

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**

October 10, 2017

**DURANT CITY HALL
300 W. EVERGREEN, DURANT, OK
ROSCOE J. HATFIELD COUNCIL CHAMBERS**

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 September 12, 2017

2. Consider Items Removed from Consent

3. Administration

- a. Resolution No. 2017-24: A Resolution Modifying Billing Procedures for Residential Water Customers When Water Usage is Estimated

4. Information Items

- a. Landfill Monthly Information & Reports - September 2017
- b. Solid Waste Monthly Collection Report - September 2017
- c. Utilities Office Monthly Summary Report - August 2017
- d. Wastewater Treatment Plant and Laboratory Monthly Reports - September 2017

- e. Water Treatment Plant Operation Monthly Reports - September 2017

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 17th day of November, 2016 and that an agenda of said meeting was posted at the place of such meeting at 4:50 p.m. on the 6th day of October, 2017.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 9/20/2017
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of September 12, 2017

Council Information / Action Requested

Approval of Regular Meeting Minutes of September 12, 2017

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

ATTACHMENTS:

Description	Type	Upload Date
Minutes 9.12.2017	Exhibit	9/20/2017

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 17th day of November, 2016 and that an agenda of said meeting was posted at the place of such meeting at 4:50 p.m. on the 8th day of September, 2017.

MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY UTILITIES AUTHORITY OF September 12, 2017 AT 6:00 PM, Roscoe J. Hatfield Council Chambers, 300 West Evergreen, Durant, Oklahoma

CALL TO ORDER

Chairman Tomlinson called the meeting to order at 9:20 p.m.

ROLL CALL

Present: Trustee Destry Hawthorne	City Attorney Tom Marcum
Trustee Oden Grube	City Manager Tim Rundel
Trustee Mike Dills	City Clerk Cynthia J. Price
Vice-Chairman Chad Hitchcock	
Chairman Jerry Tomlinson	

Absent: None (* denotes partial attendance)

Chairman Tomlinson 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 August 8, 2017

Approved

Motion was made by Chad Hitchcock and seconded by Oden Grube to approve consent item as presented. Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Grube, Dills, Tomlinson

2. Consideration Items Removed from Consent

3. Administration

a. Consider Award of Quote and Approval of Request for Authorization to Purchase for Overhaul of Headworks at Public Works and Overhaul of

Headworks at Waste Water Treatment Plant (Choctaw) (RFAP #2018-054)

Approved

Jacque Wilson, Public Works Director, stated this is an periodic maintenance item however the overhaul of the headworks will need to be completed before the Highway 78 South pipe upgrade project begins. Mr. Wilson and Terry Condor, Waste Water Treatment Plant Superintendent, both recommended Automatic Engineering. It is not the lowest bid but the best bid for logistical reasons.

Motion was made by Chad Hitchcock and seconded by Oden Grube to approve award of quote to Automatic Engineering and approve Request for Authorization to Purchase in the amount of \$20,000 for overhaul of headworks at Public Works and overhaul of headworks at Waste Water Treatment Plant (Choctaw) (RFAP #2018-054). Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Grube, Dills, Tomlinson

- b. Consider Approval of Request for Authorization for Purchase for RTU Upgrade to Cellular for Communications from Headworks at Public Works to the Waste Water Treatment Plant on Davis Road (RFAP #2018-019)

Approved

Jacque Wilson, Public Works Director, addressed council and stated this upgrade would allow better communication between Terry Condor and his team and their remote site. Mr. Wilson stated this is a budgeted item.

Motion was made by Chad Hitchcock and seconded by Mike Dills to approve Request for Authorization to Purchase in the amount of \$20,000 to Industrial Networking Solutions for RTU Upgrade to cellular for communications from headworks at Public Works to the Waste Water Treatment Plant on Davis Road (RFAP#2018-19). Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Grube, Dills, Tomlinson

4. Information Items

- a. Landfill Information & Reports - August 2017
- b. Solid Waste Collection Report - August 2017
- c. Utility Office Monthly Summary Report - July 2017

d. Waste Water Treatment Plant Monthly Report - August 2017

e. Water Treatment Plant Monthly Operation Reports - August 2017

Adjournment

Motion was made by Chad Hitchcock and seconded by Oden Grube to adjourn meeting.
Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Grube, Dills, Tomlinson



The City of Durant

Office of City Manager

Memorandum

Date: 10/6/2017
To: Utilities Authority
From: City Attorney Tom Marcum
Re: Resolution No. 2017-24: A Resolution Modifying Billing Procedures for Residential Water Customers When Water Usage is Estimated

The resolution is a request of Trustee Grube to address issues that may occasionally arise when bills are generated for municipal residential water customers based on an estimate of monthly water usage rather than an actual meter reading.

The resolution essentially does three things:

1. Directs staff to minimize the number of estimates.
2. Requires that bills generated based on estimated usage be clearly identified as such.
3. Directs that bills generated based on estimated usage be in an amount based on the greater of the maximum number of gallons the customer receives for the minimum monthly fee paid or the average of the most recent three billing periods for which actual readings occurred.

The intent of the resolution is to give customers credit for the water they have paid for and to eliminate larger bills following periods of estimated bills.

Council Information / Action Requested

Adopt Resolution No. 2017-24: A Resolution Modifying Billing Procedures for Residential Water Customers When Water Usage is Estimated.

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

ATTACHMENTS:

Description	Type	Upload Date
CA memo	Cover Memo	10/6/2017
Resolution 2017-24	Cover Memo	10/6/2017

T H O M A S N . M A R C U M
A T T O R N E Y A T L A W

M E M O R A N D U M

TO: Chairman and Trustees

FROM: Thomas Marcum

DATE: October 6, 2017

RE: Consideration of Resolution re Municipal Water Billing Procedures

The resolution is a request of Trustee Grube to address issues that may occasionally arise when bills are generated for municipal residential water customers based on an estimate of monthly water usage rather than an actual meter reading.

The resolution essentially does three things:

1. Directs staff to minimize the number of estimates.
2. Requires that bills generated based on estimated usage be clearly identified as such.
3. Directs that bills generated based on estimated usage be in an amount based on the greater of the maximum number of gallons the customer receives for the minimum monthly fee paid or the average of the most recent three billing periods for which actual readings occurred.

The intent of the resolution is to give customers credit for the water they have paid for and to eliminate larger bills following periods of estimated bills.

RESOLUTION NO. 2017-24

**A RESOLUTION MODIFYING BILLING PROCEDURES
FOR RESIDENTIAL WATER CUSTOMERS WHEN
WATER USAGE IS ESTIMATED**

WHEREAS, municipal residential water customers are billed monthly for water use based on the metered usage thereof; and,

WHEREAS, occasionally it is necessary for the Authority to estimate a municipal residential water customer's usage for a billing period; and,

WHEREAS, a monthly bill is generated for a municipal residential water customer based on the customer's actual or estimated usage; and,

WHEREAS, municipal residential water customers pay a monthly minimum usage fee which includes water usage up to a certain number of gallons; and,

WHEREAS, monthly bills based on estimated usage may not always credit municipal residential water customers for the usage included in the minimum monthly usage fee which could occasionally result in discrepancies within future monthly bills.

NOW THEREFORE BE IT RESOLVED by the Trustees of the Durant City Utilities Authority that,

1. Efforts be undertaken to minimize the number of accounts in which estimates are utilized; and,
2. Bills based on estimated usage be clearly identified in a manner that gives notice to a municipal residential water customer that the bill is based on estimated usage; and,
3. The billed estimated usage for a municipal residential water customer be the greater of:
 - a. The maximum volume included in the municipal residential water customer's minimum monthly fee, or
 - b. The average of the most recent three billing periods for which actual meter readings occurred.

AND BE IT FURTHER RESOLVED that the changes identified herein shall be effective as soon as reasonably possible for the implementation of procedures necessary for the administration of the demands herein and shall be fully implemented by January 1, 2018.

PASSED AND APPROVED this 10th day of October, 2017, by the Trustees of the Durant City Utilities Authority.

Chairman
Durant City Utilities Authority

ATTEST:

Cynthia J. Price, Secretary
Durant City Utilities Authority



The City of Durant

Solid Waste Landfill

Memorandum

Date: 9/29/2017
To: Utilities Authority
From: Zefe Laborico, Supervisor, Solid Waste Landfill
Re: Landfill Monthly Information & Reports - September 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
September 2017 DEQ Report	Exhibit	10/2/2017
September 2017 Project Schedule	Exhibit	10/2/2017
transfer station repair #1	Cover Memo	10/5/2017
transfer station repair #2	Cover Memo	10/5/2017
transfer station repair #3	Cover Memo	10/5/2017
transfer station repair #4	Cover Memo	10/5/2017
SORD Truck Report September 2017	Cover Memo	10/5/2017



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: SEPTEMBER 2017

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: 24

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	85.96									
2	0									
3	0									
4	0									
5	111.08									
6	62.29									
7	68.32									
8	73.07									
9	14.5									
10	0									
11	90.28									
12	48.66									
13	60.74									
14	89.8									
15	73.94									
16	30.08									
17	0									
18	75.77									
19	55.9									
20	42.62									
21	98.37									
22	98.12									
23	37.8									
24	0									
25	107.09									
26	148.12									
27	62.33									
28	64.24									
29	73.81									
30	21.68									
31	0									
Total	1694.57	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: _____ Phone #: 580-924-8358 Date: _____

e-mail address: zlaborico@durant.org

INSTRUCTIONS FOR COMPLETING THE MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES







SMOKING

WAIT FOR
GREEN
LIGHT

JOHN DEERE

bobcat.





Truck Report

Transactions from 09/01/2017 through 09/30/2017

Inbound and Outbound Tickets

Third Party and Intercompany Customers

Recycle and Disposal Material

Truck Summary

SORDSCOURTNEY

	cubic yards	tons	Est tons	Fees	Disposal Amount	Amount
DUR16 32 tickets and 32 transactions	0.00	586.20	0.00	\$732.78	\$11,577.50	\$12,310.28
DUR33 7 tickets and 7 transactions	0.00	145.00	0.00	\$181.26	\$2,863.76	\$3,045.02
DUR38 35 tickets and 35 transactions	0.00	618.17	0.00	\$772.77	\$12,208.90	\$12,981.67
DUR39 28 tickets and 28 transactions	0.00	497.53	0.00	\$621.94	\$9,826.23	\$10,448.17
Report Grand Totals	0.00	1,846.90	0.00	\$2,308.75	\$36,476.39	\$38,785.14

102 tickets and 102 transactions

End of Report



The City of Durant

Office of the Solid Waste Department

Memorandum

Date: 10/10/2017
To: Utilities Authority
From: Albert Pierce, Superintendent, Solid Waste Department
Re: Solid Waste Monthly Collection Report - September 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
Solid Waste Monthly Collection Report - September 2017	Exhibit	9/29/2017



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE ***September 2017***

A. Work Completed:

1. Hauled 78.02 tons of extra hauling
2. Hauled 81 loads of extra hauling
3. Picked up and delivered 17 sharps
4. Helped with 0 abatement
5. Cleaned Sunny Side rd. one time
6. Refurbished 9 dumpsters
- 7.
- 8.

B. Work Planned For October

1. Refurbish. dumpsters
- 2.

C. Work Planned For Jan. '17 – Dec. 31-17

1. Pick up trash

D. Projects Planned And Requested For Authorization:

1. None.



The City of Durant

Office of City Clerk

Memorandum

Date: 10/6/2017
To: Utilities Authority
From: An-Chen Lai, City Treasurer
Re: Utilities Office Monthly Summary Report - August 2017

Utilities Office Monthly Summary Report - August 2017

Council Information / Action Requested

Information Only.

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

ATTACHMENTS:

Description	Type	Upload Date
Utilities Office Monthly Summary Report - August 2017	Exhibit	10/6/2017



Monthly Utility Billing,
Cash Collection,
And Consumption Summary

AUGUST 2017

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	6809		5915		6242	
Total Revenue Billed	\$342,903.06	\$709,915.68	\$231,200.13	\$467,899.09	\$367,734.07	\$730,199.85
Adjustments in Dollar	(\$11,351.54)	(\$12,393.18)	(\$14,685.34)	(\$15,047.65)	(\$10,714.45)	(\$9,951.49)
TOTAL CASH RECEIPTS	\$294,452.72	\$495,410.28	\$179,905.17	\$362,070.11	\$278,599.72	\$550,820.58

CONSUMPTION IN GALLONS	871,976
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NEW SERVICE APPLICATIONS	102
NUMBER OF WALK IN/PHONE APYMENTS	2,359
MAIL PAYMENTS	1,630
CREDIT CARD PAYMENTS	1,143
WEB PAYMENTS	802
DROP BOX PAYMENTS	540
BANK DRAFT PAYMENTS	718
CREDIT CARD DRAFT PAYMENTS	179
OTHERS	0



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 10/2/2017
To: Utilities Authority
From: Terry Condor, Superintendent, Waste Water Treatment Plant
Re: Wastewater Treatment Plant and Laboratory Monthly Reports - September 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
Wastewater Treatment Plant Projects Schedule - September 2017	Exhibit	10/2/2017
MOR - September 2017	Exhibit	10/2/2017
Laboratory Monthly Report - September 2017	Exhibit	10/2/2017
Flow Reports - September 2017	Exhibit	10/2/2017



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK COMPLETED IN SEPTEMBER 2017

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS 9/11
- 3: CLEAN BLEND TANK MIXER 9/27/17
- 4: CLEAN EFFLUENT PUMP STATION (NOT NEEDED)
- 5: CLEAN RAW WATER PUMP STATION (NOT NEEDED)
- 6: CLEAN SCUM PUMP STATION (NOT NEEDED)
- 7: CLEAN DRAIN LIFT STATION 9/25/17
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER 9/5/17
- 9: CALIBRATE DISCHARGE DO & PH METER (SENT FOR REPAIR)
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER 9/27/17
- 11: RESET SBR PLC (OK)
- 12: WASH DOWN STEP SCREEN 9/21/17
- 13: CLEAN UV TROUGHS AND FLUME 9/12/17 9/25/17
- 14: CHECK ELECTRIC MANHOLES -----
- 15: CLEAN OUT BUILDINGS 9/26/17 9/29/17
- 16: MANUALLY CHECK U.V. BULBS 9/28/17
- 17: WASH DOWN CASINO STEPSCREEN 9/6/17
- 18: CHECK ALL AUTOMATIC VALVES (ON GOING)
- 19: VEHICLE INSPECTION 9/14/17
- 20: WALK-THRU INSPECTION 9/5/17
- 21: CLEAN ALL PLC's 9/15/17
- 22: CLEAN D.O. METERS (OK)
- 23: CHECK CLARIFIER OIL WEEKLY 9/5/17
- 24: RECEIVED BIDS TO OVERHAUL HEADWORKS AND DO ANALYZER

TREATED 64.873 MG OF WASTEWATER
PROCESSED 1.062868 MG OF TREATED SLUDGE

B: WORK PLANNED FOR OCTOBER 2017

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS
- 3: CLEAN BLEND TANK MIXER
- 4: CLEAN EFFLUENT PUMP STATION
- 5: CLEAN RAW WATER PUMP STATION
- 6: CLEAN SCUM PUMP STATION
- 7: CLEAN DRAIN LIFT STATION
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER
- 9: CALIBRATE DISCHARGE DO & PH METER
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER
- 11: RESET SBR PLC
- 12: WASH DOWN STEP SCREEN
- 13: CLEAN UV TROUGHS AND FLUME
- 14: CHECK ELECTRIC MANHOLES
- 15: CLEAN OUT BUILDINGS
- 16: MANUALLY CHECK U.V. BULBS
- 17: WASH DOWN CASINO STEPSCREEN
- 18: CHECK ALL AUTOMATIC VALVES
- 19: VEHICLE INSPECTION
- 20: WALK-THRU INSPECTION
- 21: CLEAN ALL PLC's
- 22: CLEAN D.O. METERS
- 23: CHECK CLARIFIER OIL WEEKLY
- 24: INSTALL DO ANALYZER
- 25: CALIBRATE FLOWMETER

CITY OF DURANT WASTEWATER TREATMENT PLANT MONTHLY OPERATION REPORT

MONTH OF

DAY	DATE	WEATHER		FLOW		PUMPS		INFLUENT DATA				SLUDGE		SBR DATA				DMR						
		RAINFALL (in.)	Lo AIR TEMP	INFLUENT (MGD)	EFFLUENT (MGD)	RAW PUMP ONLINE	EFFLUENT PUMP ONLINE	pH	SETTLABLE SOLIDS ml / L	Head work's BOD ₅	Over the Weirs BOD ₅	TSS	FEED SLUDGE (GPD)	GBT ONLINE	REACTOR #1 SETTLEABILITY	REACTOR #2 SETTLEABILITY	REACTOR #3 SETTLEABILITY	REACTOR #4 SETTLEABILITY	D.O. mg/L	pH	TSS mg/L	AMMONIA mg/L	CBOD ₅	FECAL COLIFORM #cfu/100ml
F	9/1/17		68	2.3	2.1	1	4						20852	58725					8.5	8.6				
S	9/2/17			2.3	2.1	1	4						21024						8.5	8.6				
S	9/3/17			2.3	2.0	1	4						19262						8.5	8.4				
M	9/4/17			2.3	2.1	1	4						20405						8.0	8.0				
T	9/5/17			2.2	2.0	1	4	7.6	38				21114	58279	600	400	450	650	7.6	7.5				3
W	9/6/17			2.3	2.0	1	4	7.7	20	130	160	80	19802	60429	600	450	500	650	8.8	8.0	5.1	0.2	2.1	12
T	9/7/17			2.2	2.0	1	4	7.8	1				19705	58250	600	450	500	550	8.4	8.1				
F	9/8/17			2.2	1.9	1	4						20386	53326					7.6	8.6				
S	9/9/17			2.1	2.0	1	4						19727						7.6	8.6				
S	9/10/17			2.0	1.9	1	4						19790						7.6	8.6				
M	9/11/17			2.4	2.1	1	4	7.2	7				20313	53242	550	500	600	600	7.5	7.7				
T	9/12/17			2.3	2.0	1	4	7.7	3				20100	55385	550	650	700	500	7.2	7.5				
W	9/13/17			2.1	1.9	1	4	7.7	5	80.6	88.2	80	20052	50555	700	500	650	550	7.1	8.1	2.5	0.2	2.0	1
T	9/14/17			2.2	2.0	1	4	7.2	10				22150	44813					8.9	7.7				0
F	9/15/17			2.2	2.0	1	4	7.3	35				20842	52346					7.6	7.6				
S	9/16/17			2.1	1.9	1	4						21214						7.5	7.7				
S	9/17/17			2.1	2.0	1	4						20882						7.2	7.5				
M	9/18/17			2.2	1.9	1	4	7.3	35				21106	52095	700	700	600	500	7.2	7.5				
T	9/19/17			2.2	2.0	1	4	7.2	7				20008	50124	700	700	600	400	7.6	7.5				21
W	9/20/17			2.1	2.0	1	4	7.3	7	161	158	184	22407	52453	700	600	550	400	7.5	7.5	2.5	0.2	2.0	3
T	9/21/17			2.0	1.8	1	4	7.3	7				19771	51953					7.6	7.6				
F	9/22/17			2.1	1.8	1	4	6.9	7				20913	50089					7.6	7.5				
S	9/23/17			2.0	1.8	1	4						21170						7.5	7.7				
S	9/24/17			2.1	1.9	1	4						20032						7.6	7.5				
M	9/25/17			2.1	1.9	1	4	7.2	45				21251	53132	750	500	500	400	7.7	7.6				
T	9/26/17			2.2	1.9	1	4	7.4	7				21367	53345	650	600	500	500	7.6	7.5				30
W	9/27/17			2.1	1.8	1	4	7.4	6	131	80.2	88	20189	53803	650	600	500	500	7.7	7.6	2.5	0.2	2.0	
T	9/28/17			2.0	1.7	1	4	7.2	4				20528	53162					7.6	7.5				100
F	9/29/17			2.1	1.7	1	4	7.2	10				20539	47361					7.7	7.5				
S	9/30/17			1.9	1.7	1	4						20483						7.6	7.7				



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

9/1/17 to 9/30/17

Tests Processed

<u>79</u>	Bac-t's
<u>84</u>	BOD's
<u>20</u>	TSS's
<u>27</u>	NH3's
<u>0</u>	DO's
<u>37</u>	Ph's
<u>48</u>	Fecal Coliforms (May 1 st – Sept. 30 th)
<u>2</u>	FOG'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
- Pretreatment

Process Water and Sludge Flow Report

September 2017

Date	Influent Flow (MG)	Drain Lift Station Flow (MG)	Casino Lift Station Flow (MG)	Combined Infl (MG)	Effluent Flow (MG)	GBT #1 Flow (KG)	GBT #2 Flow (KG)	Sludge Flow Digester #1 (KG)	Sludge Flow Digester #2 (KG)
9/1/2017	2.004	0.069	0.272	2.345	2.109	58.725	0.000	10.626	10.226
9/2/2017	1.939	0.027	0.340	2.305	2.104	0.000	0.000	10.686	10.338
9/3/2017	1.902	0.032	0.343	2.277	2.039	0.000	0.000	9.649	9.613
9/4/2017	1.977	0.026	0.292	2.295	2.128	0.000	0.000	10.195	10.210
9/5/2017	1.942	0.079	0.202	2.222	1.986	58.279	0.000	10.837	10.277
9/6/2017	2.045	0.072	0.204	2.320	2.035	60.429	0.000	9.592	10.210
9/7/2017	1.968	0.075	0.182	2.225	1.997	58.250	0.000	10.160	9.545
9/8/2017	1.870	0.072	0.258	2.200	1.850	53.326	0.000	10.028	10.358
9/9/2017	1.841	0.026	0.304	2.171	1.959	0.000	0.000	9.466	10.261
9/10/2017	1.841	0.026	0.304	2.171	1.959	0.000	0.000	9.466	10.261
9/11/2017	2.107	0.072	0.194	2.373	2.067	53.242	0.000	10.044	10.269
9/12/2017	2.002	0.072	0.187	2.261	2.034	55.385	0.000	9.872	10.228
9/13/2017	1.881	0.072	0.181	2.135	1.877	50.555	0.000	9.757	10.295
9/14/2017	1.934	0.059	0.246	2.239	1.965	44.813	0.000	11.214	10.936
9/15/2017	1.813	0.074	0.267	2.154	1.973	52.346	0.000	10.561	10.263
9/16/2017	1.801	0.027	0.292	2.120	1.933	0.000	0.000	10.861	10.353
9/17/2017	1.801	0.027	0.292	2.120	1.933	0.000	0.000	10.861	10.353
9/18/2017	1.895	0.063	0.204	2.162	1.872	52.095	0.000	10.754	10.352
9/19/2017	1.995	0.061	0.187	2.243	2.009	50.124	0.000	10.232	9.776
9/20/2017	1.852	0.066	0.203	2.122	1.970	52.453	0.000	11.189	11.218
9/21/2017	1.795	0.063	0.200	2.059	1.833	51.953	0.000	9.913	9.858
9/22/2017	1.758	0.063	0.283	2.103	1.849	50.089	0.000	10.560	10.353
9/23/2017	1.700	0.026	0.315	2.040	1.805	0.000	0.000	10.824	10.346
9/24/2017	1.857	0.026	0.246	2.128	1.917	0.000	0.000	10.314	9.718
9/25/2017	1.878	0.075	0.202	2.155	1.941	53.132	0.000	10.902	10.349
9/26/2017	1.901	0.073	0.181	2.155	1.946	53.345	0.000	11.018	10.349
9/27/2017	1.665	0.064	0.197	1.926	1.756	53.803	0.000	9.946	10.243
9/28/2017	1.722	0.069	0.202	1.993	1.742	53.162	0.000	10.162	10.366
9/29/2017	1.628	0.058	0.246	1.932	1.746	47.361	0.000	10.164	10.375
9/30/2017	1.588	0.024	0.309	1.921	1.723	0.000	0.000	10.141	10.342

Monday, October 02, 2017

Sum	55.902	1.637	7.334	64.873	58.055	1062.868	0.000	309.993	307.639
Avg	1.863	0.055	0.244	2.162	1.935	35.429	0.000	10.333	10.255
Min	1.588	0.024	0.181	1.921	1.723	0.000	0.000	9.466	9.545
Max	2.107	0.079	0.343	2.373	2.128	60.429	0.000	11.214	11.218



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 10/3/2017
To: Utilities Authority
From: Phillip Hightower
Re: Water Treatment Plant Operation Monthly Reports - September 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
September CLO2 Report	Exhibit	10/3/2017
September MOR #1	Exhibit	10/3/2017
September MOR #2	Exhibit	10/3/2017
September Monthly Report	Exhibit	10/3/2017



CHLORINE DIOXIDE AND CHLORITE MONITORING AND REPORTING FORM

1. Public Water System (PWS) Information:

PWSID: OK 1010601

PWS Name: City of Durant

2. Compliance Information:

Water System Facility ID: 1010601

Plant Name: Durant Water Plant

Month: SEPT Year: 2017

3. Analytical Results & Summary Information:

Entry Point Monitoring			<u>Chlorine Dioxide Daily Monitoring (Summary Type: CLO2)</u>					
Day	ClO ₂ (mg/L)	Chlorite (mg/L)						
1	0.14	0.47	Number of Samples Required:					
2	0.1	0.33	Number of Samples Collected:		30			
3	0.21	0.61	Was All Chlorine Dioxide Monitoring & Reporting Completed?		Yes / No			
4	0.11	0.38	Number of ClO ₂ samples exceeded the MRDL of 0.8 mg/L?		0			
5	0.2	0.38	If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.					
6	0.18	0.47	<u>Chlorite Daily Monitoring (Summary Type: CLO2)</u>					
7	0.19	0.66	Number of Samples Required:					
8	0.09	0.71	Number of Samples Collected:		30			
9	0.11	0.61	Was All Chlorite Monitoring & Reporting Completed?		Yes / No			
10	0.27	0.71	Number of Chlorite samples exceeded the MCL of 1.0 mg/L?					
11	0.14	0.57	If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.					
12	0.17	0.42	* If you didn't use Chlorine Dioxide for disinfection any day this month, please mark "n/a" in that day's box to prevent a Monitoring violation.					
13	0.2	0.61						
14	0.16	0.38						
15	0.1	0.52	Routine Chlorite Monthly Monitoring in Distribution System					
16	0.25	0.57	Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
17	0.12	0.71	Near 1st Customer					
18	0.22	0.85	Avg. Residence Time					
19	0.15	0.76	Max. Residence Time					
20	0.19	0.76	Monitoring Period Average:					
21	0.13	0.66	Mark (X) if analytical results were reported electronically: _____ - If the arithmetic average of any three sample set exceeds the Chlorite MCL (1.0 mg/L), the system is in violation of the MCL. - If more than one three-sample set was collected, attach additional copies of this form.					
22	0.23	0.52						
23	0.17	0.66						
24	0.14	0.66	Signature of owner or operator: _____ Date: _____					
25	0.09	0.57						
26	0.13	0.76						
27	0.1	0.71	Operator License Number _____					
28	0.14	0.76						
29	0.16	0.8						
30	0.17	0.76						
31								

Send all documents to:

Joe Keeble
Disinfection Byproducts Compliance Coordinator
Water Quality Division, DEQ
P.O. Box 1677
Oklahoma City, Oklahoma 73101-1677

DEQ Form # 630-577D
 Revision 06/01/2009

Mail **original** before the 10th of the following month
to the Department of Environmental Quality, Water Quality Division
P. O. Box 1677, Oklahoma City, OK 73101-1677

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS

Durant City Utilities Authority

PO Box 578

Durant OK

74702

Plant: Durant Water Treatment F

PWSID: 1010601

Month: September 2017

Population: 19,491

System

Address

City

ZIP

DAY	WATER TREATED	FILTER OPERATION								WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS.										ALKALINITY						pH			CaCO3 STABILITY Method:	HARDNESS (ppm)			Chlorite residual	Chlorite lbs/day	REMARKS
		FILTERS USED-HOURS									ALUM	LIME	POLYMER Name:	CARBON NAOH	OTHER Name: NH2SIF6	OTHER Name: copper sul	CHLORINE		"P"		TOTAL AM		CLO2 Residual		TOTAL PM		pH				AM	FILT	FILT			
																	PRE	POST																		
1	4,267	24	24	24	24	24	24	23	23	80	1700	0	50	0	0	0	0	90	70			232	204		0.14	222	218	8	7.3	7.3	220	248	220	0.47	320	
2	4,653	23	24	24	23	24	24	24	24	80	1600	0	50	0	0	0	0	100	100			248	222		0.1	230	226	8.2	7.3	7.4	216	244	246	0.33	320	
3	4,734	24	24	24	24	23	23	24	24	60	1700	0	50	0	0	0	0	100	80			246	226		0.21	250	224	8	7.4	7.2	222	238	234	0.61	320	
4	4,771	24	23	23	24	24	24	24	24	70	1900	0	50	0	0	0	0	100	90			250	222		0.11	226	214	8	7.3	7.3	216	240	238	0.38	320	
5	4,928	24	24	24	24	24	24	23	23	70	1700	0	50	0	0	0	0	100	90			254	222		0.2	250	232	8.1	7.5	7.4	220	250	246	0.38	320	
6	4,989	23	24	24	23	24	24	24	24	70	1900	0	50	0	0	0	0	120	100			252	212		0.18	256	228	8.1	7.4	7.4	212	260	240	0.47	340	
7	4,882	24	24	24	24	23	23	24	24	60	1800	0	50	0	0	0	0	80	80			264	232		0.19	250	236	8.1	7.5	7.4	234	260	260	0.66	340	
8	4,993	24	23	23	24	24	24	24	24	80	1800	0	50	0	0	0	0	90	90			268	242		0.09	264	234	8	7.3	7.3	238	270	262	0.71	340	
9	4,921	24	24	24	24	24	24	23	23	80	1800	0	50	0	0	0	0	100	100			262	234		0.11	246	224	8.2	7.5	7.4	236	262	260	0.61	340	
10	4,997	23	24	24	23	24	24	24	24	70	2000	0	50	0	0	0	0	80	80			254	228		0.27	248	220	8.2	7.5	7.3	226	266	264	0.71	340	
11	4,886	24	24	24	24	23	23	24	24	70	1700	0	50	0	0	0	0	100	80			260	232		0.14	250	230	8.1	7.4	7.4	254	266	262	0.57	340	
12	4,881	24	23	23	24	24	24	24	24	70	1800	0	50	0	0	0	0	100	100			262	224		0.17	270	222	8.1	7.4	7.4	240	264	258	0.42	340	
13	4,994	24	24	24	24	24	24	23	23	80	1900	0	50	0	0	0	0	100	80			256	230		0.2	266	234	8.2	7.4	7.5	240	260	250	0.61	340	
14	5,016	23	24	24	23	24	24	24	24	72	1800	0	50	0	0	0	0	100	80			264	244		0.16	246	230	8.2	7.5	7.4	244	266	262	0.38	340	
15	4,978	24	24	24	24	23	23	24	24	72	1700	0	50	0	0	0	0	100	90			268	240		0.1	240	230	8.1	7.5	7.4	240	268	260	0.52	340	
16	4,878	24	23	23	24	24	24	24	24	70	2500	0	50	0	0	0	0	80	80			260	232		0.25	252	226	8.1	7.5	7.5	232	268	262	0.57	340	
17	5,191	24	24	24	24	24	24	23	23	80	1800	0	50	0	0	0	0	100	90			248	240		0.12	254	230	8	7.4	7.3	234	280	266	0.71	340	
18	5,431	23	24	24	23	24	24	24	24	70	2000	0	50	0	0	0	0	110	90			256	232		0.22	248	226	8	7.6	7.4	250	244	256	0.85	300	
19	5,820	24	24	24	24	23	23	24	24	70	2000	0	50	0	0	0	0	100	100			256	232		0.15	256	236	7.9	7.4	7.4	248	264	258	0.76	360	
20	5,660	24	23	23	24	24	24	23	23	150	1800	0	50	0	0	0	0	100	120			248	224		0.19	256	228	8	7.5	7.4	228	264	260	0.76	350	
21	4,838	23	24	24	23	24	24	24	24	80	1600	0	50	0	0	0	0	80	60			248	230		0.13	244	224	8.1	7.7	7.4	226	256	258	0.66	340	
22	4,899	24	24	24	24	24	24	24	24		1500	0	50	0	0	0	0	100	110			258	232		0.23	242	234	8.2	7.7	7.3	234	282	256	0.52	300	
23	4,652	24	23	23	24	23	23	24	24	158	1500	0	50	0	0	0	0	80	90			256	228		0.17	248	232	8.1	7.5	7.7	228	258	260	0.66	300	
24	4,826	23	24	24	23	24	24	23	23	160	1600	0	50	0	0	0	0	70	70			254	228		0.14	242	223	8	7.4	7.6	232	270	264	0.66	300	
25	4,787	24	24	24	24	24	24	24	24		1600	0	50	0	0	0	0	100	100			252	230		0.09	240	230	8	7.4	7.6	230	252	250	0.57	300	
26	4,827	24	24	24	24	23	23	24	24	60	1600	0	50	0	0	0	0	80	80			252	232		0.13	254	236	7.8	7.6	7.5	236	250	244	0.76	300	
27	4,795	24	23	23	24	24	24	24	24	70	1500	0	50	0	0	0	0	80	100			252	236		0.1	258	238	8.1	7.7	7.5	232	276	252	0.71	300	
28	5,123	24	24	24	24	24	24	23	23	70	1600	0	50	0	0	0	0	70	110			266	238		0.14	250	232	8.1	7.7	7.2	242	254	250	0.76	340	
29	5,196	23	24	24	23	24	24	24	24	72	1700	0	50	0	0	0	0	70	110			256	232		0.16	248	227	8	7.6	7.8	240	256	250	0.8	325	
30	5,065	24	24	24	24	23	23	24	24	70	2100	0	50	0	0	0	0	60	100			250	222		0.17	234	230	8	7.5	7.4	230	262	262	0.76	325	
31																																				
TOT	148878	712	712	712	712	712	712	712	712	2262	53200		1500					2740	2720			7652	6882		4.76	7440	6854	242	224	223	6980	7798	7610	18.34	9820	
Avg	4963	24	24	24	24	24	24	24	24	75	1773		50.00					91	91			255	229		0	248	228	8.1	7.5	7.4	232.7	260	254	0.611	#####	

Power Costs	\$25,806.14
Labor Costs	\$30,110.25
Chemicals	\$16,372.91
Supplies	\$424.83
Repairs	\$1,365.56
TOTAL	\$74,079.69

Cost per thousand Gallons \$ 0.49

Ave. Rate of Wash (Vert. in/min.)

Ave Wash Period (Minutes)

% Wash Water Used 1.52%

Ave. Head Loss for Washing

I hereby certify the above to be correct
to the best of my knowledge.

Signed

Title

DEQ Form # 630-577A
Revised 9/1/2000

Oper. Cert. No. B 90404

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS**

System

Address

City

ZIP

PWSID: 1010601

Population: 19.491

Population:	<u>19,491</u>
--------------------	---------------

☒ Rapid Rate Filter

☐ Slow Sand Filter

☐ Slow Sand Filter	No. OF	% OF TOTAL
	SAMPLES	SAMPLES
TURBIDITY GREATER THAN 0.5 NTU:	0	0%
TURBIDITY GREATER THAN 0.3 NTU:	0	0%
TURBIDITY GREATER THAN 0.1 NTU:	0	0%

TOTAL NO. OF TURBIDITY ANALYSES:	180	
HIGHEST TURBIDITY READING	0.09	◀
NUMBER OF SAMPLES > 1 NTU	0	◀
NUMBER OF SAMPLES > 5 NTU	0	◀
95TH PERCENTILE OF FINISHED WATER TURBIDITY	0.06	◀ NOT REQUIRED
95TH PERCENTILE OF SETTLED WATER TURBIDITY	3.10	◀ NOT REQUIRED
CHLORINE RESIDUAL < 1.0 mg/l LEAVING PLANT (# Samples)		

INDIVIDUAL FILTER TURBIDITY CHECKLIST

1. IS TURBIDITY FROM EACH INDIVIDUAL FILTER RECORDED EVERY 15 MINUTES? ☒ Yes ☐ No

2. DID ANY SINGLE FILTER EXCEED 2.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS?

☒ No, Go to Question 3.

☐ Yes, What date was the filter profile completed?

DID THIS SAME FILTER EXCEED 2.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST MONTH?

☐ No, Go to Question 3.

☐ Yes, Schedule Comprehensive Performance Evaluation (CPE) with DEQ.

3. DID ANY SINGLE FILTER EXCEED 1.0 NTU IN TWO CONSECUTIVE 15 MINUTE PERIODS?

☒ No, Go to Question 4.

☐ Yes, What date was the filter profile completed?

DID THIS SAME FILTER EXCEED 1.0 NTU IN 2 CONSECUTIVE 15-MIN PERIODS DURING THE LAST 2 MONTHS?

☐ No, Go to Question 4.

☒ Yes, What date was the filter self-assessment completed?

4. DID ANY SINGLE FILTER EXCEED 0.5 NTU IN 2 CONSECUTIVE 15-MIN PERIODS AT THE END OF 4 HRS OF OPERATION?

☒ No, You are finished with the checklist.

☐ Yes, What date was the filter profile completed?

*** IF ANY OF QUESTIONS 2 THROUGH 4 ARE CHECKED "YES", YOU MUST**

COMPLETE THE TURBIDITY TRIGGER EVALUATION FORM AND ATTACH TO THIS MOR.

DAY	TURBIDITY									RESIDUAL DISINFECTANT								COMMENTS
	RAW	SET	SET	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	ENTRY POINT TO DISTRIBUTION						DISTRIBUTION		
										12am	4am	8am	12pm	4pm	8pm	SYSTEM		
1	9.07	1.3	2.4	0.04	0.07	0.07	0.05	0.05	0.05	2.22	2.41	2.45	2.45	2.27	2.08	1.39	1.39	
2	13.21	1.7	3.1	0.05	0.04	0.09	0.04	0.04	0.04	2.27	2.31	2.36	2.28	2.14	2.18	1.44	1.51	
3	9.35	1.1	2.4	0.04	0.04	0.04	0.04	0.04	0.04	2.34	2.71	2.70	2.56	2.19	2.28	1.49	2.50	
4	9.05	2	2.5	0.04	0.03	0.03	0.04	0.04	0.04	2.40	2.62	2.66	2.68	2.34	2.34	1.65	1.68	
5	11.36	1.7	2.6	0.05	0.04	0.04	0.03	0.04	0.04	2.54	2.67	2.68	2.54	2.09	1.94	1.77	1.78	
6	10.60	1.7	2.4	0.07	0.04	0.04	0.04	0.04	0.04	2.03	2.42	2.46	2.41	2.14	2.27	2.02	1.76	
7	9.92	2.1	2	0.04	0.04	0.04	0.04	0.04	0.04	2.52	2.82	2.81	2.61	2.21	2.26	2.26	1.75	
8	9.11	1.9	2.5	0.04	0.08	0.03	0.03	0.03	0.03	2.56	2.64	2.77	2.63	2.42	2.40	1.86	0.62	
9	8.72	1.7	2.1	0.03	0.05	0.05	0.03	0.03	0.03	2.54	2.68	2.74	2.30	2.22	2.14	1.91	0.75	
10	9.99	1.7	3	0.07	0.03	0.03	0.03	0.03	0.03	2.49	2.62	2.59	2.53	2.29	2.24	0.71	0.80	
11	10.55	1.8	2.7	0.04	0.03	0.03	0.03	0.03	0.03	2.51	2.73	2.72	2.43	2.19	2.18	2.39	1.96	
12	10.86	1.5	2.5	0.07	0.03	0.03	0.03	0.03	0.03	2.34	2.68	2.65	2.73	2.35	2.28	2.00	0.85	
13	11.52	1.4	2.2	0.06	0.04	0.03	0.03	0.03	0.03	2.43	2.74	2.71	2.51	2.27	2.22	0.80	2.03	
14	12.44	1.8	2.6	0.05	0.03	0.03	0.03	0.03	0.03	2.42	2.57	2.54	2.41	2.39	2.15	0.84	2.05	
15	11.80	1.9	2.5	0.03	0.06	0.04	0.03	0.03	0.03	2.47	2.56	2.61	2.65	2.42	2.18	2.03	0.92	
16	14.92	1.8	2.3	0.03	0.04	0.04	0.03	0.03	0.03	2.49	2.65	2.72	2.68	2.29	2.17	1.00	2.05	
17	9.76	1.7	2.5	0.07	0.04	0.03	0.03	0.03	0.03	2.30	2.41	2.37	2.46	2.49	2.60	1.03	2.03	
18	9.31	1.6	2.6	0.05	0.03	0.03	0.03	0.03	0.03	2.69	2.77	2.75	2.69	2.57	2.51	1.04	1.99	
19	11.51	1.9	3.1	0.04	0.04	0.03	0.03	0.03	0.03	2.64	2.81	2.80	2.66	2.43	2.57	2.08	1.13	
20	13.44	1.6	2.3	0.05	0.03	0.03	0.04	0.04	0.03	2.70	2.77	2.80	2.58	2.68	2.39	1.15	2.10	
21	16.07	1.7	3.3	0.06	0.04	0.04	0.04	0.04	0.04	2.39	2.39	2.89	2.54	2.48	2.28	1.12	2.08	
22	10.00	1.5	2.8	0.04	0.04	0.04	0.04	0.04	0.04	2.40	2.51	2.40	2.50	2.45	2.29	2.07	1.18	
23	9.51	1.4	2.3	0.04	0.05	0.04	0.04	0.04	0.05	2.39	2.50	2.54	2.53	2.39	2.41	1.17	1.92	
24	8.35	1.5	1.7	0.04	0.05	0.04	0.04	0.04	0.05	2.43	2.63	2.64	2.55	2.37	2.28	1.92	1.16	
25	8.00	2.2	2	0.04	0.04	0.04	0.04	0.04	0.04	2.45	2.59	2.61	2.42	2.39	2.31	1.11	1.95	
26	7.49	1.3	3	0.04	0.04	0.04	0.04	0.04	0.04	2.35	2.63	2.57	2.44	2.36	2.35	1.88	1.14	
27	8.05	1.7	2	0.04	0.04	0.04	0.04	0.04	0.04	2.52	2.60	2.61	2.51	2.36	2.54	1.07	1.85	
28	7.55	1.2	2.2	0.05	0.04	0.04	0.04	0.04	0.04	2.58	2.71	2.64	2.62	2.52	2.66	1.81	2.51	
29	8.51	1.1	2.1	0.04	0.04	0.04	0.04	0.04	0.04	2.70	2.73	2.75	2.66	2.27	2.67	1.87	1.07	
30	14.04	2	3.3	0.04	0.04	0.04	0.04	0.04	0.04	2.74	2.75	2.74	2.78	2.56	2.62	1.09	2.11	
31																		



THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule September 2017 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. Ran trash pumps at laggons
16. Started painting hand rails around plant grounds
17. Power washed New Filter building prepping it for painting
18. Worked on southclo2 generator
19. Mowed Plant grounds
20. Weed eated around plant grounds
21. Installed soft start at Cardinal Glass Pump Station
22. Pressure washed New Plant Clarifier prepping it for painting
23. Weed eated at #2 CLO2 sample site
24. Washed 4x4 truck
25. Washed Small truck
26. Training two new employee's
27. Soft Start at Cardinal Glass Pump Station programmed and online
28. Painted bottom of New Plant Filter building
29. painted doors and handrails on New Plant filter building
30. Started pressure washing Old Plant Clarifier,
31. Started pressure washing buildings to prep them for painting
32. Treated 14,887,800 gallons of water

B. Work Planned for January-December

Approx Start/Finish Date

1. Paint buildings and clarifiers and hand rails around plant Time permitting

C. Projects Planned and Requested for Authorization

- A. Upgrade raw pump building at the water plant