, 10/20, 10/27/21)
- 7: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER (9/25/21)
- 8: FIX CHOCTAW SCREEN PRESS PUMP (Ongoing)
- 9: CONSTRUCTION STARTED ON SLUDGE PRESS. (Ongoing)
- 10: WALK-THRU INSPECTION (Ongoing)
- 11: WASH DOWN STEP SCREEN (10/13/21)
- 12: CLEAN UV TROUGHS AND FLUME (10/7, 10/13, 10/20, 10/27/21)
- 13: CHECK ELECTRIC MANHOLES (10/20/21)
- 14: CLEAN OUT BUILDINGS (Ongoing)
- 15: MANUALLY CHECK U.V. BULBS (10/7, 10/13, 10/20, 10/27/21)
- 16: WASH DOWN CASINO STEPSCREEN (10/11/21)
- 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 (10/7/21)
- 21: INSTALL HEATERS IN GBT BUILDING (10/19/21)
- 22: RUN NEW WIRE IN PRIMARY WAS BUILDING (10/19/21)
- 23: HAVE PRE-AIR BLOWER WIRED (10/19/21)



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

WORK PLANNED FOR NOVEMBER 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: HAVE CARD REPLACED IN SBR#4 EMI VALVE (Ongoing)
- 21: CONVERT SAMPLER TO WORK WITH WONDERWARE
- 22: HEADWORKS BROUGHT UP TO CODE
- 23: SBR #4 POWER TRANSFORMER FIXED
- 24: GETTING VALVE FIXED TO LAGOONS AT HEADWORKS (Ongoing)
- 25: GETTING 2in WATER PIPE LEAK FIXED AT HEADWORKS (Ongoing)



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

10/1/21 to 10/31/21

Tests Processed

<u>67</u>	Bac-t's
<u>99</u>	BOD's
<u>20</u>	TSS's
<u>48</u>	NH3's
<u>62</u>	DO's
<u>62</u>	pH's
<u>0</u>	Ecoli's
<u>0</u>	FOG's
<u>16</u>	cBOD's
<u>2</u>	Total Solids
<u>12</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

Memorandum

Date: 11/9/2021
To: Mayor and City Council
From: Phillip Hightower, Public Works Director
Re: Water Treatment Plant Monthly Reports - October 2021

Water Treatment Plant Monthly report

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

1. October 2021 CL02 MOR
2. October 2021 fluoride
3. October 2021 MOR #1
4. October 2021 MOR #2
5. October 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	0.2				0.7				####
2	yes	0.1				0.8				####
3	yes	0.3				0.6				####
4	yes	0.2				0.6				####
5	yes	0.2				0.7				####
6	yes	0.1				0.7				####
7	yes	0.2				0.7				####
8	yes	0.1				0.8				####
9	yes	0.1				0.8				####
10	yes	0.2				0.8				####
11	yes	0.1				0.9				####
12	yes	0.2				0.8				####
13	yes	0.2				0.9				####
14	yes	0.2				0.9				####
15	yes	0.1				0.7				####
16	yes	0.1				0.8				####
17	yes	0.2				0.8				####
18	yes	0.1				0.8				####
19	yes	0.1				0.8				####
20	yes	0.1				0.7				####
21	yes	0.4				0.7				####
22	yes	0.1				0.7				####
23	yes	0.1				0.5				####
24	yes	0.1				0.7				####
25	yes	0.2				0.7				####
26	yes	0.2				0.7				####
27	yes	0.1				0.7				####
28	yes	0.2				0.6				####
29	yes	0.1				0.6				####
30	yes	0.1				0.8				####
31	yes	0.2				0.6				####

Month October Year 2021
PWS Name Durant Water Treatment Plant

PWSID 1010601
Plant Name WTP
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

11/2/2021

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

PWSID 1010601 SYSTEM Durant Ok (SW) MONTH October
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	4999	69	0.3	0.00	0.00	0.33	0.48
2	4981	68	0.3	0.02	0.18	0.40	0.41
3	4998	69	0.3	0.05	0.04	0.57	0.49
4	5310	73	0.3	0.14	0.15	0.42	0.61
5	5916	81	0.3	0.00	0.10	0.48	0.51
6	5924	81	0.3	0.00	0.13	0.10	0.44
7	6450	89	0.3	0.02	0.17	0.30	0.41
8	6401	88	0.3	0.00	0.00	0.35	0.44
9	5986	82	0.3	0.00	0.03	0.37	0.45
10	5612	77	0.3	0.02	0.07	0.47	0.48
11	5560	76	0.3	0.00	0.03	0.46	0.41
12	5466	75	0.3	0.00	0.00	0.60	0.39
13	4758	65	0.3	0.00	0.03	0.62	0.50
14	4703	65	0.3	0.00	0.00	0.65	0.02
15	5564	76	0.3	0.00	0.07	0.97	0.71
16	5561	76	0.3	0.04	0.11	0.55	0.47
17	5544	76	0.3	0.09	0.11	0.78	0.50
18	5556	76	0.3	0.07	0.00	0.32	0.51
19	5534	76	0.3	0.00	0.15	0.34	0.50
20	5531	76	0.3	0.00	0.22	0.10	0.66
21	5619	77	0.3	0.00	0.09	0.58	0.67
22	5546	76	0.3	0.05	0.14	0.38	0.63
23	5444	75	0.3	0.09	0.08	0.49	0.33
24	5477	75	0.3	0.00	0.08	0.44	0.64
25	5403	74	0.3	0.30	0.08	0.62	0.57
26	5062	70	0.3	0.00	0.00	0.71	0.63
27	4395	60	0.3	0.02	0.07	0.58	0.53
28	4378	60	0.3	0.12	0.01	0.59	0.53
29	5226	72	0.3	0.13	0.16	0.90	0.73
30	5689	78	0.3	0.06	0.15	0.81	0.55
31	5257	72	0.3	0.00	0.18	0.57	0.48
Total	167850	2303	9.3	1.22	2.63	15.84	15.68
Average	5414.5	74.3	0.3	0.04	0.08	0.51	0.50

* 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

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

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

Durant Utilities Authority

P.O. Box 578

Durant, OK

74702

Day	WATER TREATED (in 1,000 gal)	FILTER OPERATION								WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS.							ALKALINITY - RAW				ALKALINITY - FILTERED				pH			CaCO3	HARDNESS		Special Test		REMARKS			
		FILTERS USED-HOURS									ALUM	POLYMER	Caustic	Fluoride	Chlorite	OTHER	CHLORINE				AM	PM			AM	PM	STABILITY			Method:	(ppm)		Fe, Mn or Other				
		1	2	3	4	5	6	7	8								PRE	POST									RAW		FILT		AM		PM				
																											RAW	FILT	FILT		RAW	FILT	RAW		FILT	RAW	FILT
1	4999.0	0	23	23	23	24	24	24	24	120.0	1900.0	0.0	0.0	69.0	250.0	0.0	80.0	80.0	0.0	0.0	250.0	252.0	0.0	0.0	226.0	226.0	8.0	7.2	7.2	238.0	252.00	250.00					
2	4981.0	0	24	24	24	24	24	24	24	0.0	1900.0	0.0	0.0	68.0	250.0	0.0	60.0	60.0	0.0	0.0	248.0	242.0	0.0	0.0	248.0	222.0	7.9	7.2	7.2	228.0	250.00	256.00					
3	4998.0	0	24	24	24	24	24	23	23	65.0	2000.0	0.0	0.0	69.0	250.0	0.0	150.0	160.0	0.0	0.0	230.0	246.0	0.0	0.0	212.0	236.0	7.9	7.5	7.2	226.0	252.00	240.00					
4	5310.0	0	24	24	24	24	24	24	24	0.0	2200.0	0.0	0.0	73.0	250.0	0.0	90.0	100.0	0.0	0.0	234.0	256.0	0.0	0.0	220.0	224.0	7.8	7.2	7.2	222.0	252.00	248.00					
5	5916.0	0	23	24	24	24	23	24	24	100.0	2200.0	0.0	0.0	81.0	250.0	0.0	80.0	100.0	0.0	0.0	246.0	262.0	0.0	0.0	214.0	234.0	8.0	7.5	7.4	242.0	270.00	286.00					
6	5924.0	0	24	23	23	24	24	23	24	139.0	2300.0	0.0	0.0	81.0	280.0	0.0	60.0	100.0	0.0	0.0	252.0	262.0	0.0	0.0	224.0	234.0	8.0	7.5	7.3	250.0	256.00	248.00					
7	6450.0	0	23	24	24	24	24	24	23	67.0	2400.0	0.0	0.0	89.0	280.0	0.0	60.0	100.0	0.0	0.0	248.0	246.0	0.0	0.0	242.0	220.0	8.0	7.2	7.5	240.0	260.00	260.00					
8	6401.0	0	24	23	23	23	23	24	24	145.0	2400.0	0.0	0.0	88.0	280.0	0.0	0.0	100.0	0.0	0.0	252.0	260.0	0.0	0.0	220.0	232.0	8.0	7.2	7.2	228.0	260.00	258.00					
9	5986.0	0	24	24	24	24	24	24	24	0.0	2200.0	0.0	0.0	82.0	280.0	0.0	0.0	140.0	0.0	0.0	240.0	254.0	0.0	0.0	220.0	230.0	8.0	7.5	7.7	260.0	266.00	240.00					
10	5612.0	0	23	24	24	24	24	23	24	70.0	2300.0	0.0	0.0	77.0	280.0	0.0	0.0	160.0	0.0	0.0	240.0	258.0	0.0	0.0	236.0	236.0	8.0	7.6	7.6	246.0	254.00	252.00					
11	5560.0	0	24	24	24	24	24	24	23	36.0	2100.0	0.0	0.0	76.0	280.0	0.0	0.0	140.0	0.0	0.0	248.0	240.0	0.0	0.0	234.0	230.0	8.0	7.4	7.3	240.0	244.00	248.00					
12	5466.0	0	24	24	24	23	23	24	24	71.0	2200.0	0.0	0.0	75.0	280.0	0.0	0.0	140.0	0.0	0.0	240.0	258.0	0.0	0.0	236.0	226.0	7.8	7.5	7.3	234.0	254.00	248.00					
13	4758.0	0	23	23	23	24	24	24	24	105.0	2600.0	0.0	0.0	65.0	250.0	0.0	80.0	180.0	0.0	0.0	244.0	256.0	0.0	0.0	220.0	228.0	7.9	7.6	7.1	218.0	246.00	248.00					
14	4703.0	0	24	24	24	23	23	23	23	145.0	4700.0	0.0	0.0	65.0	250.0	0.0	215.0	145.0	0.0	0.0	194.0	122.0	0.0	0.0	202.0	210.0	7.8	7.4	7.1	218.0	204.00	240.00					
15	5564.0	0	24	24	24	24	24	24	24	0.0	4700.0	0.0	0.0	76.0	280.0	0.0	130.0	90.0	0.0	0.0	178.0	220.0	0.0	0.0	116.0	124.0	7.5	6.6	6.4	212.0	162.00	178.00					
16	5561.0	0	23	23	23	24	24	24	24	120.0	2000.0	0.0	0.0	76.0	280.0	0.0	120.0	80.0	0.0	0.0	234.0	260.0	0.0	0.0	164.0	184.0	7.8	7.0	6.6	156.0	242.00	216.00					
17	5544.0	0	24	24	23	24	24	23	24	132.0	1600.0	0.0	0.0	76.0	280.0	0.0	100.0	90.0	0.0	0.0	244.0	250.0	0.0	0.0	204.0	204.0	7.7	7.2	7.1	204.0	260.00	264.00					
18	5556.0	0	23	23	24	23	23	24	23	162.0	1700.0	0.0	0.0	76.0	280.0	0.0	120.0	80.0	0.0	0.0	264.0	270.0	0.0	0.0	232.0	230.0	8.2	7.3	7.2	226.0	264.00	250.00					
19	5534.0	0	23	24	23	24	24	24	24	60.0	1700.0	0.0	0.0	76.0	280.0	0.0	90.0	50.0	0.0	0.0	242.0	238.0	0.0	0.0	230.0	234.0	7.7	7.2	7.1	248.0	250.00	244.00					
20	5531.0	0	23	23	23	24	23	24	24	145.0	1700.0	0.0	0.0	76.0	280.0	0.0	110.0	70.0	0.0	0.0	250.0	262.0	0.0	0.0	238.0	238.0	7.8	7.2	7.1	232.0	250.00	256.00					
21	5619.0	0	24	24	24	23	24	23	23	91.0	1600.0	0.0	0.0	77.0	280.0	0.0	110.0	70.0	0.0	0.0	252.0	250.0	0.0	0.0	232.0	230.0	8.0	7.3	7.5	230.0	276.00	270.00					
22	5546.0	0	24	23	23	24	23	24	24	90.0	1800.0	0.0	0.0	76.0	280.0	0.0	80.0	60.0	0.0	0.0	240.0	258.0	0.0	0.0	226.0	258.0	7.6	7.2	7.2	224.0	250.00	256.00					
23	5444.0	0	23	24	24	24	24	24	24	40.0	1600.0	0.0	0.0	75.0	280.0	0.0	70.0	50.0	0.0	0.0	240.0	262.0	0.0	0.0	224.0	240.0	7.7	7.1	7.7	236.0	254.00	264.00					
24	5477.0	0	24	24	23	24	24	23	23	91.0	1700.0	0.0	0.0	75.0	280.0	0.0	110.0	80.0	0.0	0.0	232.0	256.0	0.0	0.0	224.0	236.0	8.0	7.4	7.0	226.0	266.00	260.00					
25	5403.0	0	23	24	24	23	23	24	24	105.0	1600.0	0.0	0.0	74.0	280.0	0.0	70.0	60.0	0.0	0.0	258.0	258.0	0.0	0.0	228.0	244.0	8.2	7.4	7.2	230.0	252.00	246.00					
26	5062.0	0	24	24	24	24	24	24	24	0.0	1800.0	0.0	0.0	70.0	280.0	0.0	120.0	80.0	0.0	0.0	252.0	258.0	0.0	0.0	224.0	216.0	7.8	7.2	7.2	230.0	252.00	250.00					
27	4395.0	0	24	24	24	24	24	24	24	0.0	1900.0	0.0	0.0	60.0	250.0	0.0	100.0	80.0	0.0	0.0	240.0	238.0	0.0	0.0	210.0	222.0	7.9	7.4	7.2	228.0	246.00	250.00					
28	4378.0	0	24	23	23	24	24	23	23	134.0	1900.0	0.0	0.0	60.0	250.0	0.0	60.0	40.0	0.0	0.0	218.0	240.0	0.0	0.0	206.0	210.0	7.8	7.3	7.1	214.0	238.00	230.00					
29	5226.0	0	23	24	24	22	22	24	24	146.0	1700.0	0.0	0.0	72.0	280.0	0.0	140.0	100.0	0.0	0.0	224.0	242.0	0.0	0.0	202.0	208.0	7.7	7.1	6.9	210.0	232.00	232.00					
30	5689.0	0	24	24	24	24	24	24	24		1900.0	0.0	0.0	78.0	280.0	0.0	100.0	80.0	0.0	0.0	242.0	260.0	0.0	0.0	204.0	230.0	7.6	7.0	6.9	200.0	246.00	232.00					
31	5857.0	0	23	23	23	24	24	23	23	164.0	2000.0	0.0	0.0	72.0	280.0	0.0	90.0	70.0	0.0	0.0	248.0	254.0	0.0	0.0	226.0	230.0	7.7	7.1	7.1	226.0	258.00	254.00					
Tot	168450.0		731.0	734.0	732.0	735.0	734.0	735.0	735.0	2543.0	66300.0			2303.0	8410.0		2595.0	2935.0																			
Avg	5433.9		23.6	23.7	23.6	23.7	23.7	23.7	23.7	84.8	2138.7			74.3	271.3		83.7	94.7			239.5	248.1			217.5	223.4	7.9	7.3	7.2	226.5	249.0	247.5					
Power Costs	\$27,067.23																																				
Labor Costs	\$49,250.80																																				
Chemicals	\$9,913.97																																				
Supplies	\$225.00																																				
Repairs	\$750.00																																				
Testing Cost	\$465.00																																				
TOTAL	\$87,672.00																																				
Cost per thousand gallons	\$0.52																																				
												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 <u>Phillip Hightower</u>											
												% Wash Water Used												1.51%		Print Phillip Hightower											
												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: **1010601**

County: **Bryan**

Month/Year: **October 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	186
Total number of turbidity readings	186
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	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)

				# 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	9.79	1.90	2.80	6	0.04	0.04	0.05	0.05	0.04	0.04	2.7	2.7	2.8	2.8	2.6	2.6	1.9	1.9	
2	10.20	1.80	3.00	6	0.04	0.04	0.04	0.04	0.04	0.06	2.7	2.9	2.9	3.0	2.5	2.5	1.8	2.2	
3	4.72	1.90	2.70	6	0.09	0.08	0.08	0.03	0.03	0.03	2.7	2.9	3.0	3.0	2.5	2.7	1.9	1.9	
4	2.22	2.10	3.00	6	0.03	0.03	0.03	0.03	0.03	0.04	2.9	3.0	3.1	3.1	2.4	2.5	2.2	2.0	
5	1.39	1.70	2.80	6	0.05	0.04	0.04	0.03	0.04	0.05	2.7	3.0	3.0	2.6	2.4	2.6	2.0	2.0	
6	2.22	1.70	2.70	6	0.13	0.04	0.04	0.05	0.06	0.11	2.8	3.1	3.0	2.6	2.5	2.6	2.9	2.0	
7	4.74	1.70	3.20	6	0.08	0.08	0.05	0.04	0.05	0.08	2.8	2.9	2.9	2.9	2.7	2.7	2.2	2.0	
8	13.96	1.80	3.00	6	0.11	0.09	0.06	0.12	0.04	0.04	2.9	3.2	3.0	2.9	2.6	2.5	2.3	2.2	
9	16.83	1.80	2.90	6	0.06	0.07	0.06	0.06	0.07	0.09	2.5	2.4	2.5	2.5	2.4	2.4	2.0	2.0	
10	6.46	2.30	2.90	6	0.10	0.05	0.07	0.08	0.05	0.07	2.4	2.5	2.4	2.5	2.7	2.7	1.9	1.9	
11	1.39	2.00	3.20	6	0.09	0.05	0.06	0.06	0.06	0.07	2.7	2.7	2.6	2.6	2.7	2.6	1.7	1.6	
12	3.90	2.10	2.20	6	0.08	0.05	0.05	0.06	0.05	0.05	2.6	2.8	2.6	2.4	2.5	2.6	1.7	1.4	
13	1.39	2.10	2.10	6	0.07	0.05	0.05	0.05	0.06	0.11	2.7	2.8	2.8	2.8	2.8	3.0	1.8	1.8	
14	23.93	7.60	9.50	6	0.07	0.07	0.08	0.11	0.10	0.12	2.8	3.1	3.6	3.8	4.0	3.0	2.9	3.2	
15	124.00	3.80	7.60	6	0.11	0.11	0.12	0.07	0.06	0.13	3.0	3.2	2.9	2.7	2.5	2.9	2.1	2.5	
16	15.29	2.10	3.10	6	0.09	0.03	0.03	0.03	0.03	0.04	3.0	3.2	3.0	2.8	2.2	2.6	2.4	2.1	
17	2.22	2.20	2.80	6	0.04	0.04	0.05	0.06	0.07	0.13	2.8	2.9	2.9	2.8	2.2	2.9	1.7	1.9	
18	6.37	1.90	2.80	6	0.13	0.06	0.08	0.08	0.11	0.11	3.1	3.1	3.0	2.9	2.1	2.7	1.9	2.2	
19	4.81	1.70	3.10	6	0.06	0.12	0.04	0.04	0.05	0.07	2.7	2.8	3.1	2.8	2.3	2.2	1.9	2.0	
20	5.39	1.90	2.80	6	0.10	0.08	0.05	0.05	0.06	0.12	2.7	2.9	2.9	2.9	2.5	2.7	1.7	2.0	
21	3.90	2.30	2.80	6	0.07	0.05	0.07	0.06	0.04	0.04	2.8	3.0	2.9	2.9	2.4	2.3	1.1	2.0	
22	10.73	2.10	2.40	6	0.10	0.09	0.12	0.12	0.06	0.09	2.8	3.1	2.8	2.8	2.2	2.5	1.9	2.3	
23	6.41	1.80	2.40	6	0.11	0.04	0.05	0.05	0.07	0.10	2.9	3.0	2.9	2.8	2.4	2.6	2.1	2.0	
24	2.22	2.50	3.30	6	0.10	0.06	0.11	0.08	0.10	0.09	2.7	2.9	2.8	2.8	2.4	2.6	2.2	2.0	
25	4.71	2.10	2.40	6	0.10	0.07	0.05	0.05	0.04	0.04	2.7	2.7	2.7	2.7	2.3	2.3	2.1	1.9	
26	4.81	2.40	2.50	6	0.04	0.04	0.04	0.05	0.06	0.06	2.6	2.8	2.8	2.9	2.4	2.2	2.7	1.8	
27	5.23	1.90	2.40	6	0.04	0.04	0.04	0.04	0.04	0.04	2.5	2.7	2.7	2.7	2.5	2.3	2.3	2.0	
28	8.92	2.40	2.70	6	0.08	0.10	0.09	0.08	0.04	0.04	2.3	2.5	2.6	2.6	2.4	2.1	2.0	2.4	
29	8.37	1.60	2.50	6	0.07	0.06	0.06	0.04	0.13	0.11	2.3	2.4	2.5	2.7	1.9	2.3	1.9	1.9	
30	6.07	2.00	3.10	6	0.06	0.06	0.05	0.05	0.04	0.05	2.5	2.6	2.7	2.7	2.3	2.7	1.7	2.0	
31	3.14	2.30	3.00	6	0.13	0.09	0.13	0.04	0.04	0.05	2.8	3.0	3.0	3.0	2.5	2.6	2.1	1.9	

*** 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.



THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule October 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 weedeated Plant grounds when needed
16. Installed rebuilt number 4 pump at Blue River
17. Reestablish Communications at Big Lots Tower
18. Test water for SOSU dorms
19. Continue training Stephen Mills
20. Ramsey Ward started work at Gerlach Dr and at Plant
21. Treated 168,450,000 gallons of water
22. Replaced Batteries on generator at plant
23. Exercise welder, diesel pump, and generator
24. Started to get winter ready: heaters, radiators, etc...

B. Work Planned for January-December

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

Approx Start/Finish Date

Time permitting
Time permitting

C. Projects Planned and Requested for Authorization

None At this Time