

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**

January 12, 2021

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 December 8, 2020

2. Consider Items Removed from Consent

3. Information Items

- a. Landfill Information and Reports - December 2020
- b. Public Works Director Monthly Project Report - December 2020
- c. Solid Waste Collection Monthly Report- December 2020
- d. Utility Department Monthly Report - December 2020
- e. Waste Water Treatment Plant Monthly Report - December 2020
- f. Water and Sewer Line Maintenance Monthly Report - December 2020
- g. Water Treatment Plant Operational Reports - December 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 10th day of November, 2020 and that an agenda of said meeting was posted at the place of such meeting at 5:15 p.m. on the 7th day of January, 2021.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 12/14/2020
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of December 8, 2020

Council Information / Action Requested

Approval of Regular Meeting Minutes of December 8, 2020

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

ATTACHMENTS:

Description	Type	Upload Date
Minutes 12.8.2020	Exhibit	12/14/2020

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 4:30 p.m. on the 3rd day of December, 2020.

**MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY
UTILITIES AUTHORITY OF December 8, 2020 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 6:34 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 November 10, 2020

Approved

Motion was made by Steve Brittingham and seconded by Mike Morris to approve consent item 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 - 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

Motion was made by Mike Morris 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: 1/4/2021
To: Utilities Authority
From: Kenny Cooper, Supervisor, Solid Waste Landfill
Re: Landfill Information and Reports - December 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
December Project Schedule 2020	Cover Memo	1/4/2021
DEQ Report December 2020	Cover Memo	1/4/2021



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE ***December 2020***

A. Work Completed for December :

1. Covered C & D Site
2. Hauled MSW To SORD
3. Number of rolloff containers in service end of month 114
4. Number of rolloff containers added to service during month 21
5. Number of rolloff containers removed from service during month 24
6. Number of loaded rolloff containers emptied during month 334

B. Work Planned For January :

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 | 1-2021 thru 12-2021 |
|--------------------------|---------------------|

D. Projects Planned And Requested For Authorization:

1. None.



MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES

(Please see instructions prior to completing this form)

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

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

Report month/year: DECEMBER 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: 23

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	15.86									
2	7.08									
3	26.81									
4	8.74									
5	24.54									
6										
7	41.47									
8	9.38									
9	24.2									
10	31.04									
11	7.62									
12	4.21									
13										
14	12.48									
15	5.65									
16	17.85									
17	23.71									
18	38.25									
19	4.95									
20										
21	12.15									
22	25.02									
23	10.89									
24										
25										
26	3.32									
27										
28	8.61									
29	26.89									
30	2.81									
31										
Total	393.53	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: 1-4-21



The City of Durant

Public Works Director

Memorandum

Date: 1/4/2021
To: Utilities Authority
From: Marty Cook - Public Works Director
Re: Public Works Director Monthly Project Report - December 2020

Report of monthly activity for December 2020

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
Dec 2020	Cover Memo	1/4/2021



THE CITY OF DURANT

Office of Public Works

1/1/2021

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. 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: Core and Main have begun the installation of these meters. 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 were granted an extension through next year and are going 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: Wynn Construction are preparing to begin this project early January. This is funded with and \$1.5M EDA Grant and \$700K Choctaw match. Wall Engineering is Administering this project.

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 for University Blvd. 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.

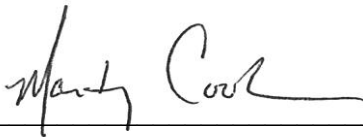
13th & Arkansas Water Tank Rehabilitation: Viking Industrial Painting has sandblasted and begun painting the tower; contractors are on site. All of the communications companies have complied with our needs. Wall Engineering is administering this project. Funded by loan money.

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: 1/12/2021
To: Utilities Authority
From: Jared Dillingham, Solid Waste Superintendent
Re: Solid Waste Collection Monthly Report- December 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 December 2020 Report	Cover Memo	1/6/2021



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS

December 2020

A. Work Completed:

1. Hauled 21.99 tons of extra hauling
2. Hauled 9 loads of extra hauling
3. Picked up and delivered 10 sharps
4. No abatement this month
5. Cleaned Sunny Side rd. 1 time
6. Replaced 5 dumpsters with new
7. Cleaned dead ends of Cemetery rd. 1 time

B. Work Planned For January 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

Office of City Clerk

Memorandum

Date: 1/7/2021
To: Utilities Authority
From: Stephanie Barfield, Utility Billing Supervisor
Re: Utility Department Monthly Report - December 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 - December 2020	Exhibit	1/7/2021



Monthly Utility Billing,
Cash Collection,
And Consumption Summary

DECEMBER 2020

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	7065		6183		6896	
Total Revenue Billed	\$301,292.90	\$1,639,509.54	\$220,209.44	\$861,011.46	\$358,779.93	1550208.69
Adjustments in Dollar	(\$4,656.70)	(\$43,037.03)	(\$19,399.31)	(\$36,571.05)	(\$8,214.56)	(\$75,859.52)
TOTAL CASH RECEIPTS	\$215,619.63	\$1,455,130.85	\$89,213.73	\$615,427.64	\$214,432.29	\$1,212,723.67

CONSUMPTION IN GALLONS	79,913,000
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NEW SERVICE APPLICATIONS	93
NUMBER OF WALK IN/PHONE PAYMENTS	1,019
MAIL PAYMENTS	1,247
CREDIT CARD PAYMENTS	1,215
WEB PAYMENTS	1,283
DROP BOX PAYMENTS	460
BANK DRAFT PAYMENTS	907
CREDIT CARD DRAFT PAYMENTS	247
KIOSK	1,414
OTHERS	



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 1/5/2021
To: Utilities Authority
From: Jesse Burk, Waste Water Treatment Plant
Re: Waste Water Treatment Plant Monthly Report - December 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	1/5/2021
WWTP Plant Report	Cover Memo	1/5/2021
WWTP Plant Report	Cover Memo	1/5/2021



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

12/01/20 to 12/31/20

Tests Processed

<u>81</u>	Bac-t's
<u>112</u>	BOD's
<u>155</u>	TSS's
<u>93</u>	NH3's
<u>64</u>	DO's
<u>64</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 JANUARY 2021

- 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 DECEMBER 2020

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS (12/5/20)
- 3: VEHICLE INSPECTION (12/3/20)
- 4: CLEAN SCUM PUMP STATION (12/15/20)
- 5: CLEAN DRAIN LIFT STATION (12/17/20)
- 6: CHECK CLARIFIER OIL WEEKLY (12/2, 12/9, 12/16, 12/23, 12/30/20)
- 7: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER (12/8/20)
- 8: CHECK CALIBRATION OF DISCHARGE FLOW (12/2/20)
- 9: WINTERIZE PLANT (12/8/20)
- 10: WALK-THRU INSPECTION (12/3/20)
- 11: WASH DOWN STEP SCREEN (12/16/20)
- 12: CLEAN UV TROUGHS AND FLUME (12/11/20)
- 13: CHECK ELECTRIC MANHOLES (12/8/20)
- 14: CLEAN OUT BUILDINGS (12/2/20)
- 15: MANUALLY CHECK U.V. BULBS (12/2/20)
- 16: WASH DOWN CASINO STEPSCREEN (12/15/20)
- 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 City Clerk

Memorandum

Date: 1/5/2021
To: Utilities Authority
From: Randy Cantrell, Water and Sewer Line Maintenance Department
Re: Water and Sewer Line Maintenance Monthly Report - December 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Water and Sewer Line Maintenance Monthly Report - December 2020	Exhibit	1/5/2021

Line Maintenance Report for December 2020

Water Leaks Repaired	82
Water Taps Installed	4
Sewer Taps	1
Meters Read	6034

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. Still waiting for results on the final solution

The 300 meter project is still on the schedule and made some progress, we are now at 176 meters installed.

The BIG AMR/AMI project has started and the installers had installed 278 in the first 2 weeks of December. They start back to work on January 04, 2021.



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 1/4/2021
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Water Treatment Plant Operational Reports - December 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
December 2020 MOR #1	Cover Memo	1/4/2021
December 2020 MOR #2	Cover Memo	1/4/2021
December2020 CLO2	Cover Memo	1/4/2021
December 2020 Fluoride	Cover Memo	1/4/2021
December 2020 Monthly Report	Cover Memo	1/4/2021

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

Plant: DWT
PWSID: 1010601
County: Bryan
Month: December 2020

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	"P"	"P"										TOTAL	TOTAL				
		1	2	3	4	5	6	7	8								PRE	POST							"P"	"P"	TOTAL		TOTAL	"P"	"P"	TOTAL				TOTAL	RAW	FILT	FILT
1	4466.0	24	24	24	24	24	24	23	23	50.0	1500.0	40.0	0.0	61.0	260.0		60.0	60.0	0.0	0.0	258.0	278.0	0.0	0.0	244.0	260.0	7.9	7.3	7.2	264.0	300.00	260.00							
2	4692.0	24	23	24	23	23	23	24	24	120.0	1000.0	40.0	0.0	64.0	260.0		60.0	60.0	0.0	0.0	276.0	278.0	0.0	0.0	260.0	260.0	7.7	7.0	7.2	260.0	300.00	294.00							
3	4778.0	23	24	23	24	23	23	23	23	180.0	1100.0	40.0	0.0	66.0	260.0		80.0	60.0	0.0	0.0	268.0	280.0	0.0	0.0	260.0	268.0	7.7	7.2	7.3	252.0	294.00	286.00							
4	4729.0	23	23	24	23	24	24	23	23	164.0	1000.0	40.0	0.0	65.0	260.0		80.0	60.0	0.0	0.0	274.0	270.0	0.0	0.0	264.0	254.0	7.8	7.2	7.4	264.0	300.00	312.00							
5	4683.0	23	24	23	23	23	23	23	24	158.0	1100.0	40.0	0.0	64.0	260.0		60.0	60.0	0.0	0.0	282.0	288.0	0.0	0.0	248.0	252.0	7.7	7.3	7.6	276.0	300.00	290.00							
6	4066.0	23	23	23	24	24	24	23	23	110.0	900.0	40.0	0.0	56.0	240.0		60.0	60.0	0.0	0.0	270.0	300.0	0.0	0.0	250.0	268.0	7.6	7.2	7.3	244.0	284.00	286.00							
7	3998.0	24	24	24	23	23	23	24	24	60.0	900.0	40.0	0.0	55.0	240.0		50.0	50.0	0.0	0.0	274.0	286.0	0.0	0.0	264.0	254.0	7.9	7.3	7.4	264.0	294.00	296.00							
8	4108.0	24	24	24	24	24	24	23	24	20.0	900.0	40.0	0.0	56.0	240.0		50.0	50.0	0.0	0.0	270.0	282.0	0.0	0.0	254.0	264.0	7.8	7.4	7.5	250.0	272.00	280.00							
9	4638.0	23	24	23	24	24	24	24	23	85.0	1000.0	40.0	0.0	64.0	260.0		80.0	60.0	0.0	0.0	274.0	274.0	0.0	0.0	248.0	246.0	7.9	7.5	7.6	254.0	272.00	270.00							
10	4723.0	24	23	24	23	23	23	23	24	148.0	900.0	40.0	0.0	65.0	280.0		80.0	60.0	0.0	0.0	268.0	274.0	0.0	0.0	250.0	252.0	7.9	7.5	7.7	250.0	274.00	286.00							
11	4749.0	23	24	24	24	24	23	23	23	114.0	1000.0	40.0	0.0	65.0	280.0		80.0	90.0	0.0	0.0	260.0	272.0	0.0	0.0	256.0	260.0	7.9	7.5	7.6	254.0	290.00	294.00							
12	4714.0	24	24	23	23	23	24	24	24	140.0	1300.0	40.0	0.0	65.0	280.0		80.0	80.0	0.0	0.0	270.0	268.0	0.0	0.0	250.0	260.0	7.9	7.5	7.6	260.0	260.00	270.00							
13	4213.0	23	23	24	24	23	23	24	24	60.0	1000.0	40.0	0.0	58.0	240.0		90.0	90.0	0.0	0.0	260.0	268.0	0.0	0.0	252.0	252.0	8.0	7.6	7.7	248.0	270.00	286.00							
14	4162.0	24	24	24	24	23	24	23	24	40.0	1000.0	40.0	0.0	57.0	240.0		80.0	60.0	0.0	0.0	264.0	266.0	0.0	0.0	250.0	246.0	8.0	7.5	7.5	240.0	266.00	260.00							
15	4138.0	23	24	23	23	23	24	24	23	125.0	1000.0	40.0	0.0	57.0	240.0		80.0	60.0	0.0	0.0	230.0	250.0	0.0	0.0	224.0	230.0	8.0	7.4	7.4	252.0	260.00	280.00							
16	3802.0	24	23	24	24	24	24	23	24	58.0	900.0	40.0	0.0	52.0	240.0		60.0	60.0	0.0	0.0	260.0	260.0	0.0	0.0	230.0	230.0	8.2	7.4	7.4	230.0	262.00	234.00							
17	4074.0	23	24	23	23	23	23	23	23	138.0	900.0	40.0	0.0	56.0	240.0		60.0	60.0	0.0	0.0	254.0	270.0	0.0	0.0	250.0	240.0	8.1	7.4	7.4	234.0	280.00	270.00							
18	4423.0	23	23	24	23	24	24	24	24	90.0	900.0	40.0	0.0	61.0	240.0		60.0	60.0	0.0	0.0	272.0	260.0	0.0	0.0	244.0	240.0	8.2	7.4	7.6	244.0	284.00	280.00							
19	4564.0	23	24	23	23	23	23	23	23	178.0	900.0	40.0	0.0	63.0	260.0		80.0	80.0	0.0	0.0	252.0	266.0	0.0	0.0	240.0	240.0	8.2	7.4	7.5	238.0	284.00	296.00							
20	4568.0	23	23	24	24	24	24	23	24	60.0	900.0	40.0	0.0	63.0	260.0		80.0	60.0	0.0	0.0	262.0	272.0	0.0	0.0	246.0	270.0	8.3	7.6	7.7	240.0	272.00	274.00							
21	4575.0	24	24	23	23	23	23	23	23	120.0	900.0	40.0	0.0	63.0	260.0		60.0	60.0	0.0	0.0	256.0	260.0	0.0	0.0	240.0	246.0	8.2	7.5	7.5	242.0	274.00	274.00							
22	4566.0	23	23	24	24	24	23	23	23	130.0	900.0	40.0	0.0	63.0	260.0		80.0	60.0	0.0	0.0	258.0	270.0	0.0	0.0	240.0	250.0	8.3	7.6	7.6	248.0	274.00	278.00							
23	4568.0	24	24	23	23	23	24	23	24	119.0	900.0	40.0	0.0	63.0	260.0		80.0	60.0	0.0	0.0	264.0	268.0	0.0	0.0	278.0	254.0	8.3	7.7	7.5	252.0	280.00	284.00							
24	4507.0	23	23	24	24	24	23	24	24	85.0	900.0	40.0	0.0	62.0	260.0		60.0	60.0	0.0	0.0	262.0	266.0	0.0	0.0	242.0	238.0	8.4	7.9	7.6	238.0	262.00	242.00							
25	3550.0	24	24	24	24	23	24	23	23	70.0	900.0	40.0	0.0	49.0	260.0		50.0	50.0	0.0	0.0	262.0	270.0	0.0	0.0	242.0	240.0	8.3	7.6	7.6	244.0	300.00	272.00							
26	2918.0	24	24	23	23	24	24	24	24	60.0	500.0	40.0	0.0	40.0	200.0		20.0	40.0	0.0	0.0	264.0	268.0	0.0	0.0	232.0	248.0	8.2	7.5	7.6	246.0	296.00	282.00							
27	3870.0	24	24	24	24	24	23	24	24	20.0	900.0	40.0	0.0	53.0	220.0		40.0	80.0	0.0	0.0	262.0	268.0	0.0	0.0	240.0	242.0	8.2	7.6	7.5	240.0	278.00	284.00							
28	4033.0	23	23	24	24	24	23	24	23	115.0	800.0	40.0	0.0	55.0	240.0		40.0	40.0	0.0	0.0	256.0	264.0	0.0	0.0	244.0	244.0	8.2	7.6	7.7	244.0	272.00	274.00							
29	4080.0	24	24	23	23	24	23	23	24	102.0	800.0	40.0	0.0	56.0	240.0		0.0	80.0	0.0	0.0	266.0	268.0	0.0	0.0	260.0	258.0	8.3	7.6	7.5	248.0	282.00	272.00							
30	4003.0	24	24	24	24	24	24	24	23	32.0	800.0	40.0	0.0	55.0	240.0		0.0	100.0	0.0	0.0	262.0	262.0	0.0	0.0	244.0	252.0	8.3	7.6	7.5	250.0	276.00	270.00							
31	4313.0	24	23	24	24	23	24	23	24	83.0	2500.0	40.0	0.0	59.0	240.0		60.0	100.0	0.0	0.0	254.0	254.0	0.0	0.0	240.0	240.0	8.1	7.5	7.5	244.0	280.00	280.00							
Tot	133271.0	729.0	732.0	732.0	730.0	728.0	730.0	724.0	730.0	3034.0	30900.0	1240.0		1831.0	7760.0		1900.0	2010.0																					
Avg	4299.1	23.5	23.6	23.6	23.5	23.5	23.5	23.4	23.5	97.9	996.8	40.0		59.1	250.3		61.3	64.8			263.4	270.3			247.9	250.3	8.0	7.5	7.5	248.8	280.4	277.9							
Power Costs		\$15,625.77																																					
Labor Costs		\$49,250.80																																					
Chemicals		\$10,628.89								Ave Rate of Wash (Vert. in/min)																													
Supplies		\$1,041.87								Ave Wash Period (Minutes)																													
Repairs		\$5,043.78																																					
Testing Cost		\$105.00								% Wash Water Used																													
TOTAL		\$81,696.11								2.28%																													
Cost per thousand gallons		\$0.61								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. 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: **December 2020**

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	2.10	1.30	1.80	6	0.12	0.04	0.05	0.05	0.12	0.09	2.5	2.7	2.8	2.7	2.5	2.5	2.2	2.1	
2	1.83	1.80	2.00	6	0.10	0.04	0.06	0.04	0.06	0.09	2.7	2.9	2.9	2.9	2.9	2.8	2.2	2.1	
3	1.76	1.90	2.60	6	0.13	0.11	0.04	0.05	0.07	0.08	2.8	3.1	3.0	2.9	2.8	2.8	1.9	2.4	
4	1.83	1.70	2.50	6	0.08	0.07	0.04	0.07	0.03	0.03	3.1	2.9	2.9	2.9	2.7	2.5	2.4	2.2	
5	1.73	1.90	2.70	6	0.05	0.06	0.10	0.03	0.03	0.04	2.6	2.7	2.8	3.0	2.7	2.5	2.3	2.3	
6	1.64	1.70	2.20	6	0.07	0.06	0.05	0.07	0.05	0.03	2.5	2.6	2.8	2.9	3.0	2.7	2.5	2.0	
7	1.69	1.40	2.00	6	0.03	0.04	0.05	0.07	0.03	0.03	2.7	2.7	2.8	2.8	2.8	2.5	2.1	2.1	
8	1.57	1.30	1.80	6	0.03	0.05	0.04	0.04	0.05	0.07	2.5	2.4	2.6	2.4	2.2	2.2	2.5	2.2	
9	1.44	1.60	2.50	6	0.07	0.04	0.03	0.03	0.03	0.07	2.4	2.6	2.8	2.6	2.5	2.6	2.1	2.0	
10	1.45	1.60	2.50	6	0.10	0.06	0.03	0.05	0.04	0.07	2.7	2.9	3.1	2.6	2.5	2.7	2.6	2.0	
11	1.43	1.60	2.50	6	0.06	0.08	0.07	0.05	0.07	0.08	2.7	2.9	3.0	3.1	3.0	3.0	2.2	2.1	
12	1.77	1.50	2.40	6	0.13	0.07	0.10	0.05	0.05	0.06	3.0	3.1	2.9	3.0	2.8	2.5	2.4	2.3	
13	1.46	1.60	1.80	6	0.07	0.05	0.06	0.03	0.03	0.04	2.6	2.7	2.8	2.9	3.0	3.0	2.5	2.6	
14	2.02	3.20	2.40	6	0.04	0.05	0.04	0.04	0.03	0.03	3.0	3.2	3.3	3.3	2.9	2.7	2.7	2.1	
15	6.45	3.00	2.00	6	0.04	0.06	0.05	0.05	0.04	0.06	2.7	2.8	3.1	3.3	3.1	2.9	2.9	2.6	
16	3.57	2.80	2.90	6	0.08	0.04	0.03	0.03	0.03	0.05	2.9	3.0	3.0	3.0	2.8	2.7	2.7	2.7	
17	2.40	2.70	2.10	6	0.06	0.08	0.05	0.08	0.09	0.06	2.7	2.9	3.1	3.1	2.8	2.9	2.7	2.2	
18	2.36	2.80	2.80	6	0.05	0.06	0.09	0.03	0.04	0.03	3.0	3.0	3.1	2.8	2.9	2.7	2.3	2.3	
19	1.83	2.30	2.50	6	0.06	0.10	0.11	0.07	0.03	0.04	2.8	3.0	3.2	3.2	3.0	2.7	2.4	2.8	
20	2.00	2.00	2.10	6	0.10	0.09	0.05	0.07	0.04	0.07	2.8	2.9	3.0	2.9	2.6	2.5	2.2	1.9	
21	1.86	2.00	2.50	6	0.11	0.09	0.04	0.05	0.03	0.04	2.6	2.8	3.1	2.8	2.8	2.5	2.4	2.2	
22	1.84	2.40	2.10	6	0.08	0.07	0.04	0.06	0.04	0.06	2.6	2.7	2.9	2.9	2.6	2.5	2.3	2.3	
23	1.71	1.50	2.00	6	0.06	0.07	0.03	0.03	0.06	0.09	2.7	2.7	2.9	2.8	2.5	2.3	2.1	1.5	
24	1.82	1.60	2.10	6	0.05	0.10	0.04	0.04	0.05	0.07	2.4	2.6	2.8	2.9	2.6	2.5	2.1	2.5	
25	1.68	2.30	2.80	6	0.08	0.05	0.05	0.07	0.03	0.03	2.4	2.6	2.7	2.9	2.4	2.5	1.9	1.7	
26	1.52	1.70	2.30	6	0.09	0.10	0.03	0.03	0.03	0.03	2.4	2.5	2.6	2.8	2.4	2.6	2.1	2.3	
27	1.52	2.10	2.50	6	0.05	0.06	0.03	0.03	0.04	0.07	2.5	2.5	2.6	2.8	2.5	2.6	2.0	2.2	
28	1.54	1.60	2.20	6	0.13	0.04	0.04	0.10	0.03	0.03	2.7	2.9	3.0	2.9	2.7	2.7	1.9	2.3	
29	1.67	1.40	1.80	6	0.07	0.07	0.05	0.06	0.06	0.08	2.6	2.6	2.7	2.7	2.5	2.6	2.1	1.9	
30	1.41	1.60	2.40	6	0.03	0.03	0.03	0.04	0.05	0.06	2.6	2.6	2.6	2.7	2.7	2.7	2.2	2.2	
31	1.60	1.40	2.40	6	0.04	0.08	0.05	0.06	0.09	0.03	2.7	2.7	2.8	2.6	2.5	2.5	2.5	1.8	

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

Month December 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

01-04-2021

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 December
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	4466	61	0.3	0.31	0.28	0.70	0.92
2	4692	64	0.3	0.31	0.18	0.73	0.61
3	4778	66	0.3	0.23	0.24	0.73	0.92
4	4729	65	0.3	0.35	0.24	0.92	0.25
5	4683	64	0.3	0.47	0.33	0.81	0.41
6	4066	56	0.3	0.11	0.27	0.61	0.81
7	3998	55	0.3	0.36	0.22	0.86	0.65
8	4108	56	0.3	0.20	0.05	0.60	0.51
9	4638	64	0.3	0.20	0.41	0.44	0.79
10	4723	65	0.3	0.16	0.27	0.80	0.64
11	4749	65	0.3	0.32	0.12	0.99	0.72
12	4714	65	0.3	0.37	0.08	0.73	0.56
13	4213	58	0.3	0.18	0.49	0.74	1.03
14	4162	57	0.3	0.17	0.22	0.57	1.01
15	4138	57	0.3	0.22	0.18	0.83	0.71
16	3802	52	0.3	0.26	0.35	0.73	0.87
17	4074	56	0.3	0.00	0.18	0.67	0.41
18	4423	61	0.3	0.44	0.57	0.94	0.74
19	4564	63	0.3	0.11	0.16	0.77	0.80
20	4568	63	0.3	0.28	0.76	0.42	1.09
21	4575	63	0.3	0.23	0.31	0.70	0.71
22	4566	63	0.3	0.31	0.20	0.72	0.92
23	4568	63	0.3	0.17	0.17	0.83	0.83
24	4507	62	0.3	0.43	0.36	1.29	0.46
25	3550	49	0.3	0.30	0.29	1.19	0.57
26	2918	40	0.3	0.13	0.0	0.46	0.07
27	3870	53	0.3	0.0	0.33	0.67	0.57
28	4033	55	0.3	0.39	0.02	0.74	0.31
29	4080	56	0.3	0.63	0.50	1.00	0.88
30	4003	55	0.3	0.32	0.50	1.04	1.07
31	4313	59	0.3	0.38	0.43	0.93	1.33
Total	133271	1831	9.3	8.34	8.71	24.16	22.17
Average	4299	59	0.30	0.27	0.28	0.78	0.72

* 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 December 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. Painted steps going into old filter room
18. Painted handrails in old filter pipe gallery, and around the filters
19. Installed security light on the outside of the old filter building
20. Replaced eyewash covers on eyewash stations
21. Installed new heater in CL2 control room
22. Replaced a sensor on security light at SOSU tower
23. Replaced the light bulbs downstairs of the raw pump station with LED bulbs
24. Placed a oil absorbent boom in basin to catch oil leaking from the old plant center drive
25. Treated 133,271,000 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