

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**

September 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 August 11, 2020

2. Consider Items Removed from Consent

3. Information Items

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

4. Administration

- a. Consider Approval of Agreement # C-2020-58 with Wall Engineering for the 13th and Arkansas Water Tank Rehabilitation Project in the Amount of \$35,750.00

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 5:05 p.m. on the 3rd day of September, 2020.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 8/31/2020
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of August 11, 2020

Council Information / Action Requested

Approval of Regular Meeting Minutes of August 11, 2020

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

ATTACHMENTS:

Description	Type	Upload Date
Minutes 8.11.2020	Exhibit	8/31/2020

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 4:45 p.m. on the 6th day of August, 2020.

**MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY
UTILITIES AUTHORITY OF August 11, 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 7:22 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 July 14, 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 - July 2020

- b. Public Works Director Monthly Project Report - July 2020
- c. Solid Waste Collection Monthly Report- July 2020
- d. Utility Department Monthly Report - July 2020
- e. Waste Water Treatment Plant and Lab Monthly Report - August 2020
- f. Water and Sewer Line Maintenance Monthly Report - July 2020
- g. Water Treatment Plant Monthly Operational Reports - July 2020

4. Administration

- a. Consider Approval of Agreement # C-2020-52 with Wall Engineering for Engineering Services of Proposed WasteWater Treatment Facility Rehabilitation

Approved

Public Works Director Marty Cook addressed the Authority Board and stated this is a \$12 Million project. City Manager Dean recommends approval.

Motion was made by Jerry Tomlinson and seconded by Danny Sherrer to approve Agreement Between Owner and Engineer for Professional Services (Wall Engineering - Waste Water Treatment Facility Rehabilitation) (C-2020-52).

Motion Passed with the following vote:

Ayes: Brittingham, Grube, Morris, Sherrer, Tomlinson

Adjournment

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

Motion Passed with the following vote:

Ayes: Brittingham, Grube, Morris, Sherrer, Tomlinson



The City of Durant

Office of City Clerk

Memorandum

Date: 9/3/2020
To: Utilities Authority
From: Kenny Cooper, Supervisor, Solid Waste Landfill
Re: Landfill Information and Monthly Report - August 2020

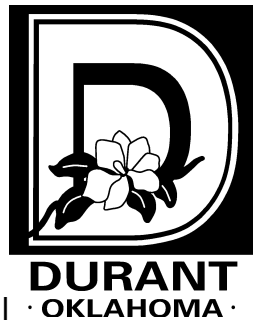
Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Project Schedule - August 2020	Exhibit	9/3/2020
DEQ Report - August 2020	Exhibit	9/3/2020



THE CITY OF DURANT

Office of the Solid Waste Supervisor

SOLID WASTE DISPOSAL PROJECTS SCHEDULE ***August 2020***

A. Work Completed for August :

1. Covered C & D Site
2. Hauled MSW To SORD
3. Number of rolloff containers in service end of month 123
4. Number of rolloff containers added to service during month 15
5. Number of rolloff containers removed from service during month 17
6. Number of loaded rolloff containers emptied during month 301

B. Work Planned For September :

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: AUGUST 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: 26

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	20.22									
2										
3	17.78									
4	11.24									
5	2.34									
6	32.99									
7	7.69									
8	25.21									
9										
10	33.39									
11	20.11									
12	18.99									
13	33.14									
14	20.82									
15	3.02									
16										
17	14.85									
18	19.19									
19	10.12									
20	29.11									
21	43.01									
22	5.28									
23										
24	13.53									
25	11.5									
26	14.35									
27	15.91									
28	23.97									
29	2.44									
30										
31	1.05									
Total	451.25	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: 9-1-20



The City of Durant

Public Works Director

Memorandum

Date: 8/31/2020
To: Utilities Authority
From: Marty Cook - Public Works Director
Re: Public Works Director Monthly Project Report - August 2020

Project Report for August 2020.

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
Aug 2020	Cover Memo	8/31/2020



THE CITY OF DURANT

Office of Public Works

8/1/2020

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.

Mooney Lift Station Upgrade: Dirt work is complete. The lift station is operational. This project is completed. Wall Engineering is designing and administering this project. No Grant funding involved.

Water Treatment Plant Fluoride System: This project is complete. We did begin dosing and testing on the 19th of May. Wall Engineering is administering this project. No Grant funding involved.

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. We have instructed Overland to finish their work on the original piece and 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 are opening bids on the construction portion of this project on 9-3-20. 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 ¼ 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 are awarding the bid on construction portion of this project at the September 8 City Council Meeting. 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.

Research into I & I Study with Dukes I-tracking: We viewed a demo and are awaiting information.

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. Wall Engineering will be administering this project. Funded by loan money.

Mill and Overlay Street List: J and L Paving has visited and we discussed logistics of this project. They have begun and the process should be finished by October. 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.

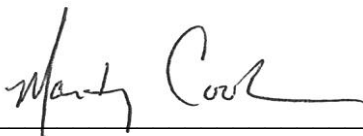
13th & Arkansas Water Tank Rehabilitation: We are recommending the approval of the engineering agreement with Wall Engineering at the September 8 City Council Meeting. We estimate this will cost around \$400,000.00 for construction. Funded by loan money.

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: 9/1/2020
To: Utilities Authority
From: Jared Dillingham - Solid Waste Collection
Superintendent
Re: Solid Waste Collection Monthly Report - August 2020

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
Solid Waste Collection Monthly Report- July 2020	Cover Memo	9/3/2020



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS

August 2020

A. Work Completed:

1. Hauled 21.74 tons of extra hauling
2. Hauled 11 loads of extra hauling
3. Picked up and delivered 8 sharps
4. No abatements this month
5. Cleaned Sunny Side rd. 1 time
6. Replaced 5 dumpsters with new
7. Cleaned dead ends of Cemetery rd. 0 times

B. Work Planned For September

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 Wastewater Treatment Plant

Memorandum

Date: 9/1/2020
To: Utilities Authority
From: Jesse Burk, Waste Water Treatment Plant
Re: Waste Water Treatment Plant and Lab Monthly Report - August 2020

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Waste Water Treatment Plant Monthly Report - August 2020	Exhibit	9/1/2020
Waste Water Treatment Plant Lab Monthly Report - August 2020	Exhibit	9/1/2020



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

WORK PLANNED FOR SEPTEMBER 2020

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS
- 3: SLUDGE PRESS SOIL TEST (Since March)
- 4: CLEAN SCUM PUMP STATION
- 5: CLEAN DRAIN LIFT STATION
- 6: CHECK CLARIFIER OIL WEEKLY
- 7: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER
- 8: CALIBRATE DISCHARGE DO & PH METER
- 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
- 18: VEHICLE INSPECTION



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

6/01/20 to 6/30/20

Tests Processed

<u>87</u>	Bac-t's
<u>70</u>	BOD's
<u>126</u>	TSS's
<u>4</u>	NH3's
<u>64</u>	DO's
<u>64</u>	pH's
<u>9</u>	Ecoli * 7 per set
<u>2</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: 9/2/2020
To: Utilities Authority
From: Phillip Hightower
Re: Water Treatment Plant Monthly Report - August
2020

Council Information / Action Requested

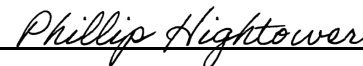
City Staff Information / Action Follow-up, if Council authorizes this action:

ATTACHMENTS:

Description	Type	Upload Date
August 2020 MOR#1	Cover Memo	9/2/2020
August 2020 MOR #2	Cover Memo	9/2/2020
August 2020 CLO2 MOR	Cover Memo	9/2/2020
August 2020 Fluoride MOR	Cover Memo	9/2/2020
August 2020 Monthly Report	Cover Memo	9/2/2020

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

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

System										Address										City										ZIP										
Day	WATER TREATED (in 1,000 gal)	FILTER OPERATION								WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS.						ALKALINITY - RAW				ALKALINITY - FILTERED				pH			CaCO3 STABILITY Method:	HARDNESS		Special Test		REMARKS							
		FILTERS USED-HOURS									ALUM	POLYMER	Caustic	Fluoride	Chlorite	OTHER	CHLORINE		"	"	TOTAL	TOTAL	"	"					TOTAL	TOTAL	RAW	FILT		RAW	FILT	RAW	FILT			
		1	2	3	4	5	6	7	8								PRE	POST							TOTAL	TOTAL	TOTAL											TOTAL		
1	5293.0	23	24	23	24	24	24	24	24	72.0	1900.0	0.0	0.0	97.0	380.0		120.0	120.0	0.0	0.0	236.0	230.0	0.0	0.0	212.0	206.0	7.8	7.5	7.3	208.0	226.00	234.00								
2	5383.0	24	23	24	23	24	24	24	24	75.0	2000.0	0.0	0.0	99.0	380.0		120.0	120.0	0.0	0.0	232.0	230.0	0.0	0.0	206.0	208.0	8.1	7.5	7.5	204.0	218.00	224.00								
3	6037.0	24	24	24	24	23	23	24	24	50.0	2300.0	0.0	0.0	111.0	380.0		140.0	120.0	0.0	0.0	230.0	234.0	0.0	0.0	206.0	2.0	8.1	7.1	7.5	210.0	254.00	248.00								
4	6195.0	24	24	24	24	24	24	23	23	55.0	2200.0	0.0	0.0	113.0	380.0		120.0	100.0	0.0	0.0	240.0	246.0	0.0	0.0	220.0	218.0	7.9	7.0	7.0	212.0	254.00	248.00								
5	6199.0	23	24	24	23	24	24	24	24	70.0	5700.0	0.0	0.0	114.0	380.0		200.0	100.0	0.0	0.0	222.0	232.0	0.0	0.0	216.0	208.0	7.6	7.4	7.2	206.0	218.00	230.00								
6	5852.0	24	23	23	24	24	24	24	24	80.0	6000.0	0.0	825.0	107.0	380.0		140.0	100.0	0.0	0.0	202.0	194.0	0.0	0.0	174.0	182.0	7.4	7.2	7.1	208.0	204.00	232.00								
7	5559.0	24	24	24	24	23	23	24	24	80.0	3900.0	0.0	1238.0	102.0	380.0		130.0	130.0	0.0	0.0	216.0	218.0	0.0	0.0	150.0	176.0	7.6	7.1	7.2	196.0	216.00	202.00								
8	5596.0	24	24	24	24	24	24	23	23	80.0	2300.0	0.0	963.0	102.0	380.0		140.0	100.0	0.0	0.0	220.0	240.0	0.0	0.0	194.0	200.0	7.6	7.7	7.4	194.0	218.00	230.00								
9	5603.0	23	24	24	23	24	24	24	24	60.0	2400.0	0.0	825.0	103.0	380.0		140.0	100.0	0.0	0.0	230.0	230.0	0.0	0.0	206.0	208.0	8.1	7.9	7.5	190.0	224.00	236.00								
10	5596.0	24	23	23	24	24	24	24	24	70.0	2300.0	0.0	0.0	102.0	380.0		120.0	100.0	0.0	0.0	232.0	226.0	0.0	0.0	218.0	208.0	8.1	7.9	7.2	200.0	232.00	230.00								
11	6219.0	24	24	24	24	23	23	24	24	65.0	2300.0	0.0	0.0	114.0	380.0		140.0	120.0	0.0	0.0	232.0	238.0	0.0	0.0	210.0	210.0	7.9	7.2	6.9	210.0	248.00	242.00								
12	6374.0	24	24	24	24	24	24	23	23	85.0	2500.0	0.0	0.0	117.0	380.0		160.0	120.0	0.0	0.0	230.0	232.0	0.0	0.0	194.0	210.0	7.4	7.1	7.1	204.0	220.00	230.00								
13	6347.0	23	24	24	23	24	24	24	24	60.0	2500.0	0.0	0.0	116.0	380.0		150.0	150.0	0.0	0.0	234.0	220.0	0.0	0.0	202.0	200.0	8.1	7.0	7.3	200.0	248.00	240.00								
14	6309.0	24	23	23	24	24	24	24	24	80.0	2600.0	0.0	0.0	116.0	380.0		150.0	150.0	0.0	0.0	234.0	224.0	0.0	0.0	204.0	204.0	8.2	7.5	7.4	206.0	220.00	226.00								
15	6370.0	24	24	24	24	23	23	24	24	70.0	2400.0	0.0	0.0	117.0	380.0		150.0	150.0	0.0	0.0	238.0	240.0	0.0	0.0	210.0	204.0	8.1	7.3	7.5	210.0	240.00	238.00								
16	6375.0	24	24	24	24	24	24	23	23	60.0	2500.0	0.0	0.0	117.0	380.0		160.0	160.0	0.0	0.0	232.0	230.0	0.0	0.0	208.0	204.0	8.0	7.2	7.5	200.0	238.00	242.00								
17	6268.0	23	24	24	23	24	24	24	24	70.0	2400.0	0.0	0.0	115.0	380.0		140.0	140.0	0.0	0.0	230.0	230.0	0.0	0.0	196.0	204.0	8.1	7.3	7.4	200.0	246.00	230.00								
18	6048.0	24	23	23	24	24	24	24	24	60.0	2300.0	0.0	0.0	111.0	340.0		120.0	120.0	0.0	0.0	232.0	246.0	0.0	0.0	204.0	208.0	8.2	7.2	7.4	200.0	240.00	240.00								
19	5937.0	24	24	24	24	23	23	24	24	55.0	2300.0	0.0	0.0	109.0	340.0		140.0	140.0	0.0	0.0	240.0	240.0	0.0	0.0	216.0	216.0	8.2	7.4	7.5	214.0	248.00	242.00								
20	6014.0	24	24	24	24	24	24	23	23	55.0	2500.0	0.0	0.0	110.0	340.0		130.0	130.0	0.0	0.0	236.0	236.0	0.0	0.0	196.0	204.0	8.1	7.4	7.5	206.0	244.00	240.00								
21	6044.0	23	24	24	23	24	24	24	24	72.0	2300.0	0.0	0.0	111.0	340.0		120.0	120.0	0.0	0.0	250.0	240.0	0.0	0.0	216.0	208.0	8.2	7.3	7.6	220.0	256.00	256.00								
22	6447.0	24	23	23	24	24	24	24	24	72.0	2800.0	0.0	0.0	118.0	380.0		140.0	140.0	0.0	0.0	222.0	218.0	0.0	0.0	208.0	206.0	8.2	7.5	7.6	230.0	258.00	260.00								
23	6735.0	24	24	24	24	24	23	23	24	55.0	2500.0	0.0	0.0	123.0	380.0		115.0	115.0	0.0	0.0	242.0	232.0	0.0	0.0	204.0	218.0	8.1	7.3	7.6	220.0	256.00	242.00								
24	6710.0	24	24	24	24	23	24	24	23	50.0	2500.0	0.0	0.0	123.0	380.0		110.0	150.0	0.0	0.0	240.0	234.0	0.0	0.0	204.0	214.0	8.0	7.2	7.5	208.0	254.00	250.00								
25	6758.0	23	24	24	23	24	24	24	24	60.0	2700.0	0.0	0.0	124.0	380.0		120.0	120.0	0.0	0.0	248.0	254.0	0.0	0.0	208.0	220.0	8.2	7.4	7.6	210.0	252.00	238.00								
26	6661.0	24	23	23	24	24	24	23	24	90.0	4400.0	0.0	0.0	123.0	380.0		200.0	160.0	0.0	0.0	250.0	226.0	0.0	0.0	228.0	226.0	8.0	7.4	7.4	224.0	260.00	250.00								
27	6124.0	24	24	24	24	24	23	24	24	30.0	2500.0	0.0	0.0	112.0	380.0		100.0	120.0	0.0	0.0	240.0	240.0	0.0	0.0	200.0	190.0	7.9	6.9	7.1	214.0	244.00	240.00								
28	5970.0	24	24	24	24	24	23	24	23	72.0	2300.0	0.0	0.0	109.0	340.0		100.0	120.0	0.0	0.0	240.0	236.0	0.0	0.0	210.0	212.0	8.2	7.0	7.5	216.0	250.00	252.00								
29	5995.0	23	24	24	23	24	24	24	24	72.0	2400.0	0.0	0.0	110.0	340.0		100.0	140.0	0.0	0.0	238.0	238.0	0.0	0.0	210.0	214.0	8.2	7.2	7.5	220.0	258.00	256.00								
30	6266.0	24	23	23	24	24	23	23	24	135.0	3100.0	0.0	0.0	115.0	360.0		140.0	140.0	0.0	0.0	240.0	236.0	0.0	0.0	224.0	214.0	8.2	7.6	7.6	220.0	242.00	250.00								
31	6096.0	24	24	24	24	24	24	24	24		2400.0	0.0	0.0	112.0	360.0		140.0	100.0	0.0	0.0	244.0	238.0	0.0	0.0	212.0	234.0	8.1	7.3	7.5	220.0	250.00	248.00								
Tot	189380.0	736.0	736.0	736.0	736.0	737.0	736.0	736.0	737.0	2060.0	85200.0		3851.0	3472.0	11500.0		4195.0	3895.0																						
Avg	6109.0	23.7	23.7	23.7	23.7	23.8	23.7	23.7	23.8	68.7	2748.4		124.2	112.0	371.0		135.3	125.6			233.9	232.5			205.4	201.2	8.0	7.3	7.4	209.0	239.9	239.5								
Power Costs	\$24,762.52										Ave Rate of Wash (Vert. in/min)										I hereby certify the above to be correct to the best of my knowledge.																			
Labor Costs	\$49,250.80										Ave Wash Period (Minutes)																				DEQ Form # 630-577 Revised 5/21/2018									
Chemicals	\$21,009.90																				Signed																			
Supplies	\$353.41																				Print										Phillip Hightotwer									
Repairs	\$3,684.59																														Oper. Cert. No.									
Testing Cost	\$1,970.00																														B90404									
TOTAL	\$101,031.22																																							
Cost per thousand gallons	\$0.53																																							



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: **Aug-20**

System

Address

City

Zip

Instructions:

If there are no combined filter turbidity readings or free chlorine residual sample results at the entry point to the dstrubution 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	0.17
Number of turbidity readings above 0.15 NTU	1
Percent of turbidity readings above 0.15 NTU	0.54%
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	16.51	1.90	2.90	6	0.04	0.07	0.04	0.04	0.04	0.04	2.6	2.8	2.8	2.7	2.5	2.7	1.8	2.0	
2	9.80	2.10	2.60	6	0.05	0.04	0.04	0.04	0.04	0.04	2.7	2.9	3.0	2.9	2.5	2.6	2.1	2.7	
3	10.60	2.10	2.40	6	0.05	0.04	0.04	0.04	0.04	0.04	2.8	3.0	2.7	2.9	2.6	2.7	1.8	2.0	
4	13.13	2.00	2.60	6	0.07	0.05	0.05	0.04	0.04	0.04	2.9	3.0	3.0	2.5	2.5	2.8	2.6	1.9	
5	15.60	1.80	3.40	6	0.05	0.04	0.04	0.04	0.04	0.04	2.9	3.1	3.0	2.9	2.8	3.0	1.7	2.0	
6	40.67	1.90	2.50	6	0.05	0.04	0.03	0.03	0.03	0.03	3.4	3.9	3.9	3.4	3.1	2.1	2.8	2.3	
7	29.00	1.80	2.50	6	0.03	0.05	0.03	0.03	0.04	0.05	2.3	2.5	2.6	2.9	2.8	2.6	2.7	2.1	
8	21.20	2.10	2.90	6	0.06	0.05	0.03	0.03	0.03	0.03	3.0	3.0	3.1	2.8	2.2	2.0	1.8	2.0	
9	16.44	2.10	2.60	6	0.06	0.04	0.04	0.03	0.03	0.03	2.5	2.9	3.1	3.1	2.5	2.5	1.9	1.9	
10	13.95	1.80	2.60	6	0.09	0.04	0.04	0.03	0.04	0.04	2.8	3.0	3.0	2.9	2.5	2.7	2.2	2.5	
11	13.13	1.60	2.70	6	0.08	0.04	0.04	0.04	0.04	0.04	2.9	3.1	3.0	2.6	2.6	1.2	2.6	2.4	
12	15.60	2.00	2.70	6	0.08	0.05	0.04	0.04	0.04	0.04	2.6	3.1	3.0	2.7	2.5	2.7	2.1	2.0	
13	15.60	2.40	2.90	6	0.05	0.04	0.04	0.04	0.04	0.04	3.1	3.2	3.1	2.5	2.6	2.8	2.1	2.3	
14	19.90	1.90	2.90	6	0.04	0.04	0.10	0.04	0.04	0.04	2.9	3.0	3.1	3.0	2.6	3.0	2.1	2.5	
15	16.40	1.90	2.60	6	0.04	0.07	0.07	0.03	0.04	0.05	3.0	3.1	3.1	2.7	2.6	2.8	2.1	2.0	
16	16.46	1.80	2.00	6	0.05	0.05	0.04	0.03	0.04	0.04	2.9	3.1	3.1	2.8	2.5	2.9	1.8	2.3	
17	10.62	1.90	2.20	6	0.07	0.04	0.04	0.04	0.04	0.04	3.0	3.2	3.1	2.8	2.6	2.6	2.0	1.8	
18	10.60	2.20	2.90	6	0.06	0.04	0.04	0.03	0.04	0.04	2.8	3.0	3.1	3.0	2.6	2.4	2.4	2.6	
19	8.92	1.80	2.20	6	0.06	0.04	0.04	0.03	0.05	0.07	2.7	2.9	3.0	2.9	2.4	2.6	2.0	2.0	
20	8.94	2.00	2.70	6	0.08	0.05	0.04	0.04	0.04	0.04	2.8	3.0	3.0	2.7	2.6	2.8	2.2	2.0	
21	14.80	2.00	2.60	6	0.04	0.07	0.05	0.04	0.04	0.04	3.0	3.0	3.1	2.6	2.6	2.8	2.3	1.8	
22	14.80	2.40	2.80	6	0.04	0.07	0.05	0.03	0.04	0.04	3.0	3.0	3.0	2.7	2.5	2.8	2.3	2.6	
23	13.13	2.20	2.40	6	0.09	0.05	0.04	0.04	0.06	0.08	2.9	3.1	3.1	2.8	2.6	2.6	2.0	1.4	
24	13.13	2.10	2.40	6	0.09	0.05	0.04	0.04	0.04	0.04	2.7	2.9	2.8	2.8	2.5	2.7	1.9	2.4	
25	11.46	2.60	2.80	6	0.07	0.04	0.04	0.04	0.04	0.05	2.9	3.0	3.0	2.6	2.5	2.6	2.7	1.9	
26	11.44	2.60	2.80	6	0.07	0.10	0.06	0.04	0.04	0.04	2.7	2.9	2.9	2.7	2.7	2.8	2.2	1.8	
27	23.13	2.10	2.20	6	0.06	0.05	0.03	0.03	0.04	0.04	2.9	3.3	3.4	3.2	2.9	2.5	2.7	2.4	
28	18.30	2.10	2.60	6	0.05	0.06	0.05	0.04	0.04	0.04	2.6	2.7	2.7	2.5	2.5	2.4	2.0	2.2	
29	15.40	2.00	2.30	6	0.04	0.06	0.04	0.05	0.06	0.17	2.5	2.6	2.6	2.5	2.4	2.5	1.9	2.0	
30	8.92	2.10	3.00	6	0.10	0.05	0.04	0.06	0.05	0.04	2.5	2.7	2.6	2.6	2.5	3.0	2.3	2.1	
31	10.62	2.20	2.00	6	0.04	0.04	0.04	0.04	0.04	0.04	3.2	3.0	2.9	2.9	2.6	2.6	1.9	2.4	

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

Month August Year 2020
PWS Name Durant

PWSID 1010601
Plant Name Water Treatment Plant
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

8/31/2020
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 August
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	5293	97	0.4	.01	0.0	0.65	0.60
2	5383	99	0.4	0.0	0.0	0.68	0.55
3	6037	111	0.4	0.07	0.0	0.89	0.75
4	6195	113	0.4	0.0	0.0	0.79	0.65
5	6199	114	0.4	0.0	0.0	0.42	0.82
6	5852	107	0.4	0.0	0.0	0.46	0.37
7	5559	102	0.4	0.0	0.0	0.63	0.29
8	5596	102	0.4	0.0	0.0	0.66	0.64
9	5603	103	0.4	0.0	0.15	0.25	0.67
10	5596	102	0.4	0.0	0.13	0.74	0.89
11	6219	114	0.4	0.0	0.0	0.74	0.41
12	6374	117	0.4	0.0	0.04	0.31	0.65
13	6347	116	0.4	0.19	0.09	0.79	0.58
14	6309	116	0.4	0.05	0.30	0.68	1.04
15	6370	117	0.4	0.17	0.0	0.84	0.45
16	6375	117	0.4	0.0	0.02	0.69	0.18
17	6268	115	0.4	0.13	0.0	0.61	0.72
18	6048	111	0.4	0.08	0.0	0.58	0.32
19	5937	109	0.4	0.0	0.0	0.55	0.54
20	6014	110	0.4	0.04	0.0	0.69	0.65
21	6044	111	0.4	0.0	0.0	0.55	0.83
22	6447	118	0.4	0.15	0.0	0.71	0.17
23	6735	123	0.4	0.0	0.0	0.55	0.49
24	6710	123	0.4	0.06	0.0	0.59	0.49
25	6758	124	0.4	0.25	0.0	0.92	0.51
26	6661	122	0.4	0.01	0.0	0.83	0.54
27	6124	112	0.4	0.0	0.0	0.53	0.79
28	5970	109	0.4	0.10	0.0	0.29	0.51
29	5995	110	0.4	0.08	0.03	0.48	0.66
30	6266	115	0.4	0.0	0.04	0.65	0.68
31	6096	112	0.4	0.0	0.0	0.22	0.78
Total	189380	3472	12.4	1.39	0.8	18.97	18.26
Average	6109	112	0.4	0.04	0.03	0.61	0.59

* 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 August 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. Wall Engineering here to do walk thru for new project
20. Installed vent on Fluoride day tank
21. Installed LED lighting where old lights have burned out
22. Replaced a back pressure valve on New plant alum pump
23. Installed running boards and toolbox in new 3/4 ton truck
24. Replaced Battery on lawn mower
25. Worked on #1 filter
26. Repaired alum leak on New plant pump
27. Cleaned vents and fans on #4 raw pump VFD
28. Cleaned vents and fans on #3 High service pump VFD and put online
29. Cleaned vents and fans on #3 transfer pump, had bad fan and ordered one will replace when it comes in
30. Replaced blades on mower
31. Sharpened blades on Brush hog
32. Took gravel over to raw pump station and put around valve stacks and filled in potholes
33. Tore down #1 raw pump to be sent off and repaired
34. Fixed pull rope on power washer
35. Power washed steps to be painted
36. Painted steps into shop, up to old plant filters and into old pump building
37. Treated 189,380,000 gallons of water

B. Work Planned for January-December

Approx Start/Finish Date

- | | |
|---|-----------------|
| 1. Paint buildings | Time permitting |
| 2. Pull #1 raw pump and send off for repairs | Time permitting |
| 3. Pull # 3 raw pump and send off for repairs | Time permitting |
| 4. 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



The City of Durant

Public Works Director

Memorandum

Date: 8/25/2020
To: Utilities Authority
From: Marty Cook - Public Works Director
Re: Consider Approval of Agreement # C-2020-58 with Wall Engineering for the 13th and Arkansas Water Tank Rehabilitation Project in the Amount of \$35,750.00

This is for the design, engineering, bidding, procurement, construction oversight and inspection of the 13th and Arkansas Water Tank Rehabilitation Project. This is a part of the overall WTP Improvements planned for this year.

Council Information / Action Requested

Approve Agreement C-2020-58

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

ATTACHMENTS:

Description	Type	Upload Date
Contract	Cover Memo	8/25/2020

WORK ORDER FOR PROFESSIONAL SERVICES

CITY OF DURANT OKLAHOMA

WORK ORDER NUMBER DU-20-05

13th & ARKANSAS TANK REHABILITATION

This will constitute authorization by CITY OF DURANT, OKLAHOMA (Owner) for WALL ENGINEERING, LLC (Engineer) to proceed with the outlined scope of services as defined below in accordance with "EJCDC Agreement for Engineering Services – Work Order Addition" previously approved by Owner.

PROJECT: 13th & Arkansas Tank Rehabilitation

- Participate in meetings with the Owner and other entities as required to define the project requirements and prepare Engineering Report.
- Prepare Plans and Specifications based on project requirements
- Obtain approval of Plans and Specifications from Owner and other entities as required
- Prepare bid packages, and assist owner in obtaining bids from contractors for the construction of the improvements. Fee for bid advertisement from newspaper to be paid by the Owner.
- Prepare Contract documents, coordinate contract execution and conduct preconstruction conference.
- Provide construction oversight services including review of contractors work, approving contractors pay estimates, review change order requests, and be the final judge of acceptance of the work performed by the contractor.
- Provide Construction Inspection Services
- Conduct Final Inspection and Project Closeout

For performing the engineering services described, the Engineer is to be paid based on a lump sum amount of \$35,750.00 to be paid based on percent complete of services proposed. The prices for all work proposed by the Engineer are more particularly described as follows.

Engineering Design, Plans, Specs, & Bidding Docs	\$ 9,230.00
Bidding, Procurement, Construction Oversight & Inspection	<u>\$ 26,520.00</u>
Total	\$ 35,750.00

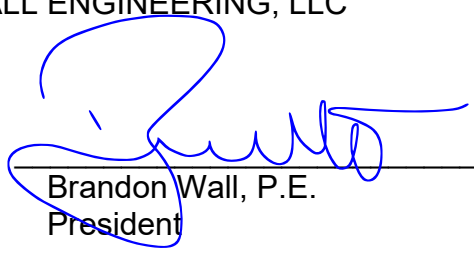
APPROVED:

ACCEPTED:

CITY OF DURANT, OKLAHOMA

WALL ENGINEERING, LLC

By: _____

By: 

Brandon Wall, P.E.
President

ATTEST:

City Clerk

Date: _____