

The City of Durant encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged in order to make the necessary accommodations. The City of Durant may waive the 48-hour rule if interpreters for the deaf (signing) or translation services for limited English proficient (LEP) individuals are not the necessary accommodation.

THE DURANT CITY UTILITIES AUTHORITY / DCUA

6:00 PM

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

November 10, 2020

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 13, 2020
- b. Consider Approval of 2021 Meeting Schedule of the Durant City Utilities Authority

2. Consider Items Removed from Consent

3. Information Items

- a. Landfill Information and Reports - October 2020
- b. Public Works Director Monthly Project Report - October 2020
- c. Solid Waste Collection Monthly Report- October 2020
- d. Utility Department Monthly Report - October 2020
- e. Waste Water Treatment Plant and Lab Monthly Reports - October 2020
- f. Water Treatment Plant Monthly Reports - October 2020

4. Administration

- a. Consider Approval of a Graphic Design for the Water Tower at 13th and Arkansas

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 12th day of November, 2019 and that an agenda of said meeting was posted at the place of such meeting at 7:15 a.m. on the 6th day of November, 2020.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 10/16/2020
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of October 13, 2020

Council Information / Action Requested

Approval of Regular Meeting Minutes of October 13, 2020

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

ATTACHMENTS:

Description	Type	Upload Date
Minutes 10.13.2020	Exhibit	10/16/2020

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 12th day of November, 2019 and that an agenda of said meeting was posted at the place of such meeting at 5:45 p.m. on the 8th day of October, 2020. An amended agenda was posted at the place of such meeting at 12:10 p.m. on the 12th day of October, 2020.

**MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY
UTILITIES AUTHORITY OF October 13, 2020 AT 6:00 PM, Roscoe J. Hatfield Council
Chambers, 300 West Evergreen, Durant, Oklahoma 74701 AMENDED**

CALL TO ORDER

Chairman Grube called the meeting to order at 7:17 p.m.

ROLL CALL

Present: Trustee Mike Morris	City Manager John Dean
Trustee Danny Sherrer	City Attorney Tom Marcum
Trustee Jerry Tomlinson	City Clerk Cynthia J. Price
Chairman Oden Grube	

Absent: Vice Chairman Steve Brittingham (*denotes partial attendance)

Chairman Grube declared a quorum.

1. Consent Items

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

- a. Consider Approval of Regular Meeting Minutes of September 8, 2020

Approved

Motion was made by Jerry Tomlinson and seconded by Mike Morris to approve consent item as presented.

Motion Passed with the following vote:

Ayes: Grube, Morris, Sherrer, Tomlinson

Absent: Brittingham

2. Consideration Items Removed from Consent

3. Information Items

- a. Landfill Information and Reports - September 2020
- b. Public Works Director Monthly Project Report - September 2020
- c. Solid Waste Collection Monthly Report- September 2020
- d. Utility Department Monthly Report - September 2020
- e. Waste Water Treatment Plant and Lab Monthly Report - October 2020
- f. Water Treatment Plant Monthly Reports - September 2020

4. Administration

- a. Consider Approval of Loan from Durant City Utilities Authority to City of Durant in the Amount of \$181,042 for Oklahoma LED Light Upgrade to be Paid on the First Day of Each Month for Forty-Two (42) Months with Interest at the Rate of 0.25% (C-2020-69)

Approved

Assistant City Manager James Dalton addressed council and stated there was a scrivener's error on the agenda title and in the memo incorrectly listing the amount of the loan as \$181,042. The correct amount is \$181,000.

Motion was made by Jerry Tomlinson and seconded by Mike Morris to approve loan from Durant City Utilities Authority to City of Durant in the amount of \$181,000 for Oklahoma LED Light Upgrade to be paid on the first day of each month for forty-two (42) months with interest at the rate of 0.25% (C-2020-69).

Motion Passed with the following vote:

Ayes: Grube, Morris, Sherrer, Tomlinson

Absent: Brittingham

- b. Consider Approval of Durant City Utilities Authority (DCUA) Capital Expense Purchase in the Amount of \$96,312 for Oklahoma LED Light Upgrade for all DCUA Facilities

Approved

Assistant City Manager James Dalton addressed council and stated it is estimated the city will receive approximately \$90,000 from OG&E in rebates on this project. A portion of those rebates will be used to offset this expenditure.

Motion was made by Jerry Tomlinson and seconded by Mike Morris to approve Durant City Utilities Authority (DCUA) capital expense purchase in the amount of \$96,312 for Oklahoma LED Light Upgrade for all DCUA facilities.

Motion Passed with the following vote:

Ayes: Grube, Morris, Sherrer, Tomlinson

Absent: Brittingham

- c. Consider Award of Bid for 13th and Arkansas Tank Rehabilitation Project to Viking Industrial Painting, LLC in the Amount of \$297,600.00

Approved

Public Works Director Marty Cook addressed council and stated ten bids were received for consideration. The recommended bid is under budget. This project is part of a bigger scope of work at the Water Treatment Plant. Mr. Cook recommends the bid be awarded to Viking Industrial Painting, LLC in the amount of \$297,600.00.

Motion was made by Mike Morris and seconded by Jerry Tomlinson to award of bid for 13th and Arkansas Tank Rehabilitation Project to Viking Industrial Painting LLC in the amount of \$297,600.00.

Motion Passed with the following vote:

Ayes: Grube, Morris, Sherrer, Tomlinson

Absent: Brittingham

- d. Consider Acceptance of an Easement for the Intention of Extending Our Sanitary Sewer Line North of Remington Hills

Approved

Public Works Director Marty Cook addressed council and stated he was contacted by a developer who is building duplexes across the street and wants to provide sewer to those homes. Mr. Cook stated there is available capacity. Mr. Cook stated the City would not be out anything and would gain customers for sewer service. Mr. Cook recommends acceptance of the easement for the intention of extending city sanitary sewer line north of Remington Hills.

Motion was made by Jerry Tomlinson and seconded by Danny Sherrer to accept easement for the intention of extending city sanitary sewer line north of Remington Hills.

Motion Passed with the following vote:

Ayes: Grube, Sherrer, Tomlinson

Abstain: Morris

Absent: Brittingham

Adjournment

Motion was made by Danny Sherrer and seconded by Mike Morris to adjourn meeting.

Motion Passed with the following vote:

Ayes: Grube, Morris, Sherrer, Tomlinson

Absent: Brittingham



The City of Durant

Office of City Clerk

Memorandum

Date: 11/2/2020
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of 2021 Meeting Schedule of the Durant City Utilities Authority

Council Information / Action Requested

Approval of 2021 Meeting Schedule of the Durant City Utilities Authority

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

ATTACHMENTS:

Description	Type	Upload Date
2021 Meeting Schedule of the Durant City Utilities Authority	Exhibit	11/2/2020

**Schedule of Regular Meetings for
Durant City Council,
The Durant City Utilities Authority (DCUA)
Durant Airport Authority (DAA)
*Durant Development Authority (DDA)**

Calendar Year 2021

Second Tuesday each month, unless otherwise noted

DATE	TIME	LOCATION
*January 12	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110
February 9	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110
March 9	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110
*April 13	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110
May 11	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110
June 8	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110
*July 13	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110
August 10	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110
September 14	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110
*October 12	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110
November 9	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110
December 14	6:00 P.M.	Roscoe J. Hatfield Council Chambers, Room 110

* Durant Development Authority
Meets on Quarterly Basis

Filed By:
John R. Dean, Jr., City Manager
Durant City Hall
P.O. Box 578
Durant, OK 74702-0578
(580) 931-6641

Filed in the office of the Durant City
Clerk on _____, 2020.

Cynthia J. Price, City Clerk



The City of Durant

Solid Waste Landfill

Memorandum

Date: 11/4/2020
To: Utilities Authority
From: Kenny Cooper, Supervisor, Solid Waste Landfill
Re: Landfill Information and Reports - October 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
October Project Schedule 2020	Cover Memo	11/4/2020
DEQ Report October 2020	Cover Memo	11/4/2020



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE *October 2020*

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 118
4. Number of rolloff containers added to service during month 11
5. Number of rolloff containers removed from service during month 11
6. Number of loaded rolloff containers emptied during month 322

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. '20 – Dec. '20:

Approx. Start – Finish Date:

1. Haul trash to Ardmore 1-2020 thru 12-2020

D. Projects Planned And Requested For Authorization:

1. None.



MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES

(Please see instructions prior to completing this form)

Due by the 10th of the month following the reporting month

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

Report month/year: OCTOBER

Facility Name: CITY OF DURANT C/D LANDFILL
Mailing Address: PO BOX 578
DURANT, OK 74702-0578

Permit Number: 3507001

Phone Number: 580-931-6606

Total # of Days open: 27

COMPLETE SECTIONS 5-10 ONLY IF SCALES GO DOWN

D A Y	(1) Total weight accepted (tons)	(2) Weight which is reused or recycled in accordance with facility permit (tons)	(3) Weight accepted from a DEQ approved emergency or special event (tons)	(4) Weight accepted from large industrial waste generators with DEQ exemption certificate (tons)	(5) Time scales placed out of service	(6) Time scales placed into service	(7) Total volume accepted (yd3)	(8) Volume which is reused or recycled in accordance with facility permit (yd3)	(9) Volume accepted from a DEQ approved emergency or special event (yd3)	(10) Volume accepted from large industrial waste generators with DEQ exemption certificate (yd3)
1	10.42									
2	9.35									
3	18.16									
4										
5	5.87									
6	27.35									
7	67.5									
8	120.34									
9	203.13									
10	3.55									
11										
12	472.67									
13	320.71									
14	33.3									
15	47.76									
16	36.71									
17	5.72									
18										
19	36.85									
20	20.69									
21	40.28									
22	23.99									
23	1.27									
24	1.81									
25										
26	0.3									
27	0.44									
28	3.85									
29	0.55									
30	2.3									
31	1.69									
Total	1516.56	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: Kenny Lopez

Phone #: 580-924-8358

Date: 11/3/2016

e-mail address: zlaborico@durant.org

INSTRUCTIONS FOR COMPLETING THE MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES



The City of Durant

Public Works Director

Memorandum

Date: 11/2/2020
To: Utilities Authority
From: Marty Cook - Pubic Works Director
Re: Public Works Director Monthly Project Report - October 2020

Report of Monthly Activity

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
October MR	Cover Memo	11/2/2020



THE CITY OF DURANT

Office of Public Works

11/1/2020

Durant Regional Airport Runway Extension and Rehabilitation: This project grant is closing out. We are awaiting FAA and OAC close approvals. LBR is administering this project.

Larkspur Street Extension Project: This project is on hold due to the property acquisition issues. Mr. Marcum is working with the landowner to facilitate purchase. Overland has finished their work on the original piece and we will be closing out this project until we can get the other property. Barker and Associates is administering this project. No Grant funding involved.

24" Forced Sewer Line Relocation Project: Mobilization for Construction began 12-26-17 with a primary completion window of 75 days. Staging of materials and equipment is at the old Country Club. We have been required by ODOT to suspend this project until they can clear up an issue with the original survey maps of the Right of Way along Hwy 75. They will be reimbursing us for any additional cost this might incur due to re-mobilization or re-design. We just received information that this project may be starting back up. No dates have been given yet. Barker and Associates is administering this project. No Grant funding involved.

City Wide AMR / AMI System: We have awarded bids on the construction portion of this project. We attended a pre-construction meeting with Core and Main. It was determined that they would begin the last week of November. Wall Engineering is administering this project. We project completion by Fall of 2021. This will be funded by \$4M OWRB loan and \$1.5M BOR Grant.

300 Meter AMR Project: We are about 1/3 of the way through the installation of these 300 meters. This Grant has been requested to be extended until December by the Grants department, although, we should reach completion sooner. This is a BOR Grant with labor match.

Leak Detection Study: We are currently cleaning valves for deployment 4. Brandon Wall is conducting the study.

Sludge Press for WWTP: We have awarded the bid on construction portion of this project to Wynn Construction and are awaiting a schedule from the construction company. This is funded with and \$1.5M EDA Grant and \$700K Choctaw match. Wall Engineering is Administering this project.

Research into Residential Curb Side Recycling: In process of obtaining more information. Continuing to explore options.

Streetscape V: ODOT Funded. Design complete. Waiting on go ahead from Grants Department to become involved.

Main Street and University Rebuild: In Design with Wall Engineering. Utility conflicts have been identified and conversation with utility companies have begun. Wall Engineering will be administering this project. Funded by loan money.

Choctaw Proposed RO Water Plant: We have received a discharge permit request for their proposed RO Water Plant to be located out off of Enterprise Rd. This plant would have a waste stream rich with TDS and Fluoride. We have Brandon Wall and Ray Anthony reviewing this proposal and discharge permit at this time. We have responded to their request for information with an estimated fee and they have said that this is being put on the back burner from their perspective.

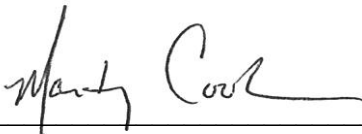
13th & Arkansas Water Tank Rehabilitation: We awarded this project to Viking Industrial Painting at the October Council Meeting. Wall Engineering is administering this project. I am awaiting a schedule for construction, we are assuming, at this point for the start to be no later than Nov 15th. I have been in contact with and met with US Cellular, Verizon, and Sprint about removing their equipment from the tower for the 90 day expected project timeline, they have begun the move of their equipment. Funded by loan money.

Water Treatment Plant Rehabilitation: We have an agreement with Wall Engineering to scope and design the rehabilitation for the WTP. We have only just begun. Estimated \$1M in construction costs. Funded by loan money.

WasteWater Treatment Plant Rehabilitation and Expansion: We have an agreement with Wall Engineering to scope and design the rehabilitation and expansion for the WWTP. Early in design. Estimated \$12M in construction costs. Funded by loan money.

Water Treatment Plant SCADA Project: Wall Engineering is designing and administering this project. Estimated \$550,000.00. Funded by \$125,000.00 CDBG and remainder loan money.

Respectfully,

A handwritten signature in black ink, appearing to read "Marty Cook", written over a horizontal line.

Marty Cook
Public Works Director



The City of Durant

Office of the Solid Waste Department

Memorandum

Date:

To: Utilities Authority

From: Jared Dillingham, Solid Waste Collection

Re: Solid Waste Collection Monthly Report- October
2020

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
Solid Waste Collection October 2020 Report	Cover Memo	11/2/2020



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS

October 2020

A. Work Completed:

1. Hauled 18.56 tons of extra hauling
2. Hauled 12 loads of extra hauling
3. Picked up and delivered 7 sharps
4. No abatement this month
5. Cleaned Sunny Side rd. 1 time
6. Replaced 17 dumpsters with new
7. Cleaned dead ends of Cemetery rd. 1 time

B. Work Planned For November

1. Replace dumpsters
2. Pick up trash

C. Work Planned For January 1, 2020 – December 31, 2020

1. Pick up trash
2. Replace dumpsters

D. Projects Planned And Requested For Authorization:

None



The City of Durant

Office of City Clerk

Memorandum

Date: 11/4/2020
To: Utilities Authority
From: Stephanie Barfield, Utility Billing Supervisor
Re: Utility Department Monthly Report - October 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Utility Department Monthly Report - October 2020	Exhibit	11/4/2020



Monthly Utility Billing, Cash Collection, And Consumption Summary

OCTOBER 2020

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	7061		6155		6812	
Total Revenue Billed	\$327,051.02	\$1,456,938.91	\$217,577.18	\$920,916.39	\$363,559.64	\$1,454,351.65
Adjustments in Dollar	(\$11,152.51)	(\$33,805.30)	(\$25,667.04)	(\$87,113.26)	(\$11,965.43)	(\$67,644.96)
TOTAL CASH RECEIPTS	\$234,840.04	\$1,030,806.23	\$110,606.40	\$439,625.86	\$225,380.71	\$822,990.05

CONSUMPTION IN GALLONS	89,855,100
------------------------	------------

NEW SERVICE APPLICATIONS	108
NUMBER OF WALK INPHONE PAYMENTS	1,074
MAIL PAYMENTS	1,202
CREDIT CARD PAYMENTS	1,297
WEB PAYMENTS	827
DROP BOX PAYMENTS	451
BANK DRAFT PAYMENTS	886
CREDIT CARD DRAFT PAYMENTS	223
KIOSK	922
OTHERS	



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 11/3/2020
To: Utilities Authority
From: Jesse Burk, Waste Water Treatment Plant
Re: Waste Water Treatment Plant and Lab Monthly Reports - October 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
WWTP Plant Report	Cover Memo	11/3/2020
WWTP Plant Report	Cover Memo	11/3/2020
WWTP Lab Report	Cover Memo	11/3/2020



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

WORK PLANNED FOR NOVEMBER 2020

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (On Going)
- 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: WINTERIZE PLANT
- 9: CHECK CALIBRATION OF DISCHARGE FLOW
- 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 (On Going)
- 18: INSTALL GBT HEATERS
- 19: NEW CRANE FOR UV BANKS INSTALLED



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

WORK DONE FOR OCTOBER 2020

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS (10/21/20)
- 3: VEHICLE INSPECTION (10/21/20)
- 4: CLEAN SCUM PUMP STATION (10/8/20)
- 5: CLEAN DRAIN LIFT STATION (10/20/20)
- 6: CHECK CLARIFIER OIL WEEKLY (10/5, 10/15, 10/20, 10/29/20)
- 7: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER (10/13/20)
- 8: CHECK CALIBRATION OF DISCHARGE FLOW (10/14/20)
- 9: PESTICIDE & HERBICIDE TRAINING (10/27/20)
- 10: WALK-THRU INSPECTION (10/2/20)
- 11: WASH DOWN STEP SCREEN (10/7/20)
- 12: CLEAN UV TROUGHS AND FLUME (10/6/20)
- 13: CHECK ELECTRIC MANHOLES (10/6/20)
- 14: CLEAN OUT BUILDINGS (10/9/20)
- 15: MANUALLY CHECK U.V. BULBS (10/9/20)
- 16: WASH DOWN CASINO STEPSCREEN (10/15/20)
- 17: CHECK ALL AUTOMATIC VALVES (On Going)
- 18: NEW EYE WASH & SAFETY SHOWERS INSTALLED (10/30/20)
- 19: EPA COVID-19 SURVEY COMPLETED (10/29/20)



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

10/01/20 to 10/31/20

Tests Processed

<u>87</u>	Bac-t's
<u>75</u>	BOD's
<u>120</u>	TSS's
<u>4</u>	NH3's
<u>62</u>	DO's
<u>62</u>	pH's
<u>0</u>	Ecoli * 7 per set
<u>0</u>	FOG's
<u>16</u>	cBOD's

Work Projects

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



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 11/2/2020
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Water Treatment Plant Monthly Reports - October 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
October MOR#1	Cover Memo	11/2/2020
October MOR #2	Cover Memo	11/2/2020
Oct 2020 CLO2	Cover Memo	11/2/2020
October monthly report	Cover Memo	11/2/2020
Oct 2020 Fluoride MOR	Cover Memo	11/2/2020

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

Plant: DWT
PWSID: 1010601
County: Bryan
Month: Oct-20

Durant Utilities Authority										P.O. Box 578										Durant, OK										74702									
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 (ppm)		Special Test		REMARKS						
		FILTERS USED-HOURS									ALUM	POLYMER	Caustic	Fluoride	Chlorite	OTHER	CHLORINE		"	"	TOTAL	TOTAL	"	"					TOTAL	TOTAL	RAW	FILT		FILT	RAW	FILT	RAW	FILT	
		1	2	3	4	5	6	7	8								PRE	POST							"P"	"P"	TOTAL	TOTAL											"P"
1	4142.0	24	24	24	24	24	24	23	23	60.0	1500.0	0.0	0.0	76.0	280.0		0.0	140.0	0.0	0.0	248.0	244.0	0.0	0.0	234.0	232.0	7.7	7.3	7.4	236.0	264.00	252.00							
2	4539.0	24	23	24	23	24	24	24	24	70.0	1500.0	0.0	0.0	83.0	300.0		0.0	150.0	0.0	0.0	252.0	250.0	0.0	0.0	228.0	230.0	7.8	7.5	7.6	224.0	262.00	256.00							
3	5439.0	23	24	23	24	24	24	24	24	58.0	1400.0	0.0	0.0	100.0	300.0		0.0	130.0	0.0	0.0	258.0	250.0	0.0	0.0	240.0	238.0	7.8	7.4	7.4	224.0	270.00	254.00							
4	5026.0	24	24	24	24	23	23	23	23	120.0	1200.0	0.0	0.0	92.0	280.0		0.0	140.0	0.0	0.0	262.0	258.0	0.0	0.0	230.0	238.0	8.2	7.8	7.7	224.0	262.00	262.00							
5	5013.0	24	24	24	24	24	24	24	24		1300.0	0.0	0.0	92.0	280.0		0.0	120.0	0.0	0.0	262.0	254.0	0.0	0.0	234.0	240.0	8.2	7.8	7.7	232.0	258.00	266.00							
6	4974.0	24	23	24	23	24	24	24	24	70.0	1200.0	0.0	0.0	91.0	280.0		0.0	120.0	0.0	0.0	268.0	262.0	0.0	0.0	242.0	248.0	8.2	7.8	7.9	238.0	278.00	270.00							
7	4999.0	23	24	23	24	24	24	24	24	70.0	1100.0	0.0	0.0	92.0	280.0		0.0	100.0	0.0	0.0	258.0	266.0	0.0	0.0	242.0	248.0	8.1	7.8	7.9	258.0	270.00	272.00							
8	5312.0	24	24	24	24	24	23	23	23	100.0	1200.0	0.0	0.0	97.0	280.0		0.0	120.0	0.0	0.0	248.0	260.0	0.0	0.0	240.0	236.0	7.5	7.2	7.3	250.0	274.00	280.00							
9	5341.0	24	24	24	24	23	24	24	24	34.0	1200.0	0.0	0.0	98.0	280.0		40.0	120.0	0.0	0.0	260.0	250.0	0.0	0.0	252.0	248.0	7.7	7.3	7.6	258.0	274.00	278.00							
10	5359.0	24	23	24	23	24	24	24	24	62.0	1200.0	0.0	0.0	98.0	300.0		80.0	140.0	0.0	0.0	250.0	254.0	0.0	0.0	250.0	244.0	7.7	7.3	7.3	254.0	282.00	274.00							
11	5295.0	23	24	23	24	24	24	24	24	70.0	1200.0	0.0	0.0	97.0	300.0		80.0	120.0	0.0	0.0	256.0	260.0	0.0	0.0	244.0	242.0	7.9	7.6	7.6	248.0	274.00	270.00							
12	5313.0	24	24	24	24	24	23	23	24	70.0	1200.0	0.0	0.0	97.0	300.0		80.0	120.0	0.0	0.0	250.0	250.0	0.0	0.0	234.0	236.0	8.0	7.3	7.4	242.0	260.00	258.00							
13	4950.0	24	24	24	24	23	24	24	23	68.0	1200.0	30.0	0.0	91.0	260.0		70.0	100.0	0.0	0.0	258.0	274.0	0.0	0.0	242.0	240.0	7.7	0.7	7.6	242.0	280.00	274.00							
14	4977.0	24	23	24	23	24	24	24	24	70.0	1300.0	40.0	0.0	91.0	260.0		70.0	80.0	0.0	0.0	260.0	272.0	0.0	0.0	254.0	252.0	7.8	7.4	7.6	254.0	280.00	278.00							
15	4942.0	23	24	23	24	24	24	24	24	70.0	1300.0	40.0	0.0	91.0	260.0		80.0	120.0	0.0	0.0	260.0	254.0	0.0	0.0	248.0	244.0	7.8	7.3	7.2	254.0	270.00	278.00							
16	4858.0	24	24	24	24	24	23	23	24	68.0	1300.0	40.0	0.0	89.0	260.0		70.0	110.0	0.0	0.0	268.0	262.0	0.0	0.0	246.0	242.0	7.8	7.3	7.3	254.0	272.00	272.00							
17	4779.0	24	24	24	24	23	24	24	23	66.0	1200.0	40.0	0.0	88.0	260.0		70.0	70.0	0.0	0.0	268.0	260.0	0.0	0.0	248.0	246.0	7.7	7.5	8.0	252.0	270.00	268.00							
18	4824.0	24	23	24	23	24	24	24	24	70.0	1200.0	40.0	0.0	88.0	260.0		80.0	130.0	0.0	0.0	270.0	264.0	0.0	0.0	236.0	246.0	7.8	7.2	7.2	236.0	270.00	280.00							
19	5496.0	23	24	23	24	24	24	23	24	95.0	1200.0	40.0	0.0	101.0	300.0		80.0	110.0	0.0	0.0	268.0	270.0	0.0	0.0	244.0	252.0	7.6	7.3	7.3	236.0	282.00	270.00							
20	5130.0	24	24	24	24	24	23	24	24	34.0	1500.0	40.0	0.0	94.0	300.0		80.0	100.0	0.0	0.0	264.0	134.0	0.0	0.0	250.0	256.0	7.8	7.5	7.3	236.0	280.00	272.00							
21	5093.0	24	24	24	24	23	24	24	23	66.0	1200.0	40.0	0.0	93.0	300.0		80.0	120.0	0.0	0.0	260.0	276.0	0.0	0.0	224.0	250.0	7.7	7.2	7.2	240.0	268.00	250.00							
22	4980.0	24	23	24	23	24	24	24	24	60.0	1100.0	40.0	0.0	91.0	300.0		80.0	120.0	0.0	0.0	280.0	260.0	0.0	0.0	254.0	252.0	7.5	7.0	7.0	250.0	276.00	270.00							
23	4954.0	23	23	23	24	24	24	23	24	130.0	1100.0	40.0	0.0	91.0	300.0		80.0	120.0	0.0	0.0	268.0	262.0	0.0	0.0	258.0	246.0	7.6	7.2	7.4	248.0	282.00	278.00							
24	4559.0	24	24	24	24	24	23	24	23	74.0	1100.0	40.0	0.0	83.0	300.0		50.0	90.0	0.0	0.0	254.0	264.0	0.0	0.0	248.0	252.0	8.1	7.6	7.3	256.0	282.00	278.00							
25	4254.0	24	24	24	24	24	24	24	24		900.0	40.0	0.0	78.0	300.0		60.0	100.0	0.0	0.0	272.0	266.0	0.0	0.0	252.0	250.0	7.8	7.3	7.3	260.0	290.00	272.00							
26	3768.0	23	24	23	24	24	24	24	24	70.0	800.0	40.0	0.0	69.0	300.0		50.0	90.0	0.0	0.0	260.0	278.0	0.0	0.0	248.0	266.0	7.8	7.4	7.4	260.0	300.00	284.00							
27	3812.0	24	23	24	23	23	24	24	24	110.0	900.0	40.0	0.0	70.0	300.0		50.0	90.0	0.0	0.0	282.0	256.0	0.0	0.0	252.0	260.0	7.9	7.7	7.3	248.0	308.00	284.00							
28	4114.0	24	24	24	24	24	24	23	24	36.0	800.0	40.0	0.0	75.0	300.0		80.0	100.0	0.0	0.0	252.0	258.0	0.0	0.0	246.0	246.0	7.7	7.4	7.3	261.0	294.00	280.00							
29	4349.0	24	24	24	24	24	23	24	23	50.0	1100.0	40.0	0.0	75.0	300.0		90.0	110.0	0.0	0.0	272.0	264.0	0.0	0.0	254.0	240.0	7.7	7.0	7.2	254.0	288.00	292.00							
30	4825.0	24	24	24	24	23	24	23	24	63.0	1100.0	40.0	0.0	88.0	300.0		90.0	110.0	0.0	0.0	292.0	266.0	0.0	0.0	248.0	248.0	7.7	7.2	7.4	240.0	296.00	309.00							
31	4974.0	23	24	23	23	24	23	23	23	179.0	1100.0	40.0	0.0	91.0	300.0		70.0	70.0	0.0	0.0	268.0	276.0	0.0	0.0	248.0	254.0	7.8	7.3	7.6	242.0	298.00	288.00							
Tot	150390.0	736.0	736.0	736.0	736.0	737.0	736.0	734.0	735.0	2163.0	36600.0	750.0		2750.0	8920.0		1660.0	3460.0																					
Avg	4851.3	23.7	23.7	23.7	23.7	23.8	23.7	23.7	23.7	74.6	1180.6	24.2		88.7	287.7		53.5	111.6			262.8	257.2			244.2	245.9	7.8	7.2	7.4	245.5	277.9	273.2							
Power Costs	\$19,555.55																																						
Labor Costs	\$49,250.80									Ave Rate of Wash (Vert. in/min)																													
Chemicals	\$12,348.03																																						
Supplies	\$856.76									Ave Wash Period (Minutes)																													
Repairs	\$1,180.00																																						
Testing Cost	\$1,785.00									% Wash Water Used																													
TOTAL	\$84,976.14									1.44%																													
Cost per thousand gallons	\$0.57									Ave. Head Loss for Washing																													
															I hereby certify the above to be correct to the best of my knowledge.																								
															Signed <u>Phillip Hightower</u>																								
															Print Phillip Hightower																								
															Title _____																								
															DEQ Form # 630-577 Revised 5/21/2018																								
															Oper. Cert. No. B9040 _____																								



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: **Oct-20**

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	2.61	1.60	1.90	6	0.05	0.04	0.04	0.03	0.03	0.03	2.9	3.1	2.9	2.9	2.9	2.9	2.1	2.1	
2	4.72	1.60	2.10	6	0.03	0.04	0.05	0.04	0.04	0.04	2.9	2.7	2.6	2.6	2.8	2.8	1.8	2.0	
3	3.53	1.70	2.00	6	0.04	0.05	0.06	0.03	0.04	0.04	2.8	2.8	2.7	2.7	2.7	2.7	2.0	1.8	
4	3.51	1.90	2.20	6	0.12	0.08	0.04	0.04	0.04	0.04	2.7	3.0	2.8	2.7	2.6	2.6	0.9	1.8	
5	5.02	1.80	1.80	6	0.04	0.04	0.04	0.04	0.04	0.04	2.6	2.6	2.6	2.6	2.6	2.6	1.7	2.0	
6	4.06	1.50	1.80	6	0.05	0.04	0.04	0.04	0.03	0.03	2.6	2.8	2.7	2.6	2.8	2.8	1.9	1.9	
7	4.01	1.70	1.90	6	0.06	0.04	0.03	0.04	0.05	0.05	2.8	2.5	2.5	2.6	2.6	2.6	1.8	2.1	
8	4.59	1.80	2.00	6	0.09	0.10	0.05	0.04	0.04	0.04	2.6	2.9	2.8	2.7	2.7	2.8	1.6	1.9	
9	3.10	1.90	2.00	6	0.04	0.06	0.04	0.04	0.04	0.04	2.8	2.7	2.8	2.6	2.7	2.8	1.9	2.6	
10	5.02	2.00	2.60	6	0.04	0.05	0.04	0.04	0.04	0.04	2.9	2.9	3.1	2.9	2.8	2.8	2.1	2.4	
11	1.39	2.00	2.20	6	0.04	0.07	0.04	0.03	0.03	0.03	2.9	2.8	3.0	2.9	2.8	2.9	2.2	1.4	
12	0.57	1.60	2.30	6	0.09	0.05	0.06	0.06	0.06	0.06	2.9	3.1	3.0	3.0	2.8	2.7	3.0	2.3	
13	3.98	1.30	2.30	6	0.07	0.07	0.06	0.05	0.04	0.04	2.8	2.9	3.2	2.7	2.7	2.8	2.2	2.1	
14	2.61	1.20	1.70	6	0.04	0.06	0.04	0.04	0.04	0.04	2.9	2.9	3.1	2.9	2.7	2.9	1.9	2.2	
15	2.68	1.70	2.00	6	0.04	0.07	0.04	0.04	0.04	0.05	2.5	2.9	3.0	2.9	2.9	2.9	2.4	2.7	
16	2.58	1.20	2.00	6	0.09	0.12	0.05	0.05	0.05	0.05	2.9	3.0	3.2	2.9	2.7	3.3	2.4	2.4	
17	1.71	1.70	2.30	6	0.05	0.07	0.06	0.04	0.04	0.03	3.2	3.0	3.1	3.1	2.7	2.7	2.0	2.5	
18	4.37	1.30	1.70	6	0.06	0.06	0.03	0.03	0.03	0.03	2.8	2.9	2.8	2.9	2.7	2.9	1.9	2.3	
19	3.63	1.30	1.80	6	0.03	0.06	0.07	0.06	0.03	0.04	2.9	2.9	3.0	2.8	2.7	2.8	1.9	2.3	
20	5.68	1.30	1.90	6	0.06	0.04	0.03	0.03	0.04	0.04	2.8	2.8	2.9	2.7	3.6	2.9	2.2	2.2	
21	29.93	1.60	1.50	6	0.04	0.05	0.03	0.03	0.03	0.03	2.1	2.8	3.0	2.8	2.8	2.7	2.3	1.8	
22	6.67	1.60	1.80	6	0.07	0.05	0.03	0.03	0.03	0.03	2.8	2.8	2.9	2.8	2.7	2.7	2.3	1.8	
23	4.56	1.80	4.40	6	0.06	0.05	0.04	0.03	0.03	0.03	2.8	2.9	2.8	2.8	2.8	2.7	2.0	2.3	
24	2.16	0.80	1.80	6	0.03	0.06	0.04	0.03	0.03	0.03	2.7	2.8	2.8	2.8	2.7	2.5	2.2	2.3	
25	3.86	1.00	1.90	6	0.03	0.03	0.03	0.03	0.03	0.03	2.6	2.7	2.7	2.7	2.7	2.7	1.8	2.0	
26	1.86	1.10	1.90	6	0.06	0.04	0.04	0.05	0.06	0.06	2.7	2.7	2.8	2.8	2.7	2.8	1.8	2.1	
27	1.55	1.00	2.00	6	0.06	0.08	0.04	0.04	0.08	0.07	2.8	2.8	3.0	2.9	2.8	2.7	2.2	1.7	
28	2.15	0.90	1.20	6	0.13	0.03	0.03	0.04	0.05	0.05	2.6	2.6	2.8	2.7	2.7	2.7	2.0	1.5	
29	3.43	1.70	2.30	6	0.06	0.03	0.03	0.03	0.03	0.03	2.7	2.9	2.9	2.9	2.7	2.8	2.2	2.4	
30	2.85	2.10	3.20	6	0.07	0.08	0.04	0.04	0.05	0.07	2.9	2.8	2.7	3.0	2.4	1.7	2.1	2.4	
31	2.48	1.90	2.40	6	0.09	0.08	0.06	0.07	0.12	0.09	2.4	2.9	3.1	2.9	2.6	2.7	2.2	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.

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

Month October Year 2020
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

11/2/2020

Date

B90404

Operator License #

Send Form by 10th of Following Month to:
Water Quality Division Attn DBP Coord.
P.O. Box 1677 Oklahoma City, Oklahoma 73101-1677





THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule October 2020 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. Cleaned up around plant
16. Disinfected lab and facilities twice a shift each shift
17. Mowed and weed eaten Plant as needed
18. Mowed towers when needed
19. Power washed old pump building so it can be painted
20. Painted steps leading up to the basin
21. Hire new employee for evening shift
22. Training new employee for evening shift
23. Painted old pump building
24. Painted steps going into old chemical building and the dock
25. Installed new UPS at raw pump station
26. Installed new UPS in new #5 filter console
27. Tore down #4 raw pump so it can be pulled and sent for repairs
28. Pulled 31 and 4 raw pumps to be repaired
29. Replaced light switches in alum room
30. Installed a new water faucet in new filter building
31. Replaced sump pump in raw pump station
32. Treated 150,390,000 gallons of water

B. Work Planned for January-December

Approx Start/Finished

- | | |
|---|-----------------|
| 1. Pull #1 raw pump and send off for repairs | Time permitting |
| 2. Pull # 3 raw pump and send off for repairs | Time permitting |
| 3. Have towers inspected and cleaned | Time permitting |

C. Projects Planned and Requested for Authorization

- A. Upgrade backwash motor to 480 volt and do away with 2300 volt in pump building
- B. Upgrade Scada system on Old and New Plant Filters

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 2020

Date	Water Treated (1000s of Gallons)	Applied		Residual Fluoride (F), ppm			
		lbs.	PPM of F	Raw		Distribution	
				(1)	(2)	(1)	(2)
1	4142	76	0.4	0.02	0.11	0.90	0.86
2	4539	83	0.4	0.01	0.06	0.42	0.56
3	5439	100	0.4	0.14	0.14	0.56	0.50
4	5026	92	0.4	0.15	0.15	0.75	0.54
5	5013	92	0.4	0.21	0.07	0.73	0.48
6	4974	91	0.4	0.06	0.00	0.78	0.50
7	4999	92	0.4	0.07	0.24	0.87	0.63
8	5312	97	0.4	0.0	0.22	0.51	0.87
9	5341	98	0.4	0.0	0.07	0.67	0.61
10	5359	98	0.4	0.24	0.05	0.66	0.75
11	5295	97	0.4	0.09	0.09	0.62	0.67
12	5313	97	0.4	0.27	0.05	0.57	0.50
13	4950	91	0.4	0.15	0.09	0.64	0.80
14	4977	91	0.4	0.15	0.07	0.90	0.64
15	4942	91	0.4	0.00	0.29	0.60	0.75
16	4858	89	0.4	0.10	0.32	0.59	0.58
17	4778	88	0.4	0.0	0.01	0.52	0.69
18	4824	88	0.4	0.0	0.26	0.56	0.76
19	5496	101	0.4	0.0	0.0	0.41	0.59
20	5130	94	0.4	0.0	0.0	0.93	0.47
21	5093	93	0.4	0.46	0.03	0.86	0.40
22	4980	91	0.4	0.05	0.11	0.51	0.50
23	4954	91	0.4	0.16	0.15	0.85	0.63
24	4559	83	0.4	0.20	0.0	0.56	0.50
25	4254	78	0.4	0.29	0.21	0.75	1.01
26	3768	69	0.4	0.32	0.11	0.92	0.68
27	3812	70	0.4	0.56	0.32	1.0	0.87
28	4114	75	0.4	0.21	0.18	0.96	0.63
29	4349	75	0.4	0.07	0.08	0.78	0.56
30	4825	88	0.4	0.0	0.21	0.33	0.57
31	4974	91	0.4	0.23	0.24	0.82	0.65
Total	150389	2740	12.4	4.21	3.93	21.53	19.75
Average	4851	88.4	0.4	0.14	0.13	0.69	0.64

* 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



The City of Durant

Office of City Clerk

Memorandum

Date: 11/6/2020
To: Utilities Authority
From: Brandon Wall, Engineer
Re: Consider Approval of a Graphic Design for the Water Tower at 13th and Arkansas

The designer is finalizing designs which will be provided when complete.

Council Information / Action Requested

Approval of a Graphic Design for the Water Tower at 13th and Arkansas.

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