

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**

May 8, 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 April 10, 2018

2. Consider Items Removed from Consent

3. Administration

- a. Consider Approval of a Memorandum of Agreement Between the Durant City Utilities Authority and Choctaw Nation of Oklahoma Regarding Sewer Adjustment(s) to Four (4) Utility Accounts, or Take Any Other Appropriate Action
- b. Consider Approval of Request for Authorization to Purchase for the Rewinding of a Motor for the Water Treatment Plant for \$17,223.96 (RFAP#2018-159)

4. Information Items

- a. Landfill Information & Monthly Reports - April 2018
- b. Solid Waste Department Monthly Report - May 2018

- c. Utilities Department Monthly Report - March 2018
- d. Waste Water Treatment Plant and Lab Monthly Report - April 2018
- e. Water Treatment Plant Monthly Reports - April 2018

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 5:38 p.m. on the 4th day of May, 2018.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 4/25/2018
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of April 10, 2018

Council Information / Action Requested

Approval of Regular Meeting Minutes of April 10, 2018.

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

ATTACHMENTS:

Description	Type	Upload Date
Minutes 4.10.2018	Exhibit	4/25/2018

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 5:15 p.m. on the 6th day of April, 2018.

MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY UTILITIES AUTHORITY OF April 10, 2018 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 10:14 p.m.

ROLL CALL

Present: Trustee Oden Grube	City Attorney Tom Marcum
Trustee Mike Dills	City Manager Tim Rundel
Trustee Destry Hawthorne	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 March 13, 2018

Approved

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

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson

2. Consideration Items Removed from Consent

3. Administration

4. Information Items

- a. Landfill Information & Reports - March 2018
- b. Solid Waste Department Monthly Report - March 2018
- c. Waste Water Treatment Plant and Lab Monthly Reports - March 2018
- d. Water Treatment Plant Operational Reports - March 2018

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

Deputy City Manager of Administration

Memorandum

Date: 4/30/2018
To: Utilities Authority
From: Greg Buckley, Administrative Services Director
Re: Consider Approval of a Memorandum of Agreement Between the Durant City Utilities Authority and Choctaw Nation of Oklahoma Regarding Sewer Adjustment(s) to Four (4) Utility Accounts, or Take Any Other Appropriate Action

The Choctaw Nation met with Staff to review four (4) accounts which have irrigation meters, installed by the Nation, on the service side of the property meter. The Nation is requesting an adjustment to the sewer charge based on the water used through the irrigation meter. Currently, the Nation is being charged sewer for all water used through the property meter.

The Memorandum of Agreement would provide the usage from the irrigation meter would be deducted from the sewer charge and the Nation would only be charged sewer for the buildings. This would not affect the water usage charges. The Agreement provides, if the service line of these four accounts is replaced the Nation would install a separate irrigation meter from the property meter and that account would be removed from this Agreement.

The Authority provides for the ability for a customer to have an irrigation meter which does not incur sewer charges. This scenario is not typical. Within the Agreement the Nation also agrees that any new development or utility account, after the date of this Memorandum of Agreement, shall provide for a separate stand-alone irrigation meter as allowed by the Authority.

Council Information / Action Requested

Approve Memorandum of Agreement between the Durant City Utilities Authority and Choctaw Nation of Oklahoma regarding sewer adjustment(s) to four (4) utility accounts.

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

ATTACHMENTS:

Description	Type	Upload Date
MOU - Choctaw Nation	Cover Memo	5/1/2018

Memorandum of Agreement

The **City of Durant, Durant City Utilities Authority** (the “**Authority**”) and the **Choctaw Nation of Oklahoma** (the “**Nation**”) as of the date last executed below do hereby enter in to this Memorandum of Agreement regarding sewer adjustment to the Accounts (as defined below).

Whereas, the Accounts have a dedicated irrigation water meter installed which exclusively meters the volume of water used by the Accounts for outdoor watering and irrigation purposes (the “**Irrigation Meter Usage**”); and

Whereas, for Commercial accounts, the Authority assesses water and sewer fees based upon water usage readings of the main water meter for the property which meters the total water usage for the property (the “**Property Meter Usage**”). The Nation has requested the Authority to adjust the monthly utility statements to remove the assessment of sewer charges against the Irrigation Meter Usage. The applicable volume of water for assessment of the sewer charge (the “**Sewer Charge Usage**”) would be calculated by deducting the monthly Irrigation Meter Usage from the monthly Property Meter Usage, and then charging the proper sewer charge on the Sewer Charge Usage (monthly Property Meter Usage – monthly Irrigation Meter Usage = Sewer Charge Usage).

Whereas, the Authority has allowance for installation of irrigation meter, and only charges such irrigation meters for the volume water usage metered therefrom, and does not otherwise assess a sewer usage fee thereon.

Whereas, the Nation understands and agrees that this Memorandum of Agreement does not authorize any additional adjustments to be made on utility bills for the Accounts regarding water and/or sewer charges or other fees and charges, other than what is allowed under policy for a water leak or billing error.

Now therefore, in consideration of the mutual covenants and conditions contained herein, and for other good and valuable consideration, the parties hereto agree to the following terms and conditions:

The above recitals are hereby incorporated into and shall constitute a part of this Memorandum of Agreement as if fully set forth herein.

The Authority will provide an adjustment to the Accounts only for sewer fees by deducting the Irrigation Meter Usage from the Property Meter Usage, and assessing sewer fees only to the Sewer Charge Usage for the following four (4) accounts of the Nation (collectively, the “**Accounts**”);

1. 30-2760-00 Campus Master Water Meter 2760 Big Lots Parkway
2. 30-3600-00 Facility Management 3651 Big Lots Parkway
3. 30-3602-00 Public Safety 3653 Big Lots Parkway
4. 30-3650-01 KOA RV Park 3650 Enterprise Blvd

The Nation will be responsible for all water usage on the Accounts, sewer fees on the Sewer Charge Usage, and all other regular and customary customer fees and charges on the utility bill;

In the event the four identified properties are required to install new water service lines, the Nation shall provide new service line(s) such that an independent irrigation meter shall be installed in accordance with Authority policy. If such water service line is changed or replaced, the sewer adjustment granted hereunder on the property meter shall stop for such individual property and the account for such property shall no longer be considered one of the Accounts for purposes of this Memorandum of Agreement; however, the remaining properties and Accounts shall continue to receive the adjustment pursuant to the terms of this Memorandum of Agreement.

The Nation agrees that any new development or utility account, after the date of this Memorandum of Agreement, shall provide for a separate stand-alone irrigation meter as allowed by the Authority.

In witness wherefore, the undersigned have hereunto set their hand and seal the day and year indicated by their signatures below.

CHOCTAW NATION OF OKLAHOMA

By: _____

Name: _____

Title: _____

Date: _____

**CITY OF DURANT,
DURANT CITY UTILITIES AUTHORITY**

By: _____

Name: _____

Title: _____

Date: _____



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 5/3/2018
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Consider Approval of Request for Authorization to Purchase for the Rewinding of a Motor for the Water Treatment Plant for \$17,223.96 (RFAP#2018-159)

A 450 HP motor at the Water Treatment Plant has been checked out by Evans Enterprises and it has been recommended that the motor have a rewind performed on it. The attached quote of \$17,223.96 is what it will cost to rewind this motor. We also have included in the attachments a quote for the cost of a new motor and the cost of a motor that has been cleaned and sent back with no guarantee of operation. We feel that this rewind of the motor would be the most efficient solution at this time.

Council Information / Action Requested

Approve/Deny RFAP #2018-159 to Evans Enterprises in the amount of \$17,223.96.

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

Create a Purchase Order and inform Evans Enterprise to begin work on the motor.

ATTACHMENTS:

Description	Type	Upload Date
RFAP #2018-159	Exhibit	5/3/2018

SPEND/CNTRCT#
 INCODE PROJ#
 RFAP#

REQUEST FOR AUTHORIZATION TO PURCHASE

2018-159

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):
450hp motor at High Service pump station failed to stay within the limits of a mag test, so it needs to be rewound.
- 2 Department requesting authorization:
Water Treatment Plant
- 3 Bidding recommendation (award or reject along with name and contact information of vendor):
Evans Enterprises Inc. 1536 S. Western PO Box 2370 Oklahoma City Ok, 73101-2370 Phine # (405)631-1344 Fax # (405)631-8948
- 4 May 9 2018
- 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: 405-027-552-50-69
- 8 Spending / purchase request details (complete below blanks):
- 8a Amount requested to spend \$17,223.96
- 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:

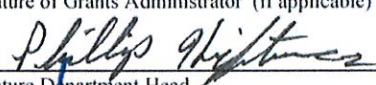
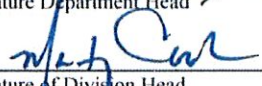
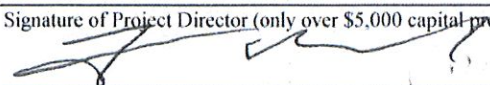
9e **Professional Services Agreement** – Purchases over \$2,000 and less than \$15,000 via an engineering, surveying, architect, computer services, janitorial, etc. firm covered by a council approved professional services agreement, City Manager approval required.

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:

This is a sole source purchase because Evans Enterprise is the company that rebuilds these large motor's for us.

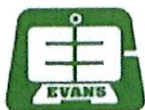
10 Signature & date blocks (complete appropriate sections):

10a	Signature of Grants Administrator (if applicable)	date (M/D/Y):
		5-4-18
10b	Signature Department Head	date (M/D/Y):
		5-4-18
10c	Signature of Division Head	date (M/D/Y):
10d	Signature of Budget Administrator	date (M/D/Y):
10e	Signature of Project Director (only over \$5,000 capital projects)	date (M/D/Y):
		5-3-18
10f	Signature of City Manager (only over \$2,000)	date (M/D/Y):
		5-4-18
10g	Signature of City Treasurer (date)	date (M/D/Y):
11h	City Manager Comments:	

FINAL

Evans Enterprises, Inc.

6707 N. Interstate Drive
Norman, OK 73069
405-631-1344 - Phone
405-631-8948 - Fax



EVANS
ENTERPRISES
Since 1954

NO: 00021923
DATE: 3/27/2018
PAGE 2

Contact PHILLIP 580-230-9354

S CITY OF DURANT
O PO BOX 578
L DURANT, OK 74702
D

T
O

S CITY OF DURANT
H 300 W EVERGREEN ST
I DURANT, OK 74701
P

T
O

Assemble unit complete referencing match marks and photos to assure as found assembly. Perform all final electrical tests after assembly prior to test run. Test run motor at rated voltage, measure and record No Load amps, RPM and compare to nameplate. Record results. Perform horizontal, vertical and axial vibration analysis on O.D.E and D.E. of motor during test run. Record results. Measure and record winding temperature (RTD's) and bearing temperatures (BTD's). Record results. Scribe magnetic center if applicable.

Paint and Prepare for Shipping:

Install all parts and accessories referring to match marks and photos to assure proper positioning. Drain oil if unit is oil lubricated and install "Fill with Oil!" tags. Mask and prepare unit for painting and paint. Install Mechanics Tag with bearing numbers and type included. Block shaft if required and prepare unit for shipping. Review and finalize all test results.

Freight: Unit will be transported on an Evans truck suitable for the load by an Evans driver that has been trained on the proper techniques of loading, securing and transporting electrical apparatus.

Warranty: One year on random wound and two years on form wound material and workmanship.

Additional Comments:

ROOT CAUSE OF FAILURE:
ODE BEARING AND ENDBELL HAD VERY LITTLE GREASE.

AFTER DOING ELECTRICAL CHECK THE WINDINGS WERE CHECKING GOOD BUT THE P.I. 12.5.
AFTER DIPPING AND BAKING STATOR STILL CHECKED GOOD BUT P.I. WAS STILL AT 7.9.
EVANS STANDARD IS TO REWIND ANYTHING ABOVE 5.0 OR HIGHER.
CUSTOMER HAS FINAL DECISION TO RECONDITION OR REWIND MOTOR.

TEARDOWN, CLEAN AND INSPECT ALL PARTS.
WASH AND BAKE STATOR AND ROTOR AND RUN ELECTRICAL CHECK ON WINDINGS.
SEE NOTES ABOVE
MIC ALL BEARING FITS.
BORE AND SLEEVE ODE ENDBELL.
TRI AND BALANCE ROTOR.
INSTALL NEW BEARINGS.
ASSEMBLE AND TEST RUN.
RUN VIBRATION ANALYSIS.

PARTS \$ 7,241.41
LABOR \$ 9,982.55
TOTAL REWIND PRICE \$ 17,223.96

RECONDITION PRICE

PARTS \$ 3,318.32
LABOR \$ 8,535.00
TOTAL RECONDITION PRICE \$ 11,853.32

NEW US MOTOR PRICE

\$ 31,059.71

Lead Time:

TOTAL 0.00

FINAL

Evans Enterprises, Inc.

6707 N. Interstate Drive
Norman, OK 73069
405-631-1344 - Phone
405-631-8948 - Fax



NO: 00021923
DATE: 3/27/2018
PAGE 3

Contact PHILLIP 580-230-9354

S CITY OF DURANT
O PO BOX 578
L DURANT, OK 74702
D

T
O

S CITY OF DURANT
H 300 W EVERGREEN ST
I DURANT, OK 74701
P

T
O

Valid for 30 calendar days from the above date

Total is plus sales tax if applicable. Payment terms Net 30 days for account holders unless otherwise specified.

If additional work, parts, services or materials are required that are not specifically included in the above work scope an "Extra Work Authorization" will be required. Based upon our Standard Terms and Conditions available at www.GoEvans.com/terms

Received
By: _____

Thank you for your interest and consideration!

Date: _____



FINAL

Evans Enterprises, Inc.

6707 N. Interstate Drive
Norman, OK 73069
405-631-1344 - Phone
405-631-8948 - Fax



NO: 00021923
DATE: 3/27/2018
PAGE 1

Contact PHILLIP 580-230-9354

S CITY OF DURANT
O PO BOX 578
L DURANT, OK 74702
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S CITY OF DURANT
H 300 W EVERGREEN ST
I DURANT, OK 74701
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NAMEPLATE DATA

Manufacturer:US; ID #:H11 03059671-100R - 02; Frame:5009P; Model #:-; Enclosure:WPI; Serial #:-; HP:450; RPM:1775; Volts:460; Amps:482; Type:HEUL; Cycles:60; Phase:3; Code:g; Temp Rise:40°; Service Factor:1.15; Insulation Class:f; Color:GRAY; UL Class:-; UL Group:-; Current UL#:-; New UL#:-

SPECIAL INSTRUCTIONS

CALL PRICE.NO TB,12 LEADS,NO TOP RAIN COVER,2 LIFTING EARS,NO KEYBRGS: 6219 & 7226

	UNIT	QTY	UNIT PRICE	EXTENSION
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We are pleased to provide the following work scope and quotation for your consideration:

Large AC Motor Stator Rewind Process to Include:

Incoming Inspection and Disassembly:

Receive motor, perform incoming visual inspection, note any missing or broken parts, note any accessories attached to the unit when received, record full nameplate data including Serial # and complete incoming section of Repair Order. Take photos of special conditions, accessories and their positions. Perform Meg test on stator windings as received. Record incoming readings. Match mark ALL components that could be removed during disassembly process. Disassemble unit completely identifying major components and parts pans with R.O. #. Perform internal visual inspection of all components note any obvious signs of wear, contamination, heating or other damage.

Rotor:

Clean and bake rotor to remove moisture. Paint all non-critical fit surfaces with red insulating sealer. Measure all critical mechanical fits on rotor (i.e. bearing journals, bearing housings, seal surfaces, shaft extension, keyway, etc.) and record results. Measure and record rotor TIR (Total Indicated Run out) readings. Dynamically balance rotor to standards based on operating speed. Perform high current squirrel cage test, identify hot spots with Infrared Gun, mark broken bars, solder connections or porosity with permanent marker. If rotor damage is identified, notify customer immediately with findings and an "Extra Work Authorization" will be requested before proceeding with repairs. Lightly polish shaft extension and apply light coat of protectant.

Parts and Accessories:

Clean and dry all accessories (e.g. space heaters, oilers, oil system plumbing, encoders, winding RTDs, bearing RTDs, overloads, water cooled bearing systems, etc.) to remove moisture. Test / measure all accessories to assure proper operation. Note any non-functioning accessories and provide "Extra Work Authorization" request to customer for repair or replacement of faulty components. Replace or Repair both bearings as needed.

Stator Rewinding:

Perform "Before Roasting" Core Loss test on stator winding & record results. If core loss test proves damaged stator core iron contact customer & quote restack or replacement of motor. If core loss test results are good, remove opposite connection end of winding coils & roast windings in temperature controlled, water suppressed oven. After stator is cooled, dissect connection & winding to determine & record "As Received" winding & connection data. Measure & record stator iron, tooth, slot, etc. data. Record ALL data on winding data card. If winding data is suspect, process winding data through EASA stator rewind software to confirm that the winding is correct based on standard winding design. Remove windings, blast and prepare core for winding. Repair any minor damage to laminations, teeth or stacking plates. Perform "After Roasting" Core Loss test on stator winding and record results. If core loss test proves damaged stator core iron, contact customer and quote restack or replacement of motor. Manufacture new copper coils based on winding data retrieved during winding removal process. Install new copper coils in stator slots using winding data card for proper span and coil configuration. Connect, solder and insulate coils per winding data retrieved during winding removal process. Secure and brace coil end turns as needed to assure rigid end turns and minimize movement. Prepare and mask critical fit surfaces for varnish encapsulation process. Perform Meg, DC Hipot, and Surge comparison tests when winding process is completed before varnish encapsulation process. Record Results. Varnish encapsulate and cure stator and clean excess resin ready for assembly.

Final Assembly, Test and Test Run:



The City of Durant

Solid Waste Landfill

Memorandum

Date: 5/1/2018
To: Utilities Authority
From: Zefe Laborico, Supervisor, Solid Waste Landfill
Re: Landfill Information & Monthly Reports - April 2018

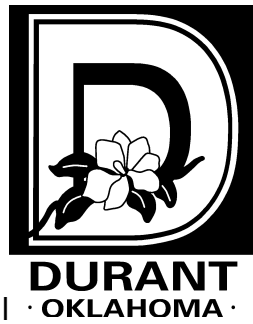
Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
April 2018 Project Schedule	Cover Memo	5/1/2018
April 2018 DEQ Report	Cover Memo	5/1/2018



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE ***April 2018***

A. Work Completed for April:

1. Covered C & D Site
2. Hauled MSW To SORD
3. picked up 370 rolloff's & 10 delivered

B. Work Planned For May:

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.



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: APRIL 2018

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

Permit Number: 3507001

Phone Number: 580-931-6606

Total # of Days open: 24

COMPLETE SECTIONS 5-10 ONLY IF SCALES GO DOWN

D A Y	(1) Total weight accepted (tons)	(2) Weight which is reused or recycled in accordance with facility permit (tons)	(3) Weight accepted from a DEQ approved emergency or special event (tons)	(4) Weight accepted from large industrial waste generators with DEQ exemption certificate (tons)	(5) Time scales placed out of service	(6) Time scales placed into service	(7) Total volume accepted (yd3)	(8) Volume which is reused or recycled in accordance with facility permit (yd3)	(9) Volume accepted from a DEQ approved emergency or special event (yd3)	(10) Volume accepted from large industrial waste generators with DEQ exemption certificate (yd3)
1	0									
2	78.4									
3	102.99									
4	69.19									
5	92.64									
6	15.48									
7	5.05									
8	0									
9	102.58									
10	108.95									
11	93									
12	90.87									
13	91.26									
14	9.82									
15	0									
16	109.87									
17	87.91									
18	16.55									
19	0									
20	132.11									
21	7.98									
22	0									
23	78.16									
24	113.8									
25	65.08									
26	18.71									
27	129.85									
28	20.61									
29	0									
30	122.19									
31	0									
Total	1763.05	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 Department

Memorandum

Date: 5/1/2018
To: Utilities Authority
From: Albert Pierce, Solid Waste Department
Superintendent
Re: Solid Waste Department Monthly Report - May 2018

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Solid Waste Department Monthly Report - April 2018	Exhibit	5/1/2018



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE ***April 2018***

A. Work Completed:

1. Hauled 152.25 tons of extra hauling
2. Hauled 122 loads of extra hauling
3. Picked up and delivered 19 sharps
4. One abatement this month
5. Cleaned Sunny Side rd. 1 time
6. Refurbished 5 dumpsters
7. Replaced 6 dumpsters with new
8. Cleaned dead ends of Cemetery rd. 2 times

B. Work Planned For May

1. Refurbish. dumpsters
- 2.

C. Work Planned For Jan. '1-18 – Dec. 31-18

1. Pick up trash

D. Projects Planned And Requested For Authorization:

1. None.



The City of Durant

Office of City Clerk

Memorandum

Date: 5/2/2018
To: Utilities Authority
From: Stephanie Barfield, Utility Billing Supervisor
Re: Utilities Department Monthly Report - March 2018

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Utilities Department Monthly Report - March 2018	Exhibit	5/2/2018



Monthly Utility Billing,
Cash Collection,
And Consumption Summary

MARCH 2018

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	6828		5960		6879	
Total Revenue Billed	\$253,181.68	\$2,768,507.38	\$204,135.50	\$2,000,253.70	\$352,357.66	\$3,214,458.22
Adjustments in Dollar	(\$6,178.22)	(\$54,641.45)	(\$6,317.36)	(\$70,339.29)	(\$405.25)	(\$17,754.14)
TOTAL CASH RECEIPTS	\$98,250.15	\$2,273,078.42	\$96,203.36	\$1,464,160.46	\$230,980.30	\$2,482,035.06

CONSUMPTION IN GALLONS	64,056,800
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NEW SERVICE APPLICATIONS	102
NUMBER OF WALK IN/PHONE APYMENTS	1,832
MAIL PAYMENTS	1,650
CREDIT CARD PAYMENTS	924
WEB PAYMENTS	900
DROP BOX PAYMENTS	524
BANK DRAFT PAYMENTS	730
CREDIT CARD DRAFT PAYMENTS	198
KIOSK	669
OTHERS	

CITY OF DURANT WASTEWATER TREATMENT PLANT MONTHLY OPERATION REPORT

MONTH OF

APRIL 2018

DAY	DATE	WEATHER		FLOW		PUMPS		INFLUENT DATA				SLUDGE		SBR DATA				DMR					Effluent	Visible Foam or Floating Solids in Discharge/ Comments			
		RAINFALL (in.)	Lo AIR TEMP	INFLUENT (MGD)	EFFLUENT (MGD)	RAW PUMP ONLINE	EFFLUENT PUMP ONLINE	pH	SETTLABLE SOLIDS ml / L	Head work's BOD ₅ REACTOR #3	Over the Weirs BOD ₅	TSS	FEED SLUDGE (GPD)	GBT ONLINE	REACTOR #1 SETTLEABILITY	REACTOR #2 SETTLEABILITY	REACTOR #3 SETTLEABILITY	REACTOR #4 SETTLEABILITY	D.O. mg/L	pH	TSS mg/L	AMMONIA mg/L			CBOD ₅	FECAL COLIFORM #cfu/100ml	Bis(2-Ethylhexyl)phthalate UG/L
S	4/1/18			2.9	2.8	1	4						21072						8.0	7.5							
M	4/2/18		37	2.9	2.5	1	4	6.9	3				21468	58834	900	900	900	900	8.3	7.4							NB
T	4/3/18		68	2.8	2.6	1	4	7.0	15				21404	53775	900	850	900	900	8.1	7.6							NB
W	4/4/18		36	2.5	2.0	1	4	7.1	2	4166	119.4	52	21462	55483	900	900	850	900	8.0	7.5	2.5	0.2	2.4			3	NB
T	4/5/18		42	2.6	2.3	1	4	7.0	10				20986	54637					8.2	7.6							NB
F	4/6/18		57	2.8	2.5	1	4	6.7	9				20052	2254					8.2	7.5							NB
S	4/7/18			2.6	2.4	1	4						21430						8.3	7.5							NB
S	4/8/18			2.9	3.0	1	4						20930						8.3	7.5							NB
M	4/9/18		39	2.9	2.6	1	4	6.8	20				21152	58453	950	750	900	900	8.7	7.6							NB
T	4/10/18		43	2.4	2.3	1	4	6.9	15				20264	57178	900	850	950	950	8.2	7.6							NB
W	4/11/18		49	2.4	2.3	1	4	6.9	1	89.5	136.1	64	21624	26610	900	950	950	950	7.9	7.6	2.9	0.2	2.6				NB
T	4/12/18		58	2.7	2.3	1	4	6.7	1				21384	51811					8.3	7.5							NB
F	4/13/18	.1	70	2.5	2.3	1	4	6.8	10				20470	58897					8.6	7.6							NB
S	4/14/18			2.4	2.1	1	4						21460						9.0	7.7							NB
S	4/15/18			2.3	2.0	1	4						20404						9.0	7.5							CANARY
M	4/16/18		36	2.5	2.2	1	4	7.2	3				21250	56730	980	900	900	950	9.0	7.5							CREEK
T	4/17/18		56	2.4	2.2	1	4	7.2	10				20158	58984	900	825	925	950	7.4	7.4						3	NB
W	4/18/18		64	2.4	2.1	1	4	7.1	3	49.5	111.8	44	21782	58530	900	900	900	900	7.4	7.5	2.7	0.2	2.3				NB
T	4/19/18		54	2.3	2.0	1	4	7.1	7				21822	58329					7.6	7.4							NB
F	4/20/18	.8	44	2.3	2.2	1	4	6.8	3				20558	58030					7.5	7.4							NB
S	4/21/18			2.4	2.3	1	4						21058						7.4	7.5							NB
S	4/22/18			2.5	2.3	1	4						21234						7.4	7.5							NB
M	4/23/18		54	2.5	2.3	1	4	7.1	2				21584	55086	900	950	900	950	7.0	7.6							NB
T	4/24/18		51	2.4	2.8	1	4	7.1	3				21502	58317	950	850	850	900	7.4	7.5							NB
W	4/25/18	2.4	59	2.4	2.3	1	4	7.0	1	247.7	167.1	64	21456	55890	950	900	950	975	7.6	7.5	3.6	0.2	2.8				NB
T	4/26/18		46	2.5	2.2	1	4						20292	58330					7.9	7.6							NB
F	4/27/18		49	2.2	2.3	1	4	6.8	5				21488	58732					7.6	7.5							NB
S	4/28/18			2.0	1.8	1	4						21452						7.3	7.5							NB
S	4/29/18			2.1	2.2	1	4						20640						7.3	7.6							NB
M	4/30/18		60	2.1	2.1	1	4	7.1	1				21568	55975	950	850	925	900	7.4	7.5							NB

Process Water and Sludge Flow Report

April 2018

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)
4/1/2018	2.568	0.031	0.282	2.880	2.789	0.058	0.000	0.000	10.098
4/2/2018	2.677	0.073	0.189	2.940	2.531	58.834	0.000	0.000	10.734
4/3/2018	2.569	0.075	0.194	2.838	2.598	55.775	0.000	0.000	10.702
4/4/2018	2.251	0.102	0.177	2.530	2.032	55.483	0.000	0.000	10.731
4/5/2018	2.332	0.073	0.182	2.587	2.289	54.637	0.000	0.000	10.493
4/6/2018	2.411	0.040	0.312	2.763	2.544	2.254	0.000	0.000	10.026
4/7/2018	2.293	0.032	0.289	2.613	2.438	0.004	0.000	0.000	10.715
4/8/2018	2.607	0.027	0.232	2.866	3.003	0.004	0.000	0.000	10.465
4/9/2018	2.576	0.077	0.209	2.861	2.598	58.453	0.000	0.000	10.576
4/10/2018	2.394	0.072	0.161	2.628	2.312	57.178	0.000	0.000	10.132
4/11/2018	2.388	0.072	0.195	2.655	2.314	56.610	0.000	0.000	10.812
4/12/2018	2.314	0.144	0.201	2.659	2.315	51.811	0.000	0.000	10.692
4/13/2018	2.186	0.087	0.223	2.496	2.301	58.897	0.000	0.000	10.235
4/14/2018	2.055	0.027	0.288	2.370	2.080	0.002	0.000	0.000	10.730
4/15/2018	2.117	0.027	0.215	2.359	2.037	0.007	0.000	0.000	10.202
4/16/2018	2.210	0.074	0.182	2.467	2.156	56.730	0.000	0.000	10.625
4/17/2018	2.197	0.075	0.186	2.457	2.224	58.984	0.000	0.000	10.079
4/18/2018	2.124	0.076	0.199	2.399	2.011	58.531	0.000	0.000	10.891
4/19/2018	2.034	0.072	0.186	2.293	1.982	58.329	0.000	0.000	10.911
4/20/2018	1.929	0.077	0.253	2.258	2.172	58.030	0.000	0.000	10.279
4/21/2018	2.123	0.033	0.300	2.456	2.284	0.000	0.000	0.000	10.529
4/22/2018	2.188	0.033	0.259	2.479	2.290	0.000	0.000	0.000	10.617
4/23/2018	2.231	0.075	0.213	2.520	2.261	55.087	0.000	0.000	10.792
4/24/2018	2.147	0.077	0.175	2.399	2.175	58.318	0.000	0.000	10.751
4/25/2018	2.174	0.072	0.200	2.446	2.283	55.890	0.000	0.000	10.728
4/26/2018	2.192	0.094	0.215	2.501	2.203	58.330	0.000	0.000	10.146
4/27/2018	1.898	0.074	0.257	2.229	2.307	58.732	0.000	0.000	10.744
4/28/2018	1.704	0.029	0.310	2.044	1.828	0.021	0.000	0.000	10.726
4/29/2018	1.864	0.031	0.222	2.117	2.221	0.006	0.000	0.000	10.320
4/30/2018	1.870	0.085	0.193	2.148	2.065	55.975	0.000	0.000	10.784

Sum	66.624	1.938	6.698	75.260	68.646	1142.970	0.000	0.000	316.268
Avg	2.221	0.065	0.223	2.509	2.288	38.099	0.000	0.000	10.542
Min	1.704	0.027	0.161	2.044	1.828	0.000	0.000	0.000	10.026
Max	2.677	0.144	0.312	2.940	3.003	58.984	0.000	0.000	10.911



The City of Durant

Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK COMPLETED IN APRIL 2018

- 1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
- 2: CLEAN CLARIFIER WEIRS (not needed)
- 3: CLEAN BLEND TANK MIXER 4-26-18
- 4: CLEAN EFFLUENT PUMP STATION -----
- 5: CLEAN RAW WATER PUMP STATION -----
- 6: CLEAN SCUM PUMP STATION (not needed)
- 7: CLEAN DRAIN LIFT STATION 4/1/18
- 8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER 4/3/18
- 9: CALIBRATE DISCHARGE DO & PH METER 4/17/18
- 10: CHECK CALIBRATION OF DISCHARGE FLOW METER 4/9/18
- 11: RESET SBR PLC (not needed)
- 12: WASH DOWN STEP SCREEN 4/18/18
- 13: CLEAN UV TROUGHS AND FLUME 4/6/18
- 14: CHECK ELECTRIC MANHOLES 4/1/18
- 15: CLEAN OUT BUILDINGS 4/30/18
- 16: MANUALLY CHECK U.V. BULBS 4/19/18
- 17: WASH DOWN CASINO STEPSCREEN 4/15/18
- 18: CHECK ALL AUTOMATIC VALVES (ok)
- 19: VEHICLE INSPECTION 4/23/18
- 20: WALK-THRU INSPECTION 4/2/18
- 21: CLEAN ALL PLC's (ok)
- 22: CLEAN D.O. METERS (ok)
- 23: CHECK CLARIFIER OIL WEEKLY 4/9/18-4/18/18
- 24: REPAIR DIGESTER FLOW METER
- 25:REPAIR #3 DIGESTER MIXER 4/15/18
- 26:CLEAN UV MODULES 4/11/18
- 27:REPLACED POLYMER FEED PUMP 4/25/18
- 28:REPAIRED WIRING SHORTS ON 2 AND 4 EFFLUENT VALVE 4/27/18 AND 4/30/18
- 29:REPAIRED WIRING SHORTS IN DIESEL GENERATOR BATTERY CHARGER

TREATED 75,260 MG OF WASTEWATER
PROCESSED 1.142970 MG OF TREATED SLUDGE

B: WORK PLANNED FOR MAY 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: REPAIR DIGESTER FLOW METER
- 25:REPAIR #3 DIGESTER MIXER
- 26:CLEAN UV MODULES



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

04/1/18 to 04/30/18

Tests Processed

<u>77</u>	Bac-t's
<u>84</u>	BOD's
<u>20</u>	TSS's
<u>12</u>	NH3's
<u>8</u>	DO's
<u>4</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 Industry Inspections
- Pretreatment Reports
- Storm water Report



The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 5/3/2018
To: Utilities Authority
From: Phillip Hightower, Water Treatment Plant
Re: Water Treatment Plant Monthly Reports - April 2018

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
April MOR #1	Cover Memo	5/3/2018
April MOR #2	Cover Memo	5/3/2018
April CLO2 and Chlorite Report	Cover Memo	5/3/2018
April Maintance Report	Cover Memo	5/3/2018

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

System

Address

City

ZIP

PWSID: 1010601

Population: 19.491

Population:	<u>19,491</u>
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☒ Rapid Rate Filter

☐ Slow Sand Filter

Slow Sand Filter	No. OF	% OF TOTAL
	SAMPLES	SAMPLES
TURBIDITY GREATER THAN 0.5 NTU:	0	0%
TURBIDITY GREATER THAN 0.3 NTU:	0	0%
TURBIDITY GREATER THAN 0.1 NTU:	18	10%

TOTAL NO. OF TURBIDITY ANALYSES:	180
----------------------------------	-----

HIGHEST TURBIDITY READING	0.14	◀
NUMBER OF SAMPLES > 1 NTU	0	◀
NUMBER OF SAMPLES > 5 NTU	0	◀
95TH PERCENTILE OF FINISHED WATER TURBIDITY	0.12	◀ NOT REQUIRED
95TH PERCENTILE OF SETTLED WATER TURBIDITY	3.01	◀ NOT REQUIRED
CHLORINE RESIDUAL < 1.0 mg/l LEAVING PLANT (# Samples)		

INDIVIDUAL FILTER TURBIDITY CHECKLIST

☒ 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	8.76	1.3	2.3	0.08	0.13	0.14	0.13	0.09	0.08	2.13	2.64	2.87	2.79	2.73	2.43	1.88	1.69		
2	9.42	1.6	1.8	0.07	0.06	0.10	0.07	0.05	0.05	2.44	2.52	2.67	2.92	2.87	2.62	1.63	1.59		
3	8.28	1.6	1.8	0.05	0.04	0.11	0.10	0.06	0.06	2.62	2.71	2.83	2.73	2.68	1.99	2.25	1.58		
4	10.83	1.7	1.7	0.06	0.06	0.08	0.05	0.05	0.05	2.06	2.38	2.61	2.88	2.61	1.97	1.58	1.58		
5	15.36	2.1	1.9	0.05	0.05	0.10	0.08	0.06	0.06	2.04	2.40	2.66	2.64	2.68	2.24	1.83	1.50		
6	10.05	2	1.8	0.06	0.06	0.05	0.06	0.07	0.08	2.39	2.58	2.70	2.46	2.38	2.13	1.45	1.46		
7	12.22	2.8	2.6	0.08	0.11	0.11	0.09	0.08	0.07	2.16	2.33	2.66	2.35	2.20	1.79	1.44	2.03		
8	15.56	2.9	2.3	0.07	0.07	0.07	0.13	0.13	0.11	1.78	1.83	1.83	1.97	2.00	1.63	1.55	1.39		
9	14.78	2.8	2.7	0.14	0.14	0.11	0.08	0.07	0.08	1.84	2.02	2.07	1.97	1.97	1.56	1.22	1.47		
10	14.86	2.7	2.6	0.08	0.08	0.08	0.12	0.12	0.08	1.59	1.89	1.97	2.15	2.06	2.01	1.44	0.96	switch to Blue River 9:00	
11	10.06	1.5	2.3	0.12	0.09	0.05	0.03	0.03	0.03	2.04	2.67	2.38	3.03	2.63	2.30	0.97	0.87		
12	9.71	2.4	2.2	0.08	0.05	0.06	0.04	0.03	0.03	2.33	2.53	2.50	1.93	2.23	2.08	2.21	1.10		
13	9.68	2.3	2	0.08	0.08	0.03	0.03	0.03	0.03	2.06	2.09	2.21	2.05	2.05	2.14	1.22	1.25		
14	13.22	1.9	3.3	0.03	0.03	0.03	0.03	0.04	0.04	2.16	2.17	2.18	2.19	2.17	2.14	1.25	1.81		
15	19.11	1.8	2.8	0.08	0.06	0.08	0.06	0.04	0.05	2.11	2.09	2.09	2.34	2.28	2.10	1.24	1.72		
16	10.05	2.9	2.7	0.08	0.06	0.04	0.04	0.04	0.04	2.09	2.30	2.30	2.40	2.42	2.40	1.74	1.30		
17	8.10	2	2.1	0.07	0.09	0.04	0.04	0.04	0.04	2.45	2.66	2.65	2.15	2.41	2.50	1.26	1.37		
18	9.02	2.4	2.4	0.08	0.06	0.07	0.05	0.05	0.05	2.47	2.62	2.51	2.41	2.22	2.18	2.10	1.39		
19	10.48	1.5	2.7	0.09	0.05	0.06	0.05	0.05	0.05	2.23	2.48	2.49	2.58	2.41	2.44	1.50	2.03		
20	10.17	2.6	2.9	0.05	0.08	0.05	0.05	0.04	0.04	2.45	2.53	2.74	2.60	2.59	2.49	1.45	2.01		
21	11.12	1.5	2.3	0.08	0.05	0.04	0.04	0.04	0.03	2.55	2.67	2.81	2.71	2.68	2.67	2.20	1.61		
22	27.77	1.1	1.5	0.07	0.05	0.05	0.04	0.05	0.05	2.65	2.64	2.69	2.57	2.52	2.32	1.65	2.32		
23	13.20	2.5	2.2	0.11	0.05	0.04	0.04	0.04	0.04	2.31	2.26	2.31	2.15	2.29	2.25				



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: April Year: 2018

3. Analytical Results & Summary Information:

Entry Point Monitoring			<u>Chlorine Dioxide Daily Monitoring (Summary Type: CLO2)</u>					
Day	ClO ₂ (mg/L)	Chlorite (mg/L)						
1	0.06	0.47	Number of Samples Required:					
2	0.1	0.71	Number of Samples Collected:					
3	0.11	0.47	Was All Chlorine Dioxide Monitoring & Reporting Completed? Yes / No					
4	0.13	0.52	Number of ClO ₂ samples exceeded the MRDL of 0.8 mg/L?					
5	0.17	0.47	If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.					
6	0.13	0.66	<u>Chlorite Daily Monitoring (Summary Type: CLO2)</u>					
7	0.2	0.61	Number of Samples Required:					
8	0.12	0.71	Number of Samples Collected:					
9	0.12	0.57	Was All Chlorite Monitoring & Reporting Completed? Yes / No					
10	0.09	0.76	Number of Chlorite samples exceeded the MCL of 1.0 mg/L?					
11	0.33	0.71	If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.					
12	0.25	0.47	* 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	0.1	0.9						
14	0.18	0.95						
15	0.16	0.85	<u>Routine Chlorite Monthly Monitoring in Distribution System</u>					
16	0.09	0.9	Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
17	0.11	0.95	Near 1st Customer					
18	0.07	0.95	Avg. Residence Time					
19	0.15	0.85	Max. Residence Time					
20	0.16	0.71	Monitoring Period Average:					
21	0.16	0.66	Mark (X) if analytical results were reported electronically: _____ - If the arithmetic average of any three sample set exceeds the Chlorite MCL (1.0 mg/L), the system is in violation of the MCL. - If more than one three-sample set was collected, attach additional copies of this form.					
22	0.12	0.85						
23	0.13	0.8						
24	0.07	0.76						
25	0.14	0.8						
26	0.14	0.8						
27	0.12	0.61						
28	0.24	0.66						
29	0.13	0.76						
30	0.17	0.71						
31								

Signature of owner or operator: _____

Date: _____

Operator License Number _____

Send all documents to:

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

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



THE CITY OF DURANT

Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule April 2018 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. Attended monthly safety meeting
16. Fixed vacuum leak on CL feed line
17. Put valve actuator on #8 surface wash valve
18. Fixed chlorinator for 150lbs CL2 bottles
19. Replaced door knobs on old pump building and new filter building
20. Mowed Plant grounds
21. Weed eaten Plant grounds
22. Mowed 1st, 13th, Chuckwa and Big lot towers and sprayed around them
23. Fixed flat on lawn mower
24. Fixed water leak on polymer line
25. Fixed valve top for valve handle on valve at Chuckwa Tower
26. Replaced blown fuse on South CLO2 generator
27. Replaced catch release cable on driver side door of the 4x4 pickup
28. Fixed potholes in the driveway of the plant
29. Treated 119,616,000 gallons of water

B. Work Planned for January-December

Approx Start/Finish Date

- | | |
|---|---------------------|
| 1. Paint buildings | Time permitting |
| 2. Install rebuilt motor at High Service | When it is received |
| 3. Finish covering up valves at Chuckwa Tower | Time Permitting |
| 4. Put Gravel at Chuckwa Tower | Time Permitting |
| 5. Put Gravel at Raw Pump Station | 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
- C. Install new Fluoride System