

The City of Durant encourages participation from all its citizens. If participation at any public meeting is not possible due to a disability, notification to the City Clerk at least 48 hours prior to the scheduled meeting is encouraged in order to make the necessary accommodations. The City of Durant may waive the 48-hour rule if interpreters for the deaf (signing) or translation services for limited English proficient (LEP) individuals are not the necessary accommodation.

THE DURANT CITY UTILITIES AUTHORITY / DCUA

6:00 PM

**Roscoe J. Hatfield
Council Chambers, 300
West Evergreen,
Durant, Oklahoma
AGENDA**

January 9, 2018

**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 December 12, 2017

2. Consider Items Removed from Consent

3. Administration

- a. Consider Approval of Request for Authorization to Purchase for Water Meters (RFAP #2018-108)

4. Information Items

- a. Landfill Information & Reports - December 2017
- b. Solid Waste Department Monthly Report - December 2017
- c. Waste Water Treatment Plant and Lab Monthly Report - December 2017
- d. Waste Water Treatment Plant Projects Schedule - December 2017

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

ADJOURNMENT

CERTIFICATE

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 14th day of November, 2017 and that an agenda of said meeting was posted at the place of such meeting at 5:00 p.m..on the 5th day of January, 2018.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

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

Council Information / Action Requested

Approval of Regular Meeting Minutes of December 12, 2017

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

ATTACHMENTS:

Description	Type	Upload Date
Regular Minutes 12.12.2017	Exhibit	12/20/2017

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 17th day of November, 2016 and that an agenda of said meeting was posted at the place of such meeting at 4:25 p.m. on the 8th day of December, 2017.

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

CALL TO ORDER

Chairman Tomlinson called the meeting to order at 8:11 p.m.

ROLL CALL

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

Absent: None (*denotes partial attendance)

Chairman Tomlinson declared a quorum.

1. Consent Items

To help streamline meetings and allow the focus to be on other items requiring strategic thought, the "Consent Items" portion of the agenda groups the routine, procedural, and self-explanatory non-controversial items together. These items are voted on in a single motion (one vote). However, any Council member requesting further information on a specific item thus removes it from the "Consent Items" section for individual attention and separate vote.

a. Consider Approval of Regular Meeting Minutes of November 14, 2017

Approved

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

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson

2. Consideration Items Removed from Consent

3. Administration

4. Information Items

- a. Landfill Information & Reports - November 2017
- b. Solid Waste Department Monthly Report - November 2017
- c. Utility Billing Office Monthly Summary Report - October 2017

Administrative Services Director Greg Buckley gave a presentation to address several questions from the public regarding late fees versus reconnect fees and commercial deposits. A question/answer period with the council followed.

- d. Water/Sewer Line Maintenance & Operations Monthly Report - November 2017
- e. Water Treatment Plant Monthly Reports - November 2017

Adjournment

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

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson



The City of Durant

Office of City Clerk

Memorandum

Date: 1/5/2018
To: Utilities Authority
From: Jay Neal, Supervisor, Water and Sewer Line Maintenance
Re: Consider Approval of Request for Authorization to Purchase for Water Meters (RFAP #2018-108)

Council Information / Action Requested

Approval of Request for Authorization to Purchase for water meters to Core & Main (formerly HD Supply in the amount of \$39,984.00.

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

ATTACHMENTS:

Description	Type	Upload Date
RFAP # 2018-108	Exhibit	1/5/2018

SPEND/CNTRCT#

INCODE PROJ#

RFAP#

2018-108

REQUEST FOR AUTHORIZATION TO PURCHASE

p

Item #

- 1 Item planned for spending (provide details):
AMR Water Meter Purchase to be shared between Line Maintenance for new construction/taps and the Meter Readers for swaps and unserviceable change outs.
- 2 Department requesting authorization:
M & O
- 3 Bidding recommendation (award or reject along with name and contact information of vendor):
HD Supply, branch 343, 14701 E 116th St. N. Owasso OK, 74055
- 4 Estimated Purchase Date (M/D/Y): Jan. 13, 2018
- 5 What are the financing or lease purchase terms (APR %, length of financing, payments, etc.)
N/A
- 6 Is this item included in the current FY budget (Yes/No) Yes
- 7 GL account code: #405-026-551.50-79
- 8 Spending / purchase request details (complete below blanks):
- 8a Amount requested to spend \$39,984.00
- 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?
- 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): 1/9/18
- 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):
Sole source. Core & Main (formerly HD Supply) is the sole source vendor for the Neptune Mach 10 AMR Meter
- 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:
Same as 9a
- 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:
blank

- 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:

blank

- 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.

blank

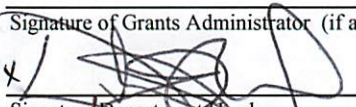
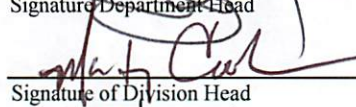
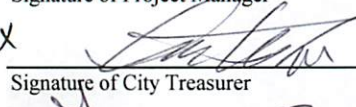
- 9f **Emergency Purchase** – To be utilized only when immediate action must be taken to protect the public health or safety or to prevent damage to property, prior council approval not required. Notify the City Manager immediately that an emergency purchase is needed.

blank

- 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:

The AMR meters for our new reading system are only available from this vendor.

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

10a	Signature of Grants Administrator (if applicable)	date (M/D/Y):
		1-5-18
10b	Signature Department Head	date (M/D/Y):
		1-5-18
10c	Signature of Division Head	date (M/D/Y):
		1.5.18
10d	Signature of Budget Administrator	date (M/D/Y):
	N/A	
10e	Signature of Project Manager	date (M/D/Y):
		1-5-2018
10f	Signature of City Treasurer	date (M/D/Y):
		1-5-2018
10g	Signature of City Manager (only over \$2,000)	date (M/D/Y):
11h	City Manager Comments:	

Run Date: 1/04/18

Quote



Customer #	194525
Order #	I303691
Date Ordered	01/04/18
Job #	
Job Name	
Purchase Order #	
Method of Shipment	OUR TRUCK
Contract Order #	0000000
Ordered By	RANDY
Ship Via	CORE & MAIN LP

Sold To:
CITY OF DURANT
300 W EVERGREEN ST
DURANT, OK 74701 4742

Ship To:
CITY OF DURANT
1204 N.E. 2ND AVENUE
DURANT, OK 74701

Branch:
OWASSO OK
BRANCH 343
14701 E 116th ST N
OWASSO, OK 74055

Phone: 918-586-7100

Bid Seq#	Product Code	Description	Qty Ordered	Qty Shipped	Qty B/O	Net Price	UOM	Ext Price
	43206141102520	2" EVOQ4 USG 10" MAG METER	14			1304.00000	EA	18256.00
	43EVOENC30	EVO SENSUS PROTOCOL ENCODER WI	14			287.00000	EA	4018.00
		TH 30' CABLE						
	42NE13442200	R900-V4 MIU PIT 6' 13442-200	14			135.00000	EA	1890.00
		R900V4 RADIO SINGLE PORT						
	4310EU1F1G1SG89	1 NEPTUNE MACH10 METER GAL	11			370.00000	EA	4070.00
		R900I ENHANCED WITH 6' ANTENNA						
		EU1F1G1SG89						
	4307EU1B2G1SG89	5/8X3/4 NEPTUNE MACH10 GAL	50			235.00000	EA	11750.00
		INTERGRATED W/6' EXT ANTENNA						
		EU1B2G1SG89						

Terms in accordance with shipping manifest.

Special Instructions/Comments:

Total Ordered:	39984.00
Tax Amount:	.00
Other Charges:	.00
Total:	39984.00



The City of Durant

Solid Waste Landfill

Memorandum

Date: 1/2/2018
To: Utilities Authority
From: Zefe Laborico, Supervisor, Solid Waste Landfill
Re: Landfill Information & Reports - December 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
DEQ Report December 2017	Exhibit	1/2/2018
December 2017 Project Schedule	Exhibit	1/2/2018
1 Multi Use Building December 2017	Exhibit	1/4/2018
2 Multi Use Building December 2017	Exhibit	1/4/2018
3 Multi Use Building December 2017	Exhibit	1/4/2018
4 Multi Use Building December 2017	Exhibit	1/4/2018



MONTHLY REPORT FOR SOLID WASTE DISPOSAL FACILITIES

(Please see instructions prior to completing this form)

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

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

Report month/year: **DECEMBER 2017**

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

Permit Number: **3507001**

Phone Number: **580-931-6606**

Total # of Days open: 23

COMPLETE SECTIONS 5-10 ONLY IF SCALES GO DOWN

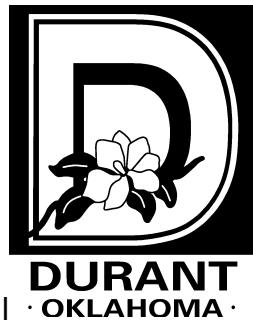
D A Y	(1) Total weight accepted (tons)	(2) Weight which is reused or recycled in accordance with facility permit (tons)	(3) Weight accepted from a DEQ approved emergency or special event (tons)	(4) Weight accepted from large industrial waste generators with DEQ exemption certificate (tons)	(5) Time scales placed out of service	(6) Time scales placed into service	(7) Total volume accepted (yd3)	(8) Volume which is reused or recycled in accordance with facility permit (yd3)	(9) Volume accepted from a DEQ approved emergency or special event (yd3)	(10) Volume accepted from large industrial waste generators with DEQ exemption certificate (yd3)
1	134.91									
2	19.69									
3	0									
4	63.71									
5	46.91									
6	47.37									
7	42.32									
8	33.81									
9	8.96									
10	0									
11	66.36									
12	107.42									
13	54.98									
14	73.43									
15	53.02									
16	5.04									
17	0									
18	36.95									
19	24.84									
20	12.1									
21	37.48									
22	25.69									
23	0.26									
24	0									
25	0									
26	0									
27	59.6									
28	38.4									
29	47.28									
30	2.82									
31	0									
Total	1043.35	0	0	0	0	0	0	0	0	0

I hereby certify that the information reported above is accurate and correct to the best of my knowledge and includes all solid waste received at this facility.

Signature of authorized agent: _____

Phone #: **580-924-8358**

Date: _____



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE ***December 2017***

A. Work Completed for December:

1. Covered C & D Site
2. Hauled MSW To SORD
3. picked up 313 rolloff's & 5 delivered

B. Work Planned For January:

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

C. Work Planned For Jan. '18 – Dec. '18:

Approx. Start – Finish Date:

- | | |
|--------------------------|---------------------|
| 1. Haul trash to Ardmore | 1-2018 thru 12-2018 |
|--------------------------|---------------------|

D. Projects Planned And Requested For Authorization:

1. None.











The City of Durant

Office of the Solid Waste Department

Memorandum

Date: 1/9/2018
To: Utilities Authority
From: Albert Pierce, Solid Waste Department Superintendent
Re: Solid Waste Department Monthly Report - December 2017

Council Information / Action Requested

Information Only

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

ATTACHMENTS:

Description	Type	Upload Date
December Monthly Report	Cover Memo	1/3/2018



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE ***December 2017***

A. Work Completed:

1. Hauled 48.31 tons of extra hauling
2. Hauled 61 loads of extra hauling
3. Picked up and delivered 17 sharps
4. Helped with abatement
5. Cleaned Sunny Side rd.
6. Refurbished 9 dumpsters
7. Replaced 0 dumpsters with new
- 8.

B. Work Planned For December

1. Refurbish. dumpsters
- 2.

C. Work Planned For Jan. '1-17 – Dec. 31-17

1. Pick up trash

D. Projects Planned And Requested For Authorization:

1. None.



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 1/3/2018
To: Utilities Authority
From: Terry Condor, Waste Water Treatment Plant Superintendent
Re: Waste Water Treatment Plant and Lab Monthly Report - December 2017

Council Information / Action Requested

Information Only.

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

ATTACHMENTS:

Description	Type	Upload Date
MOR December 2017	Cover Memo	1/3/2018
Sludge Report December 2017	Cover Memo	1/3/2018
Lab Report December 2017	Cover Memo	1/3/2018



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK COMPLETED IN November 2017

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS 11-27-2017
- 3: CLEAN BLEND TANK MIXER 11-30-2017
- 4: CLEAN EFFLUENT PUMP STATION Not Needed
- 5: CLEAN RAW WATER PUMP STATION Not Needed
- 6: CLEAN SCUM PUMP STATION Not Needed
- 7: CLEAN DRAIN LIFT STATION 11-9-2017
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER 11-1-2017
- 9: CALIBRATE DISCHARGE DO & PH METER 11-16-2017
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER 11-21-2017
- 11: RESET SBR PLC Not Needed
- 12: WASH DOWN STEP SCREEN 11-15-2017
- 13: CLEAN UV TROUGHS AND FLUME 11-9-2017
- 14: CHECK ELECTRIC MANHOLES 11-21-2017
- 15: CLEAN OUT BUILDINGS 11-6-2017
- 16: MANUALLY CHECK U.V. BULBS 11-21-20017
- 17: WASH DOWN CASINO STEPSCREEN 11-13-2017
- 18: CHECK ALL AUTOMATIC VALVES OK
- 19: VEHICLE INSPECTION 11-14-2017
- 20: WALK-THRU INSPECTION 11-14-2017
- 21: CLEAN ALL PLC's 11-13-2017
- 22: CLEAN D.O. METERS Not Needed
- 23: CHECK CLARIFIER OIL WEEKLY 11-14-2017
- 24: INSTALL VFD PUMP FOR GBT 11-3-2017

TREATED MG OF WASTEWATER 56.379
PROCESSED KG OF TREATED SLUDGE 1026.392

B: WORK PLANNED FOR December 2017

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

3 call Backs

Process Water and Sludge Flow Report

December 2017

Date	Influent Flow (MG)	Drain Lift Station Flow (MG)	Casino Lift Station Flow (MG)	Combined Infl (MG)	Effluent Flow (MG)	GBT #1 Flow (KG)	GBT #2 Flow (KG)	Sludge Flow Digester #1 (KG)	Sludge Flow Digester #2 (KG)
12/1/2017	1.469	0.077	0.255	1.801	1.642	55.188	0.000	9.562	9.874
12/2/2017	1.463	0.026	0.299	1.787	1.677	0.000	0.000	10.068	10.332
12/3/2017	1.615	0.030	0.267	1.912	1.782	0.000	0.000	10.090	10.410
12/4/2017	1.886	0.069	0.217	2.172	1.988	54.252	0.000	10.668	11.014
12/5/2017	1.559	0.068	0.169	1.796	1.713	54.391	0.000	10.707	10.926
12/6/2017	1.631	0.054	0.178	1.863	1.950	54.109	0.000	9.580	9.772
12/7/2017	1.630	0.075	0.195	1.900	1.836	54.748	0.000	10.032	10.223
12/8/2017	1.493	0.080	0.227	1.799	1.603	54.265	0.000	10.518	10.748
12/9/2017	1.453	0.025	0.277	1.754	1.752	0.079	0.000	10.124	10.293
12/10/2017	1.453	0.025	0.277	1.754	1.752	0.079	0.000	10.124	10.293
12/11/2017	1.711	0.075	0.182	1.968	2.099	57.600	0.000	10.188	10.335
12/12/2017	1.670	0.068	0.155	1.892	1.648	57.322	0.000	9.992	10.215
12/13/2017	1.538	0.078	0.196	1.812	1.706	56.792	0.000	11.250	11.492
12/14/2017	1.564	0.073	0.172	1.808	1.583	57.174	0.000	9.556	9.763
12/15/2017	1.465	0.068	0.219	1.752	1.488	52.133	0.000	10.528	10.726
12/16/2017	1.695	0.026	0.266	1.987	1.753	0.000	0.000	10.086	10.326
12/17/2017	1.693	0.028	0.272	1.993	2.531	0.000	0.000	9.533	9.745
12/18/2017	1.697	0.064	0.204	1.965	2.040	57.305	0.000	9.533	9.745
12/19/2017	2.565	0.084	0.264	2.912	2.548	57.367	0.000	21.024	21.178
12/20/2017	2.366	0.075	0.229	2.670	3.317	57.487	0.000	11.205	11.463
12/21/2017	2.000	0.076	0.204	2.280	2.463	56.927	0.000	10.683	10.922
12/22/2017	2.217	0.074	0.288	2.578	2.422	57.330	0.000	9.521	9.719
12/23/2017	1.744	0.023	0.269	2.035	2.516	0.000	0.000	10.150	10.328
12/24/2017	1.538	0.027	0.206	1.771	2.374	0.000	0.000	10.146	10.342
12/25/2017	1.502	0.070	0.266	1.839	2.392	53.624	0.000	9.546	9.996
12/26/2017	1.777	0.068	0.223	2.068	2.852	59.440	0.000	10.736	10.598
12/27/2017	1.783	0.071	0.244	2.098	2.600	57.346	0.000	11.515	11.813
12/28/2017	1.736	0.071	0.239	2.046	2.331	57.438	0.000	10.754	11.158
12/29/2017	1.626	0.070	0.261	1.957	2.415	57.763	0.000	10.843	11.267
12/30/2017	1.552	0.021	0.258	1.832	2.405	0.008	0.000	9.966	10.567

12/31/2017	1.499	0.045	0.261	1.805	1.755	0.016	0.000	10.018	10.278
Sum	52.589	1.783	7.237	61.608	64.931	1180.186	0.000	328.243	335.860
Avg	1.696	0.058	0.233	1.987	2.095	38.071	0.000	10.588	10.834
Min	1.453	0.021	0.155	1.752	1.488	0.000	0.000	9.521	9.719
Max	2.565	0.084	0.299	2.912	3.317	59.440	0.000	21.024	21.178



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

12/1/17 to 12/30/17

Tests Processed

<u>74</u>	Bac-t's
<u>84</u>	BOD's
<u>20</u>	TSS's
<u>27</u>	NH3's
<u>0</u>	DO's
<u>37</u>	Ph's
<u>0</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



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 1/3/2018
To: Utilities Authority
From: Terry Condor, Waste Water Treatment Plant Superintendent
Re: Waste Water Treatment Plant Projects Schedule - December 2017

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Projects Schedule January 2018	Exhibit	1/3/2018



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK COMPLETED IN DECEMBER 2017

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS 12-20-17
- 3: CLEAN BLEND TANK MIXER 12-22-17
- 4: CLEAN EFFLUENT PUMP STATION not needed
- 5: CLEAN RAW WATER PUMP STATION not needed
- 6: CLEAN SCUM PUMP STATION 12-6-17
- 7: CLEAN DRAIN LIFT STATION 12-7-17
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER 12-20-17
- 9: CALIBRATE DISCHARGE DO & PH METER 12-14-17
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER 12-14-17
- 11: RESET SBR PLC not needed
- 12: WASH DOWN STEP SCREEN 12-22-17
- 13: CLEAN UV TROUGHS AND FLUME 12-7-17
- 14: CHECK ELECTRIC MANHOLES 12-19-17
- 15: CLEAN OUT BUILDINGS 12-7-17
- 16: MANUALLY CHECK U.V. BULBS 12-18-17
- 17: WASH DOWN CASINO STEPSCREEN 12-5-17
- 18: CHECK ALL AUTOMATIC VALVES -
- 19: VEHICLE INSPECTION 12-7-17
- 20: WALK-THRU INSPECTION 12-4-17
- 21: CLEAN ALL PLC's 12-4-17
- 22: CLEAN D.O. METERS not needed
- 23: CHECK CLARIFIER OIL WEEKLY 12-4-17
- 24: DISLODGE STOPPAGE BETWEEN SCUM PUMP STATION W/176

TREATED 61.608 MG OF WASTEWATER
PROCESSED 1.18186 MG OF TREATED SLUDGE

B: WORK PLANNED FOR JANUARY 2018

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



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 1/2/2018
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Water Treatment Plant - Monthly Operation Reports - December 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
December Operation Report	Cover Memo	1/2/2018
December Operation Report	Cover Memo	1/2/2018
December Chlorite and CLO2 report	Cover Memo	1/2/2018
December Maintance Report	Cover Memo	1/2/2018

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: December 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 NAOH	OTHER Name: NH2SIF6	OTHER Name: copper sul	CHLORINE		"P"		TOTAL AM		CLO2 Residual		TOTAL PM		AM PM														
		1	2	3	4	5	6	7	8								PRE	POST	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT											
1	4,650	24	24	24	24	24	24	24	24		1300	0	50	0	0	0	0	0	60	60			276	257		0.27	268	244	8.1	7.6	7.6	254	270	270	0.71	300					
2	4,499	23	23	23	23	24	24	24	24	280	1300	0	50	0	0	0	0	0	70	60			270	260		0.13	266	250	7.8	7.4	7.5	276	284	284	0.76	300					
3	4,286	24	24	24	24	23	23	24	24	70	1200	0	50	0	0	0	0	0	70	60			262	244		0.12	266	240	7.9	7.5	7.7	248	284	284	0.66	280					
4	4,158	24	24	24	24	24	24	23	23	80	1300	0	50	0	0	0	0	0	60	60			268	240		0.11	252	238	7.8	7.6	7.9	242	288	290	0.57	280					
5	4,257	23	24	24	24	23	24	24	24	70	1600	0	50	0	0	0	0	0	100	60			248	238		0.12	254	242	7.8	7.6	7.5	244	266	272	0.61	280					
6	4,024	24	23	23	24	24	24	24	24	70	1200	0	50	0	0	0	0	0	60	60			252	234		0.1	254	236	7.8	7.5	7.5	228	254	276	0.71	280					
7	3,856	24	24	24	24	23	23	24	24	60	1300	0	50	0	0	0	0	0	70	70			260	234		0.09	262	244	8.3	7.5	7.6	232	280	268	0.66	280					
8	4,062	24	24	24	24	24	24	23	23	64	1200	0	50	0	0	0	0	0	60	60			274	234		0.12	260	238	7.9	7.6	7.8	238	294	290	0.52	300					
9	4,196	23	24	24	23	24	24	24	24	70	1100	0	50	0	0	0	0	0	75	55			258	240		0.14	266	246	7.9	7.5	7.8	234	310	292	0.52	300					
10	4,252	24	23	23	24	23	23	23	23	180	1200	0	50	0	0	0	0	0	75	55			264	240		0.2	266	242	7.7	7	7.1	240	278	274	0.71	300					
11	4,411	23	23	23	23	23	24	24	24	110	1100	0	50	0	0	0	0	0	80	60			268	252		0.11	270	242	7.8	7.5	7.3	264	274	264	0.76	300					
12	4,686	23	23	23	23	23	23	23	23	224	1200	0	50	0	0	0	0	0	80	60			274	248		0.09	280	256	8.1	7.5	7.3	254	280	274	0.71	300					
13	4,745	24	24	24	24	24	24	24	24		1100	0	50	0	0	0	0	0	80	60			262	242		0.12	280	256	7.7	7.3	7.4	250	278	278	0.76	300					
14	4,395	23	23	23	23	23	23	23	23	265	1300	0	50	0	0	0	0	0	80	80			274	258		0.23	268	252	7.9	7.4	7.6	258	284	274	0.66	300					
15	4,362	23	23	23	23	24	24	24	24	100	1100	0	50	0	0	0	0	0	60	60			284	264		0.12	276	246	7.8	7.3	7.6	268	288	288	0.57	300					
16	4,136	23	23	23	24	23	23	23	23	150	1300	0	50	0	0	0	0	0	90	50			268	256		0.14	274	252	7.7	7	7.2	266	306	302	0.57	300					
17	3,219	24	24	24	23	24	24	24	24	30	900	0	50	0	0	0	0	0	70	50			258	250		0.14	260	242	7.8	7.3	7.4	256	268	280	0.66	300					
18	3,198	24	24	24	24	23	23	24	24	55	1000	0	50	0	0	0	0	0	60	40			258	252		0.11	266	244	7.7	7.3	7.6	252	260	260	0.76	300					
19	3,626	23	24	23	24	24	24	23	23	130	2000	0	50	0	0	0	0	0	70	50			264	254		0.23	250	248	7.8	7.3	7.5	260	272	266	0.71	270					
20	3,784	24	23	24	23	24	24	24	24	60	1800	0	50	0	0	0	0	0	90	50			226	224		0.17	236	220	7.7	7.3	7.4	242	232	262	0.76	270					
21	3,995	24	24	24	24	23	23	24	24	60	1000	0	50	0	0	0	0	0	90	50			230	222		0.12	248	228	7.7	7.2	7.3	230	260	260	0.95	270					
22	3,989	23	24	23	24	24	24	24	24	70	1200	0	50	0	0	0	0	0	90	50			230	222		0.11	244	212	7.8	7.5	7.5	208	248	244	0.8	270					
23	3,989	24	24	24	24	24	24	23	23	90	1300	0	50	0	0	0	0	0	90	50			230	218		0.11	244	220	7.9	7.4	7.7	224	284	276	0.8	270					
24	3,637	24	23	24	23	24	24	24	24	70	1000	0	50	0	0	0	0	0	80	50			240	220		0.1	254	214	7.6	7.2	7.6	220	256	250	0.66	270					
25	3,612	24	24	24	24	23	23	24	24	60	1100	0	50	0	0	0	0	0	60	50			246	228		0.09	254	224	7.8	7.3	7.4	218	260	254	0.47	270					
26	3,599	23	24	23	24	24	24	24	24	70	800	0	50	0	0	0	0	0	60	40			252	236		0.12	272	240	7.8	7.2	7.5	232	270	260	0.28	270					
27	3,566	24	24	24	24	24	24	23	23	70	1100	0	50	0	0	0	0	0	60	40			252	230		0.24	272	242	7.7	7.3	7.5	226	276	262	0.52	270					
28	3,639	24	23	24	23	23	23	24	24	120	1000	0	50	0	0	0	0	0	50	30			260	248		0.22	278	238	7.9	7.3	7.6	252	280	284	0.42	270					
29	4,134	23	24	23	24	24	24	24	24	65	1000	0	50	0	0	0	0	0	70	50			274	254		0.13	274	240	8	7.4	7.7	256	286	280	0.61	320					
30	4,518	23	23	23	23	23	23	23	23	250	1300	0	50	0	0	0	0	0	90	70			262	240		0.22	272	246	8	7.6	7.7	238	292	294	0.71	340					
31	4,073	23	23	23	23	10	23	23	23	225	1000	0	50	0	0	0	0	0	60	40			260	252		0.17	270	246	8.1	7.6	7.9	242	280	280	0.71	320					
TOT	125553	731	731	731	731	719	732	733	733	3218	37300		1550						2260	1680			8004	7491		4.49	8156	7428	243	229	234	7552	8542	8492	20.28	8980					
Avg	4050	24	24	24	24	24	24	24	24	104	1203		50.00						73	54			258	242		0	263	240	7.8	7.4	7.5	243.6	276	274	0.654	#####					

Power Costs	\$22,528.34
Labor Costs	\$30,110.25
Chemicals	\$12,913.85
Supplies	\$436.66
Repairs	\$56.88
TOTAL	\$66,045.98

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

Durant City Utilities Authority
System

PO Box 578
Address

Durant
City

74702
ZIP

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

- ☒ Rapid Rate Filter
☐ Slow Sand Filter

No. OF
SAMPLES % OF TOTAL
SAMPLES

TURBIDITY GREATER THAN 0.5 NTU:	0	0%	◀
TURBIDITY GREATER THAN 0.3 NTU:	0	0%	◀
TURBIDITY GREATER THAN 0.1 NTU:	8	4%	

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

HIGHEST TURBIDITY READING	0.20	◀
NUMBER OF SAMPLES > 1 NTU	0	◀
NUMBER OF SAMPLES > 5 NTU	0	◀
95TH PERCENTILE OF FINISHED WATER TURBIDITY	0.09	◀ NOT REQUIRED
95TH PERCENTILE OF SETTLED WATER TURBIDITY	2.80	◀ 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 Perfomance 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	2.33	2	2	0.03	0.03	0.03	0.04	0.04	0.07	2.20	2.39	2.46	2.17	2.15	2.14	2.10	2.06	
2	2.65	0.9	3.1	0.05	0.06	0.03	0.04	0.04	0.05	2.30	2.51	2.70	2.53	2.40	2.17	2.09	2.48	
3	2.53	1	1.6	0.05	0.03	0.03	0.03	0.03	0.03	2.24	2.63	2.66	2.47	2.31	2.05	2.15	2.46	
4	2.74	1.2	1.8	0.05	0.03	0.03	0.03	0.03	0.03	2.12	2.35	2.54	2.52	2.35	2.01	2.13	2.08	
5	7.81	1.8	2.1	0.04	0.03	0.03	0.03	0.03	0.03	2.09	2.44	2.44	2.42	2.32	2.21	2.07	1.99	
6	3.43	0.9	1.4	0.05	0.03	0.03	0.03	0.03	0.03	2.26	2.51	2.52	2.49	2.40	2.15	1.95	2.02	
7	2.62	0.9	2.2	0.06	0.03	0.03	0.03	0.03	0.03	2.23	2.57	2.67	2.70	2.54	2.21	2.04	2.43	
8	2.33	1.2	2.3	0.03	0.05	0.03	0.03	0.03	0.03	2.30	2.54	2.50	2.74	2.52	2.08	2.10	2.25	
9	2.51	2	2.6	0.03	0.06	0.03	0.03	0.03	0.05	2.24	2.54	2.67	2.64	2.39	2.04	2.29	2.52	
10	2.38	2.5	2.3	0.09	0.11	0.12	0.07	0.04	0.05	2.16	2.54	2.70	2.58	2.18	2.18	2.31	2.45	
11	2.49	1.7	2.2	0.09	0.10	0.10	0.06	0.03	0.03	2.20	2.64	2.69	2.77	2.61	2.20	2.13	2.31	
12	2.76	1.7	1.9	0.04	0.05	0.05	0.06	0.06	0.09	2.34	2.72	2.81	2.66	2.50	2.09	2.35	2.71	
13	2.81	2.1	2.2	0.04	0.03	0.03	0.03	0.03	0.04	2.32	2.62	2.67	2.71	2.28	2.07	2.49	2.59	
14	2.82	2.2	2	0.06	0.17	0.04	0.05	0.03	0.03	2.31	2.71	2.92	2.74	2.53	2.22	2.50	2.51	
15	2.80	2.3	2.1	0.03	0.04	0.08	0.03	0.03	0.03	2.33	2.51	2.71	2.46	2.26	2.08	2.53	1.60	
16	2.33	2.9	2	0.03	0.05	0.07	0.07	0.04	0.03	2.16	2.37	2.54	2.76	2.33	2.12	2.56	2.35	
17	2.42	2	1.9	0.05	0.07	0.07	0.03	0.03	0.03	2.19	2.43	2.46	2.65	2.67	2.52	2.50	2.34	
18	2.65	1.3	1.8	0.04	0.03	0.04	0.04	0.04	0.04	2.48	2.59	2.66	2.66	2.61	2.48	1.84	2.54	
19	2.57	1.7	1.8	0.05	0.08	0.11	0.05	0.06	0.06	2.49	2.62	2.64	2.68	2.66	2.59	2.55	2.58	
20	12.66	2	2.1	0.07	0.03	0.03	0.03	0.03	0.03	2.56	2.61	2.60	2.30	2.07	1.96	2.57	2.54	
21	10.60	1.8	1.6	0.04	0.03	0.03	0.03	0.03	0.03	2.02	2.45	2.43	2.50	2.32	2.10	2.61	2.26	
22	5.68	1.7	2.3	0.05	0.03	0.03	0.03	0.03	0.03	2.18	2.43	2.48	2.55	2.54	2.50	2.43	2.26	
23	4.63	1.9	2.8	0.04	0.04	0.03	0.03	0.03	0.04	2.52	2.69	2.73	2.63	2.49	1.99	2.29	2.38	
24	2.69	2	1.8	0.08	0.03	0.03	0.03	0.03	0.03	2.05	2.44	2.52	2.70	2.71	2.35	2.44	2.27	
25	3.10	1.8	1.8	0.04	0.03	0.03	0.03	0.03	0.03	2.27	2.40	2.53	2.71	2.66	2.30	2.36	2.47	
26	2.82	1.9	1.9	0.06	0.03	0.03	0.04	0.03	0.04	2.31	2.53	2.63	2.81	2.80	2.70	2.45	2.47	
27	2.76	2.4	2.5	0.04	0.04	0.04	0.06	0.05	0.06	2.71	2.90	3.00	2.88	2.65	2.45	2.47	2.61	
28	2.17	1.7	2.5	0.08	0.06	0.03	0.03	0.03	0.03	2.48	2.93	2.99	2.97	2.92	2.63	2.54	2.81	
29	2.14	2	1.9	0.04	0.05	0.03	0.04	0.05	0.08	2.67	2.92	3.04	2.94	2.94	2.76	2.84	2.66	
30	3.32	1.8	2.8	0.20	0.06	0.09	0.04	0.05	0.07	2.83	3.16	3.16	3.09	2.93	2.80	2.96	3.11	
31	3.27	3.3	2.5	0.10	0.06	0.08	0.03	0.05	0.11	2.81	2.94	2.96	3.05	2.83	2.45	3.19	2.90	



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: DEC Year: 2017

3. Analytical Results & Summary Information:

Entry Point Monitoring			Chlorine Dioxide Daily Monitoring (Summary Type: CLO2)					
Day	ClO ₂ (mg/L)	Chlorite (mg/L)						
1	0.27	0.71	Number of Samples Required:					
2	0.13	0.76	Number of Samples Collected:					
3	0.12	0.66	Was All Chlorine Dioxide Monitoring & Reporting Completed? Yes / No					
4	0.11	0.57	Number of ClO ₂ samples exceeded the MRDL of 0.8 mg/L?					
5	0.12	0.61	If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.					
6	0.1	0.71	Chlorite Daily Monitoring (Summary Type: CLO2)					
7	0.09	0.66	Number of Samples Required:					
8	0.12	0.52	Number of Samples Collected:					
9	0.14	0.52	Was All Chlorite Monitoring & Reporting Completed? Yes / No					
10	0.2	0.71	Number of Chlorite samples exceeded the MCL of 1.0 mg/L?					
11	0.11	0.76	If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.					
12	0.09	0.71	* 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	0.12	0.76						
14	0.23	0.66						
15	0.12	0.57	Routine Chlorite Monthly Monitoring in Distribution System					
16	0.14	0.57	Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
17	0.14	0.66	Near 1st Customer					
18	0.11	0.76	Avg. Residence Time					
19	0.23	0.71	Max. Residence Time					
20	0.17	0.76	Monitoring Period Average:					
21	0.12	0.95	Mark (X) if analytical results were reported electronically: _____ - If the arithmetic average of any three sample set exceeds the Chlorite MCL (1.0 mg/L), the system is in violation of the MCL. - If more than one three-sample set was collected, attach additional copies of this form.					
22	0.11	0.8						
23	0.11	0.8						
24	0.1	0.66						
25	0.09	0.47						
26	0.12	0.28						
27	0.24	0.52						
28	0.22	0.42						
29	0.13	0.61						
30	0.22	0.71						
31	0.17	0.71						

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



THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule December 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. Fixed loader bracket on John Deer Tractor
16. Lights replaced on 1st and Ark tower and Big lot tower
17. Lake durant Dam Inspection
18. replaced water valve on raw water line coming into the lab sink
19. Replaced ethernet cable on #5 filter console
20. Lyles checked #4 High service pump motor
21. RLC here checking out old plant filter consoles
22. Gateway went bad on #6 new plant filter console
23. Treated 125,553,000 gallons of water

B. Work Planned for January-December

Approx Start/Finish Date

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

C. Projects Planned and Requested for Authorization

- A. Upgrade raw pump building at the water plant
- B. Upgrade Scada system on Old and New Plant Filters