

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**

December 8, 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 November 10, 2020

2. Consider Items Removed from Consent

3. Information Items

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

4. Administration

ADJOURNMENT

CERTIFICATE

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk

of Durant on the 12th day of November, 2019 and that an agenda of said meeting was posted at the place of such meeting at 4:30 p.m. on the 3rd day of December, 2020.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 11/17/2020
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of November 10, 2020

Council Information / Action Requested

Approval of Regular Meeting Minutes of November 10, 2020

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

ATTACHMENTS:

Description	Type	Upload Date
Minutes 11.10.2020	Exhibit	11/17/2020

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 7:15 a.m. on the 6th day of November, 2020.

MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY UTILITIES AUTHORITY OF November 10, 2020 AT 6:00 PM, Roscoe J. Hatfield Council Chambers, 300 West Evergreen, Durant, Oklahoma

CALL TO ORDER

Chairman Grube called the meeting to 6:26 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
Vice Chairman Steve Brittingham	
Chairman Oden Grube	

Absent: None

(*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 October 13, 2020

b. Consider Approval of 2021 Meeting Schedule of the Durant City Utilities Authority

Approved

Motion was made by Steve Brittingham and seconded by Jerry Tomlinson to approve consent items as presented.

Motion Passed with the following vote:

Ayes: Brittingham, Grube, Morris, Sherrer, Tomlinson

2. Consideration 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

Approved

City Manager John Dean provided council with seven graphic designs for review. City Manager Dean recommended Design #7 with Durant OK in red or blue lettering and stopping the red and blue lines at the bottom of the tank.

Motion was made by Jerry Tomlinson and seconded by Steve Brittingham to approve the city manager's recommendation for the graphic design for the water tower at 13th and Arkansas.

Motion Passed with the following vote:

Ayes: Brittingham, Grube, Morris, Sherrer, Tomlinson

Adjournment

Motion was made by Steve Brittingham and seconded by Danny Sherrer to adjourn meeting.

Motion Passed with the following vote:

Ayes: Brittingham, Grube, Morris, Sherrer, Tomlinson



The City of Durant

Solid Waste Landfill

Memorandum

Date: 12/2/2020
To: Utilities Authority
From: Kenny Cooper, Supervisor, Solid Waste Landfill
Re: Landfill Information and Reports - November 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
November Project Schedule 2020	Cover Memo	12/2/2020
DEQ Report November 2020	Cover Memo	12/2/2020



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: **NOVEMBER 2020**

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: 22

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										
2	9.8									
3	9.29									
4	18.22									
5	17.29									
6	8.63									
7	14.4									
8										
9	6.02									
10	10.56									
11										
12	10.09									
13	14.88									
14	2.35									
15										
16	16.5									
17	11.2									
18	24.22									
19	4.84									
20	11.87									
21	3.89									
22										
23	9.77									
24	3.39									
25	10.74									
26										
27										
28	2.64									
29										
30	8.08									
31										
Total	228.67	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 Cooper*

Phone #: 580-924-8358

Date: 12-1-20



MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES

(Please see instructions prior to completing this form)

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Administrative Services
Accounts Receivable
P. O. Box 2036
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1										
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13	14.88									
14	2.35									
15										
16	16.5									
17	11.2									
18	24.22									
19	4.84									
20	11.87									
21	3.89									
22										
23	9.77									
24	3.39									
25	10.74									
26										
27										
28	2.64									
29										
30	8.08									
31										
Total	228.67	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 Cooper*

Phone #: 580-924-8358

Date: 12-1-20



The City of Durant

Public Works Director

Memorandum

Date: 11/30/2020
To: Utilities Authority
From: Marty Cook - Public Works Director
Re: Public Works Director Monthly Project Report - November 2020

Report of Monthly Activity for November 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Monthly Report	Cover Memo	11/30/2020



THE CITY OF DURANT

Office of Public Works

12/1/2020

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. ODOT has been notified of the increased cost for remobilization and continuance of the project, we are awaiting their reply for reimbursement. 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 have installed approximately 135 of the 300 meters to date. We are requesting a new extension through next year and are verifying that we can use contract labor to finish the install for this project. 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. The preconstruction meeting will be on the 2nd of December. 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 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.

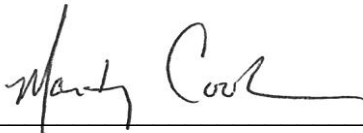
13th & Arkansas Water Tank Rehabilitation: This project has begun; contractors are on site. We awarded this project to Viking Industrial Painting at the October Council Meeting. Wall Engineering is administering this project. I have been in contact with and met with US Cellular, Verizon, and Sprint about removing their equipment from the tower for the 90 day expected project timeline, to date, Verizon and US Cellular have installed temp poles and are removing 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: 11/30/2020
To: Utilities Authority
From: Jared Dillingham, Solid Waste Collection,
Superintendent
Re: Solid Waste Collection Monthly Report- November
2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Solid Waste Collection November 2020 Report	Cover Memo	12/1/2020



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS

November 2020

A. Work Completed:

1. Hauled 25.39 tons of extra hauling
2. Hauled 10 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 8 dumpsters with new
7. Cleaned dead ends of Cemetery rd. 1 time

B. Work Planned December

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 the Water and Sewer Maintenance Department

Memorandum

Date: 12/2/2020
To: Utilities Authority
From: Ray Anthony - Utility Line Maintenance
Superintendent
Re: Utility Line Maintenance Report - November 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
November 2020 Report	Cover Memo	12/2/2020

Line Maintenance Report for November 2020

Water Leaks Repaired	36
Water Taps Installed	4
Sewer Taps	2
Meters Read	6034

12 after hours calls. 5 of the 12 was Mooney Lift Station

Mooney lift station has had some issues with pump clogging but had contractor and pump tech work on it, went 2 weeks with no issues. Then it started clogging up again, pump one is completely clogged and will be pulled the first week of December. Called Randy with Wall Engineering, he has made contact with Haynes and they are now working on a permanent solution.

The 300 meter project is still on the schedule and made some progress, we are now at 162 meters installed.

All 5 of the newer people now have the certifications they need for the department. But Matthew Santana-King turned in his 2 week notice on Nov. 12th and his last day was Nov. 25th, so we are now one person down again.



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 12/3/2020
To: Utilities Authority
From: Jesse Burk, Waste Water Treatment Plant
Re: Waste Water Treatment Plant and Lab Monthly Reports - November 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
WWTP Lab Report	Cover Memo	12/3/2020
WWTP Plant Report	Cover Memo	12/3/2020
WWTP Plant Report	Cover Memo	12/3/2020



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

11/01/20 to 11/30/20

Tests Processed

<u>71</u>	Bac-t's
<u>72</u>	BOD's
<u>140</u>	TSS's
<u>4</u>	NH3's
<u>60</u>	DO's
<u>60</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 Wastewater Treatment Plant

PROJECTS SCHEDULE

WORK PLANNED FOR DECEMBER 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 (On Going)
- 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 (On Going)
- 19: NEW CRANE FOR UV BANKS INSTALLED (On Going)



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 Water Treatment Plant

Memorandum

Date: 12/2/2020
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Water Treatment Plant Monthly Reports - November 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
November MOR	Cover Memo	12/2/2020
November MOR	Cover Memo	12/2/2020
November CLO2	Cover Memo	12/2/2020
November Fluoride Report	Cover Memo	12/2/2020
November Monthly Report	Cover Memo	12/2/2020

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

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

Durant Utilities Authority										P.O. Box 578										Durant, OK										74702										
System										Address										City										ZIP										
D a y	WATER TREATED (in 1,000 gal)	FILTER OPERATION								WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS.						ALKALINITY - RAW				ALKALINITY - FILTERED				pH			CaCO3 STABILITY Method:	HARDNESS (ppm)		Special Test Fe, Mn or Other		REMARKS							
		FILTERS USED-HOURS									ALUM	POLYM ER	Caustic	Fluoride	Chlorite	OTHER	CHLORINE				TOTAL	TOTAL												TOTAL	TOTAL					
		1	2	3	4	5	6	7	8								PRE	POST							"P"	"P"	TOTAL		TOTAL	"P"	"P"	TOTAL				TOTAL				
		RAW	FILT	FILT	RAW	FILT	RAW	FILT	RAW		FILT																													
1	4948.0	24	23	24	24	23	23	24	23	95.0	1100.0	40.0	0.0	91.0	300.0		80.0	80.0	0.0	0.0	276.0	276.0	0.0	0.0	260.0	260.0	8.0	7.6	7.6	244.0	288.00	278.00								
2	4196.0	23	24	24	24	24	24	23	24	50.0	1100.0	40.0	0.0	77.0	300.0		70.0	70.0	0.0	0.0	278.0	280.0	0.0	0.0	258.0	262.0	7.8	7.1	7.2	254.0	290.00	282.00								
3	4709.0	24	24	23	23	23	24	24	24	92.0	1000.0	40.0	0.0	86.0	300.0		80.0	80.0	0.0	0.0	282.0	280.0	0.0	0.0	254.0	264.0	7.8	7.2	7.5	262.0	286.00	290.00								
4	4588.0	24	24	24	24	24	23	23	23	85.0	1200.0	40.0	0.0	84.0	300.0		40.0	80.0	0.0	0.0	280.0	280.0	0.0	0.0	272.0	268.0	8.0	7.6	7.7	264.0	278.00	280.00								
5	4591.0	23	23	24	24	23	24	24	24	80.0	900.0	40.0	0.0	84.0	300.0		80.0	90.0	0.0	0.0	274.0	268.0	0.0	0.0	272.0	258.0	8.2	7.8	7.6	268.0	272.00	282.00								
6	4594.0	24	24	24	24	24	23	23	23	75.0	1100.0	40.0	0.0	84.0	300.0		70.0	70.0	0.0	0.0	264.0	266.0	0.0	0.0	250.0	256.0	8.4	7.5	7.5	264.0	292.00	286.00								
7	4587.0	24	24	23	23	24	24	24	24	72.0	1000.0	40.0	0.0	84.0	300.0		70.0	70.0	0.0	0.0	262.0	264.0	0.0	0.0	242.0	240.0	7.8	7.4	7.5	270.0	284.00	290.00								
8	4387.0	24	23	24	24	24	24	24	24	30.0	800.0	40.0	0.0	80.0	280.0		50.0	70.0	0.0	0.0	268.0	274.0	0.0	0.0	254.0	250.0	8.0	7.7	7.5	262.0	286.00	288.00								
9	4697.0	24	24	24	24	23	23	24	24	55.0	1100.0	40.0	0.0	86.0	300.0		70.0	70.0	0.0	0.0	268.0	150.0	0.0	0.0	262.0	250.0	7.5	7.3	7.7	252.0	270.00	290.00								
10	4968.0	23	24	23	24	24	24	24	24	55.0	1100.0	40.0	0.0	91.0	300.0		80.0	100.0	0.0	0.0	260.0	272.0	0.0	0.0	256.0	254.0	7.7	7.3	7.3	250.0	274.00	786.00								
11	4961.0	24	24	24	24	24	24	23	23	50.0	1100.0	40.0	0.0	91.0	300.0		70.0	70.0	0.0	0.0	258.0	278.0	0.0	0.0	246.0	258.0	7.7	7.3	7.5	260.0	300.00	286.00								
12	4784.0	24	23	24	23	24	24	24	24	50.0	1200.0	40.0	0.0	88.0	300.0		80.0	80.0	0.0	0.0	266.0	270.0	0.0	0.0	248.0	250.0	7.7	7.3	7.4	240.0	272.00	280.00								
13	4762.0	24	24	24	24	23	23	24	24	60.0	1100.0	40.0	0.0	87.0	300.0		80.0	80.0	0.0	0.0	260.0	288.0	0.0	0.0	246.0	260.0	7.7	7.4	7.4	260.0	288.00	290.00								
14	4411.0	23	24	23	24	24	24	24	24	66.0	1100.0	40.0	0.0	81.0	260.0		100.0	100.0	0.0	0.0	270.0	280.0	0.0	0.0	252.0	250.0	8.5	8.2	7.5	250.0	296.00	288.00								
15	4393.0	24	24	24	24	24	24	23	23	50.0	900.0	40.0	0.0	80.0	260.0		100.0	100.0	0.0	0.0	286.0	158.0	0.0	0.0	254.0	254.0	7.8	7.5	7.5	254.0	292.00	288.00								
16	4412.0	24	23	24	23	24	24	24	24	50.0	1000.0	40.0	0.0	81.0	260.0		80.0	80.0	0.0	0.0	274.0	264.0	0.0	0.0	260.0	252.0	8.0	7.5	7.5	266.0	268.00	286.00								
17	4407.0	24	24	24	24	23	23	24	24	65.0	900.0	40.0	0.0	81.0	260.0		80.0	80.0	0.0	0.0	270.0	280.0	0.0	0.0	254.0	264.0	7.4	6.9	7.1	244.0	296.00	280.00								
18	4408.0	23	24	23	24	24	24	24	24	55.0	900.0	40.0	0.0	81.0	280.0		80.0	80.0	0.0	0.0	260.0	288.0	0.0	0.0	252.0	268.0	7.6	7.1	7.3	268.0	302.00	284.00								
19	4537.0	24	24	24	24	24	24	23	23	72.0	1000.0	40.0	0.0	62.0	280.0		80.0	80.0	0.0	0.0	270.0	290.0	0.0	0.0	254.0	264.0	7.7	7.2	7.3	260.0	302.00	298.00								
20	4943.0	24	23	24	23	24	24	24	24	72.0	1000.0	40.0	0.0	68.0	300.0		90.0	90.0	0.0	0.0	280.0	290.0	0.0	0.0	270.0	272.0	7.6	7.2	7.4	262.0	300.00	300.00								
21	4912.0	24	24	24	24	23	23	24	24	66.0	1000.0	40.0	0.0	67.0	300.0		110.0	110.0	0.0	0.0	270.0	290.0	0.0	0.0	258.0	274.0	7.7	7.2	7.4	264.0	290.00	296.00								
22	4405.0	23	24	23	24	24	24	23	23	95.0	1000.0	40.0	0.0	61.0	280.0		100.0	80.0	0.0	0.0	284.0	310.0	0.0	0.0	266.0	284.0	7.9	7.5	7.8	262.0	290.00	280.00								
23	4362.0	24	24	24	24	24	24	24	24		1100.0	40.0	0.0	60.0	280.0		80.0	70.0	0.0	0.0	262.0	280.0	0.0	0.0	266.0	272.0	8.1	7.7	7.6	254.0	280.00	270.00								
24	4351.0	24	23	24	23	24	24	24	24	50.0	1000.0	40.0	0.0	60.0	280.0		110.0	100.0	0.0	0.0	276.0	286.0	0.0	0.0	254.0	264.0	7.7	7.1	7.3	254.0	270.00	282.00								
25	4322.0	24	24	24	24	23	23	23	23	122.0	1000.0	40.0	0.0	59.0	280.0		100.0	60.0	0.0	0.0	260.0	272.0	0.0	0.0	258.0	260.0	7.6	7.1	7.3	266.0	280.00	284.00								
26	4348.0	23	24	23	24	24	24	24	24	60.0	1800.0	40.0	0.0	60.0	280.0		80.0	60.0	0.0	0.0	234.0	240.0	0.0	0.0	244.0	236.0	7.6	7.2	7.4	262.0	280.00	290.00								
27	3930.0	24	24	24	24	24	24	24	24	0.0	1000.0	40.0	0.0	54.0	260.0		100.0	80.0	0.0	0.0	258.0	270.0	0.0	0.0	238.0	228.0	7.6	7.1	7.1	260.0	292.00	266.00								
28	3944.0	24	23	24	23	23	23	23	23	184.0	800.0	40.0	0.0	54.0	260.0		60.0	60.0	0.0	0.0	264.0	280.0	0.0	0.0	230.0	254.0	7.7	7.2	7.4	236.0	284.00	284.00								
29	3923.0	23	24	24	24	24	24	24	24	25.0	1000.0	40.0	0.0	54.0	260.0		70.0	70.0	0.0	0.0	274.0	260.0	0.0	0.0	252.0	254.0	7.8	7.4	7.4	240.0	282.00	282.00								
30	4138.0	23	24	23	24	24	24	24	24	50.0	1000.0	40.0	0.0	57.0	260.0		60.0	60.0	0.0	0.0	270.0	286.0	0.0	0.0	250.0	254.0	7.9	7.4	7.5	244.0	280.00	266.00								
31																																								
Tot	134918.0	711.0	712.0	712.0	713.0	711.0	711.0	711.0	711.0	1931.0	31300.0	1200.0		2233.0	8520.0		2400.0	2370.0																						
Avg	4497.3	23.7	23.7	23.7	23.8	23.7	23.7	23.7	23.7	66.6	1043.3	40.0		74.4	284.0		80.0	79.0			268.6	269.0			254.4	257.8	7.8	7.4	7.4	256.5	285.5	301.1								
Power Costs	\$14,947.25																																							
Labor Costs	\$49,250.80																																							
Chemicals	\$11,744.75																																							
Supplies	\$322.95																																							
Repairs	\$5,037.50																																							
Testing Cost	\$2,385.00																																							
TOTAL	\$83,688.25																																							
Cost per thousand gallons	\$0.62																																							
										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										1.43%										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: **Nov-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	180
Total number of turbidity readings	180
Number of turbidity readings above 1 NTU	0
HIGHEST turbidity reading	0.11
Number of turbidity readings above 0.15 NTU	0
Percent of turbidity readings above 0.15 NTU	0.00%
Free Chlorine-Entry Point to Distribution	
Total number of chlorine residual samples	180
Number of samples below 1.0 mg/L	0
Free Chlorine-Distribution	
Total number of chlorine residual samples	60
Number of samples below 0.2 mg/L	0

Individual Filter Turbidity - Complete Entire Checklist	
1. Was Each Filter Monitored continuously while the plant was running? ☐ No ☒ Yes	
2. Was each filter monitored every 15 minutes while the plant was running? ☐ No ☒ Yes	
3. Was there a failure of the continuous monitoring equipment? ☒ No ☐ Yes	
4. Did the same filter exceed 1.0 NTU in two consecutive 15 minute readings? ☒ No ☐ Yes*	
5. Was individual filter level greater than 0.5 NTU in two consecutive measurements after being on line for more than four hours? ☒ No ☐ Yes*	
6. Did the same filter exceed 1.0 NTU in two consecutive 15 minute readings for three months in a row? ☒ No ☐ Yes* (Submit a Self-Assessment of the filter(s) within 14 days of the exceedance)	
7. Did the same filter exceed 2.0 NTU in two consecutive 15 minute readings for two months in a row? ☒ No ☐ Yes* (Contact DEQ to schedule a Comprehensive Performance Evaluation)	

				# of Readings***	COMBINED FILTER TURBIDITY						FREE CHLORINE RESIDUAL								COMMENTS
DAY	RAW	SET	SET		2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	ENTRY POINT TO DISTRIBUTION						DISTRIBUTION SYSTEM		
											12am	4am	8am	12pm	4pm	8pm			
1	1.99	1.30	2.60	6	0.09	0.04	0.11	0.05	0.03	0.04	2.7	2.9	2.8	2.7	2.7	2.7	1.9	2.2	
2	1.60	1.60	2.00	6	0.06	0.08	0.03	0.03	0.04	0.04	2.7	2.8	2.9	2.9	2.6	2.6	1.9	2.2	
3	1.50	1.40	1.60	6	0.05	0.04	0.04	0.04	0.04	0.08	2.7	2.8	2.9	2.9	2.6	2.7	2.0	2.2	
4	1.05	1.20	1.50	6	0.07	0.05	0.03	0.04	0.04	0.04	2.9	3.1	3.2	2.9	2.7	2.6	2.4	2.4	
5	1.59	1.40	1.90	6	0.06	0.03	0.04	0.05	0.03	0.03	2.7	2.8	2.6	2.8	2.5	2.5	1.8	2.8	
6	1.31	1.20	1.70	6	0.03	0.04	0.05	0.06	0.03	0.04	2.6	2.6	2.5	2.6	2.6	2.5	2.5	2.5	
7	1.62	1.20	1.50	6	0.07	0.04	0.03	0.03	0.03	0.03	2.5	2.6	2.7	2.6	2.4	2.4	2.0	2.1	
8	14.30	1.50	1.40	6	0.03	0.03	0.03	0.05	0.03	0.03	2.3	2.5	2.5	2.7	2.5	2.5	2.2	1.8	
9	1.60	2.20	2.30	6	0.03	0.03	0.03	0.03	0.03	0.03	2.5	2.6	2.6	2.5	2.3	2.3	1.5	2.4	
10	3.19	1.50	1.50	6	0.05	0.04	0.04	0.04	0.04	0.05	2.3	2.4	2.4	2.4	2.4	2.4	1.9	1.8	
11	2.91	1.30	1.30	6	0.06	0.04	0.04	0.04	0.03	0.03	2.4	2.5	2.5	2.5	2.4	2.4	1.7	1.8	
12	1.62	1.20	1.40	6	0.05	0.04	0.04	0.04	0.04	0.04	2.5	2.7	2.6	2.3	2.4	2.6	1.7	1.8	
13	1.27	1.40	1.80	6	0.04	0.07	0.03	0.03	0.03	0.03	2.7	2.8	2.9	2.8	2.6	2.6	1.6	1.6	
14	1.50	1.40	1.20	6	0.03	0.08	0.03	0.04	0.05	0.06	2.8	2.7	3.0	2.8	2.7	2.6	1.8	1.8	
15	1.62	1.60	1.50	6	0.08	0.06	0.03	0.03	0.03	0.03	2.7	2.7	2.8	2.8	2.7	2.5	2.5	2.3	
16	1.37	1.30	2.00	6	0.04	0.08	0.04	0.04	0.04	0.04	2.6	2.7	2.8	2.7	2.5	2.5	2.2	2.1	
17	1.19	1.40	1.70	6	0.05	0.07	0.04	0.04	0.03	0.03	2.6	2.7	2.8	2.7	2.6	2.5	2.0	2.5	
18	1.37	1.30	1.70	6	0.03	0.05	0.04	0.04	0.05	0.07	2.8	2.9	3.1	2.9	2.6	2.8	2.0	2.1	
19	1.35	1.40	1.30	6	0.11	0.03	0.03	0.03	0.03	0.03	2.8	2.9	3.0	3.0	2.9	2.7	2.3	2.3	
20	1.39	1.50	1.50	6	0.03	0.08	0.05	0.06	0.09	0.09	2.9	2.9	3.0	2.8	2.7	2.7	2.3	2.1	
21	1.41	1.40	1.30	6	0.10	0.03	0.04	0.04	0.06	0.06	2.8	3.0	2.9	2.9	2.8	2.8	2.2	2.3	
22	4.69	1.70	1.00	6	0.07	0.08	0.04	0.04	0.03	0.03	2.8	2.9	3.0	2.9	2.9	2.7	1.7	2.3	
23	2.34	1.20	1.80	6	0.03	0.03	0.03	0.03	0.03	0.03	2.7	2.7	2.8	2.8	2.7	2.5	1.3	2.3	
24	1.61	1.10	1.70	6	0.03	0.07	0.03	0.03	0.03	0.07	2.6	2.8	2.7	2.8	2.8	2.9	2.2	2.2	
25	1.42	2.00	2.30	6	0.04	0.05	0.03	0.03	0.03	0.03	2.9	3.0	3.2	3.3	2.9	2.7	2.0	2.3	
26	4.44	2.60	2.90	6	0.03	0.05	0.03	0.03	0.03	0.03	2.8	3.0	3.2	3.2	2.9	2.8	2.6	2.5	
27	4.95	1.90	1.70	6	0.03	0.04	0.04	0.04	0.06	0.09	2.7	2.8	2.9	3.0	2.7	2.8	2.2	2.3	
28	3.17	1.60	1.70	6	0.06	0.07	0.08	0.03	0.03	0.03	2.9	3.0	3.4	3.6	2.8	2.6	2.8	2.2	
29	2.66	1.60	1.90	6	0.03	0.03	0.07	0.03	0.03	0.03	2.7	2.8	2.9	2.9	2.8	2.5	2.6	1.7	
30	2.14	1.60	2.10	6	0.03	0.04	0.03	0.03	0.06	0.11	2.5	2.6	2.7	2.7	2.5	2.4	2.3	2.0	
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.

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

Month November Year 2020
PWS Name Durant Water Treatment Plant

PWSID 1010601
Plant Name WTP
Total 30

Section 2: Summary of Chlorine Dioxide Daily Monitoring

- a. Number of Samples Collected 30.0
b. Number of Point of Entry Samples Exceeded MRDL of 0.8 mg/L 0.0

*For every day the MRDL is exceeded, three chlorine dioxide samples must be taken the next day in the distribution system. Notify your PWS Engineer. Samples results need to be recorded in ClO2 Dist. columns.*Refer to CHLORINE DIOXIDE MONITORING AND COMPLIANCE FACT SHEET for further instructions.*

- c. Number of Distribution Samples Exceeding MRDL of 0.8 mg/L 0.0

****VERY IMPORTANT. THIS IS A TIER 1 VIOLATION. THIS VIOLATION MUST BE IMMEDIATELY REPORTED TO DEQ AND TO ALL PERSON SERVED BY THE SYSTEM WITHIN 24 HOURS.****

Section 3: Summary of Chlorite Daily Monitoring

- a. Number of Samples Collected 30.0
b. Number of Point of Entry Samples Exceeded MCL of 1.0 mg/L 0.0

*For every day the MCL exceeded, three chlorite samples must be taken the next day in the distribution system. Enter sample results in Chlorite Dist. columns and then average. *Refer to CHLORITE MONITORING AND COMPLIANCE FACT SHEET for further instructions.*

- c. Number of Distribution Average exceeding MCL of 1.0 mg/L 0.0

Phillip Hightower

Signature of owner or operator

Phillip Hightower

Printed name

12/1/2020

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



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

PWSID 1010601 SYSTEM Durant Ok (SW) MONTH November
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	4948	91	0.4	0.16	0.17	0.76	0.93
2	4196	77	0.4	0.06	0.24	0.88	0.66
3	4709	86	0.4	0.0	0.05	0.70	0.62
4	4588	84	0.4	0.32	0.32	0.89	0.66
5	4591	84	0.4	0.04	0.0	0.78	0.24
6	4594	84	0.4	0.12	0.24	1.09	0.88
7	4587	84	0.4	0.28	0.34	0.51	0.39
8	4387	80	0.4	0.30	0.0	0.76	0.40
9	4697	86	0.4	0.0	0.16	0.89	0.49
10	4968	91	0.4	0.0	0.06	0.25	0.64
11	4961	91	0.4	0.0	0.12	0.39	0.75
12	4784	88	0.4	0.20	0.22	0.73	0.72
13	4762	87	0.4	0.20	0.02	0.78	0.21
14	4411	81	0.4	0.39	0.15	0.95	0.19
15	4393	80	0.4	0.26	0.0	0.85	0.66
16	4412	81	0.4	0.0	0.24	0.70	0.78
17	4407	81	0.4	0.01	0.21	0.82	0.67
18	4408	81	0.4	0.29	0.26	0.97	0.91
19	4537	62	0.3	0.52	0.00	1.17	1.13
20	4943	68	0.3	0.34	0.03	0.67	0.25
21	4912	67	0.3	0.51	0.0	1.13	0.79
22	4405	61	0.3	0.10	0.22	0.53	1.16
23	4362	60	0.3	0.06	0.0	0.58	0.52
24	4351	60	0.3	0.27	0.30	0.72	0.45
25	4322	59	0.3	0.32	0.32	0.70	0.82
26	4348	60	0.3	0.29	0.19	0.98	1.05
27	3930	54	0.3	0.27	0.01	0.79	0.85
28	3944	54	0.3	0.30	0.02	0.99	0.39
29	3923	54	0.3	0.13	0.0	0.46	0.69
30	4138	57	0.3	0.21	0.24	0.71	0.75
31							
Total	134918	2233	10.8	5.95	4.13	23.13	19.65
Average	4497	74	0.36	0.20	0.14	0.77	0.66

* 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 the Water Treatment Plant

Water Treatment Plant Projects Schedule November 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. Safety audit was performed on Plant and offsite locations
18. Installed a electrical plug at High Service Pump Station for the CL17 analyzer per safety inspection
19. Removed all exposed wires found on safety audit
20. Replaced UPS at SOSU tower
21. Drained 13th and Arkansas water tower so company can start painting
22. Tested all vehicles' antifreeze
23. Measured and cut pieces for handrails on Basin steps
24. Fixed leak on Poly feed line replaced ball valve
25. Welded handrails up on Basin steps
26. Welded up loose and broke hand rails around Basin
27. Treated 134,918,00 gallons of Blue River

B. Work Planned for January-December

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

Approx Start/Finish Date

Time permitting
Time permitting
Time permitting

C. Projects Planned and Requested for Authorization

None At this Time