

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**

August 14, 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 July 10, 2018
- b. Consider Approval of Amendment # 1 with T-Mobile USA for an Extension of the Original Contract Dated December 26, 1999 for Space on City of Durant Water Tower located at 27 West Arkansas

2. Consider Items Removed from Consent

3. Administration

4. Information Items

- a. Landfill Information & Reports - July 2018
- b. Solid Waste Department Monthly Report - July 2018
- c. Water Treatment Plant Monthly Report - July 2018
- d. Waste Water Treatment Plant Monthly Report - July 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 4:45 p.m. on the 10th day of August, 2018.

Cynthia J. Price, City of Durant



The City of Durant

Office of City Clerk

Memorandum

Date: 7/19/2018
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of July 10, 2018

Council Information / Action Requested

Approval of Regular Meeting Minutes of July 10, 2018

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

ATTACHMENTS:

Description	Type	Upload Date
Minutes 7.10.2018	Exhibit	7/19/2018

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 5:30 p.m. on the 6th day of July, 2018.

MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY UTILITIES AUTHORITY OF July 10, 2018 AT 6:00 PM, Roscoe J. Hatfield Council Chambers, 300 West Evergreen, Durant, Oklahoma
CALL TO ORDER

Mayor Tomlinson called the meeting to order at 9:00 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
Chairman Jerry Tomlinson	

Absent: Vice Chairman Chad Hitchcock (*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 June 12, 2018 Approved

Motion was made by Destry Hawthorne and seconded by Mike Dills to approve consent item as presented.

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Tomlinson

Absent: Hitchcock

2. Consideration Items Removed from Consent

3. Administration

- a. Consider Approval of Request for Authorization to Purchase to Esbenshade, Inc. for Sludge Disposal FY 2018-2019 (RFAP #2019-014)

Approved

Marty Cook, Public Works Director,, addressed the Authority Board and stated this is a standard and routine item. Funds need to be made available for the new 2018-2019 fiscal year. Mr. Cook recommended approval.

Motion was made by Destry Hawthorne and seconded by Mike Dills to approve Request for Authorization to Purchase to Esbenshade, Inc. for sludge disposal FY 2018-2019 (RFAP #2019-14).

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Tomlinson

Absent: Hitchcock

- b. Consider Approval of Request for Authorization to Purchase to Southern Oklahoma Regional Disposal Inc. (SORD) for Solid Waste Disposal Fees for FY 2018-19 (RFAP #2019-15)

Approved

Marty Cook, Public Works Director,, addressed the Authority Board and stated this is a standard and routine item. Funds need to be made available for the new 2018-2019 fiscal year. Mr. Cook recommended approval.

Motion was made by Destry Hawthorne and seconded by Oden Grube to approve Request for Authorization to Purchase to Southern Oklahoma Regional Disposal Inc. (SORD) for Solid Waste Disposal Fees for FY 2018-2019 (RFAP #2019-15).

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Tomlinson

Absent: Hitchcock

- c. Consider Approval of Request for Authorization to Purchase for Chemicals to be Used at the Water Treatment Plant (RFAP#2019-30)

Approved

Marty Cook, Public Works Director, addressed the Authority Board and stated this is a standard and routine item. Funds need to be made

available for the new 2018-2019 fiscal year. Mr. Cook recommended approval.

Motion was made by Destry Hawthorne and seconded by Mike Dills to approve Request for Authorization to Purchase for chemicals to be used at the Water Treatment Plant (RFAP #2019-30).

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Tomlinson

Absent: Hitchcock

- d. Consider Approval of Hach Service Agreement for Water Treatment Plant

Approved

Marty Cook, Public Works Director, addressed the Authority Board and stated this is a standard and routine item. This company calibrates lab and inline instruments on a quarterly basis. Funds need to be made available for the new 2018-2019 fiscal year. Mr. Cook recommended approval.

Motion was made by Destry Hawthorne and seconded by Mike Dills to approve Hach Service Agreement for Water Treatment Plant.

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Tomlinson

Absent: Hitchcock

- e. Consider Approval of Service Agreement with Evoqua Water Technologies LLC for Water Treatment Plant

Approved

Marty Cook, Public Works Director, addressed the Authority Board and stated this is a standard and routine item. This agreement would allow a discount on sodium chlorite used to make sodium dioxide. Funds need to be made available for the new 2018-2019 fiscal year. Mr. Cook recommended approval.

Motion was made by Destry Hawthorne and seconded by Mike Dills to approval of service agreement with Evoqua Water Technologies LLC for Water Treatment Plant.

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Tomlinson

Absent: Hitchcock

- f. Consider Approval of Resolution 2018-18 - A Resolution to Approve Water and Sewer Infrastructure of Country Estates VI
Approved

Matt Nahrstedt, Community Development Director and City Planner, addressed the Authority Board and stated Country Estates VI is surrounded by city but actually is county land. Mr. Nahrstedt stated there was an agreement between the developer and the City of Durant for the developer to construct water and sewer infrastructure up to city specifications and then upon approval by council, the City will take it on as city infrastructure. This agreement is for water and sewer infrastructure only. The developer will retain the infrastructure for one year while it is under warranty and then the city would take over maintenance and operation. Mr. Cook recommended approval.

Motion was made by Destry Hawthorne and seconded by Mike Dills to approve Resolution 2018-18 to approve water and sewer infrastructure of Country Estates VI.

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Tomlinson

Absent: Hitchcock

4. Information Items

- a. Landfill Information & Reports - June 2018
- b. Solid Waste Department Monthly Report - June 2018
- c. Utilities Department Monthly Report - May 2018
- d. Waste Water Treatment Plant and Lab Monthly Report - June 2018
- e. Water Treatment Plant Monthly Reports - June 2018

Adjournment

Motion was made by Destry Hawthorne and seconded by Mike Dills to adjourn meeting.

Motion Passed with the following vote:

Ayes: Dills, Grube, Hawthorne, Tomlinson

Absent: Hitchcock



The City of Durant

Public Works Director

Memorandum

Date: 7/24/2018
To: Utilities Authority
From: Marty Cook - Public Works Director
Re: Consider Approval of Amendment # 1 with T-Mobile USA for an Extension of the Original Contract Dated December 26, 1999 for Space on City of Durant Water Tower located at 27 West Arkansas

This is a longstanding agreement with T-Mobile for space on the City of Durant water tower located at 27 West Arkansas. This amendment would merely extend their lease for 4 additional and successive 5 year terms.

Council Information / Action Requested

Approve / Deny Amendment 1

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

ATTACHMENTS:

Description	Type	Upload Date
Amendment 1	Cover Memo	8/6/2018
Original Contract	Cover Memo	8/6/2018

FIRST AMENDMENT TO TOWER LEASE WITH OPTION

This First Amendment to Tower Lease with Option (the "**Amendment**") is effective as of the date of execution by the last party to sign (the "**Effective Date**") by and between The City of Durant, a Municipality ("**Landlord**") and T-Mobile Central LLC, a Delaware limited liability company ("**Tenant**") (collectively, the "**Parties**").

Landlord and Tenant (or their predecessors-in-interest) entered into that certain Tower Lease with Option dated October 26, 1999, (the "**Lease**") regarding Landlord's leased area ("**Premises**") located at 27 West Arkansas St, Durant, OK 74701 (the "**Property**").

NOW, for good and valuable consideration, Landlord and Tenant agree as follows:

1. The Lease is in full force and effect and neither Landlord nor Tenant is in breach under the terms of the Lease.
2. At the expiration of the Lease, the Term of the Lease will automatically be extended for four (4) additional and successive five (5) year terms (each a "**Renewal Term**"), provided, that Tenant may elect not to renew by providing Landlord thirty (30) days' notice prior to the expiration of the then current Renewal Term.
3. At the commencement of the first Renewal Term provided for in this Amendment, Tenant shall pay Landlord One Thousand Ninety-Three and 13/100 Dollars (\$1,093.13) per month ("**Rent**") in advance, by the fifth day of each month. Any Rent previously paid from and after the commencement of the first Renewal Term provided for in this Amendment shall be offset against the new Rent. Rent shall be adjusted, effective on the first day of the second Renewal Term and each subsequent Renewal Term, by an amount equal to fifteen percent (15%) over the Rent for the immediately preceding Renewal Term.
4. Any charges payable under the Lease other than Rent shall be billed by Landlord to Tenant within twelve (12) months from the date in which the charges were incurred or due; otherwise the same shall be deemed time-barred and be forever waived and released by Landlord.
5. All notices, requests, demands and other communications shall be in writing and shall be effective three (3) business days after deposit in the U.S. mail, certified, return receipt requested or upon receipt if personally delivered or sent via a nationally recognized courier to the addresses set forth below. Landlord or Tenant may from time to time designate any other address for this purpose by providing written notice to the other party.

If to Tenant:

T-Mobile USA, Inc.
12920 SE 38th Street
Bellevue, WA 98006
Attn: Lease Compliance/ DA03202A

If to Landlord:

Durant City Utilities Authority
300 West Evergreen Street
Durant, OK 74701

6. Tenant and Landlord will reasonably cooperate with each other's requests to approve permit applications and other documents related to the Property.
7. Landlord will execute a Memorandum of Lease at Tenant's request. If the Property is encumbered by a deed, mortgage, or other security interest, Landlord will also execute a subordination, non-disturbance, and attornment agreement.
8. Except as expressly set forth in this Amendment, the Lease otherwise is unmodified. To the extent any provision contained in this Amendment conflicts with the terms of the Lease, the terms and provisions of this Amendment shall control. Each reference in the Lease to itself shall be deemed also to refer to this Amendment.
9. This Amendment may be executed in duplicate counterparts, each of which will be deemed an original. Signed electronic copies of this Amendment will legally bind the Parties to the same extent as originals.
10. Each of the Parties represents and warrants that it has the right, power, legal capacity and authority to enter into and perform its respective obligations under this Amendment.

IN WITNESS, the Parties execute this Amendment as of the Effective Date.

Landlord:

The City of Durant, a Municipality

By: _____
Print Name: _____
Title: _____
Date: _____

Tenant:

T-Mobile Central LLC, a Delaware limited liability company

By: 
Print Name: Allan Tantillo
Title: Sr. Director, National Site Development
Date: 7/17/2018

Kelly Dunham 7/2/18
T-Mobile Contract Attorney
as to form

TOWER LEASE WITH OPTION

THIS TOWER LEASE WITH OPTION ("Lease") is by and between The City of Durant, a Municipality ("Landlord") and VoiceStream PCS BTA I Corporation, a Delaware corporation ("Tenant").

1. Option to Lease

(a) In consideration of the payment of Six Hundred Twenty-Five and No/100 Dollars (\$625.00) (the "Option Fee") by Tenant to Landlord, Landlord hereby grants to Tenant an option to lease the use of a portion of the tower and real property described in the attached Exhibit A (the "Property"), on the terms and conditions set forth herein (the "Option"). The Option shall be for an initial term of twelve (12) months, commencing on the Effective Date (as defined below) and ending October 4, 2000 (the "Option Period").

(b) During the Option Period, and during the term of this Lease, Landlord agrees to cooperate with Tenant in obtaining, at Tenant's expense, all licenses and permits or authorizations required for Tenant's use of the Premises (as defined below) from all applicable government and/or regulatory entities (including, without limitation, zoning and land use authorities, and the Federal Communication Commission ("FCC") (the "Governmental Approvals"), including appointing Tenant as agent for all land use and zoning permit applications, and Landlord agrees to cooperate with and to allow Tenant, at no cost to Landlord, to obtain a title report, zoning approvals and variances, land-use permits, and Landlord expressly grants to Tenant a right of access to the Property to perform surveys, soils tests, and other engineering procedures or environmental investigations on the Property, necessary to determine that Tenant's use of the Premises will be compatible with Tenant's engineering specifications, system design, operations and Governmental Approvals. During the Option Period, Tenant may exercise the Option by so notifying Landlord in writing, at Landlord's address in accordance with Section 12 hereof.

(c) If Tenant exercises the Option, then, subject to the following terms and conditions, Landlord hereby leases to Tenant the use of that portion of the tower and Property, together with easements for access and utilities, described and depicted in the attached Exhibit B (collectively referred to hereinafter as the "Premises"). The Premises, located at Lot 2, Block 225, Durant, OK 74701 comprises approximately 625 square feet.

2. Term. The initial term of the Lease shall be five (5) years commencing on the date of exercise of the Option (the "Commencement Date"), and terminating at midnight on the last day of the initial term (the "Initial Term").

3. Permitted Use. The Premises may be used by Tenant for, among other things, the transmission and reception of radio communication signals and for the construction, installation, maintenance, repair or replacement of related facilities, tower and base, antennas, microwave dishes, equipment shelters, and related activities.

4. Rent. Tenant shall pay Landlord, as rent, Six Hundred Twenty-Five and No/100 Dollars (\$625.00) per month ("Rent"). Rent shall be payable in advance beginning on the Commencement Date for the remainder of the month in which the Commencement Date falls and for the following month, and thereafter rent will be payable monthly in advance on the fifth day of each month for the following month to Durant City Utilities Authority at Landlord's address specified in Section 12 below. If this Lease is terminated at a time other than on the last day of a month, Rent shall be prorated as of the date of termination for any reason other than a default by Tenant, and all prepaid Rent shall be refunded to Tenant.

5. Renewal. Tenant shall have the right to extend this Lease for three (3) additional, five-year terms ("Renewal Term"). Each Renewal Term shall be on the same terms and conditions as set forth herein, except that rent shall be increased by fifteen percent (15%) of the rent paid over the preceding term. This Lease shall automatically renew for each successive Renewal Term unless Tenant notifies Landlord, in writing, of Tenant's intention not to renew this Lease, at least sixty (60) days prior to the expiration of the Initial Term or any Renewal Term. If Tenant shall remain in possession of the Premises at the expiration of this Lease or any Renewal Term without a written agreement, such tenancy shall be deemed a month-to-month tenancy under the same terms and conditions of this Lease.

6. Interference. Tenant shall not use the Premises in any way which interferes with the use of the Property by Landlord, or lessees or licensees of Landlord, with rights in the Property prior in time to Tenant's (subject to Tenant's rights under this Lease, including without limitation, non-interference). Similarly, Landlord shall not use, nor shall Landlord permit its licensees, employees, invitees or agents to use, any portion of the Landlord's properties in any way which interferes with the operations of Tenant. Such interference shall be deemed a material breach by the interfering party, who shall, upon written

notice from the other, be responsible for terminating said interference. In the event any such interference does not cease promptly, the parties acknowledge that continuing interference may cause irreparable injury and, therefore, the injured party shall have the right, in addition to any other rights that it may have at law or in equity, to bring a court action to enjoin such interference or to terminate this Lease immediately upon written notice.

7. Improvements; Utilities; Access.

(a) Tenant shall have the right, at its expense, to erect and maintain on the Premises improvements, personal property and facilities necessary to operate its system, including, without limitation, radio transmitting and receiving antennas, microwave dishes, equipment shelters, and related cables and utility lines (collectively the "Antenna Facilities"). The Antenna Facilities shall be initially configured generally as set forth in the attached Exhibit C. Tenant shall have the right to replace or upgrade the Antenna Facilities at any time during the term of this Lease. Tenant shall cause all construction to occur lien-free and in compliance with all applicable laws and ordinances. The Antenna Facilities shall remain the exclusive property of Tenant. Tenant shall have the right to remove the Antenna Facilities at any time during and upon termination of this Lease so long as Tenant is not in default under this Lease.

(b) Tenant, at its expense, may use any and all appropriate means of restricting access to the Antenna Facilities, including, without limitation, the construction of a fence.

(c) Tenant shall pay any additional utilities charges due to Tenant's use. Tenant shall have the right to install utilities, at Tenant's expense, and to improve the present utilities on the Premises (including, but not limited to, the installation of emergency power generators). Tenant shall, wherever practicable, install separate meters for utilities used on the Property. In the event separate meters are not installed, Tenant shall pay the periodic charges for all utilities attributable to Tenant's use.

(d) As partial consideration for Rent paid under this Lease, Landlord hereby grants Tenant an easement ("Easement") for ingress, egress, and access (including access for the purposes described in Section 1) to the Premises adequate to install and maintain utilities, which include, but are not limited to, the installation of power and telephone service cable, and to service the Premises and the Antenna Facilities at all times during the Initial Term of this Lease or any Renewal Term. Any Easement provided hereunder shall have the same term as this Lease.

(e) Tenant shall have 24-hours-a-day, 7-days-a-week access to the Premises at all times during the Initial Term of this Lease and any Renewal Term.

8. Termination. Except as otherwise provided herein, this Lease may be terminated, without any penalty or further liability as follows:

(a) upon thirty (30) days written notice by Landlord for failure to cure a material default for payment of amounts due under this Lease within that thirty (30) day period;

(b) upon thirty (30) days written notice by either party if the other party defaults and fails to cure or commence curing such default within that 30-day period, or such longer period as may be required to diligently complete a cure commenced within that 30-day period;

(c) immediately if Tenant notifies Landlord of unacceptable results of any title report, environmental or soil tests prior to Tenant's installation of the Antenna Facilities on the Premises, or if Tenant is unable to obtain, maintain, or otherwise forfeits or cancels any license (including, without limitation, an FCC license), permit or Governmental Approval necessary to the installation and/or operation of the Antenna Facilities or Tenant's business;

(d) upon ninety (90) days written notice by Tenant if the Premises are or become unacceptable under Tenant's design or engineering specifications for its Antenna Facilities or the communications system to which the Antenna Facilities belong;

(e) immediately upon written notice if the Premises or the Antenna Facilities are destroyed or damaged so as in Tenant's reasonable judgment to substantially and adversely affect the effective use of the Antenna Facilities. In such event, all rights and obligations of the parties shall cease as of the date of the damage or destruction, and Tenant shall be entitled to the reimbursement of any Rent prepaid by Tenant. If Tenant elects to continue this Lease, then all Rent shall abate until the Premises and/or Antenna Facilities are restored to the condition existing immediately prior to such damage or destruction; or

(f) at the time title to the Property transfers to a condemning authority, pursuant to a taking of all or a portion of the Property sufficient in Tenant's determination to render the Premises unsuitable for Tenant's use. Landlord and Tenant shall each be entitled to pursue their own separate awards with respect to such taking. Sale of all or part of the Property to a

purchaser with the power of eminent domain in the face of the exercise of the power shall be treated as a taking by condemnation.

9. Taxes. Tenant shall pay any personal property taxes assessed on, or any portion of such taxes attributable to, the Antenna Facilities. In the event that Landlord fails to pay any real property taxes or other fees and assessments attributable to the Property, Tenant shall have the right, but not the obligation, to pay said taxes and deduct them from Rent amounts due under this Lease.

10. Insurance and Subrogation.

(a) Tenant will provide Commercial General Liability Insurance in an aggregate amount of One Million and no/100 Dollars (\$1,000,000.00) and name Landlord as an additional insured on the policy or policies. Tenant may satisfy this requirement by obtaining the appropriate endorsement to any master policy of liability insurance Tenant may maintain.

(b) Landlord and Tenant hereby mutually release each other (and their successors or assigns) from liability and waive all right of recovery against the other for any loss or damage covered by their respective first party property insurance policies for all perils insured thereunder. In the event of such insured loss, neither party's insurance company shall have a subrogated claim against the other.

11. Hold Harmless. Tenant agrees to hold Landlord harmless from claims arising from the installation, use, maintenance, repair or removal of the Antenna Facilities, except for claims arising from the negligence or intentional acts of Landlord, its employees, agents or independent contractors.

12. Notices. All notices, requests, demands and other communications hereunder shall be in writing and shall be deemed given if personally delivered or mailed, certified mail, return receipt requested, or sent by overnight carrier to the following addresses:

If to Tenant, to:

VoiceStream PCS BTA I Corporation, a Delaware Corporation
3650 - 131st Avenue SE, Suite 400
Bellevue, WA 98006
Telephone: (425) 586-8700
Facsimile (425) 586-8040
Attn: PCS Leasing Administrator
With a copy to: Attn: Legal Department

If to Landlord, to:

Durant City Utilities Authority
300 West Evergreen St.
Durant, OK 74701
Attn: George Black
Telephone: 580-924-8515
Facsimile: 580-924-3490

13. Quiet Enjoyment, Title and Authority. Landlord covenants and warrants to Tenant that (i) Landlord has full right, power and authority to execute this Lease; (ii) it has good and unencumbered title to the Premises free and clear of any liens or mortgages, except those disclosed to Tenant which will not interfere with Tenant's rights to or use of the Premises; and (iii) execution and performance of this Lease will not violate any laws, ordinances, covenants, or the provisions of any mortgage, lease, or other agreement binding on Landlord. Landlord covenants that at all times during the term of this Lease, Tenant's quiet enjoyment of the Premises or any part thereof shall not be disturbed as long as Tenant is not in default beyond any applicable grace or cure period.

14. Environmental Laws. Landlord represents that it has no knowledge of any substance, chemical or waste (collectively "Hazardous Substance") on the Property that is identified as hazardous, toxic or dangerous in any applicable federal, state or local law or regulation. Tenant shall not introduce or use any such substance on the Property in violation of any applicable law. Landlord shall be responsible for, and shall promptly conduct any investigation and remediation as required by any applicable environmental laws, all spills or other releases of Hazardous Substance not caused solely by Tenant, that have occurred or which may occur on the Property. Each party agrees to defend, indemnify and hold the other harmless from and against any and all claims, causes of action, demands and liability including, but not limited to, damages, costs, expenses, assessments, penalties, fines, losses, judgments and attorney's fees that the indemnitee may suffer due to the existence or discovery of any Hazardous Substance on the Property or the migration of any Hazardous Substance to other properties or released into the environment, that relate to or arise from the indemnitor's activities during or prior to the commencement of this Lease. The indemnifications in this section specifically include, without limitation, costs incurred in connection with any investigation of site conditions or any cleanup, remedial, removal or restoration work required by any governmental authority.

15. Assignment and Subleasing. Tenant may assign this Lease upon written notice to Landlord, to any person controlling, controlled by, or under common control with Tenant, or any person or entity that, after first receiving the necessary

FCC licenses, acquires Tenant's radio communications business or assets and assumes all obligations of Tenant under this Lease. Upon such assignment, Tenant shall be relieved of all liabilities and obligations hereunder and Landlord shall look solely to the assignee for performance under this Lease and all obligations hereunder. Tenant may otherwise assign this Lease upon written approval of Landlord, which approval shall not be unreasonably delayed or withheld. Tenant may sublease the Premises upon notice to Landlord, provided any such subtenant agrees to abide by the terms of this Lease.

Additionally, Tenant may, upon notice to Landlord, mortgage or grant a security interest in this Lease and the Antenna Facilities, and may assign this Lease and the Antenna Facilities to any mortgagees or holders of security interests, including their successors or assigns (collectively "Mortgagees"), provided such Mortgagees agree to be bound by the terms and provisions of this Lease. In such event, Landlord shall execute such consent to leasehold financing as may reasonably be required by Mortgagees. Landlord agrees to notify Tenant and Mortgagees simultaneously of any default by Tenant and to give Mortgagees the same right to cure any default as Tenant or to remove any property of Tenant or Mortgagee located on the Premises, except that the cure period for any Mortgagees shall not be less than thirty (30) days after receipt of the default notice, as provided in Section 8. All such notices to Mortgagees shall be sent to Mortgagees at the address specified by Tenant. Failure by Landlord to give Mortgagees such notice shall not diminish Landlord's rights against Tenant, but shall preserve all rights of Mortgagees to cure any default and to remove any property of Tenant or Mortgagees located on the Premises as provided in Section 17 of this Lease.

16. Successors and Assigns. This Lease and any easement granted herein shall run with the land, and shall be binding upon and inure to the benefit of the parties, their respective successors, personal representatives and assigns.

17. Waiver of Landlord's Lien. Landlord hereby waives any and all lien rights it may have, statutory or otherwise concerning the Antenna Facilities or any portion thereof which shall be deemed personal property for the purposes of this Lease, regardless of whether or not the same is deemed real or personal property under applicable laws, and Landlord gives Tenant and Mortgagee the right to remove all or any portion of the same from time to time, whether before or after a default under this Lease, in Tenant's and/or Mortgagee's sole discretion and without Landlord's consent.

18. Miscellaneous.

(a) The substantially prevailing party in any litigation arising hereunder shall be entitled to its reasonable attorneys' fees and court costs, including appeals, if any.

(b) Each party agrees to furnish to the other, within ten (10) days after request, such truthful estoppel information as the other may reasonably request.

(c) This Lease constitutes the entire agreement and understanding of the parties, and supersedes all offers, negotiations and other agreements. There are no representations or understandings of any kind not set forth herein. Any amendments to this Lease must be in writing and executed by both parties.

(d) Each party agrees to cooperate with the other in executing any documents (including a Memorandum of Lease in substantially the form attached as Exhibit D) necessary to protect its rights or use of the Premises. The Memorandum of Lease may be recorded in place of this Lease, by either party. In the event the Property is encumbered by a mortgage or deed of trust, Landlord agrees, upon request of Tenant, to obtain and furnish to Tenant a non-disturbance and attornment agreement for each such mortgage or deed of trust, in a form reasonably acceptable to Tenant. Tenant may obtain title insurance on its interest in the Leased Premises. Landlord agrees to execute such documents as the title company may require in connection therewith.

(e) This Lease shall be construed in accordance with the laws of the state in which the Property is located.

(f) If any term of this Lease is found to be void or invalid, such invalidity shall not affect the remaining terms of this Lease, which shall continue in full force and effect. The parties shall agree that if any provisions are deemed not enforceable, they shall be deemed modified to the extent necessary to make them enforceable. Any questions of particular interpretation shall not be interpreted against the draftsman, but rather in accordance with the fair meaning thereof.

(g) The persons who have executed this Lease represent and warrant that they are duly authorized to execute this Lease in their individual or representative capacity as indicated.

(h) This Lease may be executed in any number of counterpart copies, each of which shall be deemed an original, but all of which together shall constitute a single instrument.

(i) All Exhibits referred herein and any Addenda are incorporated herein for all purposes. The parties understand and acknowledge that Exhibit A (the legal description of the Property), Exhibit B (the Premises location within the Property),

and Exhibit C (the site plan) may be attached to this Lease in preliminary form. Accordingly, the parties agree that upon the preparation of final, more complete exhibits, Exhibits A, B and/or C, as the case may be, which may have been attached hereto in preliminary form, may be replaced by Tenant with such final, more complete exhibit(s). The terms of all Exhibits are incorporated herein for all purposes.

The Effective Date of this Lease ("Effective Date") is the date of execution by the last party to sign.

LANDLORD: The City of Durant, a Municipality

By: J. C. Curtis
Printed Name: J. C. CURTIS
Its: MAYOR
Date: 10/20/99

LANDLORD:

By: _____
Printed Name: _____
Its: _____
Date: _____

TENANT: VoiceStream PCS BTA I Corporation, a Delaware corporation

By: VoiceStream PCS BTA I Corporation
By: Lauren Venezia
Printed Name: Lauren Venezia
Its: Assistant Vice-President
Date: 10/26/99

ADDENDUM TO TOWER LEASE WITH OPTION
[Additional Terms]

In the event of conflict or inconsistency between the terms of this Addendum and the Lease, the terms of the Addendum shall govern and control.

Lessee shall immediately after the installation of its antenna, construct a screening fence to cover the ground facility from the passing traffic, blocking the view from any stored materials. The screening shall be opaque of sufficient height to block the view of any stored materials from any view at a height of eight feet at the boundaries of the zoned lot.

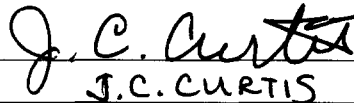
Lessee shall provide and maintain modest landscaping to beautify the facility so constructed.

LANDLORD: City of Durant a Municipality

By: _____

Printed Name: _____

Its: _____


J.C. CURTIS

MAYOR

Site Number: DA 3202A
Site Name: Durant WT
Market: Sherman/Denison BTA

Rev. 7/99

EXHIBIT A
Legal Description

The Property is legally described as follows:

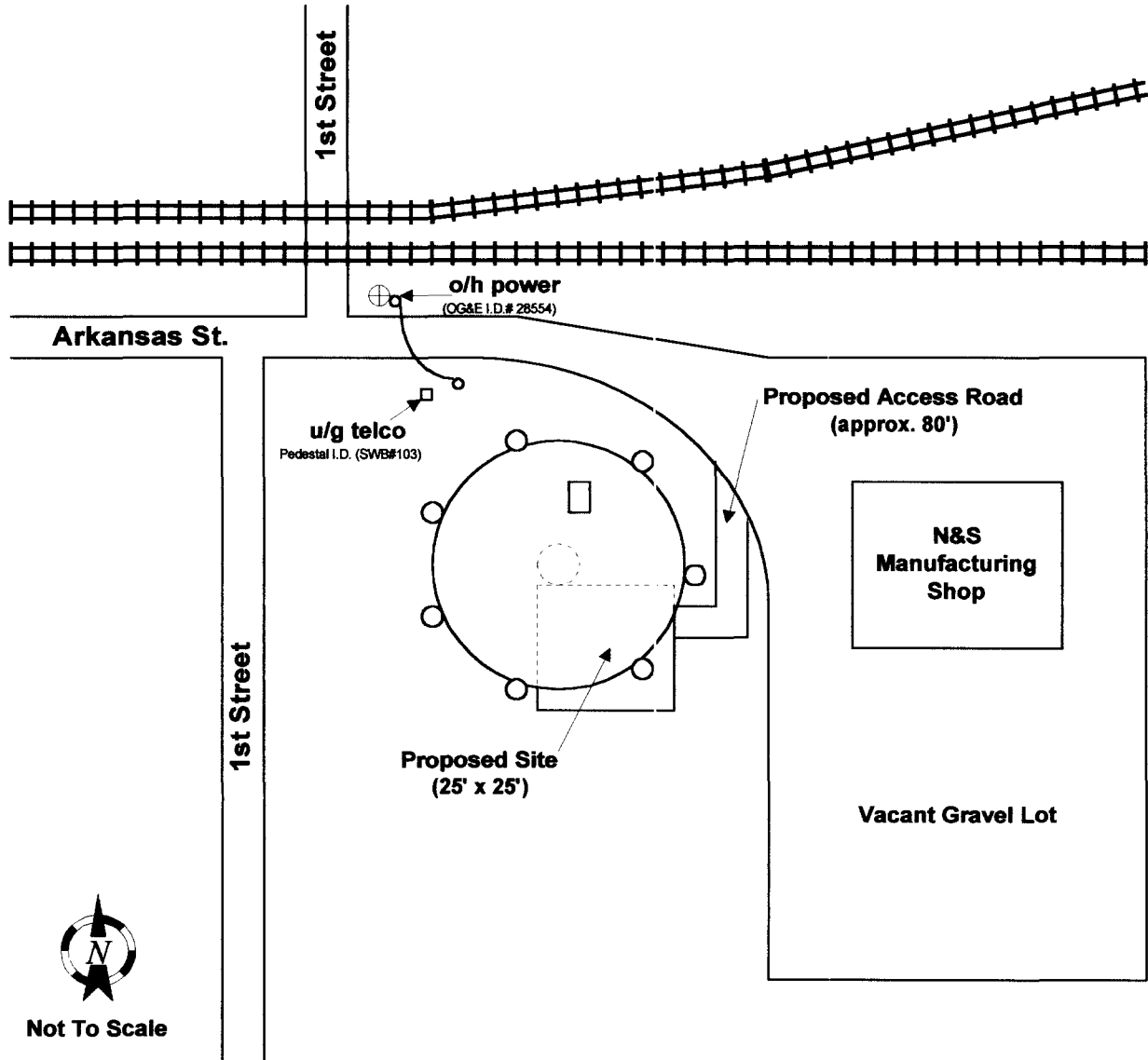
The East 88 feet of Lot 2 in Block 225 in the City of Durant, Oklahoma, according to the Government Survey thereof.

Site Number: DA 3202A
Site Name: Durant WT
Market: Sherman/Denison BTA

A-1

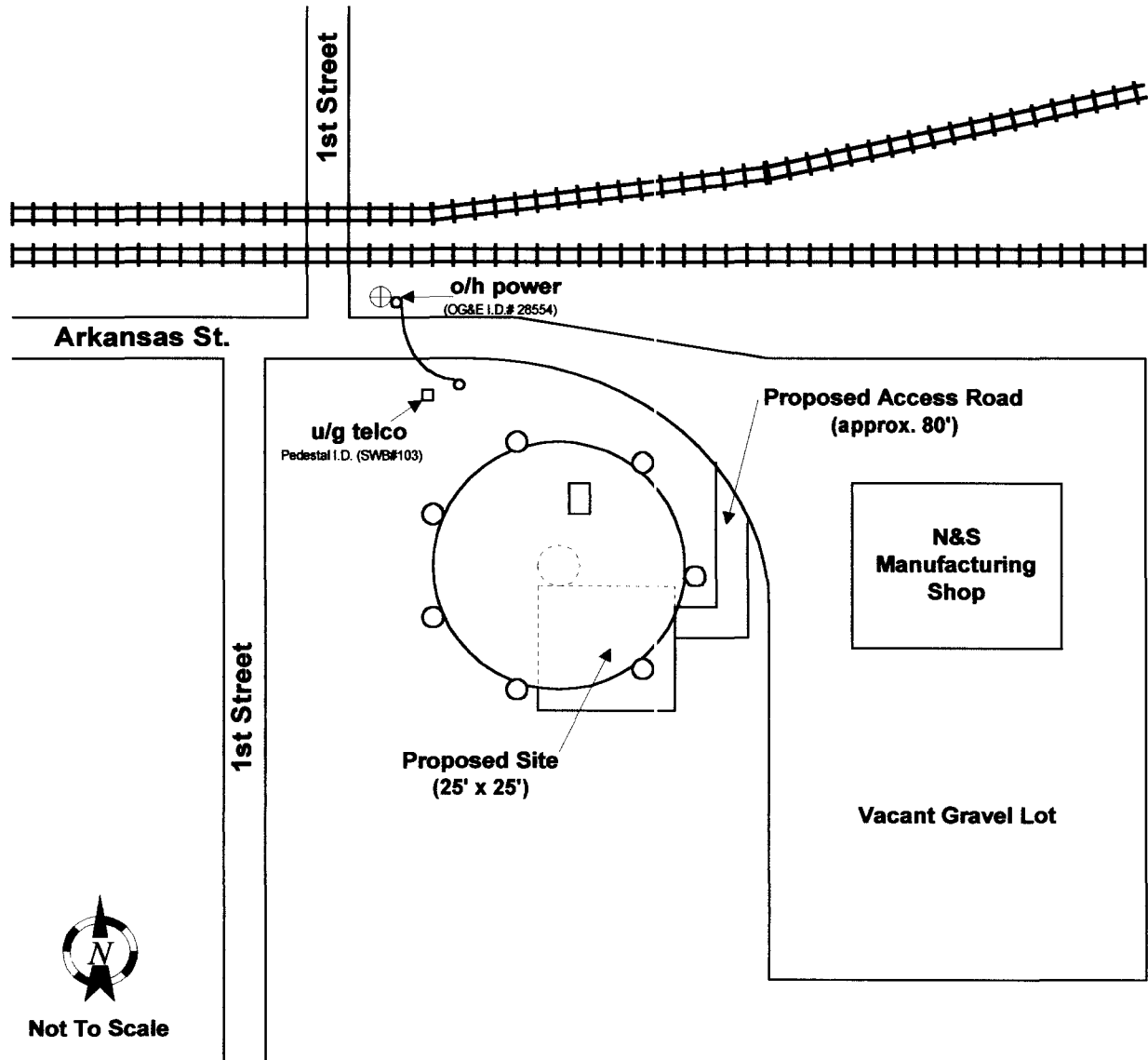
EXHIBIT B
Premises Location within the Property

The location of the Premises within the Property is more particularly
described and depicted as follows:



Site Number: DA 3202A
Site Name: Durant WT
Market: Sherman/Denison BTA

EXHIBIT C
Site Plan



Site Number: DA 3202A
Site Name: Durant WT
Market: Sherman/Denison BTA

After Recording Return to:
VoiceStream PCS BTA I Corporation
Attn: Lease Coordinator
8777 North Stemmons Fwy,
Tower II, Suite 200
Dallas, Texas 75247

EXHIBIT D
Memorandum of Lease and Option
Between City of Durant a Municipality ("Landlord")
and VoiceStream PCS BTA I Corporation, a Delaware corporation ("Tenant")

A Tower Site Lease with Option ("Lease") by and between City of Durant a Municipality ("Landlord") and VoiceStream PCS BTA I Corporation, a Delaware corporation ("Tenant") was made regarding the following property:

See Attached Exhibit "A" and Exhibit "B" incorporated herein for all purposes

The Lease is for a term of five (5) years and will commence on the date as set forth in the Lease (the "Commencement Date") and shall terminate at midnight on the last day of the month in which the anniversary of the Commencement Date shall have occurred. Tenant shall have the right to extend this Lease for three (3) additional five-year terms.

IN WITNESS WHEREOF, the parties hereto have respectively executed this memorandum on the 4th day of October, 1999 (effective as of the date of the last party to sign).

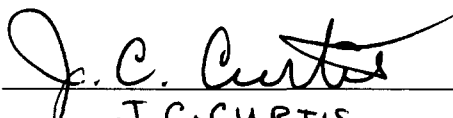
LANDLORD: City of Durant a Municipality

By: _____

Printed Name: _____

Its: _____

Date: _____


J.C. CURTIS
MAYOR
10/20/99

LANDLORD: _____

By: _____

Printed Name: _____

Its: _____

Date: _____

TENANT: VoiceStream PCS BTA I Corporation, a Delaware corporation

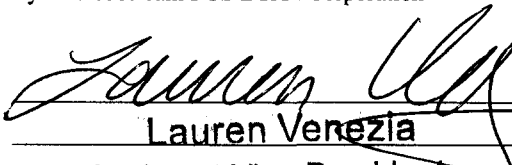
By: VoiceStream PCS BTA I Corporation

By: _____

Printed Name: _____

Its: _____

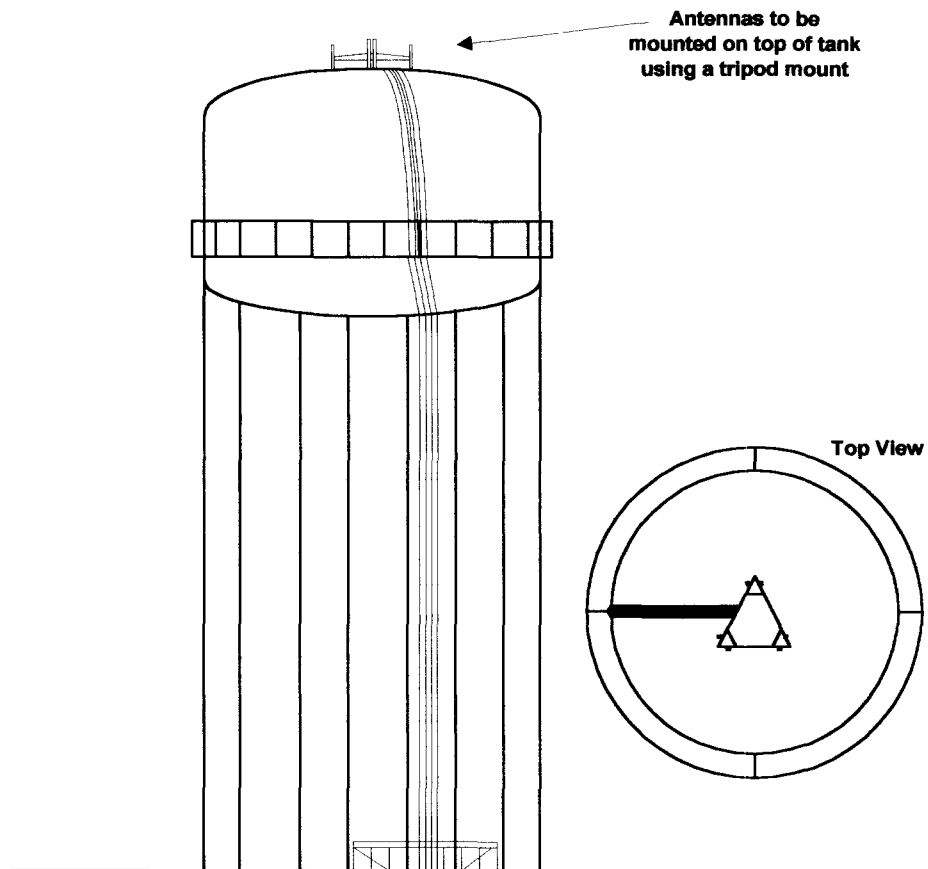
Date: _____


Lauren Venezia
Assistant Vice-President
10/26/99

Site Number: DA 3202A
Site Name: Durant WT
Market: Sherman/Denison BTA

Rev. 7/99

EXHIBIT E
Water Tower Elevation Site Plan



Site Number: DA 3202A
Site Name: Durant WT
Market: Sherman/Denison BTA

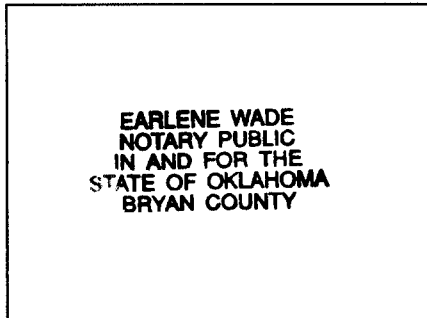
[Notary for Landlord]

[Notary block for Corporation, Partnership, Limited Liability Company]

STATE OF OKLAHOMA)
) ss.
COUNTY OF Bryan)

This instrument was acknowledged before me on 10/20/99 by J.C. CURTIS, [title]
MAYOR of DURANT a MUNICIPALITY [type of entity], on
behalf of said CITY OF DURANT [name of entity].

Dated: 10/20/99



(Use this space for notary stamp/seal)

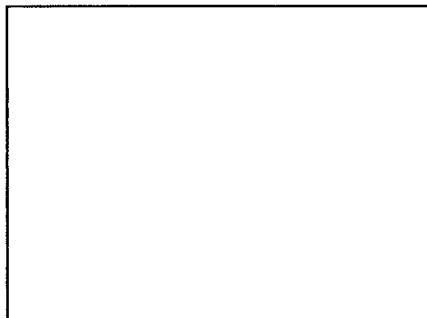
Earlene Wade
Notary Public
Print Name EARLENE WADE
My commission expires 4/16/2000

[Notary block for Individual]

STATE OF OKLAHOMA)
) ss.
COUNTY OF _____)

This instrument was acknowledged before me on _____ by _____.

Dated: _____



(Use this space for notary stamp/seal)

Notary Public
Print Name _____
My commission expires _____

Site Number: DA 3202A
Site Name: Durant WT
Market: Sherman/Denison BTA

STATE OF OKLAHOMA

)

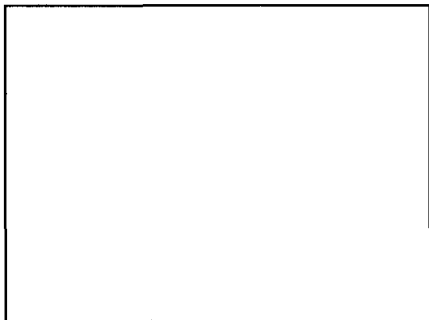
) ss.

COUNTY OF _____

)

This instrument was acknowledged before me on _____ by _____

Dated: _____



(Use this space for notary stamp/seal)

Notary Public

Print Name _____

My commission expires _____

[Notary block for Tenant]

STATE OF WASHINGTON

)

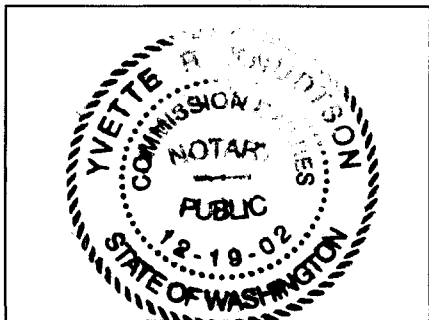
) ss.

COUNTY OF KING

)

I certify that I know or have satisfactory evidence that Lauren Venezia is the person who appeared before me, and said person acknowledged that he/she signed this instrument, on oath stated that he/she was authorized to execute the instrument and acknowledged it as the Asst VP VoiceStream PCS BTA I Corporation, a Delaware Corporation, a limited liability company to be the free and voluntary act of such party for the uses and purposes mentioned in the instrument.

Dated: 10/26/99



(Use this space for notary stamp/seal)

Notary Public

Print Name

My commission expires

Yvette R. Knudtson

12-19-02

Site Number: DA 3202A
Site Name: Durant WT
Market: Sherman/Denison BTA



The City of Durant

Solid Waste Landfill

Memorandum

Date: 7/23/2018
To: Utilities Authority
From: Kenny Cooper, Supervisor, Solid Waste Landfill
Re: Landfill Information & Reports - July 2018

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
July 2018 DEQ Report	Cover Memo	8/1/2018
July 2018 Project Schedule	Cover Memo	8/1/2018



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: JULY 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

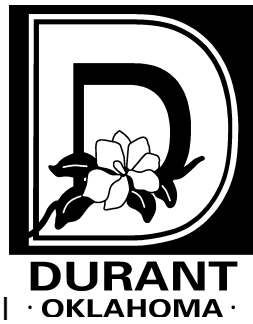
Total # of Days open: 25

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	59.42									
3	45.19									
4	0									
5	77.59									
6	48.75									
7	16.27									
8	0									
9	102.83									
10	79.83									
11	83.03									
12	29.7									
13	49.95									
14	10.13									
15	0									
16	50.2									
17	90.85									
18	94.11									
19	34.25									
20	54.38									
21	13.78									
22	0									
23	84.57									
24	84.52									
25	57.72									
26	41.35									
27	37.83									
28	11.89									
29	0									
30	8.67									
31	153.24									
Total	1420.05	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 Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE ***July 2018***

A. Work Completed for July:

1. Covered C & D Site
2. Hauled MSW To SORD
3. picked up 327 rolloff's & 10 delivered

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
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: 8/3/2018
To: Utilities Authority
From: Albert Pierce, Solid Waste Department
Superintendent
Re: Solid Waste Department Monthly Report - July 2018

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
July Monthly Report	Cover Memo	8/3/2018



THE CITY OF DURANT

Office of the Solid Waste Superintendent

SOLID WASTE PROJECTS SCHEDULE JULY 2018

A. Work Completed:

1. Hauled 58 tons of extra hauling
2. Hauled 88 loads of extra hauling
3. Picked up and delivered 21 sharps
4. THREE abatement this month
5. Cleaned Sunny Side rd. 1 time
6. Refurbished 6 dumpsters
7. Replaced 6 dumpsters with new
8. Cleaned dead ends of Cemetery rd. 2 times

B. Work Planned For August

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 the Water Treatment Plant

Memorandum

Date: 8/1/2018
To: Utilities Authority
From: Phillip Hightower
Re: Water Treatment Plant Monthly Report - July 2018

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
Water Plant MOR #1	Cover Memo	8/1/2018
Water Plant MOR #2	Cover Memo	8/1/2018
July CLO2 and Chlorite	Cover Memo	8/1/2018
July Maintance Report	Cover Memo	8/1/2018

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

Durant City Utilities Authority

PO Box 578

Durant OK

74702

Plant: Durant Water Treatment F

PWSID: 1010601

Month: July 2018

Population: 19,491

System

Address

City

ZIP

DAY	WATER TREATED	FILTER OPERATION								WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS.								ALKALINITY						pH			CaCO3 STABILITY Method:	HARDNESS (ppm)		Chlorite residual	Chlorite lbs/day	REMARKS				
		FILTERS USED-HOURS									ALUM	LIME	POLYMER Name:	CARBON NAOH	OTHER Name: NH2SIF6	OTHER Name: copper sul	CHLORINE		"P"		TOTAL AM		CLO2 Residual		TOTAL PM		AM PM			AM				FILT			
		1	2	3	4	5	6	7	8								PRE	POST	RAW	FILT	RAW	FILT	RAW	FILT	RAW	FILT	RAW		FILT		RAW	FILT			RAW	FILT	FILT
1	4,795	24	0	24	24	24	24	24	24		2800	0	0	0	0	0	0	120	100			238	200		0.13	234	218	8.1	7.5	7.4	200	252	250	0.76	360		
2	5,291	24	0	24	24	23	23	24	24	70	2900	0	0	0	0	0	0	110	110			246	212		0.1	240	206	8.1	7.5	7.7	218	246	246	0.71	360		
3	5,500	23	0	23	23	24	24	24	24	100	2400	0	0	0	0	0	0	0	140			240	198		0.14	238	210	8.1	7.5	7.7	208	244	236	0.76	360		
4	5,463	24	0	24	24	24	24	23	23	70	2400	0	0	0	0	0	0	0	160			238	236		0.08	244	216	7.9	7.2	7.3	220	268	254	0.95	360		
5	5,520	24	0	24	24	23	23	24	24	70	2300	0	0	0	0	0	0	0	160			240	210		0.07	230	212	8.1	7.4	7.5	212	244	240	0.95	360		
6	5,540	23	0	23	24	23	23	24	24	135	1900	0	0	0	0	0	0	0	180			254	228		0.09	240	224	8	7.4	7.5	222	256	256	0.9	360		
7	5,942	24	0	24	24	24	24	24	24		2600	0	0	0	0	0	0	0	160			240	218		0.07	238	218	8.2	7.5	7.6	212	264	268	0.95	360		
8	6,051	24	0	23	23	24	24	24	23	23	180	2500	0	0	0	0	0	0	180			240	226		0.06	240	218	8	7.3	7.4	220	268	262	0.95	360		
9	6,028	24	0	24	24	24	24	24	24		2700	0	0	0	0	0	0	0	180			252	224		0.16	230	232	8	7.3	7.5	220	254	240	0.9	360		
10	5,927	24	0	24	24	23	23	24	24	70	2500	0	0	0	0	0	0	0	140			246	214		0.19	234	220	8	7.3	7.6	226	250	244	0.85	360		
11	6,128	23	0	23	23	24	24	24	24	110	2500	0	0	0	0	0	0	120	100			234	220		0.1	234	212	8.1	7.5	7.5	222	264	258	0.9	360		
12	5,989	24	0	24	24	24	24	23	23	70	2600	0	0	0	0	0	0	120	100			248	214		0.1	244	214	8.1	7.5	7.5	218	248	242	0.9	360		
13	5,638	23	0	23	23	24	24	24	24	90	2500	0	0	0	0	0	0	80	100			248	212		0.12	236	202	8.2	7.7	7.8	214	242	236	0.76	380		
14	5,467	24	0	24	24	23	23	24	24	86	2600	0	0	0	0	0	0	60	140			240	198		0.22	238	202	8	7.4	7.4	218	272	250	0.76	360		
15	5,475	24	0	24	24	24	24	23	23	70	2200	0	0	0	0	0	0	60	120			232	206		0.1	238	210	8.1	7.4	7.6	206	240	230	0.76	360		
16	5,489	23	0	23	23	24	24	24	24	1.05	2000	0	0	0	0	0	0	60	120			242	202		0.1	248	216	8.2	7.7	7.7	206	244	242	0.71	360		
17	5,708	24	0	24	23	23	23	24	24	100	2200	0	0	0	0	0	0	100	120			260	230		0.08	234	208	8.1	7.2	7.3	228	250	240	0.9	360		
18	6,060	24	0	24	24	24	24	23	23	70	2500	0	0	0	0	0	0	110	150			244	214		0.07	240	206	8.1	7.3	7.3	210	262	230	0.85	380		
19	6,255	23	0	23	23	24	24	24	24	105	2500	0	0	0	0	0	0	100	140			240	218		0.11	238	208	8.1	7.3	7.4	212	254	254	0.8	400		
20	6,374	24	0	24	24	23	23	24	24	63	2400	0	0	0	0	0	0	100	120			238	220		0.11	240	202	8.1	7.3	7.4	220	248	240	0.71	400		
21	6,669	23	0	23	23	24	24	23	23	205	2600	0	0	0	0	0	0	125	175			240	212		0.13	240	204	8.2	7.3	7.5	222	250	250	0.66	420		
22	6,744	24	0	24	24	24	24	24	24		2700	0	0	0	0	0	0	140	140			236	212		0.13	236	210	8.3	7.4	7.5	212	240	250	0.8	420		
23	6,699	24	0	24	24	23	23	24	24	70	2400	0	0	0	0	0	0	120	140			236	216		0.14	244	206	8.15	7.4	7.4	218	242	236	0.8	420		
24	6,770	23	0	23	23	24	24	23	23	170	2400	0	0	0	0	0	0	140	140			234	212		0.2	240	202	8.1	7.3	7.4	226	268	248	0.8	420		
25	6,909	23	0	23	23	24	24	24	24	105	3700	0	0	0	0	0	0	160	160			238	222		0.14	244	206	8.2	7.3	7.3	220	240	238	0.8	430		
26	7,332	24	0	23	23	23	23	24	24	140	2800	0	0	0	0	0	0	130	130			242	224		0.14	242	206	8.2	7.4	7.4	226	240	240	0.71	440		
27	7,277	23	0	24	24	24	24	24	24	30	3200	0	0	0	0	0	0	160	140			240	222		0.21	228	218	8.2	7.4	7.4	220	248	244	0.66	440		
28	7,105	24	0	24	24	24	23	23	23	103	2800	0	0	0	0	0	0	140	140			230	216		0.16	234	204	8.1	7.3	7.4	220	244	244	0.66	440		
29	6,055	23	0	23	23	23	24	24	24	140	2400	0	0	0	0	0	0	120	120			234	192		0.19	234	200	8.1	7.3	7.3	212	236	240	0.76	380		
30	5,744	24	0	24	24	24	24	23	23	70	3600	0	0	0	0	0	0	130	130			232	198		0.13	224	210	8.2	7.4	7.4	204	230	226	0.61	320		
31	5,773	23	0	23	23	24	24	24	24	105	3000	0	0	0	0	0	0	120	120			230	192		0.12	232	190	8	7.3	7.2	212	230	220	0.57	320		
TOT	187717	735	735	735	731	734	734	735	735	2598.05	80600	0	0	0	0	0	0	2625	4255			7452	6618		3.89	7356	6510	251	229	231	6704	7738	7554	24.56	11770		
Avg	6055	24	24	24	24	24	24	24	24	84	2600	0	0.00	0	0	0	0.00	0.00	85	137			240	213		0	237	210	8.1	7.4	7.5	216.3	250	244	0.792	#####	

Power Costs	\$20,849.40
Labor Costs	\$30,110.25
Chemicals	\$17,848.34
Supplies	\$367.52
Repairs	\$817.81
TOTAL	\$69,993.32

Cost per thousand Gallons \$ 0.37

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

Ave Wash Period (Minutes)

% Wash Water Used 1.38%

Ave. Head Loss for Washing

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

Signed

Title

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

Oper. Cert. No. B 90404

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS

Durant City Utilities Authority

System

PO Box 578

Address

Durant

City

74702

ZIP

Plant: Durant Water Treatment Plant

PWSID: 1010601

Month: July 2018

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:

9

5%

TOTAL NO. OF TURBIDITY ANALYSES:

186

HIGHEST TURBIDITY READING

0.13

◀

NUMBER OF SAMPLES > 1 NTU

0

◀

NUMBER OF SAMPLES > 5 NTU

0

◀

95TH PERCENTILE OF FINISHED WATER TURBIDITY

0.10

◀ NOT REQUIRED

95TH PERCENTILE OF SETTLED WATER TURBIDITY

4.00

◀ 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.

	TURBIDITY									RESIDUAL DISINFECTANT								COMMENTS
DAY	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	14.38	1.8	2.8	0.04	0.04	0.04	0.04	0.05	0.04	2.77	2.86	2.86	2.52	2.46	2.41	2.31	1.96	
2	13.72	1.2	2.3	0.04	0.04	0.04	0.04	0.04	0.04	2.59	2.74	2.73	2.65	2.51	2.37	1.97	2.34	
3	12.38	1.3	3.3	0.11	0.04	0.04	0.04	0.04	0.04	2.50	2.91	2.86	2.84	2.66	2.68	2.07	1.87	
4	12.13	1.9	3.9	0.08	0.08	0.05	0.05	0.06	0.06	2.69	2.92	2.83	2.78	2.79	2.76	1.88	1.95	
5	11.56	1.3	2.4	0.07	0.06	0.06	0.06	0.06	0.05	2.76	2.94	2.78	2.77	2.76	2.81	2.42	1.93	
6	11.99	4	6.3	0.06	0.09	0.06	0.05	0.06	0.13	2.81	2.83	2.93	2.94	2.90	3.10	1.94	2.49	
7	12.06	3.2	4.9	0.09	0.12	0.12	0.08	0.07	0.07	3.30	2.98	3.00	2.97	3.07	3.03	1.88	1.97	
8	14.20	1.9	2.6	0.09	0.06	0.06	0.06	0.06	0.10	3.05	3.06	3.14	3.10	3.10	2.96	2.64	2.02	
9	12.36	2	2.4	0.06	0.06	0.07	0.07	0.07	0.06	3.21	3.07	3.07	3.09	3.07	2.82	2.02	2.07	
10	12.32	2	3.6	0.09	0.07	0.07	0.06	0.07	0.06	2.82	2.85	2.78	2.78	2.78	2.74	2.49	2.41	
11	12.75	2.5	4.1	0.11	0.07	0.07	0.06	0.07	0.07	2.76	2.84	2.77	2.70	2.56	2.54	2.03	2.39	
12	15.03	2.1	3.7	0.08	0.09	0.05	0.06	0.06	0.05	2.53	2.81	2.79	2.76	2.71	2.79	2.22	1.87	
13	15.65	1.8	2.8	0.05	0.05	0.06	0.05	0.05	0.05	2.80	2.79	2.80	2.86	2.77	2.65	1.87	1.84	
14	19.27	1.7	3.8	0.07	0.05	0.05	0.06	0.06	0.06	2.57	2.62	2.72	2.70	2.66	2.65	1.86	1.89	
15	13.75	2.2	3.2	0.06	0.06	0.06	0.06	0.06	0.05	2.70	2.89	2.87	2.69	2.64	2.47	2.27	1.84	
16	12.10	2.5	3.1	0.08	0.05	0.05	0.06	0.06	0.06	2.56	2.80	2.82	2.72	2.63	2.38	1.87	2.42	
17	12.16	2	3.6	0.06	0.06	0.06	0.07	0.08	0.07	2.12	2.70	2.68	2.56	2.53	2.62	2.13	1.82	
18	13.11	1.6	2.4	0.06	0.06	0.06	0.06	0.06	0.05	2.71	3.01	2.98	2.74	2.65	2.88	1.76	2.49	
19	12.97	1.5	2.2	0.08	0.05	0.04	0.05	0.07	0.05	2.93	3.10	2.99	2.75	2.57	2.71	2.41	1.89	
20	13.44	2	2.7	0.08	0.05	0.06	0.06	0.07	0.06	2.80	2.91	2.88	2.61	2.55	2.73	1.90	1.93	
21	10.25	2.2	3.9	0.06	0.08	0.06	0.07	0.10	0.06	2.81	2.92	2.94	2.48	2.59	2.90	1.95	1.89	
22	17.10	2	3.2	0.05	0.05	0.06	0.06	0.06	0.05	2.92	2.98	2.98	2.60	2.58	2.91	1.84	1.94	
23	11.59	1.7	3.8	0.07	0.06	0.05	0.06	0.06	0.13	2.96	2.99	2.98	2.62	2.57	2.94	2.71	1.81	
24	11.34	1.9	2.9	0.10	0.05	0.05	0.06	0.06	0.08	2.96	3.03	3.05	2.62	2.59	2.92	1.95	2.02	
25	10.20	1.8	2.9	0.06	0.05	0.12	0.05	0.05	0.05	3.20	3.20	3.18	2.75	2.65	3.04	2.86	2.05	
26	10.21	2.6	3.5	0.07	0.06	0.07	0.05	0.05	0.04	3.13	3.20	3.20	3.20	2.77	3.21	2.12	2.15	
27	21.92	1.8	3.7	0.04	0.07	0.05	0.04	0.04	0.04	3.24	3.20	3.24	2.79	2.74	3.11	3.02	2.27	
28	26.10	1.5	2.7	0.09	0.06	0.06	0.05	0.08	0.10	3.14	2.99	2.93	2.68	2.66	2.91	2.33	2.33	
29	14.93	2	2.7	0.11	0.06	0.05	0.05	0.05	0.05	2.98	3.05	2.98	2.94	2.83	2.36	2.56	2.19	
30	17.47	1.6	3.2	0.07	0.06	0.05	0.05	0.06	0.05	2.39	2.72	2.72	5.58	2.54	2.35	2.14	2.40	
31	27.63	1.9	3.9	0.07	0.05	0.04	0.04	0.04	0.04	2.64	3.07	3.05	2.42	1.96	2.12	2.20	1.88	



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: 2018

3. Analytical Results & Summary Information:

Entry Point Monitoring			Chlorine Dioxide Daily Monitoring (Summary Type: CLO2)					
Day	ClO ₂ (mg/L)	Chlorite (mg/L)						
1	0.13	0.76	Number of Samples Required: 31					
2	0.1	0.71	Number of Samples Collected: 31					
3	0.14	0.76	Was All Chlorine Dioxide Monitoring & Reporting Completed? Yes / No Yes / No					
4	0.08	0.95	Number of ClO ₂ samples exceeded the MRDL of 0.8 mg/L? 0					
5	0.07	0.95	If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.					
6	0.09	0.9	Chlorite Daily Monitoring (Summary Type: CLO2)					
7	0.07	0.95	Number of Samples Required: 31					
8	0.06	0.95	Number of Samples Collected: 31					
9	0.16	0.9	Was All Chlorite Monitoring & Reporting Completed? Yes / No Yes / No					
10	0.19	0.85	Number of Chlorite samples exceeded the MCL of 1.0 mg/L? 					
11	0.1	0.9	If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.					
12	0.1	0.9	* 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	0.22	0.76						
15	0.1	0.76	Routine Chlorite Monthly Monitoring in Distribution System					
16	0.1	0.71	Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
17	0.08	0.9	Near 1st Customer					
18	0.07	0.85	Avg. Residence Time					
19	0.11	0.8	Max. Residence Time					
20	0.11	0.71	Monitoring Period Average: 					
21	0.13	0.66	Mark (X) if analytical results were reported electronically: _____					
22	0.13	0.8	- If the arithmetic average of any three sample set exceeds the Chlorite MCL (1.0 mg/L), the system is in violation of the MCL.					
23	0.14	0.8	- If more than one three-sample set was collected, attach additional copies of this form.					
24	0.14	0.71						
25	0.14	0.66						
26	0.14	0.66						
27	0.21	0.66						
28	0.16	0.66						
29	0.19	0.76						
30	0.13	0.61						
31	0.12	0.57						

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 July 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. Greased New Plant Rapid Mixer and motor
16. Removing media from #2 old filter
17. Replaced blown fuse on surge arrestor at Chuckwa tower scada panel
18. Check and maintain fluid levels on trucks and mower
19. Mowed Plant grounds
20. Weed eated Plant grounds
21. Mowed and weed eated at towers in town
22. Fixed leak on water line that feeds the inline meters
23. Changed out batteries on the diesel pump .
24. Hooked up ice machine in office
25. Hooked up water fountain in new chemical building
26. Power washing raw water line getting it ready to paint
27. Unstopped feed line to # 3 filter flow meter
28. Hired and started training new employee's
29. Treated 187,717,000 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 recieved |
| 3. Finsh 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



The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 8/2/2018
To: Utilities Authority
From: Terry Condor, Waste Water Treatment Plant
Superintendent
Re: Waste Water Treatment Plant Monthly Report - July 2018

Council Information / Action Requested

Information only.

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

ATTACHMENTS:

Description	Type	Upload Date
WWTPJULY2018Reports	Cover Memo	8/2/2018



The City of Durant
Office of the Wastewater Treatment Plant

PROJECTS SCHEDULE

A: WORK COMPLETED IN JULY 2018

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

TREATED 46,808 MG OF WASTEWATER
PROCESSED 1.112940 MG OF TREATED SLUDGE

B: WORK PLANNED FOR AUGUST 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

CITY OF DURANT WASTEWATER TREATMENT PLANT MONTHLY OPERATION REPORT

MONTH OF

JULY 2018

DAY	DATE	WEATHER		FLOW		PUMPS		INFLUENT DATA				SLUDGE		SBR DATA				DWR				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	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 #/cu/100ml	Bis(2-Ethylhexyl)phthalate UG/L
S	7/1/18			1.6	2.0	1	4	7.1	12				19984	58639	700	600	600	400	7.8	7.6							N/D
M	7/2/18			7.8	1.6	2.0	1	4	7.1				20718	58639	700	600	600	400	8.5	7.7				30			N/D
T	7/3/18			7.3	1.6	1.9	1	4	7.1	4			22532	58635	450	600	600	400	7.1	7.7				31			N/D
W	7/4/18			7.5	1.7	2.0	1	4	7.1	5	71.6	441	516	21298	58637	700	600	550	400	7.3	7.6	2.5	0.4	2.0			N/D
T	7/5/18			7.4	1.7	2.1	1	4	7.1	6			21224	58677					7.3	7.7							N/D
F	7/6/18			1.6	2.0	1	4						19870						7.2	7.6							N/D
S	7/7/18			1.4	2.0	1	4						18464	53244	550	750	600	400	7.4	7.7							N/D
M	7/8/18			7.3	1.6	2.0	1	4	7.1	15			21422	54375	500	700	500	400	7.1	7.9				13			N/D
T	7/10/18			7.3	1.6	2.1	1	4	7.3	3			21502	54146	450	750	450	500	7.2	7.7				7			N/D
W	7/11/18	1.68	7.6	1.6	2.1	1	4	7.3	5	1164	112.7	84	20208	54146	450	750	450	500	7.4	7.6	2.5	0.2	2.0		3		N/D
T	7/12/18			7.5	1.7	2.2	1	4					21704	54311					7.7	7.7							N/D
F	7/13/18			7.3	1.7	2.2	1	4					21422	54311					7.4	7.7							N/D
S	7/14/18			1.5	1.9	1	4						20016						7.4	7.6							N/D
S	7/15/18			1.6	2.1	1	4						21432	54208	600	600	400	500	7.7	7.6							N/D
M	7/16/18			7.6	1.7	2.2	1	4	7.1	20			21550	54298	600	600	400	500	7.6	7.8				1			N/D
T	7/17/18			7.3	1.4	2.0	1	4	7.1	8			21144	54298	600	650	400	500	7.6	7.7				69			N/D
W	7/18/18			7.6	1.6	2.1	1	4	7.1	10	94	132	20392	51812	450	650	400	600	7.3	7.8	2.5	0.2	2.0		3		N/D
T	7/19/18			7.3	1.4	1.9	1	4	7.2	4			21330	50383					7.4	7.7							N/D
F	7/20/18			7.8	1.3	1.8	1	4	7.2	3			21308	48788					7.1	7.8							N/D
S	7/21/18			1.2	1.7	1	4						18422						7.4	7.7							N/D
S	7/22/18			1.4	1.9	1	4						21718						7.6	7.8							N/D
M	7/23/18			7.6	1.3	1.8	1	4	7.3	9			23022	54181	600	600	500	400	7.7	7.8							N/D
T	7/24/18			7.5	1.3	1.8	1	4	7.3	10			22908	54437	600	600	650	400	7.4	7.7				5			N/D
W	7/25/18			7.2	1.3	1.8	1	4	7.1	5	81	128	20944	54373	400	500	500	500	7.2	7.7	2.5	0.2	3.4	4			N/D
T	7/26/18			7.3	1.3	1.7	1	4					21000	38723					7.2	7.6							N/D
F	7/27/18	1.3	7.6	1.3	1.8	1	4						21604	50329					7.4	7.7							N/D
S	7/28/18			1.3	1.8	1	4						21654						7.2	7.6							N/D
S	7/29/18			1.4	1.9	1	4						19224						7.2	7.6							N/D
M	7/30/18			7.7	2.0	2.2	1	4					21666	47191					7.1	7.7							N/D
T	7/31/18			6.7	1.6	1.9	1	4					21942	54150					7.2	7.7							N/D

Process Water and Sludge Flow Report

July 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)
7/1/2018	1.264	0.027	0.340	1.631	2.014	0.000	0.000	0.000	9.992
7/2/2018	1.241	0.077	0.320	1.638	2.037	58.639	0.000	0.000	10.359
7/3/2018	1.180	0.074	0.301	1.555	1.932	58.235	0.000	0.000	11.266
7/4/2018	1.237	0.077	0.386	1.701	2.023	56.327	0.000	0.000	10.649
7/5/2018	1.288	0.072	0.317	1.677	2.143	55.677	0.000	0.000	10.796
7/6/2018	1.159	0.029	0.364	1.552	2.038	0.000	0.000	0.000	10.612
7/7/2018	1.038	0.029	0.368	1.435	1.954	0.000	0.000	0.000	9.935
7/8/2018	1.023	0.027	0.299	1.349	1.904	0.000	0.000	0.000	9.232
7/9/2018	1.235	0.074	0.293	1.603	1.987	54.244	0.000	0.000	10.711
7/10/2018	1.282	0.065	0.273	1.621	2.089	54.375	0.000	0.000	10.751
7/11/2018	1.237	0.067	0.296	1.600	2.112	54.146	0.000	0.000	10.104
7/12/2018	1.320	0.068	0.320	1.708	2.168	54.311	0.000	0.000	10.825
7/13/2018	1.303	0.068	0.364	1.735	2.164	54.311	0.000	0.000	10.711
7/14/2018	1.126	0.028	0.385	1.540	1.933	0.000	0.000	0.000	10.008
7/15/2018	1.235	0.029	0.365	1.629	2.118	0.000	0.000	0.000	10.916
7/16/2018	1.328	0.067	0.293	1.688	2.155	54.208	0.000	0.000	10.775
7/17/2018	1.117	0.065	0.251	1.433	1.964	54.298	0.000	0.000	10.572
7/18/2018	1.231	0.067	0.295	1.593	2.074	51.812	0.000	0.000	10.196
7/19/2018	1.054	0.073	0.274	1.402	1.941	50.383	0.000	0.000	10.665
7/20/2018	0.938	0.058	0.332	1.329	1.771	48.788	0.000	0.000	10.654
7/21/2018	0.853	0.031	0.343	1.227	1.753	0.000	0.000	0.000	9.211
7/22/2018	1.094	0.030	0.319	1.443	1.993	0.000	0.000	0.000	10.859
7/23/2018	0.983	0.067	0.250	1.301	1.871	54.181	0.000	0.000	11.511
7/24/2018	0.954	0.071	0.271	1.295	1.836	54.437	0.000	0.000	11.454
7/25/2018	0.913	0.067	0.280	1.259	1.840	54.273	0.000	0.000	10.497
7/26/2018	0.924	0.060	0.292	1.276	1.791	38.723	0.000	0.000	10.500
7/27/2018	0.862	0.064	0.351	1.277	1.872	50.229	0.000	0.000	10.802
7/28/2018	0.847	0.031	0.411	1.289	1.856	0.000	0.000	0.000	10.827
7/29/2018	1.062	0.029	0.319	1.410	1.886	0.000	0.000	0.000	9.612
7/30/2018	1.584	0.067	0.369	2.020	2.226	47.191	0.000	0.000	10.833

Wednesday, August 01, 2018

7/31/2018	1.235	0.066	0.294	1.595	1.852	54.150	0.000	0.000	10.971
Sum	35.148	1.725	9.935	46.808	61.295	1112.940	0.000	0.000	326.801
Avg	1.134	0.056	0.320	1.510	1.977	35.901	0.000	0.000	10.542
Min	0.847	0.027	0.250	1.227	1.753	0.000	0.000	0.000	9.211
Max	1.584	0.077	0.411	2.020	2.226	58.639	0.000	0.000	11.511

City of Durant Wastewater Monthly Operational Report

DATE	Raw Influent Flow MGD.	Finish Effluent Flow MGD	PH	D.O. mg/l	CBOD mg/l	BOD lbs/d	TSS mg/l	TSS lbs	Fecal Coliforms cfu/100mg/l	NH3 mg/l	NH3 lbs.	Bis(2- ethylhexyl) phthalate ug/l	Bis(2- ethylhexyl) phthalate lbs.	Comments:
7/1/18	1.6	2.0	7.6	7.8										
7/2/18	1.6	2.0	7.7	8.5					30					
7/3/18	1.6	1.9	7.7	7.1					31					
7/4/18	1.7	2.0	7.6	7.3	2.0	33.4	2.5	41.7		0.4	6.7			
7/5/18	1.7	2.1	7.7	7.3										
7/6/18	1.6	2.0	7.6	7.2										
7/7/18	1.4	2.0	7.6	7.3										
7/8/18	1.6	1.9	7.7	7.4										
7/9/18	1.6	2.0	7.9	7.1					13					
7/10/18	1.6	2.1	7.7	7.2					7					
7/11/18	1.6	2.1	7.6	7.4	2.0	35.0	2.5	43.8		0.2	3.5	3.0		
7/12/18	1.7	2.2	7.7	7.7										
7/13/18	1.7	2.2	7.7	7.6										
7/14/18	1.5	1.9	7.6	7.4										
7/15/18	1.6	2.1	7.6	7.7										
7/16/18	1.7	2.2	7.8	7.6					1					Caney
7/17/18	1.4	2.0	7.7	7.6					69					Creek
7/18/18	1.6	2.1	7.8	7.3	2.0	35.0	2.5	43.8		0.2	3.5	3.0		
7/19/18	1.4	1.9	7.7	7.4										
7/20/18	1.3	1.8	7.8	7.1										
7/21/18	1.2	1.7	7.7	7.4										
7/22/18	1.4	1.9	7.8	7.6										
7/23/18	1.3	1.8	7.8	7.7					5					
7/24/18	1.3	1.8	7.7	7.4	3.4	51.0	2.5	37.5	4	0.2	3.0			
7/25/18	1.3	1.8	7.7	7.2										
7/26/18	1.3	1.7	7.6	7.2										
7/27/18	1.3	1.8	7.7	7.4										
7/28/18	1.3	1.8	7.6	7.2										
7/29/18	1.4	1.9	7.6	7.2										
7/30/18	2.0	2.2	7.7	7.1										
7/31/18	1.6	1.9	7.7	7.2										
Total	46.9					0.0		0.0			0.0		0	
Avg.	1.5	2.0			2.4	38.6	2.5	41.7	1	0.3	4.2	3.0		
High	2.0	2.2	7.9		3.4		2.5			0.4				
Low	1.2	1.7	7.6	7.1	2.0		2.5			0.2				



THE CITY OF DURANT

Office of the Wastewater Treatment Plant

Lab Report

07/1/18 to 07/31/18
Tests Processed

76 Bac-t's
84 BOD's
20 TSS's
12 NH3's
8 DO's
6 Ph's
10set Fecal Coliforms (May 1st – Sept. 30th) * 6 per set
0 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
- Storm water Report
- Pre-Treatment