

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,**  
**Durant City Hall**  
**AGENDA**

**August 9, 2016**

**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 July 12, 2016

#### **2. Consider Items Removed from Consent**

#### **3. Information Items**

- a. Landfill Information & Reports - July 2016
- b. Solid Waste Collection Report - July 2016
- c. Water Plant Monthly Report - July 2016

#### **4. Administration**

- a. Consider Approval of Request for Authorization to Purchase (RFAP) # 2016-150 for Sludge Removal FY 2016/2017
- b. Consider Approval of Request for Authorization to Purchase (RFAP) # 2016-130) for Solid Waste Disposal Fees FY 2016/2017
- c. Consider Approval of Request for Authorization to Purchase (RFAP # 2016-144) for the Purchase of Transfer Trailer

- d. Consider Approval of Resolution to Adjust the Sanitation Rates for On-Demand Construction and Demolition Waste

**ADJOURNMENT**

**CERTIFICATE**

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 10th day of November, 2015 and that an agenda of said meeting was posted at the place of such meeting at 5:25 p.m. on the 5th day of July, 2016.

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Cynthia J. Price, City of Durant



# The City of Durant

## Office of City Clerk

### Memorandum

**Date:** 7/27/2016  
**To:** Utilities Authority  
**From:** Cynthia J. Price, City Clerk  
**Re:** Consider Approval of Regular Meeting Minutes of July 12, 2016

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#### **Council Information / Action Requested**

Approval of Regular Minutes of July 12, 2016.

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

#### **ATTACHMENTS:**

Description	Type	Upload Date
7.12.2016 Minutes	Exhibit	7/27/2016

Agenda posted on Durant City Hall Entry Door at This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 10th day of November, 2015 and that an agenda of said meeting was posted at the place of such meeting at 4:00 p.m. on the 8th day of July, 2016.

**MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY UTILITIES AUTHORITY OF July 12, 2016 AT 6:00 PM, Roscoe J. Hatfield Council Chambers, Durant City Hall**

**CALL TO ORDER**

Chairman Hoffman called the meeting to order at 7:44 p.m.

**ROLL CALL**

Present: Trustee Chad Hitchcock	City Attorney Pat Phelps
Trustee Billy L. Orr	Acting City Manager Donnalla Miller
Trustee Jerry Tomlinson	City Clerk Cynthia J Price
Vice-Chairman Destry Hawthorne	
Chairman Stewart Hoffman	(*denotes partial attendance)

Absent: None

Chairman Hoffman 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 Minutes of June 14, 2016
- b. Consider Approval of Special Called Minutes of June 21, 2016
- c. Consider Approval of Special Called Minutes of June 29, 2016

Approved

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

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

**2. Consideration Items Removed from Consent**

**3. Information Items**

- a. Landfill Information & Reports
- b. Solid Waste Collection Report June 2016

#### 4. Administration

- a. Consider Approval of Request for Authorization to Purchase Three New Packer Trucks for Solid Waste Collection (Two (2) Rear Load Refuse Packer Trucks and One (1) Automated Side-Load Packer Truck) (RFAP #2016-090)

Approved

Earlene Walker, Finance Manager, addressed council and stated this is a budgeted item.

Motion was made by Jerry Tomlinson and seconded by Chad Hitchcock to approve Request for Authorization to Purchase three (3) new packer trucks for Solid Waste Collection (two (2) rear load refuse packer trucks and one (1) automated side-load packer truck) (RFAP #2016-090). Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

- b. Consider Award of Financing for 2016 (1) Mack Rolloff Truck and Authorize The Durant City Utilities Authority Chairman to Execute Loan Agreement

Approved

An Chen Lai, City Treasurer, addressed council. Ms. Lai recommends financing be awarded to Landmark Bank.

Motion was made by Chad Hitchcock and seconded by Bill Orr to award financing for 2016 (1) Mack Rolloff Truck to Landmark Bank and authorize the Durant City Utilities Authority Chairman to execute the loan agreement. Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

- c. Consider Award Financing for 2016 (2) Ford F-350 Trucks and Authorize The Durant City Utilities Authority Chairman to Execute Loan Agreement

Approved

An Chen Lai, City Treasurer, addressed council. Ms. Lai recommends financing be awarded to First United Bank.

Motion was made by Jerry Tomlinson and seconded by Destry Hawthorne to award financing for 2016 (2) Ford F-350 trucks to First United Bank and authorize the Durant City Utilities Authority Chairman to execute the loan agreement. Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

- d. Consider Award of Financing for One (1) 2017 Mack Automated Refuse Packer Truck and Authorize The Durant City Utilities Authority Chairman to Execute Loan Agreement

Approved

An Chen Lai, City Treasurer, addressed council. Ms. Lai recommends financing be awarded to Landmark Bank.

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to award financing for one (1) 2017 Mack Automated Refuse Packer Truck to Landmark Bank and authorize the Durant City Utilities Authority Chairman to execute the loan agreement. Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

- e. Consider Award of Financing for 2017 (2) Freightliner Rear-Load Trucks and Authorize The Durant City Utilities Authority Chairman to Execute Loan Agreement

Approved

An Chen Lai, City Treasurer, addressed council. Ms. Lai recommends financing be awarded to Landmark Bank.

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to award financing for Two (2) 2017 Freightliner rear-load trucks to Landmark Bank and authorize the Durant City Utilities Authority Chairman to execute loan agreement. Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

- f. Consider Approval of Recommendation by Acting City Manager to Fill

Southern Oklahoma Regional Disposal (SORD) Board Position Vacated  
by Former Landfill Supervisor

Approved

Acting City Manager Donnalla Miller addressed council and recommended Zefe Laborico fill vacated seat on Southern Oklahoma Regional Disposal Board.

Motion was made by Jerry Tomlinson and seconded by Destry Hawthorne to approve recommendation of Acting City Manager for Zefe Laborico to fill vacated seat on Southern Oklahoma Regional Disposal Board. Motion Passed with the following vote:

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson

## **5. New Business**

There was no new business.

## **Adjournment**

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

Ayes: Hawthorne, Hitchcock, Hoffman, Orr, Tomlinson



# The City of Durant

## Solid Waste Landfill

### Memorandum

**Date:** 7/28/2016  
**To:** Utilities Authority  
**From:** Zefe Laborico, Landfill Supervisor, Solid Waste Landfill  
**Re:** Landfill Information & Reports - July 2016

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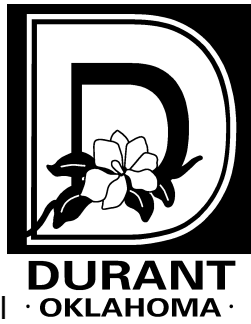
### Council Information / Action Requested

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

#### ATTACHMENTS:

Description	Type	Upload Date
July 2016 Project Schedule	Cover Memo	7/29/2016
July 2016 DEQ Reports	Cover Memo	8/1/2016





# THE CITY OF DURANT

## Office of the Solid Waste Superintendent

### *SOLID WASTE DISPOSAL PROJECTS SCHEDULE* *July 2016*

**A. Work Completed for July:**

1. Expanded Landfill Hours
2. Covered C & D Site
3. Hauled MSW To SORD

**B. Work Planned For August:**

1. Continue Covering C&D site
2. Have new C&D cell 10C inspected and approved
3. Haul MSW To SORD

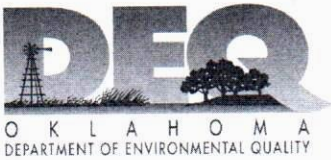
**C. Work Planned For Jan. '16 – Dec. '16:**

**Approx. Start – Finish Date:**

1. Haul trash to Ardmore 1-2016 thru 12-2016

**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:           JULY 2016          

Permit Number:           3507001          

Phone Number:           580-931-6606          

Facility Name: CITY OF DURANT C/D LANDFILL  
 Mailing Address: PO BOX 578  
DURANT, OK 74702-0578

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	41.12									
2	0									
3	0									
4	0									
5	51.6									
6	50.73									
7	68.2									
8	80.3									
9	13.06									
10	0									
11	69.28									
12	28.64									
13	76.28									
14	73.11									
15	55.53									
16	31.23									
17	0									
18	46.5									
19	30.58									
20	48.49									
21	44.73									
22	53.28									
23	48.16									
24	0									
25	56.37									
26	60.08									
27	42.31									
28	42.5									
29	98.16									
30	28.3									
31	0									
<b>Total</b>	<b>1238.54</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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: \_\_\_\_\_



# The City of Durant

## Office of the Solid Waste Department

### Memorandum

**Date:** 8/1/2016  
**To:** Utilities Authority  
**From:** Albert Pierce, Solid Waste Supervisor  
**Re:** Solid Waste Collection Report - July 2016

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#### 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 2016	Cover Memo	8/1/2016



# THE CITY OF DURANT

## Office of the Solid Waste Superintendent

### *SOLID WASTE PROJECTS SCHEDULE* *July*

**A. Work Completed:**

1. Picked up & emptied 206 rolloffs
2. Picked up & emptied 64 compactors
3. Delivered to new customers 7
4. Delivered and picked up 15 Sharp containers
5. Picked up 122.82 tons of extra hauling
6. Hauled 235 loads of extra hauling to the landfill

**B. Work Planned For dec.**

1. replace lids on 2 yd. Dumpsters
2. repair or replace old polycarts

**C. Work Planned For Jan. '15 – Dec. '15:**

**Approx. Start – Finish Date:**

1. Pick up trash 8-1-2016 to 8-31-2016

**D. Projects Planned And Requested For Authorization:**

- 1.



# The City of Durant

## Office of the Water Treatment Plant

### Memorandum

**Date:** 8/2/2016  
**To:** Utilities Authority  
**From:** Phillip Hightower  
**Re:** Water Plant Monthly Report - July 2016

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#### Council Information / Action Requested

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

#### ATTACHMENTS:

Description	Type	Upload Date
July Operation Reports	Cover Memo	8/2/2016
July Operation Reports	Cover Memo	8/2/2016
July Fluoride Reports	Cover Memo	8/2/2016
July Crypto Reports	Cover Memo	8/2/2016
July Crypto Reports	Cover Memo	8/2/2016
July Filter Turbidities	Cover Memo	8/2/2016
July Filter Turbidities	Cover Memo	8/2/2016
July Chlorite and Chlorine Dioxide	Cover Memo	8/2/2016
July Monthly Maintenance Report	Cover Memo	8/2/2016

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

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

Plant: Durant Water Treatment P  
PWSID: 1010601  
Month: July 2016  
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		HARDNESS		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		STABILITY Method:	(ppm)								
		1	2	3	4	5	6	7	8								PRE	POST	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT		RAW	FILT				RAW	FILT		
1	5,159	24	24	24	24	24	24	24	24		2200	0	50	0	0	16	0	60	110			256	228		0.23	250	242	8.1	7.5	7.4	220	264	256	0.57	340	
2	5,197	24	23	24	23	24	24	24	24	80	2100	0	50	0	0	40	0	50	100			256	222		0.12	254	222	8.1	7.5	7.4	232	270	272	0.95	320	
3	5,154	24	24	24	24	24	23	24	23	70	1900	0	50	0	0	40	0	40	100			254	228		0.1	246	226	8	7.5	7.4	228	250	264	0.66	320	
4	5,145	23	24	23	24	24	24	24	24	70	1900	0	50	0	0	29	0	0	130			252	236		0.14	240	230	8.1	7.4	7.4	230	256	260	0.8	320	
5	5,344	24	24	24	24	23	24	23	24	70	2000	0	50	0	0	30	0	0	120			260	240		0.11	258	230	8.1	7.5	7.5	230	260	242	0.76	340	
6	5,370	24	24	24	24	24	24	24	24		1600	0	50	0	0	43	0	0	100			264	240		0.11	260	240	8.1	7.64	7.5	240	250	260	0.71	360	
7	5,748	24	23	24	23	24	24	24	24	70	2000	0	50	0	0	27	0	0	120			240	230		0.12	252	238	8.19	7.68	7.6	232	260	252	0.081	360	
8	5,935	24	24	24	24	24	23	24	23	70	2100	0	50	0	0	40	0	0	150			272	228		0.17	260	232	8.16	7.59	7.5	236	260	260	0.76	370	
9	5,687	23	24	23	24	24	24	24	24	80	3200	0	50	0	0	30	0	140	100			264	244		0.14	250	230	8.2	7.5	7.7	244	264	264	0.76	370	
10	4,618	24	24	24	24	23	24	23	23	70	5100	0	50	0	0	45	0	140	100			90	248		0.18	108	200	7.8	7.5	7.5	244	116	260	0.95	350	
11	4,732	24	24	24	24	24	24	24	24		3700	0	50	0	0	30	0	160	120			160	100		0.19	184	84	7.5	6.9	6.87	210	180	110	0.85	350	
12	5,490	24	23	24	23	24	24	24	24	70	4000	0	50	0	0	21	0	200	120			220	120		0.16	246	148	8	6.8	7.1	130	232	190	0.57	350	
13	5,769	24	24	24	24	24	23	24	23	70	3200	0	50	0	0	54	0	150	130			254	198		0.1	260	204	8.1	7.2	7.3	176	260	248	0.23	350	
14	5,945	23	24	23	24	24	24	24	24	70	2500	0	50	0	0	41	0	140	120			260	212		0.13	262	220	8.2	7.4	7.4	204	260	244	0.23	370	
15	5,785	24	24	24	24	23	24	23	24	78	2300	0	50	0	0	39	0	120	110			254	220		0.16	258	224	8.2	7.5	7.6	214	254	260	0.52	370	
16	5,301	24	23	24	24	24	24	24	24	40	2000	0	50	0	0	42	0	110	90			246	220		0.11	240	220	8.2	7.5	7.5	214	250	258	0.52	370	
17	5,064	24	24	24	23	24	24	24	24	35	1700	0	50	0	0	31	0	100	80			248	232		0.14	254	228	8	7.4	7.4	234	252	250	0.42	370	
18	5,392	24	24	24	24	24	23	24	23	70	1900	0	50	0	0	1	0	120	100			254	232		0.15	248	232	8.1	7.5	7.4	236	258	258	0.52	370	
19	5,818	23	24	23	24	24	24	24	24	70	2000	0	50	0	0	48	0	120	120			244	234		0.08	256	238	8.1	7.4	7.5	234	250	248	0.52	370	
20	5,786	24	24	24	24	23	24	23	24	70	2100	0	50	0	0	46	0	120	100			248	230		0.1	252	236	8.1	7.5	7.5	228	260	250	0.71	370	
21	6,042	24	23	24	23	24	24	24	24	80	2200	0	50	0	0	41	0	120	120			250	230		0.13	242	220	8.1	7.5	7.6	226	252	248	0.57	370	
22	6,673	24	24	24	24	24	24	24	24		2700	0	50	0	0	35	0	140	140			248	216		0.11	246	220	7.4	7.6	7.5	224	254	254	0.61	370	
23	6,173	23	24	23	24	24	23	24	23	160	2100	0	50	0	0	34	0	130	130			254	228		0.19	234	216	8.1	7.4	7.5	228	250	250	0.61	350	
24	5,946	24	24	24	24	23	24	23	24	90	1900	0	50	0	0	43	0	110	110			250	230		0.07	234	218	8.1	7.5	7.5	228	240	248	0.57	350	
25	5,425	24	24	24	24	24	24	24	24		1900	0	50	0	0	35	0	110	110			244	228		0.11	238	212	8.1	7.6	7.5	224	244	242	0.47	350	
26	4,896	24	24	24	24	24	24	24	24		1400	0	50	0	0	30	0	100	80			250	228		0.09	238	222	8.1	7.6	7.5	226	242	246	0.47	350	
27	4,869	24	23	24	23	24	24	24	24	70	1600	0	50	0	0	8	0	100	100			232	216		0.1	244	220	8.1	7.6	7.6	224	230	242	0.28	350	
28	4,615	23	24	23	24	24	23	24	23	145	1400	0	50	0	0	28	0	100	100			238	218		0.09	250	224	8.2	7.5	7.4	212	244	240	0.47	350	
29	5,240	24	24	24	24	23	24	23	24	70	1500	0	50	0	0	27	0	100	100			244	220		0.17	246	226	8.2	7.7	7.5	216	244	238	0.47	350	
30	5,089	24	24	24	24	24	24	24	24		1700	0	50	0	0	50	0	100	100			240	220		0.13	236	212	8.2	7.6	7.5	214	248	250	0.47	350	
31	4,726	24	23	24	23	24	24	24	24	70	1400	0	50	0	0	35	0	100	100			236	232		0.1	232	200	8	7.4	7.4	224	236	236	0.52	350	
TOT	168133	738	738	738	737	738	738	738	737	1838	69300		1550			1059		2980	3410			7482	6808		4.03	7478	6714	250	231	231	6862	7590	7600	17.6	10980	
Avg	5424	24	24	24	24	24	24	24	24	59	2235		50.00			34.16		96	110			241	220		0	241	217	8.1	7.5	7.5	221.4	245	245	0.568	#####	

Power Costs	\$21,552.23
Labor Costs	\$30,110.25
Chemicals	\$16,347.79
Supplies	\$200.00
Repairs	\$218.98
<b>TOTAL</b>	<b>\$68,429.25</b>

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

Ave Wash Period (Minutes)

% Wash Water Used

Ave. Head Loss for Washing

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

Signed Steve Gray

Title Water Treatment Plant Supervisor

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

Oper. Cert. No. B 6824

Cost per thousand Gallons \$



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

Durant City Utilities Authority  
System

PO Box 578  
Address

Durant  
City

74702  
ZIP

Plant: Durant Water Treatment Plant  
PWSID: 1010601  
Month: July 2016  
Population: 19,491

- Rapid Rate Filter  
 Slow Sand Filter

No. OF SAMPLES      % OF TOTAL SAMPLES

TURBIDITY GREATER THAN 0.5 NTU:	<b>0</b>	<b>0%</b>	◀
TURBIDITY GREATER THAN 0.3 NTU:	<b>0</b>	<b>0%</b>	◀
TURBIDITY GREATER THAN 0.1 NTU:	<b>4</b>	<b>2%</b>	

TOTAL NO. OF TURBIDITY ANALYSES: **186**

HIGHEST TURBIDITY READING	<b>0.14</b>	◀
NUMBER OF SAMPLES > 1 NTU	<b>0</b>	◀
NUMBER OF SAMPLES > 5 NTU	<b>0</b>	◀
95TH PERCENTILE OF FINISHED WATER TURBIDITY	<b>0.09</b>	◀ NOT REQUIRED
95TH PERCENTILE OF SETTLED WATER TURBIDITY	<b>3.49</b>	◀ 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	15.38	1.3	3.2	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.29	2.44	2.50	2.22	2.12	2.23	1.04	2.40	
2	17.02	2.1	2.6	0.03	0.03	0.03	0.03	0.03	0.03	0.03	2.39	2.42	2.48	2.36	2.24	2.23	1.89	1.06	
3	15.40	1.4	3	0.08	0.03	0.03	0.03	0.04	0.04	0.04	2.29	2.45	2.40	2.39	2.26	2.15	1.63	1.37	
4	15.60	1.2	2.1	0.05	0.03	0.03	0.03	0.03	0.04	0.04	2.19	2.35	2.26	2.40	2.39	2.32	1.63	1.92	
5	16.47	1.2	2.4	0.04	0.04	0.04	0.04	0.04	0.05	0.05	2.30	2.45	2.24	2.23	2.23	2.24	1.67	1.96	
6	18.39	1.8	3	0.05	0.05	0.05	0.05	0.05	0.05	0.05	2.23	2.18	2.07	2.13	2.13	2.12	1.49	1.86	
7	17.45	2.1	3.2	0.10	0.06	0.06	0.05	0.05	0.05	0.05	2.14	2.16	2.05	2.31	2.33	2.34	1.41	1.10	
8	21.96	2.2	2.3	0.06	0.08	0.06	0.05	0.05	0.05	0.05	2.34	2.34	2.42	2.21	2.39	2.39	2.10	1.09	
9	25.77	1.6	2.3	0.06	0.08	0.07	0.08	0.09	0.10	0.10	2.32	2.41	2.44	2.33	2.27	2.13	1.62	1.89	
10	17.39	3.5	3.1	0.10	0.10	0.12	0.14	0.12	0.13	0.13	2.07	2.02	2.23	2.20	2.07	1.72	1.38	1.14	
11	83.71	1.3	1.5	0.08	0.08	0.07	0.07	0.07	0.07	0.07	1.65	1.80	1.97	2.31	2.24	2.22	1.32	1.17	
12	30.11	1.1	2.8	0.06	0.05	0.04	0.04	0.04	0.04	0.04	2.39	3.18	3.24	2.89	2.60	2.88	0.95	0.99	
13	31.98	1.2	3	0.04	0.04	0.03	0.03	0.03	0.04	0.04	3.11	3.41	3.45	2.82	2.34	2.63	1.84	1.10	
14	25.54	1.1	3	0.04	0.03	0.03	0.03	0.03	0.03	0.03	3.01	3.22	3.15	2.78	2.44	2.48	0.96	2.74	
15	22.48	1.6	3.3	0.03	0.03	0.07	0.03	0.04	0.04	0.04	2.80	2.90	3.02	2.86	2.56	2.33	0.95	2.65	
16	20.30	1.8	3.9	0.03	0.03	0.03	0.04	0.04	0.04	0.04	2.70	2.89	2.93	2.84	2.41	2.12	1.10	1.14	
17	17.53	2	3.8	0.04	0.03	0.03	0.03	0.04	0.04	0.04	2.31	2.61	2.63	2.39	2.30	2.15	1.90	1.20	
18	14.58	2	2.5	0.04	0.03	0.03	0.04	0.04	0.04	0.04	2.34	2.68	2.67	2.53	2.01	2.46	1.70	1.20	
19	26.64	1.2	2.3	0.06	0.04	0.04	0.04	0.04	0.04	0.04	2.46	2.63	2.66	2.30	2.11	2.19	1.61	1.46	
20	16.83	1.5	2	0.06	0.04	0.04	0.04	0.04	0.04	0.04	2.46	2.66	2.65	2.47	2.15	2.13	1.60	1.07	
21	15.18	1.5	2.4	0.04	0.04	0.04	0.04	0.04	0.09	0.09	2.13	2.60	2.60	2.48	2.27	2.02	1.68	2.00	
22	16.06	2.3	2.2	0.04	0.04	0.04	0.04	0.04	0.04	0.04	2.20	2.38	2.52	1.93	2.08	2.30	1.79	2.40	
23	23.69	1.7	2.9	0.04	0.05	0.05	0.04	0.04	0.04	0.04	2.54	2.60	2.69	2.35	2.18	2.30	1.66	1.59	
24	11.62	2	3.3	0.04	0.04	0.04	0.04	0.04	0.04	0.04	2.43	2.51	2.54	2.37	2.15	2.14	1.54	2.19	
25	9.88	1.6	4	0.04	0.04	0.04	0.05	0.05	0.04	0.04	2.21	2.36	2.37	2.46	2.46	2.05	1.50	1.40	
26	9.52	1.8	2.4	0.05	0.05	0.05	0.05	0.05	0.05	0.05	2.17	2.30	2.54	2.28	2.08	2.05	1.44	1.36	
27	14.58	1.6	2.2	0.05	0.05	0.05	0.05	0.05	0.05	0.05	2.17	2.36	2.26	2.27	2.16	2.21	1.60	1.89	
28	10.24	1.8	2.6	0.05	0.05	0.05	0.05	0.06	0.06	0.06	2.30	2.65	2.68	2.65	2.52	2.25	1.38	2.27	
29	12.33	1.7	2.6	0.05	0.05	0.05	0.05	0.05	0.06	0.06	2.63	2.66	2.69	2.77	2.06	2.13	2.00	1.27	
30	10.42	1.4	2.3	0.04	0.04	0.04	0.04	0.05	0.05	0.05	2.42	2.46	2.48	2.40	2.23	2.32	1.33	1.35	
31	<b>9.47</b>	1.5	2.3	0.04	0.04	0.04	0.04	0.05	0.05	0.05	2.41	2.49	2.50	2.26	2.20	2.16	1.29	1.29	

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

PWSID 1010601 SYSTEM Durant Ok (SW) MONTH July  
 Type of Material Applied\* Sodium Silicofluoride Year 2016

Date	Water Treated (1000s of Gallons)	Applied		Residual Fluoride (F), ppm			
		lbs.	PPM of F	Raw		Distribution	
				(1)	(2)	(1)	(2)
1	5159	16	0.2	0.0	0.0	0.3	0.3
2	5197	40	0.5	0.0	0.0	0.3	0.1
3	5154	40	0.5	0.0	0.0	0.3	0.5
4	5145	29	0.4	0.0	0.0	0.3	0.3
5	5344	30	0.4	0.0	0.1	0.5	0.3
6	5370	43	0.5	0.0	0.1	0.2	0.4
7	5748	27	0.3	0.0	0.0	0.7	0.3
8	5935	40	0.4	0.0	0.0	0.8	0.3
9	5687	30	0.3	0.0	0.1	0.6	0.4
10	4618	45	0.6	0.0	0.0	0.2	0.6
11	4732	30	0.4	0.0	0.2	0.3	0.6
12	5490	21	0.2	0.0	0.0	0.6	0.2
13	5769	54	0.6	0.0	0.0	0.3	0.6
14	5945	41	0.5	0.0	0.0	0.4	1.01
15	5785	39	0.4	0.0	0.0	0.5	0.4
16	5301	42	0.5	0.0	0.0	0.4	0.3
17	5064	31	0.4	0.0	0.3	0.4	0.36
18	5392	1	0.01	0.0	0.1	0.8	0.26
19	5818	48	0.5	0.0	0.0	0.2	0.1
20	5786	46	0.6	0.0	0.0	0.3	0.6
21	6042	41	0.4	0.0	0.0	0.5	0.7
22	6673	35	0.3	0.0	0.0	0.7	0.4
23	6173	34	0.3	0.0	0.0	0.3	0.3
24	5946	43	0.5	0.0	0.0	0.3	0.7
25	5425	35	0.4	0.0	0.0	0.4	0.3
26	4896	30	0.4	0.0	0.0	0.5	0.3
27	4869	8	0.1	0.0	0.0	0.3	0.3
28	4615	28	0.4	0.0	0.2	0.1	0.5
29	5240	27	0.3	0.0	0.0	0.0	0.4
30	5089	50	0.7	0.0	0.2	0.2	0.5
31	4726	35	0.5	0.0	0.0	0.4	0.5
Total	168133	1059	12.5	0.0	1.3	11.8	12.7
Average	5424	34.16	0.4	0.0	0.0	0.38	0.4

\* Example: Sodium Fluoride, Sodium Fluorosilicate (Sodium Silicofluoride), and Fluorosilicic Acid (Hydrofluorosilicic Acid).

It is required that this report be received by the 10<sup>th</sup> 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 \_\_\_\_\_  
 Title \_\_\_\_\_  
 City \_\_\_\_\_



**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
MONTHLY OPERATIONAL REPORT**

**LT2ESWTR CRYPTOSPORIDIUM LOG REMOVAL**

Water Treatment Plant & Total Log Credit

**Plant:** Durant WTP  
**PWSID:** 1010601  
**Month:** Jul-16

Day	Peak Hourly Flow (GPM)	Treatment Plant																								Cryptosporidium Log Credit (TOTAL)	Compliance
		Clarifier #1 (Old)							Clarifier #2 (New)							Clearwell						Subtotals		Filter Log Credit			
		Temperature (°C)	Peak Hourly Flow (GPM) OLD PLANT	Chlorine Dioxide Concentration (mg/L)	Detention Time (minutes)	CT (mg*min/L)	CT Required for 1 Log Credit	Log Credit	Temperature (°C)	Peak Hourly Flow (GPM) NEW PLANT	Chlorine Dioxide Concentration (mg/L)	Detention Time (minutes)	CT (mg*min/L)	CT Required for 1 Log Credit	Log Credit	Temperature (°C)	Chlorine Dioxide Concentration (mg/L)	Detention Time (minutes)	CT (mg*min/L)	CT Required for 1 Log Credit	Log Credit	Subtotal Log Credit (WTP Only)	Subtotal Log Credit (Raw Water Only) Other Worksheet	IFE Turbidity Log Credit (Other Wksht)	CFE Turbidity Log Credit (Other Wksht)		
1	3472	28.7	1736	0.10	432.03	43.20	54.30	0.80	28.8	1736	0.13	432.03	56.16	53.83	1.04	30.2	0.23	302.42	69.56	47.64	1.46	2.38	2.75	0.50	0.50	6.13	Y
2	3611	29.0	1805	0.14	415.51	58.17	52.89	1.10	29.2	1806	0.16	415.28	66.45	51.98	1.28	30.4	0.12	290.78	34.89	46.81	0.75	1.93	2.77	0.50	0.50	5.70	Y
3	3611	29.2	1805	0.07	415.51	29.09	51.98	0.56	29.2	1806	0.11	415.28	45.68	51.98	0.88	30.6	0.10	290.78	29.08	46.00	0.63	1.35	2.58	0.50	0.50	4.93	Y
4	3611	29.3	1805	0.09	415.51	37.40	51.53	0.73	29.3	1806	0.13	415.28	53.99	51.53	1.05	30.7	0.14	290.78	40.71	45.60	0.89	1.78	2.65	0.50	0.50	5.43	Y
5	3750	29.1	1875	0.07	400.00	28.00	52.44	0.53	29.1	1875	0.12	400.00	48.00	52.44	0.92	30.5	0.11	280.00	30.80	46.41	0.66	1.39	2.92	0.50	0.50	5.31	Y
6	3750	29.1	1875	0.05	400.00	20.00	52.44	0.38	29.2	1875	0.13	400.00	52.00	51.98	1.00	30.4	0.11	280.00	30.80	46.81	0.66	1.35	3.07	0.50	0.50	5.42	Y
7	3750	29.7	1875	0.08	400.00	32.00	49.76	0.64	29.9	1875	0.09	400.00	36.00	48.90	0.74	30.8	0.12	280.00	33.60	45.21	0.74	1.43	3.48	0.50	0.50	5.91	Y
8	4028	29.8	2014	0.11	372.39	40.96	49.33	0.83	29.9	2014	0.13	372.39	48.41	48.90	0.99	31.0	0.17	260.68	44.31	44.43	1.00	1.91	3.03	0.50	0.50	5.94	Y
9	4167	30.0	2083	0.13	360.06	46.81	48.48	0.97	30.1	2083	0.15	360.06	54.01	48.05	1.12	31.3	0.14	251.98	35.28	43.28	0.82	1.86	3.32	0.50	0.50	6.18	Y
10	3750	28.6	1875	0.14	400.00	56.00	54.77	1.02	28.4	1875	0.16	400.00	64.00	55.74	1.15	30.5	0.18	280.00	50.40	46.41	1.09	2.17	1.36	0.50	0.50	4.53	Y
11	3750	26.3	1875	0.12	400.00	48.00	66.94	0.72	26.6	1875	0.11	400.00	44.00	65.21	0.67	29.5	0.19	280.00	53.20	50.64	1.05	1.75	2.00	0.50	0.50	4.74	Y
12	3750	28.0	1875	0.16	400.00	64.00	57.72	1.11	28.2	1875	0.26	400.00	104.00	56.72	1.83	29.9	0.16	280.00	44.80	48.90	0.92	2.39	1.92	0.50	0.50	5.31	Y
13	4018	28.9	2014	0.17	372.39	63.31	53.36	1.19	29.1	2014	0.24	372.39	89.37	52.44	1.70	29.6	0.10	261.32	26.13	50.20	0.52	1.97	2.36	0.50	0.50	5.33	Y
14	4167	29.5	2083	0.16	360.06	57.61	50.64	1.14	30.0	2084	0.22	359.88	79.17	48.48	1.63	30.8	0.13	251.98	32.76	45.21	0.72	2.11	2.46	0.50	0.50	5.57	Y
15	4167	29.6	2083	0.15	360.06	54.01	50.20	1.08	29.8	2084	0.19	359.88	68.38	49.33	1.39	30.1	0.16	251.98	40.32	48.05	0.84	2.07	2.59	0.50	0.50	5.66	Y
16	3889	28.5	1945	0.16	385.60	61.70	55.25	1.12	28.6	1944	0.19	385.80	73.30	54.77	1.34	30.5	0.11	269.99	29.70	46.41	0.64	1.87	2.76	0.50	0.50	5.63	Y
17	3611	29.0	1806	0.13	415.28	53.99	52.89	1.02	29.4	1806	0.29	415.28	120.43	51.08	2.36	30.5	0.14	290.78	40.71	46.41	0.88	2.57	3.31	0.50	0.50	6.88	Y
18	3611	29.8	1806	0.19	415.28	78.90	49.33	1.60	29.9	1806	0.20	415.28	83.06	48.90	1.70	30.9	0.15	290.78	43.62	44.81	0.97	2.62	2.73	0.50	0.50	6.35	Y
19	3889	30.0	1944	0.10	385.80	38.58	48.48	0.80	30.3	1944	0.17	385.80	65.59	47.22	1.39	31.1	0.08	269.99	21.60	44.04	0.49	1.58	3.22	0.50	0.50	5.81	Y
20	4028	30.4	2014	0.15	372.39	55.86	46.81	1.19	30.6	2014	0.21	372.39	78.20	46.00	1.70	31.4	0.10	260.68	26.07	42.90	0.61	2.05	2.84	0.50	0.50	5.89	Y
21	4028	30.5	2014	0.14	372.39	52.14	46.41	1.12	30.7	2014	0.16	372.39	59.58	45.60	1.31	31.4	0.13	260.68	33.89	42.90	0.79	2.00	2.79	0.50	0.50	5.79	Y
22	4167	30.7	2083	0.16	360.06	57.61	45.60	1.26	30.9	2083	0.19	360.06	68.41	44.81	1.53	31.2	0.11	251.98	27.72	43.66	0.63	2.03	2.75	0.50	0.50	5.78	Y
23	4583	31.0	2291	0.13	327.37	42.56	44.43	0.96	31.2	2292	0.16	327.23	52.36	43.66	1.20	32.0	0.19	229.11	43.53	40.71	1.07	2.15	2.71	0.50	0.50	5.86	Y
24	4306	31.2	2153	0.13	348.35	45.29	43.66	1.04	31.8	2153	0.17	348.35	59.22	41.43	1.43	31.5	0.07	243.85	17.07	42.53	0.40	1.63	2.47	0.50	0.50	5.11	Y
25	4028	31.3	2014	0.17	372.39	63.31	43.28	1.46	31.9	2014	0.25	372.39	93.10	41.07	2.27	32.3	0.11	260.68	28.67	39.66	0.72	2.59	2.41	0.50	0.50	5.99	Y
26	3750	31.1	1875	0.14	400.00	56.00	44.04	1.27	31.2	1875	0.14	400.00	56.00	43.66	1.28	31.5	0.09	280.00	25.20	42.53	0.59	1.87	2.28	0.50	0.50	5.15	Y
27	3333	30.2	1667	0.15	449.91	67.49	47.64	1.42	30.2	1667	0.29	449.91	130.47	47.64	2.74	31.8	0.10	315.03	31.50	41.43	0.76	2.84	3.17	0.50	0.50	7.00	Y
28	3333	29.0	1667	0.17	449.91	76.48	52.89	1.45	29.1	1667	0.27	449.91	121.48	52.44	2.32	30.9	0.09	315.03	28.35	44.81	0.63	2.51	2.30	0.50	0.50	5.81	Y
29	3194	29.6	1597	0.17	469.63	79.84	50.20	1.59	29.7	1597	0.20	469.63	93.93	49.76	1.89	31.0	0.17	328.74	55.89	44.43	1.26	3.00	2.92	0.50	0.50	6.92	Y
30	3611	30.0	1805	0.24	415.51	99.72	48.48	2.06	30.2	1806	0.25	415.28	103.82	47.64	2.18	31.2	0.13	290.78	37.80	43.66	0.87	2.98	2.11	0.50	0.50	6.10	Y
31	3750	30.5	1875	0.15	400.00	60.00	46.41	1.29	30.8	1875	0.14	400.00	56.00	45.21	1.24	31.8	0.10	280.00	28.00	41.43	0.68	1.94	2.35	0.50	0.50	5.29	Y

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

Signed \_\_\_\_\_

Title Water Treatment Plant Supervisor

Op. Cert. No. B 6824

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
MONTHLY OPERATIONAL REPORT**

**LT2ESWTR CRYPTOSPORIDIUM LOG REMOVAL  
RAW WATER LINE**

**Plant:** Durant WTP  
**PWSID:** 1010601  
**Month:** Jul-16

Day	Peak Hourly Flow (GPM)	Raw Water Line																		Subtotal Log Credit (Raw Water Only)	Comments
		Sample Point A						Sample Point B						Sample Point C							
		Temperature (°C)	Chlorine Dioxide Concentration (mg/L)	Detention Time (minutes)	CT (mg*min/L)	CT Required for 1 Log Credit	Log Credit	Temperature (°C)	Chlorine Dioxide Concentration (mg/L)	Detention Time (minutes)	CT (mg*min/L)	CT Required for 1 Log Credit	Log Credit	Temperature (°C)	Chlorine Dioxide Concentration (mg/L)	Detention Time (minutes)	CT (mg*min/L)	CT Required for 1 Log Credit	Log Credit		
1	3472	28.3	1.01	23.73	23.96	56.23	0.43	28.4	0.62	171.75	106.48	55.74	1.91	27.7	0.60	41.12	24.67	59.25	0.42	2.75	
2	3611	28.5	1.08	22.81	24.64	55.25	0.45	28.6	0.64	165.13	105.69	54.77	1.93	28.1	0.57	39.53	22.53	57.22	0.39	2.77	
3	3611	28.6	0.90	22.81	20.53	54.77	0.37	28.8	0.59	165.13	97.43	53.83	1.81	28.4	0.55	39.53	21.74	55.74	0.39	2.58	
4	3611	28.4	0.88	22.81	20.08	55.74	0.36	28.7	0.61	165.13	100.73	54.30	1.86	28.3	0.62	39.53	24.51	56.23	0.44	2.65	
5	3750	28.4	0.88	21.97	19.33	55.74	0.35	28.3	0.76	159.01	120.85	56.23	2.15	27.9	0.65	38.07	24.74	58.22	0.43	2.92	
6	3750	29.3	1.01	21.97	22.19	51.53	0.43	29.1	0.73	159.01	116.08	52.44	2.21	28.4	0.63	38.07	23.98	55.74	0.43	3.07	
7	3750	28.7	1.22	21.97	26.80	54.30	0.49	29.0	0.83	159.01	131.98	52.89	2.50	28.7	0.70	38.07	26.65	54.30	0.49	3.48	
8	4028	29.0	1.14	20.45	23.31	52.89	0.44	29.3	0.74	148.04	109.55	51.53	2.13	29.1	0.69	35.44	24.45	52.44	0.47	3.03	
9	4167	29.1	1.17	19.77	23.13	52.44	0.44	29.4	0.85	143.10	121.64	51.08	2.38	29.2	0.76	34.26	26.04	51.98	0.50	3.32	
10	3750	25.8	0.68	21.97	14.94	69.93	0.21	25.8	0.42	159.01	66.79	69.93	0.96	26.2	0.34	38.07	12.94	67.53	0.19	1.36	
11	3750	27.0	0.89	21.97	19.55	62.98	0.31	27.2	0.54	159.01	85.87	61.89	1.39	27.4	0.48	38.07	18.27	60.82	0.30	2.00	
12	3750	27.6	0.86	21.97	18.89	59.77	0.32	27.9	0.48	159.01	76.33	58.22	1.31	28.1	0.44	38.07	16.75	57.22	0.29	1.92	
13	4028	28.5	1.02	20.45	20.86	55.25	0.38	28.7	0.60	148.04	88.82	54.30	1.64	28.4	0.55	35.44	19.49	55.74	0.35	2.36	
14	4167	28.7	1.08	19.77	21.35	54.30	0.39	29.0	0.62	143.10	88.72	52.89	1.68	28.9	0.61	34.26	20.90	53.36	0.39	2.46	
15	4167	28.5	1.12	19.77	22.14	55.25	0.40	28.8	0.67	143.10	95.88	53.83	1.78	28.7	0.65	34.26	22.27	54.30	0.41	2.59	
16	3889	27.9	1.01	21.18	21.39	58.22	0.37	28.2	0.72	153.33	110.40	56.72	1.95	28.0	0.70	36.71	25.70	57.72	0.45	2.76	
17	3611	28.7	1.16	22.81	26.46	54.30	0.49	29.1	0.74	165.13	122.20	52.44	2.33	28.8	0.67	39.53	26.49	53.83	0.49	3.31	
18	3611	28.5	1.02	22.81	23.27	55.25	0.42	28.7	0.62	165.13	102.38	54.30	1.89	29.0	0.56	39.53	22.14	52.89	0.42	2.73	
19	3889	29.4	1.08	21.18	22.88	51.08	0.45	29.7	0.74	153.33	113.46	49.76	2.28	29.2	0.70	36.71	25.70	51.98	0.49	3.22	
20	4028	29.6	0.92	20.45	18.81	50.20	0.37	30.1	0.67	148.04	99.19	48.05	2.06	29.5	0.57	35.44	20.20	50.64	0.40	2.84	
21	4028	29.0	0.90	20.45	18.41	52.89	0.35	29.1	0.71	148.04	105.11	52.44	2.00	29.2	0.64	35.44	22.68	51.98	0.44	2.79	
22	4167	29.8	0.97	19.77	19.18	49.33	0.39	29.9	0.66	143.10	94.45	48.90	1.93	29.7	0.62	34.26	21.24	49.76	0.43	2.75	
23	4583	30.2	0.82	17.97	14.74	47.64	0.31	30.4	0.72	130.11	93.68	46.81	2.00	29.8	0.64	31.15	19.94	49.33	0.40	2.71	
24	4306	30.1	0.84	19.13	16.07	48.05	0.33	30.4	0.61	138.48	84.47	46.81	1.80	30.0	0.49	33.15	16.25	48.48	0.34	2.47	
25	4028	30.0	0.80	20.45	16.36	48.48	0.34	30.1	0.58	148.04	85.86	48.05	1.79	30.2	0.38	35.44	13.47	47.64	0.28	2.41	
26	3750	30.1	0.74	21.97	16.26	48.05	0.34	30.5	0.47	159.01	74.74	46.41	1.61	30.1	0.42	38.07	15.99	48.05	0.33	2.28	
27	3333	29.0	0.78	24.72	19.28	52.89	0.36	29.4	0.66	178.91	118.08	51.08	2.31	29.1	0.60	42.83	25.70	52.44	0.49	3.17	
28	3333	29.0	0.71	24.72	17.55	52.89	0.33	28.8	0.49	178.91	87.67	53.83	1.63	28.7	0.43	42.83	18.42	54.30	0.34	2.30	
29	3194	29.4	0.75	25.79	19.34	51.08	0.38	29.1	0.58	186.69	108.28	52.44	2.07	29.3	0.55	44.70	24.58	51.53	0.48	2.92	
30	3611	29.1	0.69	22.81	15.74	52.44	0.30	29.3	0.46	165.13	75.96	51.53	1.47	29.4	0.44	39.53	17.39	51.08	0.34	2.11	
31	3750	29.7	0.83	21.97	18.23	49.76	0.37	30.0	0.52	159.01	82.69	48.48	1.71	29.8	0.36	38.07	13.70	49.33	0.28	2.35	

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

Signed \_\_\_\_\_

Title Water Treatment Plant Supervisor

Op. Cert. No. B 6824

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
MONTHLY OPERATIONAL REPORT**

**INDIVIDUAL FILTER TURBIDITY**

Plant: Durant WTP

PWSID: 1010601

Month: Jul-16

IFE TURBIDITY GREATER THAN 0.3 NTU:	0	0.00%
IFE TURBIDITY GREATER THAN 0.15 NTU:	0	0.00%

TOTAL NO. OF TURBIDITY ANALYSES: 744

HIGHEST TURBIDITY READING 0.10

1. 95% OF SAMPLES BELOW 0.15 NTU? Yes

No, Cryptosporidium Log Removal Credit of

Yes, Go to Question 2.

2. DID ANY SINGLE FILTER EXCEED 0.3 NTU  
IN 2 CONSECUTIVE 15 MINUTE PERIODS?

No, Cryptosporidium Log Removal Credit of

Yes, Cryptosporidium Log Removal Credit may |

Old Water Treatment Plant																									Comments:
DAY	Filter 1						Filter 2						Filter 3						Filter 4						
	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	
1	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
2	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
3	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
4	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
5	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
6	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
7	0.05	0.05	0.06	0.05	0.05	0.05	0.07	0.05	0.05	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
8	0.06	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.05	
9	0.06	0.08	0.06	0.07	0.08	0.10	0.05	0.06	0.06	0.07	0.08	0.09	0.06	0.06	0.06	0.07	0.09	0.10	0.05	0.06	0.06	0.06	0.08	0.09	
10	0.10	0.10	0.08	0.05	0.07	0.08	0.09	0.09	0.08	0.05	0.06	0.07	0.10	0.10	0.08	0.05	0.07	0.08	0.09	0.09	0.08	0.07	0.06	0.07	
11	0.08	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.08	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	
12	0.05	0.05	0.04	0.04	0.04	0.04	0.06	0.04	0.03	0.03	0.04	0.03	0.05	0.05	0.04	0.04	0.04	0.04	0.06	0.04	0.03	0.03	0.03	0.03	
13	0.04	0.04	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	
14	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
15	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
16	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	
17	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	
18	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.04	
19	0.06	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.04	
20	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.04	
21	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.09	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
22	0.04	0.03	0.03	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	
23	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	
24	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
25	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.04	
26	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.05	0.05	0.05	
27	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	
28	0.04	0.04	0.04	0.04	0.05	0.06	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.06	0.05	0.04	0.04	0.04	0.04	0.04	0.05	
29	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
30	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
31	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	

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

Signed \_\_\_\_\_

Title Water Treatment Plant Supervisor

Op. Cert. No.

B 6824

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY  
MONTHLY OPERATIONAL REPORT**

**INDIVIDUAL FILTER TURBIDITY**

Plant: Durant WTP

PWSID: 1010601

Month: Jul-16

IFE TURBIDITY GREATER THAN 0.3 NTU:	0	0.00%
IFE TURBIDITY GREATER THAN 0.15 NTU:	0	0.00%

TOTAL NO. OF TURBIDITY ANALYSES:	744
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HIGHEST TURBIDITY READING 0.14

1. 95% OF SAMPLES BELOW 0.15 NTU? Yes

No, Cryptosporidium Log Removal Credit of

Yes, Go to Question 2.

2. DID ANY SINGLE FILTER EXCEED 0.3 NTU  
IN 2 CONSECUTIVE 15 MINUTE PERIODS?

No, Cryptosporidium Log Removal Credit of

Yes, Cryptosporidium Log Removal Credit may N

New Water Treatment Plant																									
DAY	Filter 5						Filter 6						Filter 7						Filter 8						
	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	2400-0400	0400-0800	0800-1200	1200-1600	1600-2000	2000-2400	
1	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
2	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03
3	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.08	0.03	0.03	0.03	0.03	0.03	0.03
4	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
5	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04
6	0.03	0.04	0.04	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
7	0.04	0.04	0.04	0.03	0.04	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
8	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.04	0.04	0.03	0.03	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.04	0.08	0.05	0.04	0.04	0.04	0.04
9	0.04	0.06	0.06	0.07	0.08	0.08	0.04	0.06	0.06	0.08	0.09	0.08	0.04	0.05	0.06	0.07	0.08	0.07	0.04	0.06	0.07	0.08	0.09	0.09	0.09
10	0.07	0.05	0.12	0.14	0.08	0.10	0.07	0.03	0.06	0.08	0.07	0.11	0.06	0.04	0.10	0.14	0.11	0.13	0.07	0.04	0.05	0.12	0.12	0.08	0.08
11	0.07	0.06	0.05	0.04	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.07	0.06	0.05	0.04	0.04	0.03	0.07	0.06	0.05	0.04	0.04	0.04	0.04
12	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
13	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
14	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
15	0.03	0.03	0.07	0.03	0.03	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
16	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
17	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
18	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03
19	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
20	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.05	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
21	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
22	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02
23	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.04	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.05	0.05	0.03	0.03	0.03	0.03
24	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
25	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
26	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
27	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
28	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03
29	0.03	0.03	0.03	0.03	0.03	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02	0.02	0.06	0.03	0.03	0.03	0.03	0.03	0.03	0.03
30	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
31	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.02	0.02	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

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

Signed \_\_\_\_\_

Title Water Treatment Plant Supervisor

Op. Cert. No.





**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: July Year: 2016

**3. Analytical Results & Summary Information:**

Entry Point Monitoring			<u>Chlorine Dioxide Daily Monitoring (Summary Type: CLO2)</u>					
Day	ClO <sub>2</sub> (mg/L)	Chlorite (mg/L)	Number of Samples Required:					
1	0.23	0.57	Number of Samples Collected:		31			
2	0.12	0.95	Was All Chlorine Dioxide Monitoring & Reporting Completed? Yes / No		Yes / No			
3	0.1	0.66	Number of ClO <sub>2</sub> samples exceeded the MRDL of 0.8 mg/L?		0			
4	0.14	0.8	If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.					
5	0.11	0.76	<u>Chlorite Daily Monitoring (Summary Type: CLO2)</u>					
6	0.11	0.71	Number of Samples Required:					
7	0.12	0.81	Number of Samples Collected:		31			
8	0.17	0.76	Was All Chlorite Monitoring & Reporting Completed? Yes / No		Yes / No			
9	0.14	0.76	Number of Chlorite samples exceeded the MCL of 1.0 mg/L?					
10	0.18	0.95	If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.					
11	0.19	0.85	<b>* 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.</b>					
12	0.16	0.57						
13	0.1	0.23						
14	0.13	0.23						
15	0.16	0.52	Routine Chlorite Monthly Monitoring in Distribution System					
16	0.11	0.52	Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
17	0.14	0.42	Near 1st Customer					
18	0.15	0.52	Avg. Residence Time					
19	0.08	0.52	Max. Residence Time					
20	0.1	0.71	Monitoring Period Average: _____					
21	0.13	0.57	Mark (X) if analytical results were reported electronically: _____					
22	0.11	0.61	- 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	0.19	0.61	- If more than one three-sample set was collected, attach additional copies of this form.					
24	0.07	0.57						
25	0.11	0.47						
26	0.09	0.47						
27	0.1	0.28						
28	0.09	0.47						
29	0.17	0.47						
30	0.13	0.47						
31	0.1	0.52						

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**



# THE CITY OF DURANT

## Office of the Water Treatment Plant

### Water Treatment Plant Projects Schedule July 2016 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. Cut limbs out of fence row behind new clarifier
15. Cleaned screens on CLO2 generator as needed
16. Sprayed weed killer around all structures and fences around Plant
17. Pressured washed old pump building
18. Painted east side of old pump building
19. Mowed and weed eat around plant grounds
20. Installed electrical wire from soft start to motor on #1 raw pump
21. Had leak on 12"line from plant to high service pump station
22. Give tour of water treatment plant to citizens of Durant
23. Replaced the blades on John Deere lawn mower
24. Tightened packing gland on #2 transfer pump
25. Training new employee on evening shift
26. Had four different individuals at water plant doing community service
27. Produced 168,133,000 gallons of water.

#### 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 City Clerk

### Memorandum

**Date:** 8/3/2016  
**To:** Utilities Authority  
**From:** Terry Condor, Wastewater Treatment Superintendent  
**Re:** Consider Approval of Request for Authorization to Purchase (RFAP) # 2016-150 for Sludge Removal FY 2016/2017

---

This Request for Authorization to Purchase (RFAP) #2016-150 for Sludge Removal FY 2016/2017 is being presented in the amount of \$88,875.00.

#### **Council Information / Action Requested**

Approve Request for Authorization to Purchase (RFAP) # 2016-150 for Sludge Removal FY 2016/2017 in the amount of \$88,875.00.

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

#### **ATTACHMENTS:**

Description	Type	Upload Date
RFAP 2016-150	Exhibit	8/3/2016





9d **Buy Board** – Purchases of \$2,000-\$15,000 City Manager approval required. Purchases more than \$15,000 Council approval required. Include name, address, phone number, fax number, email address of Buy Board:

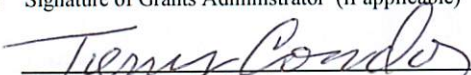
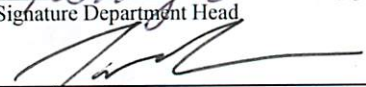


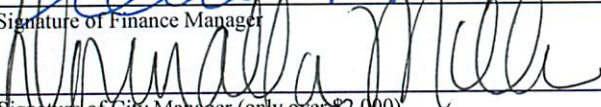
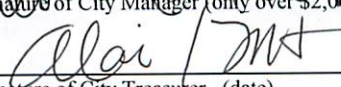
9e **Professional Services Agreement** – Purchases over \$2,000 and less than \$15,000 via an engineering, surveying, architect, computer services, janitorial, etc. firm covered by a council approved professional services agreement, City Manager approval required.

9f **Emergency Purchase** – To be utilized only when immediate action must be taken to protect the public health or safety or to prevent damage to property, prior council approval not required. Notify the City Manager immediately that an emergency purchase is needed.

9g **Sole Source Purchase** – Purchases of \$2,000-\$15,000 City Manager approval required. Purchases with an estimated cost over \$15,000 Council approval required in addition to City Manager approval. Attach to this request a memo detailing the nature of the Sole source designation, that is explain how this purchase fulfills the requirements to be considered a sole source purchase:

**LAND APPLICATION OF SLUDGE REQUIRES PERMITTING FROM ODEQ PRIOR TO APPLICATION. ESBENSHADE FARMS IS A SOLE SOURCE BECAUSE IT IS THE ONLY VENDOR WITH THE REQUIRED PERMITTING.**

10 Signature & date blocks (complete appropriate sections):

10a	Signature of Grants Administrator (if applicable)	date (M/D/Y):
		8-2-16
10b	Signature Department Head	date (M/D/Y):
		8-3-16
10c	Signature of Division Head	date (M/D/Y):
		8-2-16
10d	Signature of Budget Administrator	date (M/D/Y):
		8/2/16
10e	Signature of Finance Manager	date (M/D/Y):
		8/3/16
10f	Signature of City Manager (only over \$2,000)	date (M/D/Y):
		8/2/16
10g	Signature of City Treasurer (date)	date (M/D/Y):

11h City Manager Comments:



# The City of Durant

## Office of City Clerk

### Memorandum

**Date:** 8/5/2016  
**To:** Utilities Authority  
**From:** Zefe Laborico, Superintendent, Solid Waste Collection - Landfill  
**Re:** Consider Approval of Request for Authorization to Purchase (RFAP # 2016-130) for Solid Waste Disposal Fees FY 2016/2017

---

#### Council Information / Action Requested

Approve Request for Authorization to Purchase (RFAP # 2016-130) for Solid Waste Disposal Fees FY 2016/2017 in the amount of \$360,000.00.

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

#### ATTACHMENTS:

Description	Type	Upload Date
RFAP 2016-130	Exhibit	8/5/2016

SPEND/CNTRCT#  
 INCODE PROJ#  
**RFAP #2016-130**

**REQUEST FOR AUTHORIZATION TO PURCHASE**

*Ref: 11 O.S. §10:114 (B) and 61 O.S. §103 (D) and City of Durant Code: § 37.003-37.010*

Item #

- 1 Item planned for spending (provide details):  
**SOLID WASTE DISPOSAL FEES FY 2016/2017**
  
- 2 Department requesting authorization:  
**SOLID WASTE DISPOSAL**
  
- 3 Bidding recommendation (award or reject along with name and contact information of vendor):  
**S.O.R.D**
  
- 4 Estimated Purchase Date (M/D/Y): JULY 2016 - JUNE 2017
- 5 What are the financing or lease purchase terms (APR %, length of financing, payments, etc.)  
\_\_\_\_\_
  
- 6 Is this item included in the current FY budget (Yes/No) Yes
  
- 7 GL account code: #405-049-554-30-44
- 8 Spending / purchase request details (complete below blanks):

  - 8a Amount requested to spend \$360,000.00
  - 8b Item (new or replacement, if a capital item complete fixed asset form)? New
  - 8c Old Item to be Traded-In (Yes / No). Note: if a capital item complete fixed asset form? No

  
- If a Replacement Item, give description, age and condition of item to be replaced (including model & serial or VIN, trade allowance)*
- 8d Is a contractor written agreement involved (Yes / No), if yes include a copy of the contract after City Attorney Review No
- 8e Does the purchase involve Grant Funding (Yes or No) No
- 8f What is the City Cash Match for the Grant \$
- 8g What other match or financial obligation is involved with the City accepting this Grant (explain with details)  
\_\_\_\_\_
  
- 9 Purchase is Planned By (complete appropriate item(s) below):

  - 9a **Informal Quotes** – Purchases of \$2000-\$15,000 City Manager approval required. Purchases with an estimated cost over \$15,000 use formal bids. Specifications & at least 3 quotes must be attached for items over \$5,000 (city manager can require quotes for below \$5,000):
  
  - 9b **Formal Bids** – Purchases with an estimated cost over \$15,000 Council approval required. Attach complete specifications and a bidders list with at least 3 bidders. Include bidder name, address, phone number, fax number and email address of recommended vendor:
  
  - 9c **State Contract** – Purchases of \$2,000-\$15,000 City Manager approval required. Purchases over \$15,000 Council approval required. Include name, address, phone number, fax number, email address of state contract vendor and state contract number:



Spend & Contract Form

9d **Buy Board** – Purchases of \$2,000-\$15,000 City Manager approval required. Purchases more than \$15,000 Council approval required. Include name, address, phone number, fax number, email address of Buy Board:

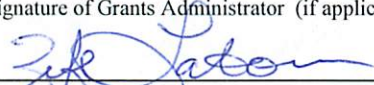

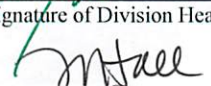
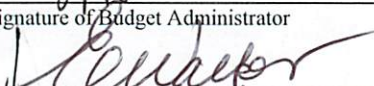

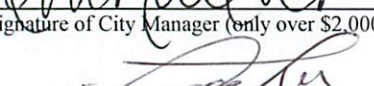
9e **Professional Services Agreement** – Purchases over \$2,000 and less than \$15,000 via an engineering, surveying, architect, computer services, janitorial, etc. firm covered by a council approved professional services agreement, City Manager approval required.

**SORD HAS BEEN OUR REGIONAL LANDFILL FOR OVER 20+ YEARS, USING THEM WE RECEIVE A DISCOUNTED RATE**

9f **Emergency Purchase** – To be utilized only when immediate action must be taken to protect the public health or safety or to prevent damage to property, prior council approval not required. Notify the City Manager immediately that an emergency purchase is needed.

9g **Sole Source Purchase** – Purchases of \$2,000-\$15,000 City Manager approval required. Purchases with an estimated cost over \$15,000 Council approval required in addition to City Manager approval. Attach to this request a memo detailing the nature of the Sole source designation, that is explain how this purchase fulfills the requirements to be considered a sole source purchase:

10 Signature & date blocks (complete appropriate sections):

10a	Signature of Grants Administrator (if applicable)	date (M/D/Y):
		7-19-16
10b	Signature Department Head	date (M/D/Y):
		7-19-16
10c	Signature of Division Head	date (M/D/Y):
		7-19-16
10d	Signature of Budget Administrator	date (M/D/Y):
		7/19/16
10e	Signature of Finance Manager	date (M/D/Y):
		7-19-16
10f	Signature of City Manager (only over \$2,000)	date (M/D/Y):
		7-19-2016
10g	Signature of City Treasurer (date)	date (M/D/Y):
11h	City Manager Comments:	



# The City of Durant

## Solid Waste Landfill

### Memorandum

**Date:** 8/2/2016  
**To:** Utilities Authority  
**From:** Zefe Laborico, Landfill Supervisor, Solid Waste Landfill  
**Re:** Consider Approval of Request for Authorization to Purchase (RFAP # 2016-144) for the Purchase of Transfer Trailer

---

#### Council Information / Action Requested

Approve Request for Authorization to Purchase (RFAP # 2016-144) for the Purchase of Transfer Trailer in the amount of \$70,500.00.

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

#### ATTACHMENTS:

Description	Type	Upload Date
Transfer Trailer Quote Texoma MFG	Cover Memo	8/2/2016
Transfer Trailer Quote Texoma Mill Wright	Cover Memo	8/2/2016
Transfer Trailer Quote Warren	Exhibit	8/5/2016
RFAP 2016-144	Exhibit	8/5/2016





Zefe Laborico <zlaborico@durant.org>

---

## Trash trailer

1 message

---

**rhickman@texomamillwright.com** <rhickman@texomamillwright.com>

Thu, Jul 21, 2016 at 11:29 AM

Reply-To: rhickman@texomamillwright.com

To: "zlaborico@durant.org" <zlaborico@durant.org>

Zefe

here is the quote to build a new Trash Trailer.

**\$210,725.00**

Thank You

Randal S. Hickman  
Shop Supervisor  
Texoma Millwright and Welding  
P (580)931-9368  
F (580)931-9386





# Quote WTTLLC00006800

Page 1 of 3

Date: 4/26/2016

UPDATED 7-22-16  
 Phone (888) 734-4400  
 Fax (903) 379-4400  
 WarrenTruckAndTrailer.com

Warren Truck and Trailer, LLC  
 15768 US HIGHWAY 271 NORTH  
 Talco TX 75487

Bill To	Ship To	Contact
CITY OF DURANT 300 W. EVERGREEN DURANT OK 74701	CITY OF DURANT 300 W. EVERGREEN DURANT OK 74701	ZEFE LARORICO (580) 931-6600 Ext. 0000

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Req Ship Date	Master No.
C/O DURANT, OK	CIT470	MACK	DELIVERED	Net	0/0/0000	10,011,288
QTY	Item Number	Description	UOM	Unit Price	Ext. Price	
1	WHET	HORIZONTAL EJECTOR TRAILER LENGTH: 40' WIDTH: 96" YARDAGE: 75 MATERIAL: STEEL SIDEWALL HEIGHT: 90" SIDEWALL MATERIAL: 10 GA FORMED CUSTOM BRACING SPACING: TRIPLE HORIZONTAL SIDE BRACES REAR 15' OF TRAILER SINGLE FULL LENGTH HORIZONTAL SIDE BRACE FRONT 25' OF TRAILER SC 6" SHIP CHANNEL x 15.3//FOOTAT LOWERR INSIDE FLOOR TO SIDE WALL INTERSECTION AS GUIDE FOR EJECTOR PANEL FLOOR: 3/16" A1011 CROSSMEMBERS: 4" JR. I-BEAM CROSSMEMBERS SPACING: 12" C/L	EA	\$61,200.00	\$61,200.00	
1	EJECTOR	WEAR SURFACE: T1/AR-450 STEEL GUIDERAILS/ROLLERS NONE FACE PLATE/SNOUT: 3/16" CYLINDER: DAT96-84-384 CONTROL VALVE: SINGLE OIL TANK: NONE (ON TRACTOR) HOSES: NO OPTIONS CYLINDER SUPPORT CARRIAGE ON UHMW SHOES	Each	\$0.00	\$0.00	
1	COMPACTOR COMPATIBLE	COMPLACTOR LATCH: REAR CORNER POST SIDE MOUNT LATCH HEIGHT: TO BE DETERMINED	Each	\$0.00	\$0.00	
1	BULKHEAD	BULKHEAD SHAPE: FLAT BULKHEAD: OPEN STYLE SULKHEAD OPTIONS: WING TYPE QUICK DISCONNECTS MOUNTED ON FRONT BULKHEAD TO MATCH 1" AEROQUIP 5100-5516B FITTING(PRESSURE) AND 1-1/4" 5100-5520B RETURN LINE	Each	\$0.00	\$0.00	
1	TAILGATE	TAILGATE HINGE: HIGH LIFT DOOR TAILGATE MATERIAL: 10 GA A1011 TAILGATE HINGE: TOP TAILGATE PANELS: 3 WATERTIGHT SEAL: 16"	Each	\$0.00	\$0.00	



# Quote WTTLLC00006800

Page 2 of 3  
Date 4/26/2016

Warren Truck and Trailer, LLC  
15768 US HIGHWAY 271 NORTH  
Talco TX 75487

Phone (888) 734-4400  
Fax (903) 379-4400  
WarrenTruckAndTrailer.com

Purchase Order No.	Customer ID	Salesperson ID	Shipping Method	Payment Terms	Req Ship Date	Master No.
C/O DURANT, OK	CIT470	MACK	DELIVERED	Net	0/0/0000	10,011,288
QTY	Item Number	Description	UOM	Unit Price	Ext. Price	
1	ROOF SYSTEM	CUSTOM TAILGATE: HYDRAULIC POWERED "HI-LIFT" ROOF: 10 GA A1011 FOOF SPECS: ROOF BRACES ALIGNED TO MATCH VERTICAL SIDE BRACES, REAR 15' TO BE BRACED WITH 2) LONGITUDINAL BRACES BETWEEN CROSS BRACES	Each	\$0.00	\$0.00	
1	RUNNING GEAR	TIRES: 11R22.5 X 8.25 HUB PILOTED STEEL DISC WHEELS DRUMS: CAST IRON DRUMS 7.5" X 16.5" ABS: HALDEX 2S/1M SUBFRAME: 10" I-BEAM X 12 LB./FT. AXLE DETAIL: (2) TQ 25K RATED96" SUSPENSION: HUTCH 9700 3 LEAF SPRING SUSPENSION SPACING: 49" KING PIN SETTING: 36" LANDING JACK: STEEL 2-SPEED HD (HOLLAND160K RATED) ROADSIDE HUBOMETER: NO TIRE CARRIER: NO MUDFLAPS: FULL FLAPS ACROSS REAR BUMPER: HD BUMPER w/ 2 TOW HOOKS	Each	\$0.00	\$0.00	
1	FINISH	BODY FINISH: MEIUM GREY METALLIC RUNNING GEAR FINISH: COACH BLACK	Each	\$0.00	\$0.00	
1	LIGHTS	IN ACCORDANCE WITH FMVSS108 LED LIGHTS w/ SEALED WIRING HARNESS MIDMOUNT TURN SIGNALS REAR LIGHTS IN TAILGATE	Each	\$0.00	\$0.00	
1	MATERIAL OPTIONS	ALL AR-450 STEEL IN LIEU OF STANDARD HIGH TENSILE STEEL. 3/16 AR-450 FLOOR, 1/8" AR-450 SIDES, ROOF, EJECTOR PANEL, AND TAILGATE  MODIFY SIDE BRACES WITH USE OF AR MATERIAL TO ACHIEVE WEIGHT SAVINGS	Each	\$7,500.00	\$7,500.00	
1	DELIVERY	ADD \$7500.00 TO QUOTE TOTAL  DELIVERY OF COMPLETED UNIT TO CITY OF DURANT, OK  DELIVERY CHARGES SHOWN IN SHIPPING COLUMN BELOW	Each	\$0.00	\$0.00	



Quote WTTLLC00006800 Page 3 of 3  
Date 4/26/2016

Warren Truck and Trailer, LLC  
15768 US HIGHWAY 271 NORTH  
Talco TX 75487

Phone (888) 734-4400  
Fax (903) 379-4400  
WarrenTruckAndTrailer.com

Quotation reviewed and accepted by:  
(signed) \_\_\_\_\_  
Please fax back to us for entry as an order  
NOTE: Quotation good for 10 days only

Subtotal	\$68,700.00
Misc	\$0.00
Tax	\$0.00
Ship & Handling	\$1,800.00
Trade In Allowance	\$0.00
Total	\$70,500.00

Spend & Contract Form

00112015

SPEND/CNTRCT#  
INCODE PROJ#  
RFAP #2016-144

**REQUEST FOR AUTHORIZATION TO PURCHASE**

Ref: 11 O.S. §10:114 (B) and 61 O.S. §103 (D) and City of Durant Code: § 37.003-37.010

Item #

1 Item planned for spending (provide details):  
75 CUBIC YARD TRANSFER TRAILER

2 Department requesting authorization:  
SOLID WASTE DISPOSAL

3 Bidding recommendation (award or reject along with name and contact information of vendor):  
WARREN TRUCK AND TRAILER, LLC 15768 US HIGHWAY 271 NORTH TALCO, TX 75487

4 Estimated Purchase Date (M/D/Y):

August 1, 2016

5 What are the financing or lease purchase terms (APR %, length of financing, payments, etc.)

6 Is this item included in the current FY budget (Yes/No)

Yes

7 GL account code:

#015-049-554-61-72

8 Spending / purchase request details (complete below blanks):

8a Amount requested to spend

\$70,500.00

8b Item (new or replacement, if a capital item complete fixed asset form)?

New

8c Old item to be Traded-in (Yes / No). Note: If a capital item complete fixed asset form?

No

*If a Replacement Item, give description, age and condition of item to be replaced (including model & serial or VIN, trade allowance)*

8d Is a contractor written agreement involved (Yes / No), if yes include a copy of the contract after City Attorney Review

No

8e Does the purchase involve Grant Funding (Yes or No)

No

8f What is the City Cash Match for the Grant

\$:

8g What other match or financial obligation is involved with the City accepting this Grant (explain with details)

9 Purchase is Planned By (complete appropriate item(s), below):

9a Informal Quotes – Purchases of \$2000-\$15,000 City Manager approval required. Purchases with an estimated cost over \$15,000 use formal bids. Specifications & at least 3 quotes must be attached for items over \$5,000 (city manager can require quotes for below \$5,000):

9b Formal Bids – Purchases with an estimated cost over \$15,000 Council approval required. Attach complete specifications and a bidders list with at least 3 bidders. Include bidder name, address, phone number, fax number and email address of recommended vendor:

THREE QUOTES ARE ATTACHED. WARREN TRUCK AND TRAILER WAS THE LOWEST QUOTE.

9c State Contract – Purchases of \$2,000-\$15,000 City Manager approval required. Purchases over \$15,000 Council approval required. Include name, address, phone number, fax number, email address of state contract vendor and state contract number:

**Spend & Contract Form**


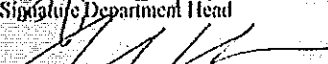
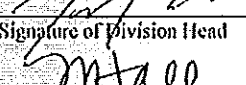
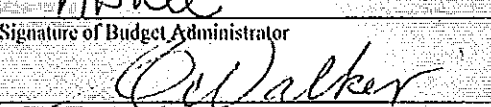
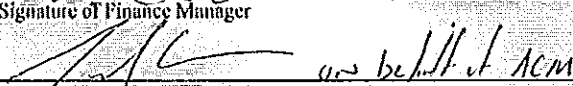

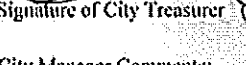
9d **Buy Board** – Purchases of \$2,000-\$15,000 City Manager approval required. Purchases more than \$15,000 Council approval required. Include name, address, phone number, fax number, email address of Buy Board:

9e **Professional Services Agreement** – Purchases over \$2,000 and less than \$15,000 via an engineering, surveying, architect, computer services, janitorial, etc. firm covered by a council approved professional services agreement, City Manager approval required.

9f **Emergency Purchase** – To be utilized only when immediate action must be taken to protect the public health or safety or to prevent damage to property, prior council approval not required. Notify the City Manager immediately that an emergency purchase is needed.

9g **Sole Source Purchase** – Purchases of \$2,000-\$15,000 City Manager approval required. Purchases with an estimated cost over \$15,000 Council approval required in addition to City Manager approval. Attach to this request a memo detailing the nature of the Sole source designation, that is explain how this purchase fulfills the requirements to be considered a sole source purchase:

10 **Signature & date blocks (complete appropriate sections):**

10a	Signature of Grants Administrator (if applicable)	date (M/D/Y):
		7-28-16
10b	Signature Department Head	date (M/D/Y):
		7-28-16
10c	Signature of Division Head	date (M/D/Y):
		7-28-16
10d	Signature of Budget Administrator	date (M/D/Y):
		7/28/16
10e	Signature of Finance Manager	date (M/D/Y):
	 on behalf of ACM	7-28-16
10f	Signature of City Manager (only over \$2,000)	date (M/D/Y):
		7-28-16
10g	Signature of City Treasurer (date)	date (M/D/Y):
		7-28-16

11h **City Manager Comments:**



# The City of Durant

## Office of Technical Projects

### Memorandum

**Date:**

**To:** Utilities Authority

**From:** Jacque J. Wilson

**Re:** Consider Approval of Resolution to Adjust the Sanitation Rates for On-Demand Construction and Demolition Waste

---

Resolution is to Adjust the Sanitation Rates for On-Demand Construction and Demolition Waste. After careful consideration and observation of local and regional markets related solely to commercial sanitation roll off rates, the City of Durant will reduce the ON DEMAND Collection of Construction and Demolition (C&D) Waste rates.

### Council Information / Action Requested

Consider Approval of Resolution to Adjust the Sanitation Rates for On-Demand Construction and Demolition Waste

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

#### ATTACHMENTS:

Description	Type	Upload Date
RESOLUTION TO ADJUST THE SANITATION RATES	Cover Memo	8/5/2016

**RESOLUTION No. 2016 \_\_\_\_**

**A RESOLUTION TO ADJUST THE SANITATION RATES FOR  
ON-DEMAND CONSTRUCTION AND DEMOLITION WASTE**

**WHEREAS**, after careful consideration and observation of local and regional markets related solely to commercial sanitation roll off rates, the City of Durant will reduce the ON DEMAND Collection of Construction and Demolition (C&D) Waste rates.

**WHEREAS**, this reduction will be across all categories of C&D on demand rates to reflect the lower disposal cost associated with these materials.

ON DEMAND Collection of C&D Waste LARGE SCALE CONSTRUCTION PRICING VARIABLE BILLING (Inside & Outside City Limits) Ref. resolution 2015-38	Proposed
20-YD Rolloff-Per Collection Event	\$307.05
30-YD Rolloff-Per Collection Event	\$460.00
40-YD Rolloff-Per Collection Event	\$615.25
ON DEMAND Collection of C&D Waste LARGE SCALE CONSTRUCTION PRICING VARIABLE BILLING (Inside & Outside City Limits)*	
20-YD Rolloff-Per Collection Event	\$226.30
30-YD Rolloff-Per Collection Event	\$338.65
40-YD Rolloff-Per Collection Event	\$507.70
* Special rate for large scale construction (spending in excess of \$200,000 per year for roll off / disposal unit prices shall be based on per month or per dump whichever occurs first and are subject to weight limits only to be picked up and transported.	

A basic 11CY Washout (concrete) collection rate of \$208.40 will be assessed to cover the cost of labor and equipment related to disposing of the concrete waste.

**NOW THEREFORE, BE IT RESOLVED** by the Trustees of the Durant City Utilities Authority that the rates included in this Resolution are hereby approved.

**AND BE IT FURTHER RESOLVED** that the effective date of the rate change specified in this Resolution shall be for services provided on and after September 1, 2016.

**PASSED AND APPROVED** this 12th day of August, 2016, by the Trustees of the Durant City Utilities Authority.

\_\_\_\_\_  
Stewart Hoffman, Chairman  
The Durant City Utilities Authority

ATTEST:

\_\_\_\_\_  
Cynthia J. Price, Secretary  
The Durant City Utilities Authority