

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**

July 11, 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 June 13, 2017

2. Consider Items Removed from Consent

3. Administration

4. Information Items

- a. Presentation for PER Review of Water System (Awaiting Report)
- b. Landfill Information & Reports - June 2017
- c. Waste Water Treatment Plant Report - June 2017
- d. Waste Water Treatment Plant Lab Report - June 2017
- e. Solid Waste Collection Monthly Report - June 2017
- f. Water Plant Monthly Report - June 2017
- g. Water Plant End of the Year Report

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 5:05 p.m. on the 7th day of July, 2017.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 7/2/2017
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of June 13, 2017

Council Information / Action Requested

Approve Regular Meeting Minutes of June 13, 2017.

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

ATTACHMENTS:

Description	Type	Upload Date
Regular Meeting Minutes 6.13.2017	Exhibit	7/2/2017

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 4:42 p.m. on the 9th day of June, 2017.

MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY UTILITIES AUTHORITY OF June 13, 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 6:15 p.m.

ROLL CALL

Present: Trustee Oden Grube	City Attorney Pat Phelps
Trustee Destry Hawthorne	City Manager Tim Rundel
Vice-Chairman Chad Hitchcock	City Clerk Cynthia J. Price
Chairman Jerry Tomlinson	(*denotes partial attendance)

Absent: None

Mayor 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 May 9, 2017

Approved

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

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

2. Consideration Items Removed from Consent

3. Administration

- a. Consider Approval of Motion to File Durant City Utilities Authority FY17/18 Financial Plan with City Council as Beneficiary

Approved

Michelle Hall, Assistant City Treasurer, addressed the authority board and asked for approval to file the Durant City Utilities Authority financial plan with the city council as beneficiary.

Motion was made by Destry Hawthorne and seconded by Chad Hitchcock to approve filing of Durant City Utilities Authority FY 2017-18 Financial Plan as presented. Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

- b. Consider Approval of Request for Authorization to Purchase for Sludge Removal FY 2017/2018 in the amount of \$90,000.00 (RFAP #2017-077)

Approved

Jacque Wilson, Deputy City Manager of Operations, addressed council and answered questions.

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve Request for Authorization to Purchase for sludge removal FY 2017-2018 in the amount of \$90,000 (RFAP #2017-077). Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

- c. Consider Approval of Request for Authorization to Purchase for Equipment Parts and Maintenance FY 2017/2018 in the Amount of \$80,000.00 (RFAP #2017-079)

Approved

Jacque Wilson, Deputy City Manager of Operations, addressed council.

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve Request for Authorization to Purchase for equipment parts and maintenance FY 2017/2018 in the amount of \$80,000. Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

- d. Consider Approval of Request for Authorization to Purchase for Chemical Used at Water Treatment Plant (alum, chlorine, chlorite, caustic, fluoride, and polymer) (RFAP 2017-101)

Approved

Steve Gray, Water Treatment Plant Superintendent, addressed council.

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve Request for Authorization to Purchase for chemicals used at Water Treatment Plant (alum, chlorine, chlorite, caustic, fluoride, and polymer) (RFAP #2017-101). Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

- e. Consider Approval of Request for Authorization to Purchase to Environmental Resource Technologies for Lab Testing (RFAP 2017-102)

Approved

Steve Gray, Water Treatment Plant Superintendent, addressed council.

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve Request for Authorization to Purchase to Environmental Resource Technologies for Lab Testing (RFAP #2017-102). Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

- f. Consider Approval of Request for Authorization to Accurate Environmental Laboratories for Lab Testing for Crypto and E Coli (RFAP 2017-103)

Approved

Steve Gray, Water Treatment Plant Superintendent, addressed council.

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve Request for Authorization to Purchase to Accurate Environmental Laboratories for Lab Testing for Crypto and E Coli (RFAP # 2017-103). Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

- g. Consider Approval of Request for Authorization to Purchase for Southern Oklahoma Regional Disposal, Inc. (SORD) Transfer Disposal Cost (RFAP #2017-076)

Approved

Jacque Wilson, Deputy City Manager of Operations, addressed council.

Motion was made by Destry Hawthorne and seconded by Chad Hitchcock to approve Request for Authorization to Purchase for Southern Oklahoma Regional Disposal, Inc. (SORD) Transfer Disposal Cost (RFAP #2017-076). Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

h. Consider Award of Contract for Utility Bill Printing and Mailing Services

Approved

Donnalla Miller, Deputy City Manager of Administration, addressed council and stated the request for proposal was published two times in the Durant Daily Democrat and was listed on the City of Durant website. Three proposals were received. A committee consisting of employees from utility billing, finance and administration reviewed the proposals and recommend DataProse be awarded the contract.

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to award contract for utility bill printing and mailing services to Data Prose. Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

i. Consider Approval of Contract for Utility Bill Printing and Mailing Services (C-2017-42)

Approved

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve contract for utility bill printing and mailing services (C-2017-42). Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

j. Consider Approval of Request for Authorization to Purchase for Utility Bill Printing and Mailing Services (RFAP# 2017-115)

Approved

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve Request for Authorization to Purchase for utility bill printing and mailing services (RFAP #2017-115). Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

- k. Consider Award of Contract for Utility Collection Service

Approved

Donnalla Miller, Deputy City Manager of Administration, addressed council and stated the request for proposal was published two times in the Durant Daily Democrat and was listed on the City of Durant website. Two proposals were received. A committee consisting of employees from municipal court, finance and administration reviewed the proposals and recommend American Municipal Services be awarded the contract.

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to award contract for utility collection service to American Municipal Services. Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

- l. Consider Approval of Contract for Utility Collection (C-2017-44)

Approved

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve contract for utility collection service. Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

- m. Consider Approval of Request for Authorization to Purchase for Utility Collection Service (RFAP# 2017-117)

Approved

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve Request for Authorization to Purchase for Utility Collection Service (RFAP #2017-117). Motion Passed with the following vote:

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson

4. Information Items

- a. Presentation of a Sample Accounting from Landfill Rolloff Operations

JJ Wilson

- b. Landfill Information & Reports - May 2017

- c. Solid Waste Collection Report May 2017
- d. Water Treatment Plant Monthly Operations Report - May 2017
- e. Waste Water Treatment Plant Monthly Report - May 2017
- f. Waste Water Treatment Plant Lab Report - May 2017

Adjournment

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

Ayes: Grube, Hawthorne, Hitchcock, Tomlinson



The City of Durant

Deputy City Manager of Operations

Memorandum

Date: 6/5/2017
To: Utilities Authority
From: Jacque J. Wilson, Public Works Director
Re: Presentation for PER Review of Water System (Awaiting Report)

Council Information / Action Requested

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



The City of Durant

Solid Waste Landfill

Memorandum

Date: 6/27/2017
To: Utilities Authority
From: Zefe Laborico, Supervisor, Solid Waste
Landfill
Re: Landfill Information & Reports - June 2017

Technical problems prevented uploading of this report. Please check back.

Council Information / Action Requested

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



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 6/30/2017
To: Utilities Authority
From: Terry Condor, Waste Water Treatment Plant
Superintendent
Re: Waste Water Treatment Plant Report - June 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
WWTP June Report 2017	Cover Memo	6/30/2017



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK COMPLETED IN JUNE 2017

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

2 CALL BACK HOURS

TREATED 64.28 MG OF WASTEWATER

PROCESSED 1.110863 MG OF TREATED SLUDGE

B: WORK PLANNED FOR JULY 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



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 6/29/2017
To: Utilities Authority
From: Waste Water Treatment Plant Lab
Re: Waste Water Treatment Plant Lab Report - June 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
WWTP Lab Projects Report June	Cover Memo	6/29/2017



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

Lab Tests Processed

<u>115</u>	Bac-t's
<u>84</u>	BOD's
<u>20</u>	TSS's
<u>14</u>	NH3's
<u>0</u>	DO's
<u>0</u>	Ph's
<u>6</u>	Fecal Coliforms (May 1 st – Sept. 30 th)
<u>0</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

Durant Wastewater Influent & Effluent Results

Date Tested: 6/7/17

BOD INFLUENT (RAW) - 39.4 mg/L

TSS INF. (RAW) - 72 mg/L

AMMONIA NITROGEN INF. (RAW) - 31.8 mg/L

CBOD EFFLUENT (FINISH) - 2.2 mg/L
TSS EFF. (FINISH) - 2.5 mg/L
AMMONIA NITROGEN EFF. (FINISH) - 2.0 mg/L
FECAL COLIFORM EFF. (FINISH) - 4 & 52 CFU/100ml (May 1st – Sept. 30th)
BOD (CHOCTAW INF.)- 127.3 mg/L
TSS (CHOCTAW INF.)- 68 mg/L
AMMONIA NITROGEN (CHOCTAW INF.)- 50.1 mg/L

Date Tested: 6/14/17

BOD INFLUENT (RAW) - 53.5 mg/L
TSS INF. (RAW) - 64 mg/L
AMMONIA NITROGEN INF. (RAW) - 47.3 mg/L
CBOD EFFLUENT (FINISH) - 2.0 mg/L
TSS EFF. (FINISH) - 2.5 mg/L
AMMONIA NITROGEN EFF. (FINISH) - 0.3 mg/L
FECAL COLIFORM EFF. (FINISH) - 1 & 1 CFU/100ml (May 1st – Sept. 30th)
BOD (CHOCTAW INF.)- 87.6 mg/L
TSS (CHOCTAW INF.)- 88 mg/L
AMMONIA NITROGEN (CHOCTAW INF.)- 32.6 mg/L

Date Tested: 6/21/17

BOD INFLUENT (RAW) - 55.6 mg/L
TSS INF. (RAW) - 60 mg/L
AMMONIA NITROGEN INF. (RAW) - 31.2 mg/L
CBOD EFFLUENT (FINISH) - 2.0 mg/L
TSS EFF. (FINISH) - 2.5 mg/L
AMMONIA NITROGEN EFF. (FINISH) - 0.4 mg/L
FECAL COLIFORM EFF. (FINISH) - 0 & 0 CFU/100ml (May 1st – Sept. 30th)
BOD (CHOCTAW INF.)- 108.7 mg/L
TSS (CHOCTAW INF.)- 100 mg/L
AMMONIA NITROGEN (CHOCTAW INF.)- 45.0 mg/L



The City of Durant

Office of the Solid Waste Department

Memorandum

Date: 7/5/2017
To: Utilities Authority
From: Albert Pierce, Solid Waste Superintendent
Re: Solid Waste Collection Monthly Report - June 2017

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 - June 2017	Exhibit	7/5/2017



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE ***June 2017***

A. Work Completed:

1. Hauled 95.64 tons of extra hauling
2. Hauled 151 loads of extra hauling
3. Picked up and delivered 16 sharps
4. Helped with one abatement
5. Cleaned Sunny Side rd.
6. Refurbished 4 dumpsters
- 7.
- 8.

B. Work Planned For July

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 the Water Treatment Plant

Memorandum

Date: 7/6/2017
To: Utilities Authority
From: Phillip Hightower
Re: Water Plant Monthly Report - June 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
Water Plant June Chlorite and CLO2 Report	Cover Memo	7/6/2017
Water Plant June Monthly Operation Report	Cover Memo	7/6/2017
Water Plant June Operation Report	Cover Memo	7/6/2017
Water Plant June Maintenance Report	Cover Memo	7/6/2017



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: June 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	0.18	0.47	Number of Samples Collected:					
3	0.17	0.57	Was All Chlorine Dioxide Monitoring & Reporting Completed? Yes / No					
4	0.15	0.33	Number of ClO ₂ samples exceeded the MRDL of 0.8 mg/L?					
5	0.11	0.47	If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.					
6	0.15	0.52	<u>Chlorite Daily Monitoring (Summary Type: CLO2)</u>					
7	0.17	0.42	Number of Samples Required:					
8	0.14	0.47	Number of Samples Collected:					
9	0.14	0.61	Was All Chlorite Monitoring & Reporting Completed? Yes / No					
10	0.08	0.66	Number of Chlorite samples exceeded the MCL of 1.0 mg/L?					
11	0.14	0.47	If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.					
12	0.13	0.38	* 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	0.14	0.47						
14	0.13	0.52						
15	0.12	0.57	<u>Routine Chlorite Monthly Monitoring in Distribution System</u>					
16	0.1	0.71	Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
17	0.11	0.8	Near 1st Customer					
18	0.13	0.57	Avg. Residence Time					
19	0.16	0.66	Max. Residence Time					
20	0.11	0.19	Monitoring Period Average:					
21	0.22	0.71	Mark (X) if analytical results were reported electronically: _____					
22	0.1	0.8	- 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.					
23	0.17	0.61	- If more than one three-sample set was collected, attach additional copies of this form.					
24	0.17	0.71						
25	0.1	0.61						
26	0.16	0.57						
27	0.14	0.57						
28	0.16	0.61						
29	0.14	0.61						
30	0.15	0.61						
31								

Signature of owner or operator: _____

Date: _____

Operator License Number _____

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

Plant: Durant Water Treatment F
PWSID: 1010601
Month: June 2017
Population: 19,491

Durant City Utilities Authority

PO Box 578

Durant OK

74702

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	OTHER Name: NH2SIF6	OTHER Name: copper sul	CHLORINE		"P"		TOTAL AM		CLO2 Residual		TOTAL PM		pH			AM		FILT															
																		PRE	POST															RAW				FILT	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT
1	3,932	24	23	23	24	24	24	24	24	70	2100	0	50	550	0	0	0	200	100			132	128		0.14	140	116	7.8	7.4	7.5	126	140	138	0.47	350													
2	4,007	23	24	24	23	24	24	24	24	80	2400	0	50	688	0	0	0	240	100			142	120		0.18	140	136	7.8	7.7	7.5	120	158	150	0.47	350													
3	3,892	24	24	24	24	24	24	23	23	100	2200	0	50	1100	0	0	0	200	100			136	130		0.17	142	132	7.8	7.4	7.5	130	142	140	0.57	350													
4	4,385	24	24	24	24	23	23	24	24	70	2000	0	50	1100	0	0	0	200	100			134	120		0.15	140	116	7.6	7.3	7.3	128	146	140	0.33	350													
5	4,116	24	23	23	24	24	24	24	24	70	1800	0	50	825	0	0	0	180	80			136	124		0.11	130	114	7.8	7.4	7.4	124	138	144	0.47	320													
6	4,200	23	24	24	23	24	24	24	24	70	1900	0	50	825	0	0	0	200	80			132	122		0.15	130	118	7.7	7.7	7.5	130	142	130	0.52	350													
7	4,330	24	24	24	24	24	24	23	23	80	2000	0	50	963	0	0	0	210	90			130	124		0.17	132	120	7.6	7.6	7.5	128	130	128	0.42	350													
8	4,577	24	24	24	24	23	23	24	24	60	2100	0	50	825	0	0	0	210	90			136	118		0.14	132	124	7.7	7.6	7.3	126	142	142	0.47	360													
9	4,744	24	23	23	24	24	24	24	24	70	2200	0	50	963	0	0	0	210	90			146	120		0.14	130	116	7.4	7.4	7.4	120	150	150	0.61	380													
10	4,645	23	24	24	24	24	24	24	24	70	2000	0	50	825	0	0	0	200	80			136	124		0.08	130	118	7.6	7.3	7.5	124	132	140	0.66	380													
11	4,658	24	24	24	24	24	24	24	24		1800	0	50	688	0	0	0	220	100			132	124		0.14	140	122	7.6	7.3	7.4	128	142	142	0.47	380													
12	4,894	24	24	24	24	24	24	23	23	70	2200	0	50	1238	0	0	0	240	120			142	124		0.13	146	128	7.6	7.6	7.4	126	132	140	0.38	400													
13	5,202	24	24	24	24	23	23	24	24	60	2300	0	50	825	0	0	0	140	100			140	122		0.14	274	128	7.7	7.4	7.4	124	138	142	0.47	380	switched to Blue River												
14	5,651	23	23	23	23	24	24	24	24	140	1900	0	50	275	0	0	0	120	100			280	210		0.13	270	228	8.1	7.6	7.4	136	276	224	0.52	380													
15	5,780	24	24	24	24	24	24	24	24		1800	0	50	0	0	0	0	120	100			270	240		0.12	274	246	8	7.6	7.5	210	270	268	0.57	380													
16	5,587	24	23	24	24	24	24	23	23	105	2000	0	50	0	0	0	0	140	100			266	240		0.1	276	236	8	7.5	7.5	236	270	262	0.71	380													
17	5,736	24	24	23	24	23	23	24	24	110	1800	0	50	0	0	0	0	140	100			264	250		0.11	268	212	8	7.4	7.4	240	284	270	0.8	380													
18	5,338	23	24	24	23	24	24	24	24	70	1700	0	50	0	0	0	0	120	100			270	250		0.13	264	250	8.1	7.4	7.5	250	274	266	0.57	380													
19	4,907	24	24	24	24	24	24	23	23	70	1600	0	50	0	0	0	0	120	100			258	242		0.16	252	240	8.1	7.5	7.5	240	276	260	0.66	380													
20	4,911	24	24	24	24	23	23	24	24	70	1500	0	50	0	0	0	0	100	80			270	242		0.11	260	244	8.1	7.5	7.5	250	268	262	0.19	360													
21	4,838	24	23	23	24	24	24	24	24	70	1600	0	50	0	0	0	0	100	80			272	234		0.22	276	246	8.2	7.5	7.5	240	272	262	0.71	360													
22	4,487	23	24	24	23	24	24	24	24	70	1600	0	50	0	0	0	0	100	100			270	236		0.1	278	240	8.2	7.5	7.5	242	270	246	0.8	360													
23	4,340	24	24	24	24	24	24	23	23	80	1700	0	50	0	0	0	0	100	100			262	230		0.17	260	246	8.1	7.6	7.5	232	268	260	0.61	360													
24	4,225	24	24	24	24	23	23	24	24	80	1600	0	50	0	0	0	0	100	100			254	228		0.17	264	240	8.2	7.6	7.6	234	256	262	0.71	360													
25	4,939	24	23	23	24	24	24	24	24	70	1400	0	50	0	0	0	0	90	80			266	250		0.1	260	246	8	7.4	7.4	250	268	270	0.61	360													
26	4,748	23	24	24	23	24	24	24	24	70	1700	0	50	0	0	0	0	100	90			252	242		0.16	258	256	7.9	7.6	7.5	240	254	250	0.57	360													
27	4,804	24	24	24	24	24	24	23	23	80	1300	0	50	0	0	0	0	100	80			252	230		0.14	256	238	8.1	7.4	7.5	246	278	264	0.57	340													
28	4,994	24	24	24	24	23	23	24	24	70	1400	0	50	0	0	0	0	100	80			262	230		0.16	264	234	8.1	7.4	7.5	232	260	266	0.61	340													
29	5,438	24	23	23	24	24	24	24	24	70	1700	0	50	0	0	0	0	140	100			254	230		0.14	262	240	8.2	7.5	7.5	250	252	252	0.61	360													
30	5,757	23	24	24	23	24	24	24	24	70	1900	0	50	0	0	0	0	180	100			248	228		0.15	254	240	8	7.4	7.5	232	276	282	0.61	340													
31																																																
TOT	144062	713	713	713	713	713	713	713	713	2165	55200		1500	11690				4620	2820			6244	5612		4.21	6402	5670	237	225	224	5594	6404	6252	16.74	10880													
Avg	4802	24	24	24	24	24	24	24	24	72	1840		50.00	390				154	94			208	187		0	213	189	7.9	7.5	7.5	186.5	213	208	0.558	#####													

Power Costs	\$19,959.56
Labor Costs	\$30,110.25
Chemicals	\$19,101.49
Supplies	\$826.69
Repairs	\$2,352.89
TOTAL	\$72,350.88

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

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

Ave Wash Period (Minutes)

Signed

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

% Wash Water Used

Title

Oper. Cert. No.

Cost per thousand Gallons

Ave. Head Loss for Washing

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

System

Address

City

ZIP

Population:	<u>19,491</u>
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COMPLETE THE TURBIDITY TRIGGER EVALUATION FORM AND ATTACH TO THIS MOR.



THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule June 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. Worked at the lagoons
16. Replaced belt on floccuator
17. Fixed broken handle on toilet
18. Changed out bad valve under sight tube on old alum line
19. Got #4 raw pump and motor ready to be removed
20. Pulled #4 raw pump and motor to sent off and repaired
21. Mowed Plant grounds
22. Weed eated around plant grounds
23. Removed grates in front of #3 and 4 raw pumps and replaced them in opposite order
24. Sprayed around plant grounds
25. Replaced leaking valve in caustic building
26. Fixed alum leak under new plant alum pump
27. Sprayed tree's at lagoons
28. Had light bulb replaced on top of Cardinal Glass tower

B. Work Planned for January-December

1. Pull #2 yard pump
2. Get Osec Running
3. Get fence fixed at Chuckwa Tower

Approx Start/Finish Date

Time permitting
Time permitting
Time permitting

C. Projects Planned and Requested for Authorization

- A. Fencing around Cardinal Glass Tower
- B. Replace altitude valves at 3 towers in town



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 7/6/2017
To: Utilities Authority
From: Phillip Hightower
Re: Water Plant End of the Year Report

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
Water Plant End of the Year Report	Cover Memo	7/6/2017



THE CITY OF DURANT

Office of the Water Treatment Plant

_2017 Yearend Report

A. Projects Completed

- 1) Produced 1,538,273,000 gallons of water
- 2) Used the following chemicals to treat the water
 - a. Alum –547000 lbs.
 - b. Poly –18250 lbs
 - c. Cl2 –73730 lbs
 - d. Fluoride 10550 lbs.
 - e. Chlorites –103610 lbs.
 - f. NAOH –57574 lbs.
 - g. Lime – 0 lbs.
 - h. Copper Sulfate –0 lbs.
- 3) Maintained and operated water treatment plant and performed routine maintenance 24/7
- 4) Average costs per 1,000 gallons of water produced were 0.57 cents including labor, chemicals, utilities and repairs.
- 5) Performed walk thru inspections on daily basis
- 6) Pulled TOC and Chlorites samples for required analysis monthly.
- 7) Pulled HAA5 & THM samples for required analysis quarterly
- 8) Submitted annual Water Rights Permit for Oklahoma resource Board
- 9) Attended the following classes:
 - a. OWPCA certification renewal class
- 10) Passed all lab tests required by EPA and DEQ, costs for analysis of TOC, THM, HAA5, Chlorites, Fluoride, Bac T's, Nitrates, VOCS, Lead and Copper and Radioactive chemicals,UCMR3 samples
- 11) Hired new employee
- 12) Installed new VFD on #3 finished pump at High Service pump station
- 13) Performed up keep on Lake Durant
- 14) Performed yearly inspection on Dam with engineer
- 15) Did a upgrade on the scada system to our off site's from radio's to cellular
- 16) Did dozer work at Lake Durant
- 17) Fixed broken valve on the 24' lake line at the raw pump station
- 18) replaced butterfly valve and valve actuator on #1 filter air scour
- 19) Upgraded the pumps at Cardinal glass pump station they will now do 1400 gpm
- 20) Started cleaning out the lagoons

- 21) Installed new chlorine analyzers at Cardinal Glass tower and Big Lot tower
- 22) Pulled #4 raw pump and motor for repair