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**	**September 12, 2017**

AGENDA

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 August 8, 2017

2. Consider Items Removed from Consent

3. Administration

a. Consider Award of Quote and Approval of Request for Authorization to Purchase for Overhaul of Headworks at Public Works and Overhaul of Headworks at Waste Water Treatment Plant (Choctaw) (RFAP #2018-054)

b. Consider Approval of Request for Authorization for Purchase for RTU Upgrade to Cellular for Communications from Headworks at Public Works to the Waste Water Treatment Plant on Davis Road (RFAP #2018-019)

4. Information Items

a. Landfill Information & Reports - August 2017

b. Solid Waste Collection Report - August 2017

c. Utility Office Monthly Summary Report - July 2017

d. Waste Water Treatment Plant Monthly Report - August 2017

e. Water Treatment Plant Monthly Operation Reports - August 2017

ADJOURNMENT

CERTIFICATE

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 17th day of November, 2016 and that an agenda of said meeting was posted at the place of such meeting at 4:50 p.m. on the 8th day of September, 2017.

____

Cynthia J. Price, City of Durant

Agenda Item: 1.a.

DURANT
· OKLAHOMA ·

The City of Durant

Office of City Clerk

Memorandum

Date: 8/25/2017
To: Utilities Authority
From: Cynthia J. Price, City Clerk
Re: Consider Approval of Regular Meeting Minutes of August 8, 2017

Council Information / Action Requested

Approval of Regular Meeting Minutes of August 8, 2017

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

ATTACHMENTS:

Description	Type	Upload Date
Regular Minutes 8.8.2017	Exhibit	8/25/2017

This is to certify that in conformity with the Oklahoma Open Meeting Act, public notice of the date, time and place of this meeting was filed with the City Clerk of Durant on the 17th day of November, 2016 and that an agenda of said meeting was posted at the place of such meeting at 3:45 p.m. on the 4th day of August, 2017.

MINUTES OF THE REGULAR SCHEDULED MEETING OF THE DURANT CITY UTILITIES AUTHORITY OF August 8, 2017 AT 6:00 PM, Roscoe J. Hatfield Council Chambers, 300 West Evergreen, Durant, Oklahoma

CALL TO ORDER

Chairman Tomlinson called the meeting to order at 8:37 p.m.

ROLL CALL

Present: Trustee Mike Dills	City Attorney Tom Marcum
Trustee Oden Grube	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 July 11, 2017

b. Consider Approval of Request for Authorization to Purchase Emergency Raw Water Pump Repair (RFAP #2017-119)

Approved

Motion was made by Chad Hitchcock and seconded by Destry Hawthorne to approve consent items 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. Utility Office Monthly Summary Report- June 2017

b. Landfill Information & Reports - July 2017

c. Solid Waste Collection Monthly Report - July 2017

d. Waste Water Treatment Plant and Laboratory Monthly Report - July 2017

e. Water Plant Monthly Operation Reports - July 2017

f. Water/Sewer Line Maintenance Report- June 2017

Adjournment

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

Ayes: Dills, Grube, Hawthorne, Hitchcock, Tomlinson

DURANT
· OKLAHOMA ·

The City of Durant

Office of City Clerk

Memorandum

Date:	9/6/2017
To:	Utilities Authority
From:	Terry Condor, Waste Water Treatment Plant Superintendent
Re:	Consider Award of Quote and Approval of Request for Authorization to Purchase for Overhaul of Headworks at Public Works and Overhaul of Headworks at Waste Water Treatment Plant (Choctaw) (RFAP #2018-054)

I have attached the quotes and the Request for Authorization to Purchase for your information. I recommend Automatic Engineering out of Tulsa, Oklahoma. The lowest bidder was out of North Carolina. My reason for recommending Automatic Engineering is logistical. Tulsa is closer than North Carolina. In the event of a problem, this is a critical factor.

Council Information / Action Requested

Award bid to Automatic Engineering and approve Request for Authorization to Purchase in the amount of $20,000.

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

ATTACHMENTS:

Description	Type	Upload Date
RFAP #2018-054	Exhibit	9/6/2017

R02122015

SPEND/CNTRCT#
INCODE PROJ#
RFAP# 2018-054

REQUEST FOR AUTHORIZATION TO PURCHASE

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

Item #

1 Item planned for spending (provide details):
Overhaul the Headworks at Public Works - Overhaul the Headworks at Waste Water Treatment Plant (Choctaw)

2 Department requesting authorization:
Waste Water Treatment Plant

3 Bidding recommendation (award or reject along with name and contact information of vendor):
Recommend: Automatic Engineering

4 Estimated Purchase Date (M/D/Y): November 1, 2017

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

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

7 GL account code: #4050285535069

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

8a Amount requested to spend $20,000.00

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

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 Yes

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:

Automatic Engineering - A Cogent Company: I am recommending this company because they are out of Tulsa and the lowest bid company is out of North Carolina. Reasoning: They are so much closer if we have any problems.

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:

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

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

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

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

10 Signature & date blocks (complete appropriate sections):

N/A

10a Signature of Grants Administrator (if applicable) date (M/D/Y):

Terry Condon 9-6-17

10b Signature Department Head date (M/D/Y):

X 9-6-17

10c Signature of Division Head date (M/D/Y):

9-06-17

10d Signature of Budget Administrator date (M/D/Y):

9-6-17

10e Signature of Finance Manager date (M/D/Y):

X 9-6-17

10f Signature of City Manager (only over $2,000) date (M/D/Y):

9-06-2017

10g Signature of City Treasurer (date) date (M/D/Y):

11h City Manager Comments:

19,881.00

AUTOMATIC ENGINEERING
A COGENT COMPANY

DATE: 7/18/2017

PROPOSAL #: KL071817-02

TO: Terry Condor, City of Durant

PROJECT: Rebuild Bar Screen, Old WWTP

Automatic Engineering proposes to furnish equipment, materials and/or services as described below.

Quantity	Item
1	Perform Rebuild of Huber Headworks Bar Screen and Screw Press to include replacement of brushes, flange bearings, lamella, sealing rings, shafts, sleeves and rebuilding of flush valves. Associated hardware and field labor & travel costs are included.
	Freight is included
	TOTAL **$15,285**

THIS PROPOSAL IS SUBJECT TO OUR STANDARD ATTACHED CONDITIONS OF SALE

TERMS: *Net 30 Days*

SHIPMENT: *2-3 weeks ARO and APPROVAL*

F.O.B. *Factory*

QUOTED BY: *Keith Lovett*
(918) 986-4184 Direct

Office
Phone (918) 585-5703
Fax (918) 585-5707

STANDARD TERMS AND CONDITIONS

Price is FOB factory unless otherwise noted. Price does not include any freight charges unless otherwise noted. Price does not include any applicable duties or sales tax, use tax, excise tax, value-added or other similar taxes that may apply to this equipment and/or project unless otherwise noted. Unless specifically stated, price does not include manual or automatic controls, starters, protective or signal devices, wiring, anchor bolts, gauges, vibration isolation devices, installation, startup or testing.

If the price is included in a proposal, the price is firm for receipt of an order within 30 days of the date shown on the proposal. Any additional terms and conditions included in the proposal are specifically included in these terms and conditions.

Payment terms are net 30 days with approved credit. An interest charge of 1-1/2% per month will be added to balances over 30 days. Retainage of any invoiced amount is unacceptable unless specifically agreed to by Company at the time of order, and shall in no case exceed a period of 120 days. If payments are not timely received by Company, and this account is turned over to an attorney for collections, Customer agrees to pay all reasonable costs and attorney fees incurred in collection of the past due amounts.

Payment of "commercial transaction" invoices by credit card will be charged a fee based upon Cogent's average discount rate for credit card transactions for the prior calendar year. This fee will change annually and is currently 2.55%.

All equipment either rented from or through Company is subject to all of the terms and conditions listed on the back of the rental contract. Pricing does not include any overtime running of power equipment.

In no event shall Company's obligations and liabilities under this Agreement include any direct, indirect, punitive, special, incidental or consequential damages or losses that Customer may suffer or incur in connection with this sale, service or rental, including, but not limited to, loss of revenue or profits, damages or losses as a result of Customer's inability to operate, perform its obligations to third persons or injuries to goodwill; nor shall Company's liability extend to damages or losses Customer may suffer or incur as a result of such claims, suits or other proceedings made or instituted against Customer by third parties. Customer remises, releases and discharges Company from any and all liability or damages which might be caused by failure to deliver any equipment within the agreed time by Company.

Customer shall be responsible for determining the good operating condition of all materials and equipment prior to accepting the materials and equipment. NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE UNLESS THE SAME IS SPECIFICALLY SET FORTH IN WRITING AND ACCEPTED IN WRITING BY COMPANY, BUT IN SUCH CASE THE WARRANTY OR GUARANTEE IS LIMITED AS ABOVE PROVIDED. Notwithstanding the foregoing, Company will pass through to the Customer any warranty provided by the manufacturer of any equipment supplied by Company.

Customer covenants and agrees to defend, indemnify and hold Company harmless from any claims, damages or liability arising out of the use, maintenance or delivery of the equipment or materials purchased or rented hereunder. Customer shall further defend, indemnify and hold Company harmless from any and all damages to third persons or to property caused by Customer's use or possession of the equipment or materials, to the fullest extent allowable by law.

In connection with a proposal, if Customer has any further questions or comments regarding the proposal, please feel free to contact Company. If the proposal meets with Customer's approval, please sign, date and mail or fax a copy of the proposal back to Company's office, and the identified equipment will be ordered and/or scheduled for delivery.

This agreement shall be governed by the laws of the state where the Company's branch office is located from which the equipment is rented or purchased. Customer further agrees that venue and jurisdiction shall be appropriate in the county in which Company's branch office is located from which the equipment was rented or purchased. Any provisions hereof which may prove unenforceable under any law shall not affect the validity of any other provision hereof.

Revised January 2015

AUTOMATIC ENGINEERING

A COGENT COMPANY

DATE: 7/18/2017 **PROPOSAL #: KL071817-01**

TO: Terry Condor, City of Durant **PROJECT:** Rebuild Auger, New WWTP

Automatic Engineering proposes to furnish equipment, materials and/or services as described below.

Quantity	Item
1	Perform Rebuild of Huber Headworks Auger to include replacement of the spiral brushes, rebuild of the flush valves and all associated hardware. Field labor and travel costs are included in the total below.
	Freight is included
	TOTAL **$4,596**

THIS PROPOSAL IS SUBJECT TO OUR STANDARD ATTACHED CONDITIONS OF SALE

TERMS: *Net 30 Days*

SHIPMENT: *2-3 weeks ARO and APPROVAL*

F.O.B. *Factory*

QUOTED BY: *Keith Lovett*
(918) 986-4184 Direct

Office

Phone (918) 585-5703

Fax (918) 585-5707

STANDARD TERMS AND CONDITIONS

Price is FOB factory unless otherwise noted. Price does not include any freight charges unless otherwise noted. Price does not include any applicable duties or sales tax, use tax, excise tax, value-added or other similar taxes that may apply to this equipment and/or project unless otherwise noted. Unless specifically stated, price does not include manual or automatic controls, starters, protective or signal devices, wiring, anchor bolts, gauges, vibration isolation devices, installation, startup or testing.

If the price is included in a proposal, the price is firm for receipt of an order within 30 days of the date shown on the proposal. Any additional terms and conditions included in the proposal are specifically included in these terms and conditions.

Payment terms are net 30 days with approved credit. An interest charge of 1-1/2% per month will be added to balances over 30 days. Retainage of any invoiced amount is unacceptable unless specifically agreed to by Company at the time of order, and shall in no case exceed a period of 120 days. If payments are not timely received by Company, and this account is turned over to an attorney for collections, Customer agrees to pay all reasonable costs and attorney fees incurred in collection of the past due amounts.

Payment of "commercial transaction" invoices by credit card will be charged a fee based upon Cogent's average discount rate for credit card transactions for the prior calendar year. This fee will change annually and is currently 2.55%.

All equipment either rented from or through Company is subject to all of the terms and conditions listed on the back of the rental contract. Pricing does not include any overtime running of power equipment.

In no event shall Company's obligations and liabilities under this Agreement include any direct, indirect, punitive, special, incidental or consequential damages or losses that Customer may suffer or incur in connection with this sale, service or rental, including, but not limited to, loss of revenue or profits, damages or losses as a result of Customer's inability to operate, perform its obligations to third persons or injuries to goodwill; nor shall Company's liability extend to damages or losses Customer may suffer or incur as a result of such claims, suits or other proceedings made or instituted against Customer by third parties. Customer remises, releases and discharges Company from any and all liability or damages which might be caused by failure to deliver any equipment within the agreed time by Company.

Customer shall be responsible for determining the good operating condition of all materials and equipment prior to accepting the materials and equipment. NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE IS MADE UNLESS THE SAME IS SPECIFICALLY SET FORTH IN WRITING AND ACCEPTED IN WRITING BY COMPANY, BUT IN SUCH CASE THE WARRANTY OR GUARANTEE IS LIMITED AS ABOVE PROVIDED. Notwithstanding the foregoing, Company will pass through to the Customer any warranty provided by the manufacturer of any equipment supplied by Company.

Customer covenants and agrees to defend, indemnify and hold Company harmless from any claims, damages or liability arising out of the use, maintenance or delivery of the equipment or materials purchased or rented hereunder. Customer shall further defend, indemnify and hold Company harmless from any and all damages to third persons or to property caused by Customer's use or possession of the equipment or materials, to the fullest extent allowable by law.

In connection with a proposal, if Customer has any further questions or comments regarding the proposal, please feel free to contact Company. If the proposal meets with Customer's approval, please sign, date and mail or fax a copy of the proposal back to Company's office, and the identified equipment will be ordered and/or scheduled for delivery.

This agreement shall be governed by the laws of the state where the Company's branch office is located from which the equipment is rented or purchased. Customer further agrees that venue and jurisdiction shall be appropriate in the county in which Company's branch office is located from which the equipment was rented or purchased. Any provisions hereof which may prove unenforceable under any law shall not affect the validity of any other provision hereof.

Revised January 2015

29,183.00

JCH JAMES, COOKE & HOBSON, INC.
3800 Doniphan Drive El Paso, TX 79922
Phone: 915.581.5458 Fax: 915.581.9242
E-mail: MAS@jchinc.com

August 22, 2017

To: **City of Durant**

Attn: **Terry Condor**

Quotation #: **17-Misc**
Job Name: **WWTP**
Location: **Durant, OK**
Quotation By: **Mark Snyder**

Unless otherwise stated: Prices are firm for 30 days from bid date, payment terms are net 30 days. Interest shall accrue at 0.5% per month on past due amounts per month. Freight terms are FOB Destination, full freight included. Any taxes are additional. **Items included are only those listed below**. Please review carefully.

QTY	DESCRIPTION	TOTAL
	Repair of Bar Screen	
1	Labor and Parts - Brushes - Flange Bearings - Lamella - Sealing Rings - Shaft and Sleeves - Reconditioning of Valves - Misc Hardware - Labor to Complete Above	
	TOTAL	**$21,433**

Notes:

1. Freight is included.
2. Delivery is 6 week.

JCH JAMES, COOKE & HOBSON, INC.
3800 Doniphan Drive El Paso, TX 79922
Phone: 915.581.5458 Fax: 915.581.9242
E-mail: MAS@jchinc.com

August 22, 2017

To: **City of Durant**

Attn: **Terry Condor**

Quotation #: **17-Misc**
Job Name: **WWTP**
Location: **Durant, OK**
Quotation By: **Mark Snyder**

Unless otherwise stated: Prices are firm for 30 days from bid date, payment terms are net 30 days. Interest shall accrue at 0.5% per month on past due amounts per month. Freight terms are FOB Destination, full freight included. Any taxes are additional. **Items included are only those listed below**. Please review carefully.

QTY	DESCRIPTION	TOTAL
	Repair of Auger	
1	Labor and Parts - Spiral Brushes - Reconditioning of Flush Valves - Misc Hardware - Labor to Complete Above	
	TOTAL	**$7,750**

Notes:

1. Freight is included.
2. Delivery is 6 week.

TOTAL 17,534.05

HUBER Technology, Inc. · Huntersville, NC

HUBER TECHNOLOGY
WASTE WATER Solutions

Billing Address
City of Durant
P.O. Box 578
Durant, OK 74702
US - UNITED STATES

Delivery Address
City of Durant
1222 Davis Rd.
Durant, OK 74701
US - UNITED STATES

OFFER:	**71002805 / V1**	Date printed:	Jun 15, 2017
Project:	Durant, OK 283067	Our Reference:	Josh Dobbs
		Phone:	+1-704-949-1004
Your Letter/Your Reference:		Fax:	
		Email:	joshua.dobbs@hhusa.net
		Customer No:	114506
		Phone:	+1-580-931-6644
		Fax:	+1-580-924-8955

All parts in stock unless otherwise indicated below.

Rebuild of SSF Step Screen & WAP/2 Wash Press

Pos	Qty	Unit	Item Description	Country of origin HS-Code	Price USD	Total USD Tax (%)
10/1	200.00	pair	505224 spacer SS#6 t2 T5,8-5,9	DE 39174000	2.10	**420.00** 0%
20/1	30.00	pcs	505307 lamella doubling SSF/6 t2 L252 W122 H6	DE 39174000	21.00	**630.00** 0%
30/1	2.00	pcs	700501 flange bearing RVFW 50 S		94.50	**189.00** 0%
40/1	1.00	pcs	700500 flange bearing RVFW 40 S		89.25	**89.25** 0%
50/1	4.00	pcs	708376 countersunk screw DIN 7991 M10x 25		1.35	**5.40** 0%
60/1	4.00	pcs	702838 hexagon nut DIN 934 M10		0.79	**3.16** 0%
70/1	4.00	pcs	702425		0.37	**1.48**

HUBER TECHNOLOGY
WASTE WATER Solutions

Quotation No: **71002805**
Date: Jun 15, 2017
Page: 2 (8)

Pos	Qty	Unit	Item Description	Country of origin HS-Code	Price USD	Total USD Tax (%)
			washer DIN 125 A10,5			0%
80/1	8.00	pcs	702683 hexagon bolt DIN 933 M12x 40		1.68	**13.44** 0%
90/1	8.00	pcs	702839 hexagon nut DIN 934 M12		1.00	**8.00** 0%
100/1	8.00	pcs	702426 washer DIN 125 A13,0		0.53	**4.24** 0%
110/1	2.00	pcs	702330 retaining ring DIN 471 50x2,00		10.50	**21.00** 0%
120/1	16.00	pcs	505460 shaft D 40f9/25h9 L40,8 DE28LC		142.80	**2,284.80** 0%
130/1	16.00	pcs	505814 sleeve d 40 D 50,0/ 56,0 L 15		97.65	**1,562.40** 0%
140/1	1.00	pcs	10065401 Rebuild Kit Valve Body 5282 DN 32-40		97.00	**97.00** 0%
150/1	3.00	wdg	706604 strip brush D 262 d 210 d0,60 W 8 h10 BL16 H26	US 96035000	78.75	**236.25** 0%
160/1	24.00	pcs	708616 set screw DIN 914 M 5x 6		0.21	**5.04** 0%
170/1	1.00	pcs	501298 sleeve 77H7/ 90h8x 40		443.52	**443.52** 0%
180/1	1.00	pcs	702338 grooved ring 90/110x12		218.40	**218.40** 0%
190/1	6.00	pcs	702874 countersunk screw DIN 963 M 5x 12		0.42	**2.52** 0%
200/1	1.00	pcs	713955 self-aligning ball bearing 22313EA W33 D140 d 65 W 48		275.10	**275.10** 0%

HUBER TECHNOLOGY
WASTE WATER Solutions

Quotation No: **71002805**
Date: Jun 15, 2017
Page: 3 (8)

Pos	Qty	Unit	Item Description	Country of origin HS-Code	Price USD	Total USD Tax (%)
210/1	2.00	pcs	702333 Nilos sealing ring 22313 JV CrNi d77,5 D140		48.30	**96.60** 0%
220/1	2.00	pcs	711343 shim DIN 988 60x 75x0,2		13.86	**27.72** 0%
230/1	1.00	pcs	504555 shim DIN 988 60x 75x3,0 +0/-0,1		47.25	**47.25** 0%
240/1	2.00	pcs	10065405 Rebuild Kit Valve Body 5282 DN 25		90.00	**180.00** 0%
250/1	24.00	HOUR	40001 Labor		128.00	**3,072.00** 0%
260/1	12.00	HOUR	40003 Travel Time		95.00	**1,140.00** 0%
270/1	1.00	pcs	40004 Flight		800.00	**800.00** 0%
280/1	4.00	pcs	40005 Hotel		130.00	**520.00** 0%
290/1	4.00	pcs	40006 Car Rental		100.00	**400.00** 0%
300/1	4.00	pcs	40007 Per Diem		51.00	**204.00** 0%
310/1	1.00	pcs	40008 Misc		200.00	**200.00** 0%

Total net	**USD**	**13,197.57**
Including Tax	**USD**	**0.00**
Total gross	**USD**	**13,197.57**

HUBER Technology, Inc.
Huber Technology, Inc. • 9735 NorthCross Center Court Suite A • Huntersville, NC 28078
Phone (704) 949-1010 • Fax (704) 949-1020 • huber@hhusa.net • www.huber-technology.com

Valid for:	90 days
Delivery:	prepaid and add
Payment terms:	Net 30 days

Best regards

Josh Dobbs

Huber Technology, Inc.

Quotation No:	**71002805**
Date:	Jun 15, 2017
Page:	5 (8)

Aftermarket Sales & Service Rates 2017

Field Service Base Rates

Continental U.S., Mexico and Canada.................... **$128.00 per hour**
Outside Continental U.S., Mexico and Canada.................... **$150.00 per hour**

Training

Product Training.................... **$128.00 per hour**

Travel

Travel (time).................... **$95.00 per hour**
Mileage.................... **$0.54 per mile**

Manufacturing/Engineering Services in house

Services include failure analysis of returned hardware.................... **$100.00 per hour**

Premium Rates

Overtime rate (in excess of 8 hours per day.................... **$187.50 per hour**
Standby rate.................... **Applicable base rate**
Double time rate (Sunday, Holiday, or in excess of 12 hours).................... **$250.00 per hour**

Expenses

Travel and accommodations.................... **Actual cost**
Per Diem....................Business Rate Plan 1.. **$51.00 per day**
High Cost Area Rate 2.. **$66.00 per day**
Service Truck Rate .... **$75.00 per day**
Materials, Equipment Rental, Supplies.................... **Actual cost plus 20%**
Laboratory testing.................... **Actual cost plus 20%**

Fees

Visa, work permits, taxes, user fees or special assessments, etc.................... **Actual cost**

Cancellation Charges

Prior to departure for travel expenses incurred (i.e. airline / change fees).................... **Actual cost**

Aftermarket Sales & Service Rates 2017

Field service Base Rate. Rates are calculated from the day the Service Specialist departs Huber Technology, Huntersville, North Carolina until the day the Service Specialist returns to Huber Technology, Inc., Huntersville, North Carolina. Rates include weekends and holidays. If a Service Specialist is required to travel from any other location, including, Germany the rates are calculated from when the Service Specialist departs the home office until the day the Service Specialist returns to the home office.

Travel. Time includes transportation to and from the airport, security clearance, time between flight changes, driving time and local travel to and from worksite. Travel time in excess of eight (8) hours may be billed at the premium rate.

Double Time. Any Sunday or **Recognized Huber Technology, Inc. Holiday.**

Transportation. The customer is responsible for reimbursing Huber Technology, Inc. for all transportation charges associated with service work. Flights will be booked as coach-tourist class unless it is unavailable. Rental car, gas, taxis, airport / hotel limousines, company or personal vehicles will be used when necessary.

Standby rate. Applies to the time a Service Specialist is available for work and is located at or near the job site but unable to work due to circumstances beyond his control. Time shall be considered time worked and will be charged at the applicable base or premium rate.

Accommodations and Meals. Meals are charged at $51.00 per day or $66.00 per day depending on the area (See Business Rate Plan 1 and 2). If an overnight stay is required, the customer is required to reimburse Huber Technology, Inc. for lodging charges. Hotel rooms will be booked on a business executive, single occupancy basis.

Visa, Work Permits & Local Taxes. The customer is responsible to pay any and all taxes, user fees or special assessments. If a visa or work permit is required before departing for an international assignment, the fee will be charged to the customer at actual cost (including any expediting charges).

Warranties. Per Huber Technology, Inc.'s Terms and Conditions of Sale, Huber Technology, Inc. warrants Field Service work performed at site. "Breach of Warranty" claims do not entitle the customer to refuse payment for field service work.

HUBER TECHNOLOGY, INC. MAKES NO OTHER WARRANTY, EXPRESS OR IMPLIED, WITH REGARD TO THE DESIGN, SALE, MERCHANTABILITY OR FITNESS OF THE GOODS FOR A PARTICULAR PURPOSE OR USE EXCEPT AS EXPRESSLY SET FORTH IN HUBER TECHNOLOGY, INC.'S TERMS AND CONDITIONS. HUBER TECHNOLOGY, INC. IS NOT SUBJECT TO ANY OTHER OBLIGATIONS OR LIABILITIES ARISING OUT OF BREACH OF CONTRACT OR WARRANTY, TORT CLAIMS INCLUDING NEGLIGENCE AND STRICT LIABILITY, OR ANY OTHER THEORIES OF LAW. HUBER TECHNOLOGY, INC. IS UNDER NO EVENT LIABLE FOR ANY SPECIFIC, INDIRECT, INCIDENTAL OR CONSEQUENTIAL LOSS, DAMAGES, EXPENSE, INJURY, DISMEMBERMENT, OR DEATH OF ANY KIND WHATSOEVER.

SCHEDULING – 10 Working Days Notice. Request for field service should be made in writing (letter, fax or e-mail) to Huber Technology, Inc. at least ten (10) working days prior to the date for which services are requested. Confirmation of the service will be conveyed verbally by Huber Technology, Inc.

Insurance. All Huber Technology, Inc. Service Specialists are insured. Liability insurance certificates may be provided upon request by the customer in order to allow for sufficient time for document processing, the request must be made at least seven (7) working days prior to the date of services.

Hazardous Locations.
Huber Technology, Inc. reserves the right to recall its personnel if the worksite does not meet governmental health and safety standards.

Minimum Daily Charge. For all Field Service Base Rates or combinations of Base Rates, the minimum fee will be for eight (8) hours. If services are performed on the same day as travel, travel time will be billed in addition to service time.

Overtime. The overtime rate applies to work or travel in excess of eight (8) hours per day (weekdays) and all Saturday work. Workdays in excess of (16) hours are prohibited. Service specialist are NOT required to perform, and may decline, work in excess of twelve (12) hours. The overtime charge shall be at the base rate plus a one hundred percent (100%) premium.

Recognized Huber Technology, Inc. Holidays New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve and Christmas Day.

Expenses. The customer is responsible for ALL expenses associated with service work. All travel expenses including airfare, taxi, mileage for personal or company owned vehicles or any other chauffeured vehicle, living accommodations and meals will be invoiced. Invoices will include a cost break-down. Copies of receipts will not be furnished unless specifically requested. Original receipts cannot be provided. Receipts for under $25.00 cannot be provided. Use of personal or company owned vehicles will be invoice at the rate set by IRS mileage regulations.

Payment. All field service invoices are in U.S. Currency and all payments must be in U.S. Dollars. Payment is due NET 30 DAYS from the date of invoice.

Purchase Orders. A purchase order is required BEFORE any field service arrangements will be made. The purchase order is to be made out to Huber Technology, Inc. and must contain the following information:

1) Customer's name, 2) company, 3) billing address, 4) dates of service, 5) type of service requested (i.e. installation, commissioning, troubleshooting, training, etc.), 6) serial number / model number, 7) equipment purchase order number, and 8) equipment tag numbers. A "confirming-copy" purchase order must follow any preliminary arrangements. Equipment location including city, state, plant site, directions to the site, a local contact and telephone number must also be included.
2) Amended Purchase Orders. An amended PO is required if services are extended beyond the cost of the original PO. If the Service Specialist is on site and an amendment is required, the PO must be completed and submitted to Huber Technology, Inc. before the Service Specialist can continue working.

Applicable law. Any purchase order accepted by Huber Technology, Inc. in conjunction with Field Service work, shall be deemed to have been executed, delivered and accepted in the State of North Carolina, USA and shall be governed, construed and enforced pursuant to the laws of the State of North Carolina, USA

Huber Technology, Inc. can not offer fixed lump sum contracts for Field Service activities. The duration of site visitation is neither under our direct control nor influence, and as such we can only provide estimates of time on-site to affect the required service actions. Field service published rates and terms are valid through December 2017.

Warranty and Returns Policy & Instructions

Huber Technology, Inc. ("Huber") warranties any **original** Huber Service part (mechanical or electrical) for a period of three (3) months from the date of purchase. Should the part fail within the three (3) month warranty period, a replacement will be supplied at no charge ("Replacement Part").

- This warranty is only valid if the product is operated in accordance with the manufacturer's instructions.
- The Replacement Part must not be modified or changed in any way.
- The Replacement Part must be installed by a qualified person to the manufacturer's specifications.

This Warranty does not apply to any damage or defect arising out of any of the following circumstances:

- Parts needing repair or replacement due to events or circumstances outside of normal use and operation of the equipment.
- Parts or components damaged due to power surges, short circuits, loss of power, lightning strikes, fire or water damage, vandalism, theft, or any other causes outside of normal use and operation of the equipment or that would normally be covered by casualty insurance on the equipment.
- Damage or defects caused by neglect, incorrect application, abuse, or by accidental damage of the parts or components.
- Repair or replacement of parts or components due to improper or negligent operation of the equipment.
- Damage or defects to the parts, components, or equipment caused by the attempted repair by an unauthorized or unqualified person.

All Huber parts warranties are non- transferable, and cannot be sold, assigned or transferred in any other way.

This warranty of **original** Huber Service parts does not include the labor to remove the defective part nor the labor to install the new part. **All labor costs associated with replacement of the part is the responsibility of the Customer.** The request for assistance of a certified Huber field service specialist is available upon the issuance of a purchase order by the Customer. The fee for the assistance of a field service specialist includes the labor (billed at prevailing Huber Field Service Base Rates) plus associated expenses for travel to and from the jobsite.

Return of New Wear or Spare Parts:

- Any **original** Huber Service part(s) returned to Huber after a purchase order has been submitted is subject to a flat twenty percent(20%) restocking fee for each part returned.
- The customer has up to thirty (30) days to return a part from the purchase order submittal date to Huber. **Returns will not be accepted past thirty (30) days.**
- Part(s) must be new and never installed. Any indication of wear or installation, at Huber's sole discretion, will result in the part being shipped back to Customer, at the Customer's cost, and no credit will be issued.
- **Exception:** The customer may exchange, without a restocking fee, if the incorrect part is delivered and/or sold to the Customer by a Huber team member. Huber will ship the correct part to the Customer expeditiously. A refund will be issued to the Customer upon receipt of the incorrect part at the Huber warehouse.
- **Exception:** The customer may return without a restocking fee unused parts if they were sold as part of a complete rebuild and the technician decided the parts were not needed. The customer has thirty (30) days from the date that the rebuild/service was completed. After the thirty (30) days have expired the normal Huber restocking fee will apply.

Warranty and Returns Policy & Instructions

Return of Damaged / Defective Items

- In the event of a damaged or defective part, the return process can often be expedited by providing a digital image of the damage or defect (along with a clear description of the problem) in an email to the Huber Aftermarket Team ("Aftermarket Team") at the following email address: returns@hhusa.net. The phone and fax numbers for Aftermarket Team are: 704.990.2045; Fax: 704.896.2830. Huber reserves the right to inspect in person even if a digital image is provided as outlined above.
- If the damage or defect **cannot be verified over the phone or via email** contact, the item may be required to be returned to Huber Technology, Inc. for inspection before a determination can be made as to the state of the product.
- The Aftermarket Team will validate the warranty claim for the defective part.
- If the Aftermarket Team determines that the part is under warranty and should be replaced, the Aftermarket Team will provide a Return Merchandise Authorization ("RMA") number and a shipping address to the Customer for the return of the defective part.
- The Customer shall ship the part to the specified address with the RMA number listed on the outside of the package.
- When the warranty part has been repaired (or replaced) by Huber, the part will be shipped to the "ship-to" address included in the RMA information provided by the Customer.

Return shipping cost

- ONLY in the event that an incorrect part is sold to the Customer by a Huber team member, will Huber pay for shipping. The Customer will be provided with a prepaid return shipping label.
- UNDER ALL OTHER CIRCUMSTANCES, the Customer returning the part(s) is responsible for any freight costs incurred for returning the part(s).
- UNDER NO CIRCUMSTANCE will Huber reimburse (or provide credit) for return shipping costs incurred by the Customer.

How to Request an RMA (Return Merchandise Authorization)

Contact the Huber Technology Aftermarket Sales Team and request a Return Merchandise Authorization ("RMA") number.

- Completely fill out the RMA form.
- Include the completed RMA form in the package along with the item(s) to be returned.
- Write the RMA number conspicuously on the outside of the package to ensure proper routing upon receipt by the Aftermarket Team.
- Ship the package to:
  - **Huber Technology, Inc.**
    Aftermarket Sales and Service
    9735 NorthCross Center Court , Suite A
    Huntersville NC 28078

    Phone: 704.990.2050 Fax: 704.896.2830 Email: returns@hhusa.net

HUBER TECHNOLOGY
WASTE WATER Solutions

Billing Address
City of Durant
P.O. Box 578
Durant, OK 74702
US - UNITED STATES

Delivery Address
City of Durant
1222 Davis Rd.
Durant, OK 74701
US - UNITED STATES

OFFER: **71002809 / V1**
Project: Durant, OK 289097

Your Letter/Your Reference:

Date printed: Jun 15, 2017
Our Reference: Josh Dobbs
Phone: +1-704-949-1004
Fax:
Email: joshua.dobbs@hhusa.net

Customer No: 114506
Phone: +1-580-931-6644
Fax: +1-580-924-8955

All parts in stock unless otherwise indicated below.

Pos	Qty	Unit	Item Description	Country of origin HS-Code	Price USD	Total USD Tax (%)
10/1	4.00	wdg	706581 strip brush D 462 d 410 d0,60 W 8 h10 BL16 H26	DE 96035000	117.60	**470.40** 0%
20/1	42.00	pcs	503236 holding plate 55/25/3 1xsh7x20		3.47	**145.74** 0%
30/1	42.00	pcs	703690 lens head screw DIN 7380 M 6x25		1.42	**59.64** 0%
40/1	42.00	pcs	703106 washer DIN 9021 A 6,4		0.64	**26.88** 0%
50/1	42.00	pcs	702836 hexagon nut DIN 934 M 6		0.21	**8.82** 0%
60/1	2.00	pcs	10065405 Rebuild Kit Valve Body 5282 DN 25		90.00	**180.00** 0%
70/1	8.00	HOUR	40001		128.00	**1,024.00**

HUBER TECHNOLOGY
WASTE WATER Solutions

Quotation No: **71002809**
Date: Jun 15, 2017
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Pos	Qty	Unit	Item Description	Country of origin HS-Code	Price USD	Total USD Tax (%)
			Labor			0%
80/1	1.00	pcs	40005 Hotel		130.00	**130.00** 0%
90/1	1.00	pcs	40006 Car Rental		100.00	**100.00** 0%
100/1	1.00	pcs	40007 Per Diem		51.00	**51.00** 0%
110/1	1.00	pcs	40008 Misc		200.00	**200.00** 0%
120/1	12.00	HOUR	40003 Travel Time		95.00	**1,140.00** 0%
130/1	1.00	pcs	40004 Flight		800.00	**800.00** 0%

Total net	**USD**	**4,336.48**
including Tax	**USD**	**0.00**
Total gross	**USD**	**4,336.48**

Valid for: 90 days
Delivery: prepaid and add
Payment terms: Net 30 days

Best regards

Josh Dobbs

Huber Technology, Inc.

Quotation No:	**71002809**
Date:	Jun 15, 2017
Page:	3 (6)

Aftermarket Sales & Service Rates 2017

Field Service Base Rates

Continental U.S., Mexico and Canada.................... **$128.00 per hour**
Outside Continental U.S., Mexico and Canada.................... **$150.00 per hour**

Training

Product Training.................... **$128.00 per hour**

Travel

Travel (time).................... **$95.00 per hour**
Mileage.................... **$0.54 per mile**

Manufacturing/Engineering Services in house

Services include failure analysis of returned hardware.................... **$100.00 per hour**

Premium Rates

Overtime rate (in excess of 8 hours per day.................... **$187.50 per hour**
Standby rate.................... **Applicable base rate**
Double time rate (Sunday, Holiday, or in excess of 12 hours).................... **$250.00 per hour**

Expenses

Travel and accommodations.................... **Actual cost**
Per Diem....................Business Rate Plan 1.. **$51.00 per day**
High Cost Area Rate 2.. **$66.00 per day**
Service Truck Rate .... **$75.00 per day**
Materials, Equipment Rental, Supplies.................... **Actual cost plus 20%**
Laboratory testing.................... **Actual cost plus 20%**

Fees

Visa, work permits, taxes, user fees or special assessments, etc.................... **Actual cost**

Cancellation Charges

Prior to departure for travel expenses incurred (i.e. airline / change fees).................... **Actual cost**

Quotation No: **71002809**
Date: Jun 15, 2017
Page: 4 (6)

Aftermarket Sales & Service Rates 2017

Field service Base Rate. Rates are calculated from the day the Service Specialist departs Huber Technology, Huntersville, North Carolina until the day the Service Specialist returns to Huber Technology, Inc., Huntersville, North Carolina. Rates include weekends and holidays. If a Service Specialist is required to travel from any other location, including, Germany the rates are calculated from when the Service Specialist departs the home office until the day the Service Specialist returns to the home office.
Travel. Time includes transportation to and from the airport, security clearance, time between flight changes, driving time and local travel to and from worksite. Travel time in excess of eight (8) hours may be billed at the premium rate.
Double Time. Any Sunday or **Recognized Huber Technology, Inc. Holiday.**
Transportation. The customer is responsible for reimbursing Huber Technology, Inc. for all transportation charges associated with service work. Flights will be booked as coach-tourist class unless it is unavailable. Rental car, gas, taxis, airport / hotel limousines, company or personal vehicles will be used when necessary.
Standby rate. Applies to the time a Service Specialist is available for work and is located at or near the job site but unable to work due to circumstances beyond his control. Time shall be considered time worked and will be charged at the applicable base or premium rate.
Accommodations and Meals. Meals are charged at $51.00 per day or $66.00 per day depending on the area (See Business Rate Plan 1 and 2). If an overnight stay is required, the customer is required to reimburse Huber Technology, Inc. for lodging charges. Hotel rooms will be booked on a business executive, single occupancy basis.
Visa, Work Permits & Local Taxes. The customer is responsible to pay any and all taxes, user fees or special assessments. If a visa or work permit is required before departing for an international assignment, the fee will be charged to the customer at actual cost (including any expediting charges).
Warranties. Per Huber Technology, Inc.'s Terms and Conditions of Sale, Huber Technology, Inc. warrants Field Service work performed at site. "Breach of Warranty" claims do not entitle the customer to refuse payment for field service work.

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SCHEDULING – 10 Working Days Notice. Request for field service should be made in writing (letter, fax or e-mail) to Huber Technology, Inc. at least ten (10) working days prior to the date for which services are requested. Confirmation of the service will be conveyed verbally by Huber Technology, Inc.
Insurance. All Huber Technology, Inc. Service Specialists are insured. Liability insurance certificates may be provided upon request by the customer in order to allow for sufficient time for document processing, the request must be made at least seven (7) working days prior to the date of services.

Hazardous Locations.
Huber Technology, Inc. reserves the right to recall its personnel if the worksite does not meet governmental health and safety standards.
Minimum Daily Charge. For all Field Service Base Rates or combinations of Base Rates, the minimum fee will be for eight (8) hours. If services are performed on the same day as travel, travel time will be billed in addition to service time.
Overtime. The overtime rate applies to work or travel in excess of eight (8) hours per day (weekdays) and all Saturday work. Workdays in excess of (16) hours are prohibited. Service specialist are NOT required to perform, and may decline, work in excess of twelve (12) hours. The overtime charge shall be at the base rate plus a one hundred percent (100%) premium.
Recognized Huber Technology, Inc. Holidays New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving Day, Christmas Eve and Christmas Day.
Expenses. The customer is responsible for ALL expenses associated with service work. All travel expenses including airfare, taxi, mileage for personal or company owned vehicles or any other chauffeured vehicle, living accommodations and meals will be invoiced. Invoices will include a cost break-down. Copies of receipts will not be furnished unless specifically requested. Original receipts cannot be provided. Receipts for under $25.00 cannot be provided. Use of personal or company owned vehicles will be invoice at the rate set by IRS mileage regulations.
Payment. All field service invoices are in U.S. Currency and all payments must be in U.S. Dollars. Payment is due NET 30 DAYS from the date of invoice.
Purchase Orders. A purchase order is required BEFORE any field service arrangements will be made. The purchase order is to be made out to Huber Technology, Inc. and must contain the following information:

1) Customer's name, 2) company, 3) billing address, 4) dates of service, 5) type of service requested (i.e. installation, commissioning, troubleshooting, training, etc.), 6) serial number / model number, 7) equipment purchase order number, and 8) equipment tag numbers. A "confirming-copy" purchase order must follow any preliminary arrangements. Equipment location including city, state, plant site, directions to the site, a local contact and telephone number must also be included.
2) Amended Purchase Orders. An amended PO is required if services are extended beyond the cost of the original PO. If the Service Specialist is on site and an amendment is required, the PO must be completed and submitted to Huber Technology, Inc. before the Service Specialist can continue working.

Applicable law. Any purchase order accepted by Huber Technology, Inc. in conjunction with Field Service work, shall be deemed to have been executed, delivered and accepted in the State of North Carolina, USA and shall be governed, construed and enforced pursuant to the laws of the State of North Carolina, USA

Huber Technology, Inc. can not offer fixed lump sum contracts for Field Service activities. The duration of site visitation is neither under our direct control nor influence, and as such we can only provide estimates of time on-site to affect the required service actions. Field service published rates and terms are valid through December 2017.

Quotation No:	**71002809**
Date:	Jun 15, 2017
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Warranty and Returns Policy & Instructions

Huber Technology, Inc. ("Huber") warranties any **original** Huber Service part (mechanical or electrical) for a period of three (3) months from the date of purchase. Should the part fail within the three (3) month warranty period, a replacement will be supplied at no charge ("Replacement Part").

- This warranty is only valid if the product is operated in accordance with the manufacturer's instructions.
- The Replacement Part must not be modified or changed in any way.
- The Replacement Part must be installed by a qualified person to the manufacturer's specifications.

This Warranty does not apply to any damage or defect arising out of any of the following circumstances:

- Parts needing repair or replacement due to events or circumstances outside of normal use and operation of the equipment.
- Parts or components damaged due to power surges, short circuits, loss of power, lightning strikes, fire or water damage, vandalism, theft, or any other causes outside of normal use and operation of the equipment or that would normally be covered by casualty insurance on the equipment.
- Damage or defects caused by neglect, incorrect application, abuse, or by accidental damage of the parts or components.
- Repair or replacement of parts or components due to improper or negligent operation of the equipment.
- Damage or defects to the parts, components, or equipment caused by the attempted repair by an unauthorized or unqualified person.

All Huber parts warranties are non- transferable, and cannot be sold, assigned or transferred in any other way.

This warranty of **original** Huber Service parts does not include the labor to remove the defective part nor the labor to install the new part. **All labor costs associated with replacement of the part is the responsibility of the Customer.** The request for assistance of a certified Huber field service specialist is available upon the issuance of a purchase order by the Customer. The fee for the assistance of a field service specialist includes the labor (billed at prevailing Huber Field Service Base Rates) plus associated expenses for travel to and from the jobsite.

<u>Return of New Wear or Spare Parts:</u>

- Any **original** Huber Service part(s) returned to Huber after a purchase order has been submitted is subject to a flat twenty percent(20%) restocking fee for each part returned.
- The customer has up to thirty (30) days to return a part from the purchase order submittal date to Huber. **Returns will not be accepted past thirty (30) days.**
- Part(s) <u>must</u> be new and never installed. Any indication of wear or installation, at Huber's sole discretion, will result in the part being shipped back to Customer, at the Customer's cost, and no credit will be issued.
- **Exception:** The customer may <u>exchange,</u> without a restocking fee, if the incorrect part is delivered and/or sold to the Customer by a Huber team member. Huber will ship the correct part to the Customer expeditiously. A refund will be issued to the Customer upon receipt of the incorrect part at the Huber warehouse.
- **Exception:** The customer may <u>return</u> without a restocking fee unused parts if they were sold as part of a complete rebuild and the technician decided the parts were not needed. The customer has thirty (30) days from the date that the rebuild/service was completed. After the thirty (30) days have expired the normal Huber restocking fee will apply.

Warranty and Returns Policy & Instructions

Return of Damaged / Defective Items

- In the event of a damaged or defective part, the return process can often be expedited by providing a digital image of the damage or defect (along with a clear description of the problem) in an email to the Huber Aftermarket Team ("Aftermarket Team") at the following email address: returns@hhusa.net. The phone and fax numbers for Aftermarket Team are: 704.990.2045; Fax: 704.896.2830. Huber reserves the right to inspect in person even if a digital image is provided as outlined above.
- If the damage or defect **cannot be verified over the phone or via email** contact, the item may be required to be returned to Huber Technology, Inc. for inspection before a determination can be made as to the state of the product.
- The Aftermarket Team will validate the warranty claim for the defective part.
- If the Aftermarket Team determines that the part is under warranty and should be replaced, the Aftermarket Team will provide a Return Merchandise Authorization ("RMA") number and a shipping address to the Customer for the return of the defective part.
- The Customer shall ship the part to the specified address with the RMA number listed on the outside of the package.
- When the warranty part has been repaired (or replaced) by Huber, the part will be shipped to the "ship-to" address included in the RMA information provided by the Customer.

Return shipping cost

- ONLY in the event that an incorrect part is sold to the Customer by a Huber team member, will Huber pay for shipping. The Customer will be provided with a prepaid return shipping label.
- UNDER ALL OTHER CIRCUMSTANCES, the Customer returning the part(s) is responsible for any freight costs incurred for returning the part(s).
- UNDER NO CIRCUMSTANCE will Huber reimburse (or provide credit) for return shipping costs incurred by the Customer.

How to Request an RMA (Return Merchandise Authorization)

Contact the Huber Technology Aftermarket Sales Team and request a Return Merchandise Authorization ("RMA") number.

- Completely fill out the RMA form.
- Include the completed RMA form in the package along with the item(s) to be returned.
- Write the RMA number conspicuously on the outside of the package to ensure proper routing upon receipt by the Aftermarket Team.
- Ship the package to:
  - **Huber Technology, Inc.**
    Aftermarket Sales and Service
    9735 NorthCross Center Court , Suite A
    Huntersville NC 28078

    Phone: 704.990.2050 Fax: 704.896.2830 Email: returns@hhusa.net

Agenda Item: 3.b.

The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date:	9/5/2017
To:	Utilities Authority
From:	Terry Condor, Waste Water Treatment Plant Superintendent
Re:	Consider Approval of Request for Authorization for Purchase for RTU Upgrade to Cellular for Communications from Headworks at Public Works to the Waste Water Treatment Plant on Davis Road (RFAP #2018-019)

Council Information / Action Requested

Approval of Request For Authorization To Purchase In The Amount of $20,000 For RTU Upgrade To Cellular For Communications From Headworks At Public Works To The Waste Water Treatment Plant On Davis Road (RFAP #2018-019).

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

ATTACHMENTS:

Description	Type	Upload Date
RTP Upgrade to cellular for communications from Headworks at Public Works to the WWTP on Davis Rd.	Cover Memo	9/5/2017

R02122015

SPEND/CNTRCT#
INCODE PROJ#
RFAP #2018-019

REQUEST FOR AUTHORIZATION TO PURCHASE

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

Item #		
1	Item planned for spending (provide details): RTU UPGRADE TO CELLULAR FOR COMMUNICATIONS FROM HEADWORKS AT PUBLIC WORKS TO THE WWTP ON DAVIS RD.	
2	Department requesting authorization: WWTP	
3	Bidding recommendation (award or reject along with name and contact information of vendor): INDUSTRIAL NETWORKING SOLUTIONS	
4	Estimated Purchase Date (M/D/Y):	November 1, 2017
5	What are the financing or lease purchase terms (APR %, length of financing, payments, etc.)	
6	Is this item included in the current FY budget (Yes/No)	Yes
7	GL account code:	#405-028-553-50-69
8	Spending / purchase request details (complete below blanks):	
8a	Amount requested to spend	$20,000.00
8b	Item (new or replacement, if a capital item complete fixed asset form)?	New
8c	Old Item to be Traded-In (Yes / No). Note: if a capital item complete fixed asset form?	No
	If a Replacement Item, give description, age and condition of item to be replaced (including model & serial or VIN, trade allowance)	
8d	Is a contractor written agreement involved (Yes / No), if yes include a copy of the contract after City Attorney Review	No
8e	Does the purchase involve Grant Funding (Yes or No)	No
8f	What is the City Cash Match for the Grant	$
8g	What other match or financial obligation is involved with the City accepting this Grant (explain with details)	

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

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

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

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

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 COMPANY IS THE ONLY VENDOR THAT CAN INSTALL THIS TYPE OF COMMUNICATIONS, WITHOUT COMMUNICATIONS THERE IS A VERY GOOD CHANCE THAT A LOT OF EQUIPMENT COULD BE DESTROYED TO THE EFFLUENT STATION AND HEADWORKS.

10 Signature & date blocks (complete appropriate sections):

N/A

10a Signature of Grants Administrator (if applicable) date (M/D/Y):

X Terry Cardo 9-5-17

10b Signature Department Head date (M/D/Y):

X [signature] 9-5-17

10c Signature of Division Head date (M/D/Y):

MHall 9.5.17

10d Signature of Budget Administrator date (M/D/Y):

N/A

10e Signature of Project Manager date (M/D/Y):

X [signature] 9-05-2017

10f Signature of City Treasurer date (M/D/Y):

X Normalla Miller Dcm 9-5-17

10g Signature of City Manager (only over $2,000) date (M/D/Y):

11h City Manager Comments:

August 28, 2017

City of Durant
1201 NE 2nd Street
Durant, OK 46809

Reference: INS-91240 – Waste Water Treatment Plant Cellular Survey and Audit

Thank you for the opportunity to provide this cellular site survey and requirements for upgrading the Wastewater/Headworks communication system. As requested, we developed a document that provides empirical data to recommend a cellular carrier and installation details for the Waste Water Treatment Plant in Durant, OK.

INS Services provides our customers with the confidence that their network (wired or wireless) is manageable, expandable, reliable and secure. We accomplish this with well-trained resources, world-class products and years of application experience. INS Services are provided by highly trained network professionals with control system backgrounds. INS Services designs, deploys and supports open-architecture solutions for the manufacturing floor, process control systems and municipal control markets. Our approach delivers investment protection, operational efficiency and significantly reduces total cost of ownership.

Many companies, municipalities, and engineering firms turn to INS Services for industrial network design, consulting, wireless technologies, security, data integration and certification services. INS Services specializes in networking technology, not controls integration, giving our customers confidence that professional networking standards are integrated with manufacturing or process applications. Professional Industrial IT Services is what we do.

We appreciate the opportunity to provide this service and look forward to working with you on this and future projects. If you have any questions, please contact me at 972-248-7466. Thank you again for your time and consideration.

Sincerely,

Joel Albert
Director of Services
Industrial Networking Solutions
www.industrialnetworking.com

Table of Contents

Project Goals

The City of Durant has requested documented results of a cellular site survey and installation details for the water treatment plant at 1222 East Davis Rd and 1201 NE 2nd Street in Durant, OK to replace existing serial radio communications with cellular modems to connect the two sites. This document will provide the testing data and recommended cellular carrier.

Testing Hardware / Methodology

For the testing, we utilized a Cradlepoint modem. The modem was configured for the Verizon LTE network. The modem was provisioned with public IP address, and DHCP was enabled to allow our PC to communicate directly to the Internet. The modem was connected to a low-gain antenna and placed near the location of the existing network equipment. We use a low gain antenna, as we test to the worst-case scenario, but should have better results once the customer installs a higher gain antenna if required.

Below are the following details on the modems:

Verizon Cradlepoint IBR-650

To collect the data, we perform three simple procedures/tests. The first procedure observes modem diagnostics. This data provides us information such as signal strength, carrier operator, network connection, etc.... This confirms to us if a network is available, and generally, what data rates we should expect.

The second test is a data transfer speed test. For this test, we use www.speedtest.net to get our average upload and download speeds.

Our third test is network quality. We use PingPlotter to continuously ping a server. This test provides us average ping times in graphical format and allows us to view the network quality over a duration. For our test, we ping the Google DNS server (8.8.8.8).

The cellular site survey consists of collecting WAN performance data from actual modems and antenna combinations that have been temporarily installed at one or more locations around the site. The collected data falls into two general categories that include LTE cellular performance and WAN performance data. To determine the quality of the LTE cellular connection the following parameters are recorded directly from the cellular modem.

The cellular site survey consists of collecting WAN performance data from actual modems and antenna combinations that have been temporarily installed at one or more locations around the site. The collected data falls into two general categories that include LTE cellular performance and WAN performance data. To determine the quality of the LTE cellular connection the following parameters are recorded directly from the cellular modem.

- Reference Signal Received Power (RSRP) – A measure of signal strength. This value is the average power level of the resource elements carrying the reference signal within a resource block. Used by user equipment for cell selection and reported to the network to assist in handover.
- Reference Signal Received Quality (RSRQ) – A measure of signal quality. The ratio of RSRP multiplied by the total number of resource blocks all divided by the Received Signal Stretch Indicator (RSSI). Where the RSSI is the total power contained within the specific spectrum. This value is reported to the network and is used to assist in handover.
- Signal to Interference-Plus-Noise Ratio (SINR) – A measure of data throughput. This value is calculated by user equipment based on usable signal levels, interference levels from other cells, and background noise levels. This value is not reported to the network but is a good measurement of data throughput. The following table summarizes and ranks values for the LTE parameters described above. The goal for any fixed modem is to choose and locations that result in excellent values for all the LTE performance parameters.

Parameter	Signal	Excellent	Good	Fair	Poor
RSRP	Strength	> -90 dB	-90 dB to -105 dB	-106 dB to -120 dB	< -120 dB
RSRQ	Quality	> -9 dB	-9 dB to -12 dB	< -13 dB	
SINR	Throughput	> 10 dB	10 dB to 6 dB	5 dB to 0 dB	< 0 dB

Results

Verizon Modem Diagnostics at HeadWorks

The following images are test results from the Verizon network. Overall network quality is very good. The SINR is good, but fluctuating, and the RSRQ in the excellent range with standard antennas.

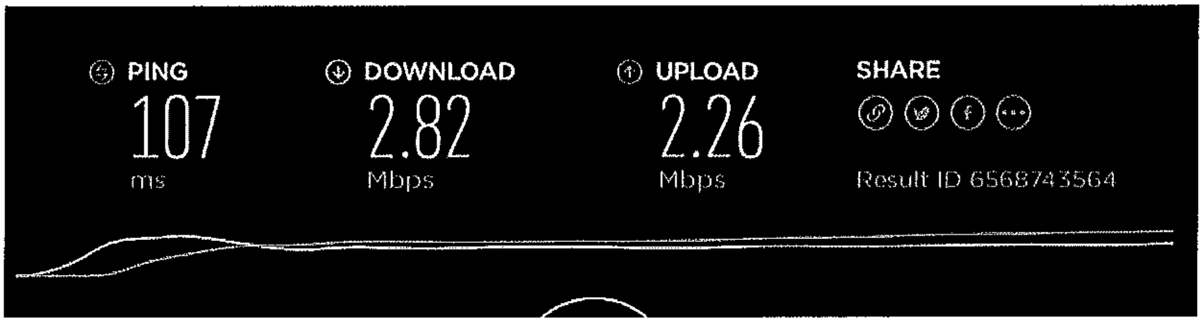
Summary	
State	connected
Manufacturer	Cradlepoint Inc.
Model	Internal LPE
Modem Firmware Version	SWI9X15C_05.05.58.01 r27044 carmd-fwbuild1 2015/03/05 00:02:40
Service Display	LTE
Registered Carrier	Verizon Wireless
Home Carrier	Verizon
Roaming Status	Home
Signal Strength	94
RSSI	-78 dBm
SINR	11.2 dB
RSRP	-106 dB
RSRQ	-8 dB
Mobile Directory Number	+14694042276
MEID	A100003A04539B
IMEI	353547062367928
Network Address Identifier (NAI)	4694042276@vzims.com
Current APN	so01.vzwstatic
IP Address	166.141.86.95
Netmask	255.255.255.192
Gateway	166.141.86.96

With higher gain omni-directional antennas, like what would be installed, the results were even better. The RSSI and RSRP were better, and the SINR and RSRQ were about the same, still fluctuating a little bit.

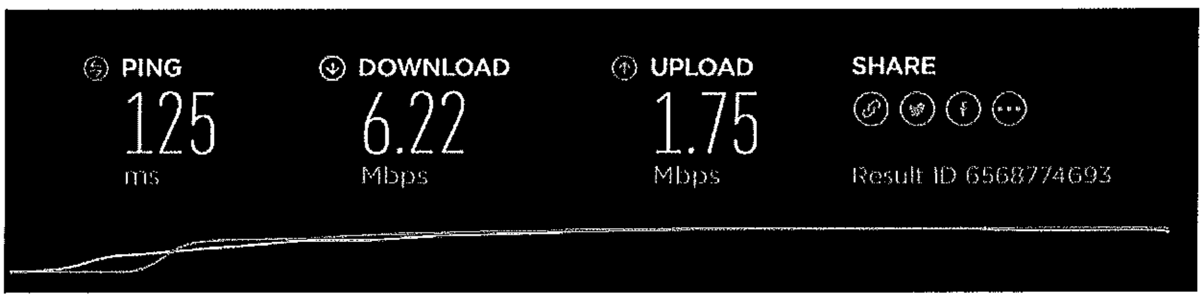
Summary	
State	connected
Manufacturer	Cradlepoint Inc.
Model	Internal LPE
Modem Firmware Version	SWI9X15C_05.05.58.01 r27044 carmd-fwbuild1 2015/03/05 00:02:40
Service Display	LTE
Registered Carrier	Verizon Wireless
Home Carrier	Verizon
Roaming Status	Home
Signal Strength	100
RSSI	-70 dBm
SINR	4.6 dB
RSRP	-101 dB
RSRQ	-10 dB
Mobile Directory Number	+14694042276
MEID	A100003A04539B
IMEI	353547062367928
Network Address Identifier (NAI)	4694042276@vzims.com
Current APN	so01.vzwstatic
IP Address	166.141.86.95
Netmask	255.255.255.192
Gateway	166.141.86.96

Verizon Speed Test

With standard antennas we achieved a decent download speed.

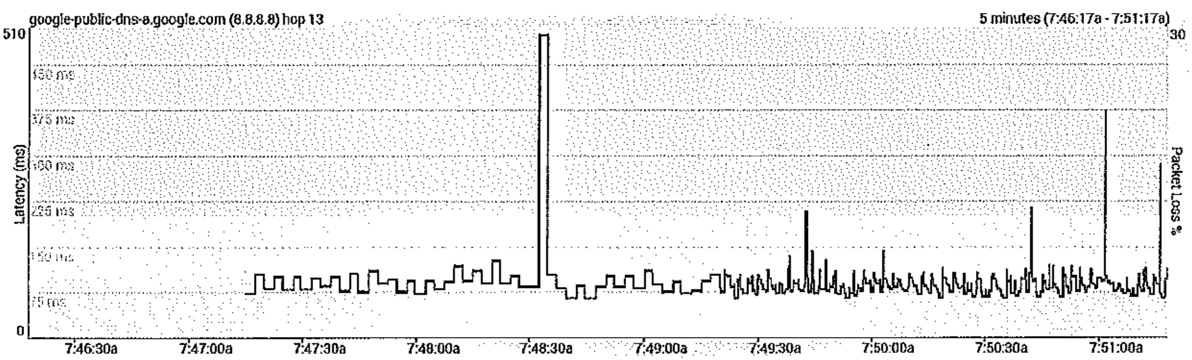


With higher gain omni-directional antennas, like what would be installed, the results were much faster on the download.

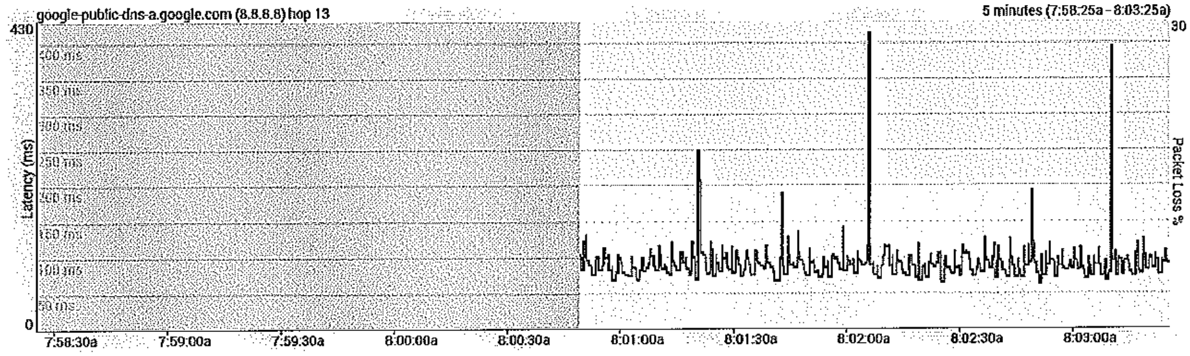


Verizon Quality Test

Excellent response with a few drops, minimal latency with an average around 100 mS, and little jitter.

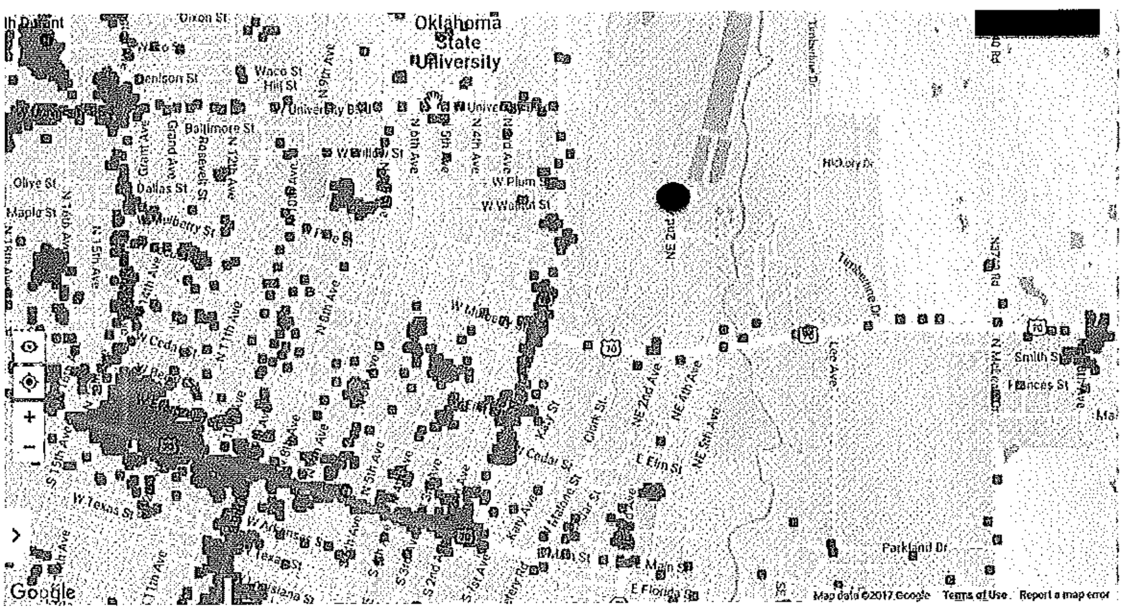


With higher gain omni-directional antennas, like what would be installed, the results are a bit better.



Verizon Data Map

Full digital coverage for the area.



Verizon Modem Diagnostics at Water Treatment Plant

The following images are test results from the Verizon network. Overall network quality is good with standard antennas. The RSSI is in the excellent range, the SINR was good, but fluctuating, and the RSRQ was average.

⊟ Summary	
State	connected
Manufacturer	Cradlepoint Inc.
Model	Internal LPE
Modem Firmware Version	SWI9X15C_05.05.58.01 r27044 carmd-fwbuild1 2015/03/05 00:02:40
Service Display	LTE
Registered Carrier	Verizon Wireless
Home Carrier	Verizon
Roaming Status	Home
Signal Strength	100
RSSI	-72 dBm
SINR	4.2 dB
RSRP	-101 dB
RSRQ	-13 dB
Mobile Directory Number	+14694042276
MEID	A100003A04539B
IMEI	353547062367928
Network Address Identifier (NAI)	4694042276@vzims.com
Current APN	so01.vzwstatic
IP Address	166.141.86.95
Netmask	255.255.255.192
Gateway	166.141.86.96

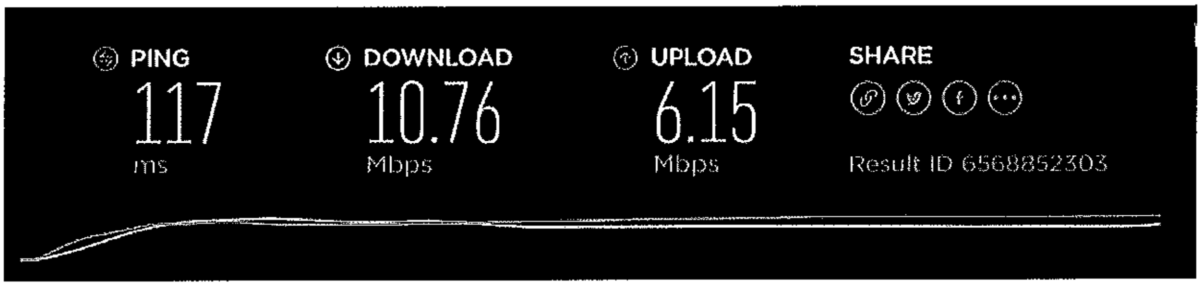
With higher gain omni-directional antennas, like what would be installed, the results were better, except for the SINR which continued to fluctuate.

⊟ Summary	
State	connected
Manufacturer	Cradlepoint Inc.
Model	Internal LPE
Modem Firmware Version	SWI9X15C_05.05.58.01 r27044 carmd-fwbuild1 2015/03/05 00:02:40
Service Display	LTE
Registered Carrier	Verizon Wireless
Home Carrier	Verizon
Roaming Status	Home
Signal Strength	100
RSSI	-57 dBm
SINR	1.6 dB
RSRP	-90 dB
RSRQ	-11 dB
Mobile Directory Number	+14694042276
MEID	A100003A04539B
IMEI	353547062367928
Network Address Identifier (NAI)	4694042276@vzims.com
Current APN	so01.VZWSTATIC
IP Address	166.141.86.95
Netmask	255.255.255.192
Gateway	166.141.86.96
DNS Servers	198.224.156.135 198.224.157.135

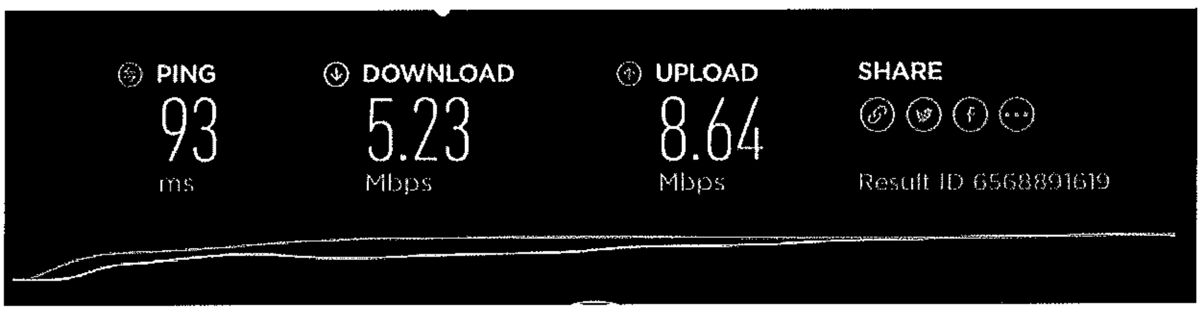
erved. Licenses Privacy Policy |

Verizon Speed Test

With standard antennas we achieved a good download and upload speed.

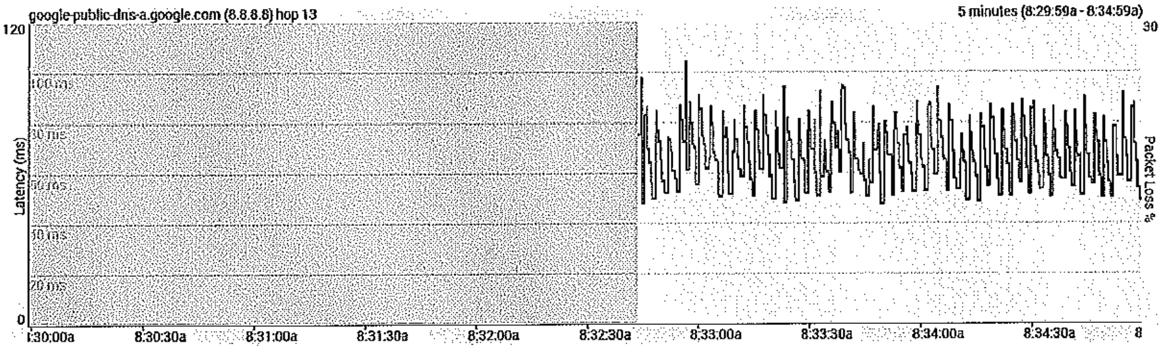


With higher gain omni-directional antennas, like what would be installed, the results were better on response time and upload, but slower on the download.

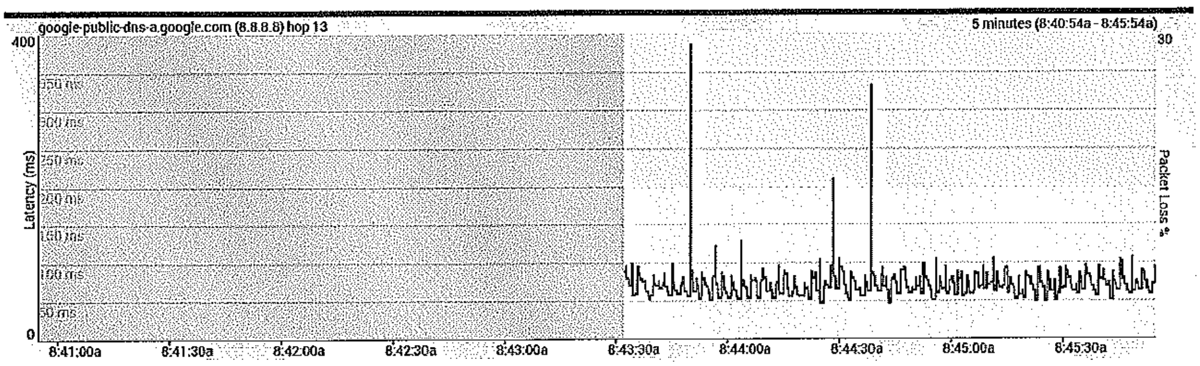


Verizon Quality Test

Excellent response with no drops, minimal latency with an average around 90 ms, and little jitter.

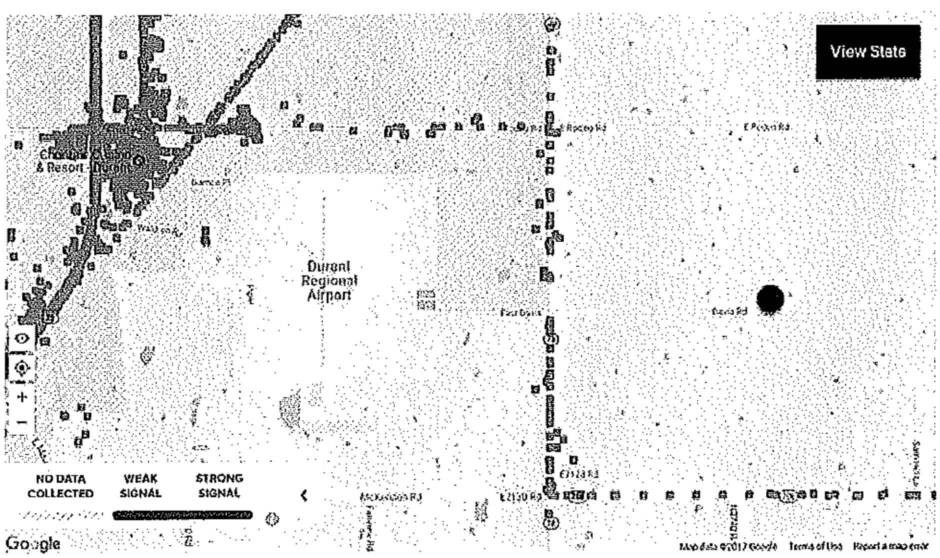


With higher gain omni-directional antennas, like what would be installed, the results about the same.



Verizon Data Map

Full digital coverage for the area.



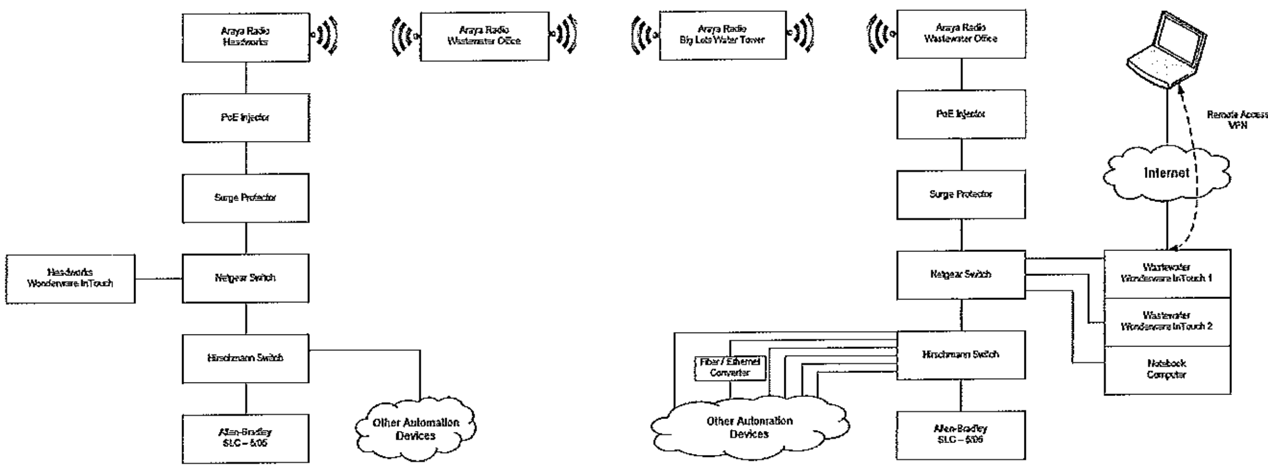
Recommendations and Installation Details

Due to the unreliability of the existing serial radios that connect the two sites, we recommend that it be replaced with a cellular modem on the Verizon network at each site.

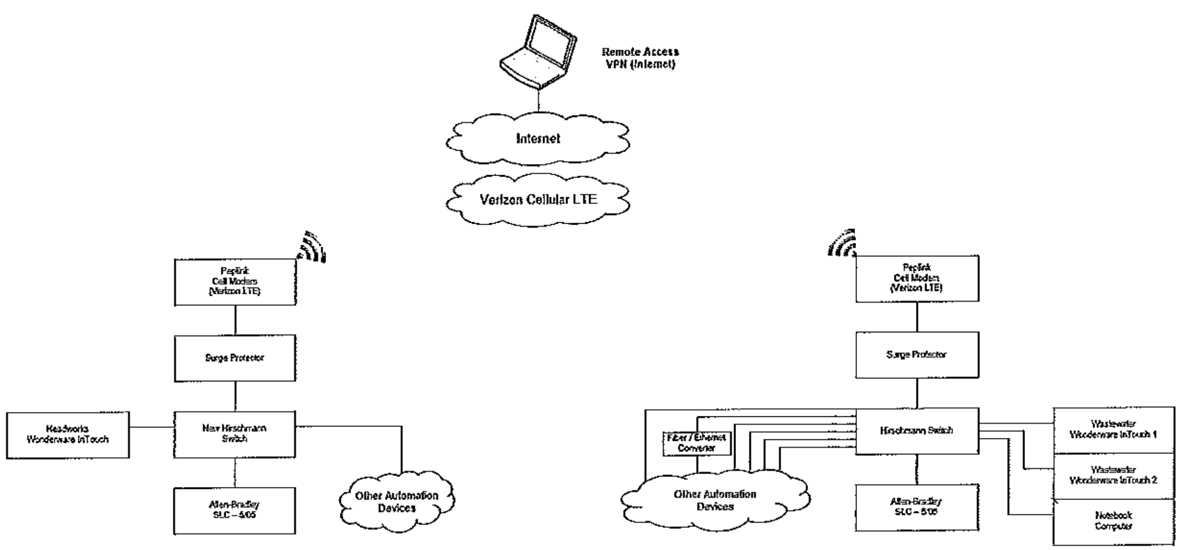
Because both buildings have concrete walls and metal roofs, we recommend installing external omni-directional antennas outside of the building on the roof, and the modems to be mounted in the existing cabinets at each site.

Additionally, the existing network cabling infrastructure has multiple points of failure, commercial/residential rated equipment, not needed switches and port exposure to the network which poses a cyber security risks. INS recommends eliminating two of the switches, re-cabling the Ethernet wiring and upgrading the Hirschmann switches.

Existing Architecture



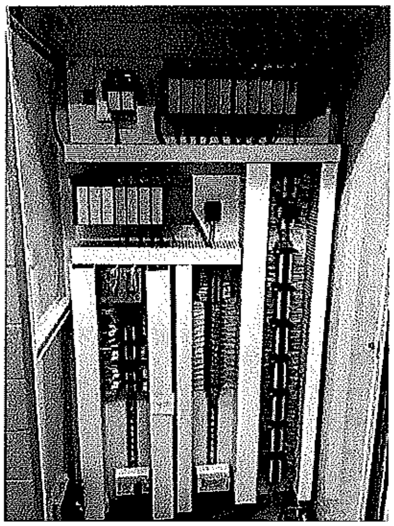
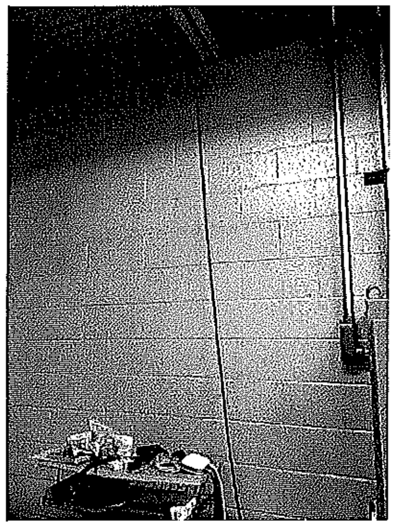
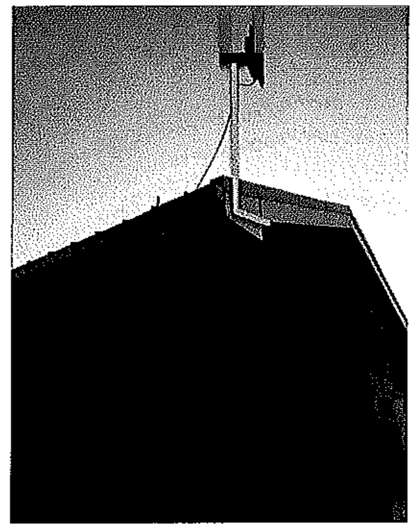
Recommended Architecture:



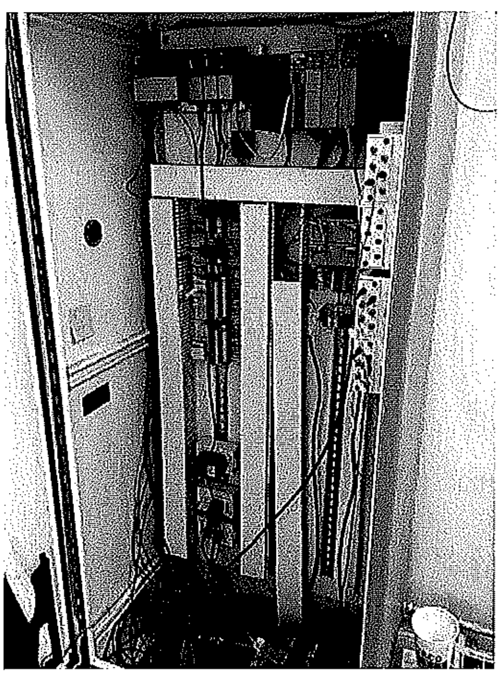
Modem Location and Antennas

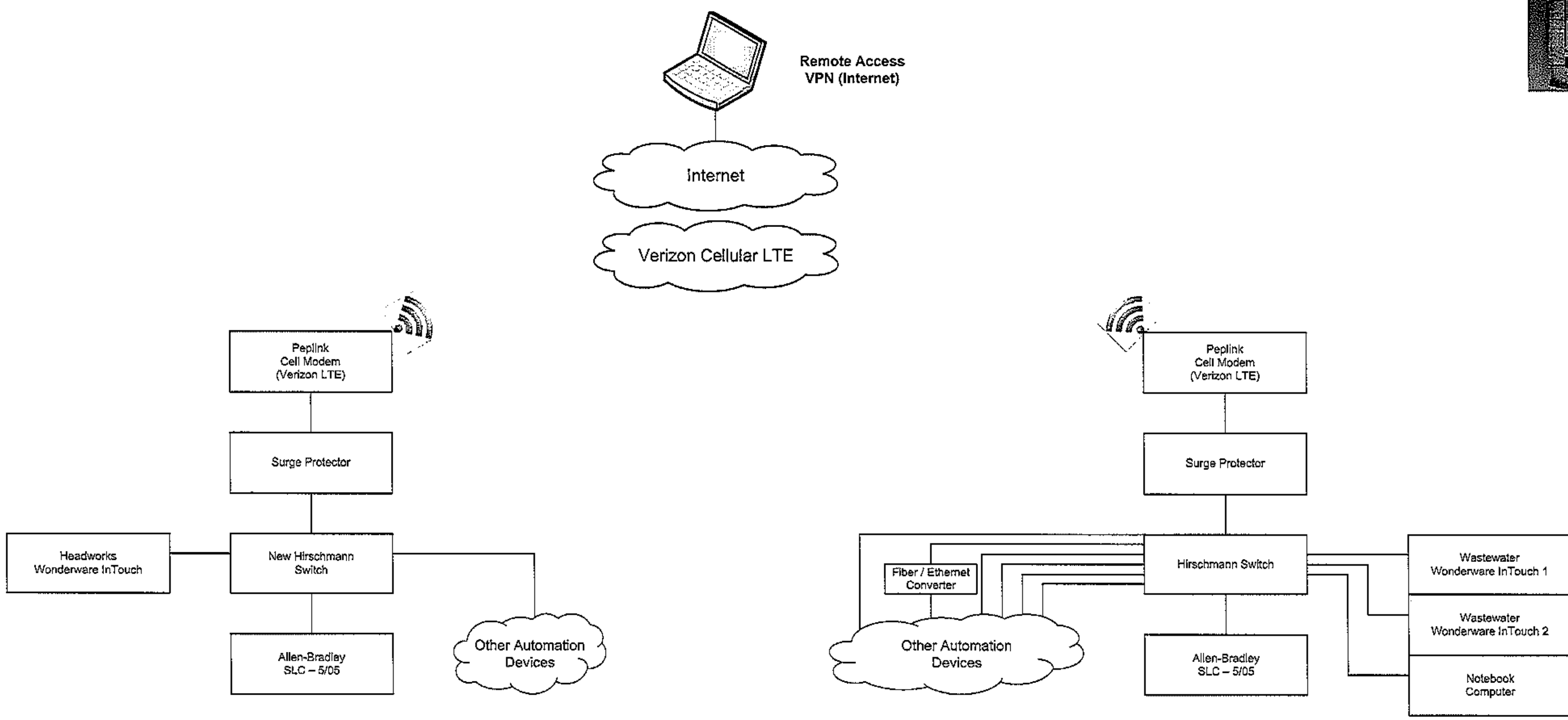
There's room in the cabinets in both of the buildings to mount and power the modems and run the antenna cabling out of the cabinet and through the wall/roof. This eliminates the need for additional enclosures.

At HeadWorks, the modem will fit into the cabinet pictured, and run out of the building like the existing cabling, and the omni-directional antennas mounted on the mast where the current radio antenna is.

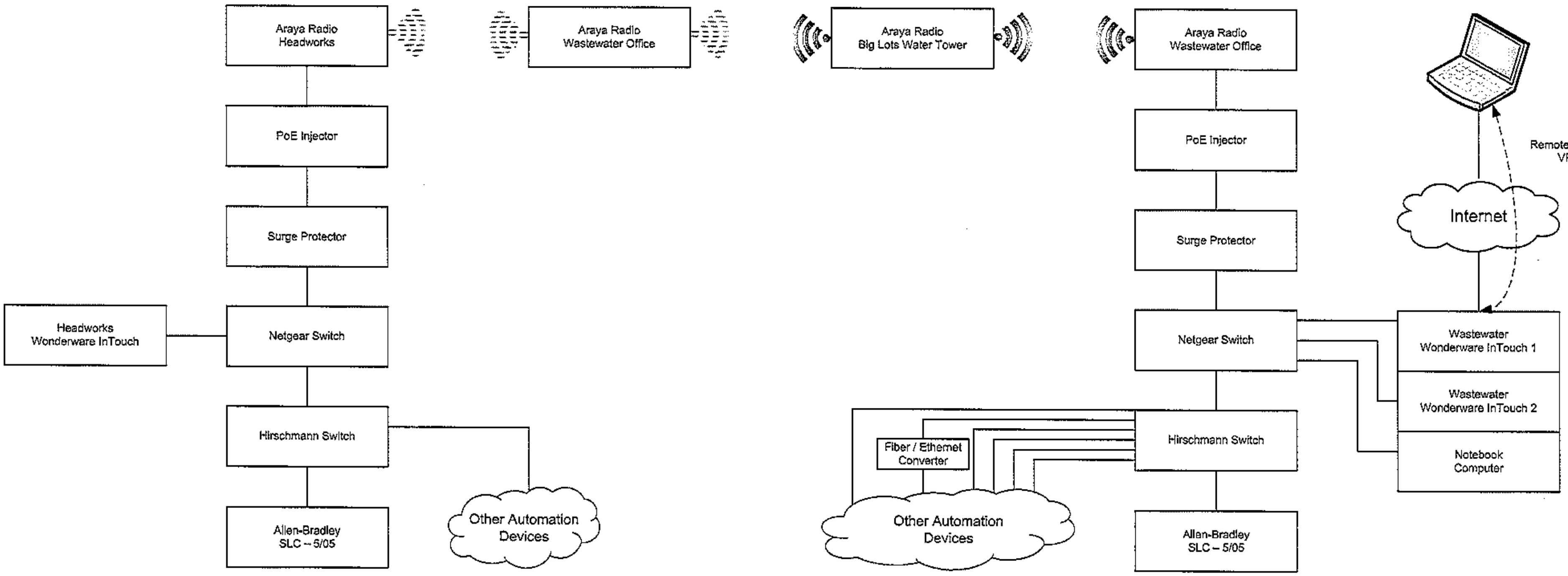
At the Water Treatment Plant, the modem will also fit into the existing cabinet as pictured, run out of the side of the building, and have the omni-directional antennas mounted on the metal mast in the picture below.





Remote Access
VPN (Internet)
Internet
Verizon Cellular LTE
Peplink
Cell Modem
(Verizon LTE)
Surge Protector
Headworks
Wonderware InTouch
New Hirschmann
Switch
Allen-Bradley
SLC – 5/05
Other Automation
Devices
Peplink
Cell Modem
(Verizon LTE)
Surge Protector
Hirschmann Switch
Fiber / Ethernet
Converter
Other Automation
Devices
Allen-Bradley
SLC – 5/05
Wastewater
Wonderware InTouch 1
Wastewater
Wonderware InTouch 2
Notebook
Computer

Cellular SCADA Communications – Existing Architecture

Prepared For:



The Leader in Industrial IT Services

Quote

Date	Quote #
8/25/2017	INS-91240

Industrial Networking Solutions
Address: 4450 Sojourn Dr, Suite 300, Addison, TX 75001
Mailing Address: PO Box 540, Addison, TX 75001
Phone: 972-248-7466 Fax: 972-248-9533
www.industrialnetworking.com

To:	Phone#:
City of Durant : Ken Eppler	
E-mail:	*Fax#:*
keppler@durant.org	

Terms	Ship Via	FOB	Valid Until	Sales Rep
			9/24/2017	Jefferson, Jared
Project Name / Number				Inside Sales Rep
Wastewater Communication Upgrade				Birkett, Catherine

Line	Model / Part#	Qty.	Description	Lead Time	Price/ea.	Amount
1	Engineering Service - WB	8	Engineering Service - Onsite Visit to Verify Existing Network Cabling, IP Schema, Wonderware Application and Project Plan Documentation		200.00	1,600.00
2	170668-000	4	Cradlepoint Multi-Band Omni Directional Antenna, 3.5 dBi 698-960 MHz / 4.5 dBi 1710-2170 MHz / 3.1 dBi 2496-2690), Wall Mount Bracket, U-bolt assembly, N-Type Female Connector. Cabling sold SEPARATELY.		149.99	599.96
3	EZ400-NMH	8	EZ Style N/Male Connector for LMR-400		15.00	120.00
4	LMR400 Bulk	100	LMR400 Cable, Black Jacket, Price $ Per Foot		1.05	105.00
5	LABH2400NN (P8AX09-N-FF)	4	N-Female to N-Female Bulkhead 0-4 GHz Lightning Arrestor		79.00	316.00
6	RG5802NMSM	4	RG58 2 Ft. RF Cable, N-Male/SMA-Male.		38.00	152.00
7	MAX-BR1-LTE-US-T	2	Peplink MAX BR1 Series Industrial-Grade M2M 4G Cellular Router. Automatic WAN and IPsec Failover. 1x Embedded 4G LTE Modem (Verizon, AT&T, Sprint and T-Mobile). 1x Ethernet WAN, 2x Ethernet LAN. 802.11bgn Wi-Fi AP. GPS/Fleet Tracking. E-Mark Motor Vehicle Certification. Includes AC Power Supply and Full Antenna Set.		549.00	1,098.00
8	MDMPROV - VZW LTE	2	Network ready Verizon LTE Modem Provisioning, includes SIM card, modem setup with carrier activation, testing & labeling. INS Provisioning Service includes: Loading Verizon SIM card into hardware Loading wireless network authentication information (provided by the cellular carrier) Documenting network addressing & mobile numbers Testing network connectivity		45.00	90.00
9	PREM-SUP-PL	2	INS Premier Support Service includes: -Priority Help Desk 8-5 M-F (Central) -Device Condition Monitoring -Managed Spares Inventory -Firmware Update Service -inControl2 1 Year		120.00	240.00
10	Engineering Service - JA	1	Engineering Service - Modem Configuration Services (INS Lab)		1,000.00	1,000.00
11	Engineering Service - JA	8	Engineering Service - Cellular Network Startup and Testing Service (Onsite)		200.00	1,600.00

INS

Industrial Networking Solutions
Address: 4450 Sojourn Dr, Suite 300, Addison, TX 75001
Mailing Address: PO Box 540, Addison, TX 75001
Phone: 972-248-7466 Fax: 972-248-9533
www.industrialnetworking.com

Date	Quote #
8/25/2017	INS-91240

Line	Model / Part#	Qty.	Description	Lead Time	Price/ea.	Amount
12	Engineering Services - E&I Services	8	Installation Services - Installation of Cellular Modems, Cabling and Antennas		115.00	920.00
13	Engineering Consumables	1	Miscellaneous Bracket, Mast, Labeling and Wiring Components		100.00	100.00
14	Engineering Service - JA (Travel Time)	4	Estimated Travel Hours		80.00	320.00
15	Engineering Expenses - JA	1	Travel Expenses Incurred - Mileage $101.70 - Per Diem (2 Associates) - $90		191.70	191.70

	Total	$8,452.66

All pricing in US Dollars. Non freight-collect shipping charges will be prepaid and added to invoice. Pre-pay and add freight charges quoted are are only an estimate and subject to change at the time of invoice based on actual carrier charges. Any taxes included on the quotation are an estimate only and are subject to change based on the local and state tax rates applied for the location of the purchase. Customers not located in California, Georgia, Pennsylvania and Texas are responsible for payment of all sales/user taxes that might be applicable in their state.

Returns, if authorized, must occur within 90 days of purchase. A Return Authorization number must be assigned prior to returning materials. A minimum 20% restocking fee will be applied for all returns (subject to inspection). Materials which are damaged or not in original packaging will not be accepted. Cancelled orders are subject to a minimum 20% cancellation fee.

Please review our product support policy at: http://www.industrialnetworking.com/Support-Policy

If Net 30 terms have been selected by the customer as the preferred method of payment, but payment is instead made with a credit card, a 4% processing fee will be applied to the billing.

Quote

Date	Quote #
8/25/2017	INS-91241

Industrial Networking Solutions
Address: 4450 Sojourn Dr, Suite 300, Addison, TX 75001
Mailing Address: PO Box 540, Addison, TX 75001
Phone: 972-248-7466 Fax: 972-248-9533
www.industrialnetworking.com

To:	*Phone#:*
City of Durant : Ken Eppler	
E-mail:	*Fax#:*
keppler@durant.org	

Terms	Ship Via	FOB	Valid Until	Sales Rep
			9/24/2017	**Jefferson, Jared**

Project Name / Number	Inside Sales Rep
Wastewater Communication Upgrade	**Birkett, Catherine**

Line	Model / Part#	Qty.	Description	Lead Time	Price/ea.	Amount
1	Engineering Service - WB	4	Engineering Service - Onsite Visit to For Cabling Verification to Field Devices and IP Range of Automation Devices/Wonderware		200.00	800.00
2	Engineering Service - WB	4	Engineering Service - Switch Configuration Services		200.00	800.00
3	Engineering Service - WB	8	Engineering Service - Onsite Time for Network Cutover to New Network Switches		200.00	1,600.00
4	Engineering Services - E&I Services	8	Installation Services - Installation of Network Equipment and Cable Cleanup Services		115.00	920.00
5	Engineering Service - WB (Travel time)	4	Estimated Travel Hours		80.00	320.00
6	Engineering Expenses - JA	1	Travel Expenses Incurred - Mileage $101.70 - Per Diem (2 Associates) - $90		191.70	191.70
7	943 434-023	1	Hirschmann RS20-1600T1T1SDAE Industrial Ethernet Switch, 16 x 10/100Base-TX, RJ45, 9.6 - 60 VDC Powered, 0 to 60 deg C, Class 1 Div. II Rated, Enhanced Management		1,723.50	1,723.50
8	943 434-033	1	Hirschmann RS30-1602T1T1SDAE Industrial Ethernet Switch 16 x 10/100Base-TX, RJ45 and 2 x 10/100/1000Base-TX Gigabit, RJ45, 9.6 - 60 VDC Powered, 0 to 60 deg C, Class 1 Div. II Rated, Enhanced Management		2,160.00	2,160.00
9	943 865-001	2	Hirschmann M-FAST SFP-MM/LC 100mb Multimode SFP Module (4km @ 62.5um / 5km @ 50um), LC, GL Rated, 0 to 60 deg C		132.30	264.60

Industrial Networking Solutions
Address: 4450 Sojourn Dr, Suite 300, Addison, TX 75001
Mailing Address: PO Box 540, Addison, TX 75001
Phone: 972-248-7466 Fax: 972-248-9533
www.industrialnetworking.com

Date	Quote #
8/25/2017	INS-91241

Line	Model / Part#	Qty.	Description	Lead Time	Price/ea.	Amount

	Total	$8,779.80

All pricing in US Dollars. Non freight-collect shipping charges will be prepaid and added to invoice. Pre-pay and add freight charges quoted are are only an estimate and subject to change at the time of invoice based on actual carrier charges. Any taxes included on the quotation are an estimate only and are subject to change based on the local and state tax rates applied for the location of the purchase. Customers not located in California, Georgia, Pennsylvania and Texas are responsible for payment of all sales/user taxes that might be applicable in their state.

Returns, if authorized, must occur within 90 days of purchase. A Return Authorization number must be assigned prior to returning materials. A minimum 20% restocking fee will be applied for all returns (subject to inspection). Materials which are damaged or not in original packaging will not be accepted. Cancelled orders are subject to a minimum 20% cancellation fee.

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If Net 30 terms have been selected by the customer as the preferred method of payment, but payment is instead made with a credit card, a 4% processing fee will be applied to the billing.

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Mailing Address: PO Box 540, Addison, TX 75001
Phone: 972-248-7466 Fax: 972-248-9533
www.industrialnetworking.com

Date	Quote #
7/6/2017	INS-89251

To:	Phone#:
City of Durant : Ken Eppler	

E-mail:	Fax#:
keppler@durant.org	

Terms	Ship Via	FOB	Valid Until	Sales Rep
			8/5/2017	**Humphries, Chad**

Project Name / Number	Inside Sales Rep
Evaluate RTU Upgrade to Cellular	**Birkett, Catherine**

Line	Model / Part#	Qty.	Description	Lead Time	Price/ea.	Amount
1	Engineering Service - WB	4	Engineering Service - Onsite Evaluation of Legacy Network Upgrade to Cellular		225.00	900.00
2	Engineering Service - WB (Travel time)	4	Estimated Travel Hours		80.00	320.00
3	Engineering Service - WB	4	Engineering Service - Documentation of Requirement and Detailed BOM/Quote		175.00	700.00
4	Engineering Expenses - WB	1	Travel Expenses Incurred - Mileage - $93 - Per Diem - $25		118.00	118.00

	Total	$2,038.00

All pricing in US Dollars. Non freight-collect shipping charges will be prepaid and added to invoice. Pre-pay and add freight charges quoted are are only an estimate and subject to change at the time of invoice based on actual carrier charges. Any taxes included on the quotation are an estimate only and are subject to change based on the local and state tax rates applied for the location of the purchase. Customers not located in California, Georgia, Pennsylvania and Texas are responsible for payment of all sales/user taxes that might be applicable in their state.

Returns, if authorized, must occur within 90 days of purchase. A Return Authorization number must be assigned prior to returning materials. A minimum 20% restocking fee will be applied for all returns (subject to inspection). Materials which are damaged or not in original packaging will not be accepted. Cancelled orders are subject to a minimum 20% cancellation fee.

Please review our product support policy at: http://www.industrialnetworking.com/Support-Policy

If Net 30 terms have been selected by the customer as the preferred method of payment, but payment is instead made with a credit card, a 4% processing fee will be applied to the billing.

028-553-7087

Durant.org
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Emily Brittingham <ebrittingham@durant.org>

Fwd: RTU Upgrade to Cellular Evaluation

1 message

Terry Condor <tcondor@durant.org> Tue, Jul 11, 2017 at 10:05 AM
To: Emily Brittingham <ebrittingham@durant.org>

Emily will you please make sure JJ gets this. 4050285537087 is the gl.
---------- Forwarded message ----------
From: **Jacque Wilson** <jwilson@durant.org>
Date: Thu, Jul 6, 2017 at 1:32 PM
Subject: Re: RTU Upgrade to Cellular Evaluation
To: Ken Eppler <keppler@durant.org>
Cc: Terry Condor <tcondor@durant.org>, Marie Goolsby <marieg@durant.org>

Thank you!

On Thu, Jul 6, 2017 at 12:08 PM, Ken Eppler <keppler@durant.org> wrote:

> I contacted Joel Albert at INS. They have done a lot of work for us. He says they will need to do some initial engineering to just be able to give us a quote for the two Cradlepoint modems. They have to look at our existing system and see how everything interfaces and what equipment they will need to provide in the quote. I have attached the quote for this site visit and engineering survey of our system.
>
> Kenneth
> ---------- Forwarded message ----------
> From: **Joel Albert** <jalbert@industrialnetworking.com>
> Date: Thu, Jul 6, 2017 at 11:52 AM
> Subject: RTU Upgrade to Cellular Evaluation
> To: "keppler@durant.org" <keppler@durant.org>
> Cc: Catherine Birkett <cbirkett@industrialnetworking.com>, Jared Jefferson <jjefferson@industrialnetworking.com>, Dave Brewington <dbrewington@industrialnetworking.com>
>
> Hi Ken,
>
> Attached is our quote for the onsite service.
>
> Thanks,
>
> **Joel Albert**
>
> **INS** - Industrial & Enterprise IoT Solutions
>
> Phone: 972-248-7466 | Cell: 972-310-3709
>
> INS Browse our selection of Industrial IT Services
>
> www.industrialnetworking.com

--
Kenneth Eppler, B.S, M.B.A, GROL, CEMP
Deputy Director, Durant/Bryan County Emergency Management
580-924-3661
580-924-8360 (FAX)

--
Jacque J. Wilson
Public Works Director
1201 NE 2nd Ave
Durant, OK 74701

--
Terry Condor
City of Durant
WWTP Superintendent

Agenda Item: 4.a.

The City of Durant

Solid Waste Landfill

Memorandum

Date: 8/28/2017
To: Utilities Authority
From: Zefe Laborico, Supervisor, Solid Waste Landfill
Re: Landfill Information & Reports - August 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
August 2017 Project Schedule	Cover Memo	9/1/2017
August 2017 DEQ Report	Cover Memo	9/1/2017

DURANT
· OKLAHOMA ·

THE CITY OF DURANT
Office of the Solid Waste Superintendent

SOLID WASTE DISPOSAL PROJECTS SCHEDULE
August 2017

A. Work Completed for July:

1. Covered C & D Site
2. Hauled MSW To SORD
3. Worked on Multi-use building
4. picked up rolloff's 387 & delivered 10
5. repaired & painted rolloff's

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 working on multi-use building
5. Continue Picking up, Delivering, Repairing & Painting Rolloffs

C.	**Work Planned For Jan. '17 – Dec. '17:**	**Approx. Start – Finish Date:**
	1. Haul trash to Ardmore	1-2017 thru 12-2017

D. Projects Planned And Requested For Authorization:

1. None.

1620 Blanchard Rd. • Durant, Oklahoma 74701 • (580) 920-2579 • Fax (580) 924-8344
www.durant.org

O K L A H O M A
DEPARTMENT OF ENVIRONMENTAL QUALITY

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: AUGUST 2017

Facility Name: CITY OF DURANT C/D LANDFILL

Mailing Address: PO BOX 578
DURANT, OK 74702-0578

Permit Number: 3507001

Phone Number: 580-931-6606

Total # of Days open: 27

COMPLETE SECTIONS 5-10 ONLY IF SCALES GO DOWN

DAY	(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	33.44									
2	9.26									
3	24.99									
4	36.76									
5	27.75									
6	0									
7	2.2									
8	11.15									
9	17.88									
10	22.28									
11	9.26									
12	16.3									
13	0									
14	7.13									
15	17.61									
16	33.21									
17	3.5									
18	48.89									
19	10.74									
20	0									
21	26.22									
22	28.36									
23	14.52									
24	47.94									
25	29.11									
26	37.05									
27	0									
28	38.62									
29	34.99									
30	32.01									
31	30.69									
Total	651.86	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: ______________

Agenda Item: 4.b.

The City of Durant

Office of the Solid Waste Department

Memorandum

Date: 9/12/2017
To: Utilities Authority
From:
Re: Solid Waste Collection Report - August 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
August Monthly Report	Cover Memo	9/1/2017

THE CITY OF DURANT
Office of the Solid Waste Superintendent

DURANT
· OKLAHOMA ·

SOLID WASTE PROJECTS SCHEDULE
August 2017

A. Work Completed:

1. Hauled 84.83 tons of extra hauling
2. Hauled 134 loads of extra hauling
3. Picked up and delivered 20 sharps
4. Helped with 0 abatement
5. Cleaned Sunny Side rd.2 times
6. Refurbished 12 dumpsters
7.
8.

B. Work Planned For September

1. Refurbish. dumpsters
2.

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

1. Pick up trash

D. Projects Planned And Requested For Authorization:

1. None.

Agenda Item: 4.c.

DURANT
· OKLAHOMA ·

The City of Durant

Office of City Treasurer

Memorandum

Date: 8/16/2017
To: Utilities Authority
From: An-Chen Lai, City Treasurer
Re: Utility Office Monthly Summary Report - July 2017

Utility Office Monthly Summary Report for July 2017

Council Information / Action Requested

Information Only

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

ATTACHMENTS:

Description	Type	Upload Date
Utility Office Monthly Summary Report July 2017	Cover Memo	8/16/2017

Monthly Utility Billing,

Cash Collection,

And Consumption Summary

JULY 2017

	WATER		SANITARY SEWER		SANITATION	
	Month	YTD	Month	YTD	Month	YTD
Number of Bills - Active Accounts	5999		5909		6224	
Total Revenue Billed	$367,012.62	$367,012.62	$236,698.96	$236,698.96	$367,734.07	$367,734.07
Adjustments in Dollar	($1,041.64)	($1,041.64)	($362.31)	($362.31)	$762.96	$762.96
TOTAL CASH RECEIPTS	$200,953.56	$200,953.56	$182,164.94	$182,164.94	$272,220.86	$272,220.86

CONSUMPTION IN GALLONS	99,217,000

NEW SERVICE APPLICATIONS	83
NUMBER OF WALK IN/PHONE APYMENTS	2,603
MAIL PAYMENTS	1,563
CREDIT CARD PAYMENTS	1,234
WEB PAYMENTS	829
DROP BOX PAYMENTS	495
BANK DRAFT PAYMENTS	712
CREDIT CARD DRAFT PAYMENTS	170
OTHERS	872

Agenda Item: 4.d.

The City of Durant

Office of the Wastewater Treatment Plant

Memorandum

Date: 9/1/2017

To: Utilities Authority

From: Terry Condor/Jason Ervin

Re: Waste Water Treatment Plant Monthly Report - August 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
WWTP Schedule for September 2017	Cover Memo	9/1/2017
August 2017 MOR	Cover Memo	9/1/2017
August 2017 Flow Report	Cover Memo	9/1/2017

The City of Durant

Office of the Wastewater Treatment Plant

DURANT
· OKLAHOMA ·

PROJECTS SCHEDULE

A: WORK COMPLETED IN AUGUST 2017

1: MONITORING OF SBR SE VALVES TO DETERMINE FURTHER FAILURES (on going)
2: CLEAN CLARIFIER WEIRS 8/30/17
3: CLEAN BLEND TANK MIXER 8/28/17
4: CLEAN EFFLUENT PUMP STATION
5: CLEAN RAW WATER PUMP STATION 8/17/17
6: CLEAN SCUM PUMP STATION (not needed)
7: CLEAN DRAIN LIFT STATION 8/24/17
8: CK TORQUE & OVERLOAD & GREASE CHAIN ON CLARIFIER 8/7/17
9: CALIBRATE DISCHARGE DO & PH METER 8/10/17
10: CHECK CALIBRATION OF DISCHARGE FLOW METER 8/8/17
11: RESET SBR PLC (NOT NEEDED)
12: WASH DOWN STEP SCREEN 8/18/17
13: CLEAN UV TROUGHS AND FLUME 8/17/17
14: CHECK ELECTRIC MANHOLES 8/8/17
15: CLEAN OUT BUILDINGS 8/22/17-8/30-17
16: MANUALLY CHECK U.V. BULBS 8-31-17
17: WASH DOWN CASINO STEPSCREEN 8/7/17
18: CHECK ALL AUTOMATIC VALVES (OK)
19: VEHICLE INSPECTION 8/24/17
20: WALK-THRU INSPECTION 8/9/17
21: CLEAN ALL PLC's (NOT NEEDED)
22: CLEAN D.O. METERS (OK)
23: CHECK CLARIFIER OIL WEEKLY 8/8/17
24: REPAIR COMMUNICATIONS
25: RECEIVING BIDS TO OVERHAUL HEADWORKS
26: RECEIVING BIDS TO REPLACE D.O. ANALYZERS

6 HOURS OF CALL BACK TIME
TREATED 83.896 MG OF WASTEWATER
PROCESSED 1.495 MG OF TREATED SLUDGE

B: WORK PLANNED FOR SEPTEMBER 2017

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

THE CITY OF DURANT

Office of the Wastewater Treatment Plant
Lab Report

Tests Processed

8/1/17 - 8/31/17

91 Bac-t's
105 BOD's
25 TSS's
15 NH3's
0 DO's
3 Ph's
60 Fecal Coliforms (May 1st – Sept. 30th)
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, paid dues, updated SWP3
- Pretreatment-Finalized CMC discharge permit effective 9/1/17

CITY OF DURANT WASTEWATER TREATMENT PLANT MONTHLY OPERATION REPORT

MONTH OF **August 2017**

		WEATHER		FLOW		PUMPS		INFLUENT DATA					SLUDGE		SBR DATA				DMR						Effluent	
DAY	DATE	RAINFALL (in.)	Lo AIR TEMP	INFLUENT (MGD)	EFFLUENT (MGD)	RAW PUMP ONLINE	EFFLUENT PUMP ONLINE	pH	SETTLEABLE 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 #cfu/100ml	Bis(2-Ethylhexyl)phthalate UG/L	Visible Foam or Floating Solids in Discharge/ Comments:
T	8/1/17	.10	73	2.5	2.4	1	4	7.2	20				20106	55643	600	520	600	550	7.0	7.3						NO
W	8/2/17		72	2.4	2.3	1	4	7.2	20	125	144	128	21396	56255	580	450	580	500	7.1	7.2	4.4	0.5	3.2			NO
T	8/3/17		68	2.5	2.2	1	4	7.2	20				20824	55846					7.1	7.2				16		NO
F	8/4/17		72	2.3	2.2	1	4	7.1	20				19693	58189					7.0	7.3				7		NO
S	8/5/17			2.2	2.0	1	4						20674						7.0	7.2						
S	8/6/17	3.5		3.4	2.9	1	4						20919						6.6	7.1						
M	8/7/17		75	3.3	3.4	1	4	7.2	10				20489	59146	380	300	450	400	7.2	6.7						NO
T	8/8/17		73	3.1	2.9	1	4	7.2	20				21964	59827	510	310	450	500	7.0	6.7						NO
W	8/9/17		71	2.6	2.5	1	4	7.0	10	89.4	92.7	88	21075	56206	500	400	500	500	7.0	6.8	3.3	0.5	2.0	1		NO
T	8/10/17		73	2.6	2.3	1	4	7.0	5				22155	58758					7.1	7.2				11		NO
F	8/11/17		75	2.5	2.2	1	4	7.1	5				19701	55184					7.1	7.2						NO
S	8/12/17	2.3		3.3	2.8	1	4						21142						8.0	6.6						
S	8/13/17	.75		2.5	2.8	1	4						21311						8.0	6.7						
M	8/14/17		77	3.5	3.1	1	4	7.1	10				20963	55358	380	350	450	400	8.0	6.7						NO
T	8/15/17		75	3.0	2.8	1	4	7.0	20				20933	55499	400	380	350	450	8.2	6.6				1		NO
W	8/16/17		78	2.9	2.4	1	4	7.1	20	68.9	90.1	40	21619	55189	600	450	450	400	8.0	6.7	2.5	1.1	2.0	30		NO
T	8/17/17	1.51	73	3.3	3.3	1	4	7.1	20				23370	55249					9.0	6.7						NO
F	8/18/17		77	3.0	2.8	1	4	7.1	20				19762	55543					9.0	6.7						NO
S	8/19/17			2.7	2.5	1	4						20586						9.0	7.0						
S	8/20/17			2.6	2.3	1	4						20542						8.5	7.0						
M	8/21/17	.85	77	3.1	2.7	1	4	7.1	20				20791	55392	600	400	500	450	8.9	6.7						NO
T	8/22/17		77	2.8	2.5	1	4	7.1	20				21977	54845	500	400	500	500	8.5	6.7						NO
W	8/23/17		76	3.3	3.2	1	4	7.2	10	60.2	79.8	144	20897	58306	600	500	550	600	8.5	6.7	3.2	0.2	2.0	21		NO
T	8/24/17		78	3.0	2.7	1	4	7.1	5				21709	59910					8.0	6.7				25		NO
F	8/25/17		73	2.7	2.5	1	4						20751	58074					8.0	6.7						NO
S	8/26/17			2.5	2.4	1	4						20475						6.5	8.4						
S	8/27/17			2.4	2.2	1	4						20298						6.5	8.4						
M	8/28/17		79	2.4	2.2	1	4	7.3	5				19510	56592	450	400	500	500	6.5	8.4						NO
T	8/29/17		68	2.5	2.2	1	4	7.9	4				22339	56217	600	500	450	500	6.6	7.6						NO
W	8/30/17		76	2.6	2.4	1	4	7.6	120				22634	56290	550	500	500	450	6.5	8.5						NO
T	8/31/17		68	2.5	2.3	1	4	7.3	5				20956	56453					6.7	8.3						NO

m

Process Water and Sludge Flow Report

August 2017

Date	Influent Flow (MG)	Drain Lift Station Flow (MG)	Casino Lift Station Flow (MG)	Combined Infl (MG)	Effluent Flow (MG)	GBT #1 Flow (KG)	GBT #2 Flow (KG)	Sludge Flow Digester #1 (KG)	Sludge Flow Digester #2 (KG)
8/1/2017	2.206	0.074	0.265	2.545	2.352	55.643	0.000	10.241	9.865
8/2/2017	2.069	0.077	0.248	2.394	2.277	56.255	0.000	10.835	10.561
8/3/2017	2.115	0.081	0.291	2.487	2.151	55.846	0.000	10.516	10.308
8/4/2017	1.952	0.064	0.334	2.349	2.163	58.189	0.000	10.030	9.663
8/5/2017	1.811	0.026	0.345	2.181	1.977	0.000	0.000	10.357	10.317
8/6/2017	2.958	0.041	0.418	3.416	2.910	0.000	0.000	10.721	10.198
8/7/2017	2.930	0.074	0.340	3.344	3.398	59.146	0.000	10.163	10.321
8/8/2017	2.698	0.084	0.336	3.119	2.854	59.827	0.000	11.157	10.807
8/9/2017	2.311	0.063	0.268	2.643	2.521	56.206	0.000	10.720	10.355
8/10/2017	2.200	0.074	0.296	2.570	2.279	58.758	0.000	11.211	10.944
8/11/2017	2.070	0.068	0.341	2.480	2.211	55.184	0.000	10.103	9.598
8/12/2017	2.830	0.046	0.418	3.294	2.751	0.000	0.000	10.833	10.309
8/13/2017	2.091	0.030	0.413	2.535	2.816	0.000	0.000	10.958	10.353
8/14/2017	3.144	0.069	0.309	3.521	3.122	55.358	0.000	10.696	10.267
8/15/2017	2.666	0.069	0.270	3.005	2.811	55.499	0.000	10.677	10.256
8/16/2017	2.552	0.085	0.292	2.928	2.384	55.189	0.000	10.879	10.740
8/17/2017	2.879	0.083	0.312	3.274	3.255	55.249	0.000	11.955	11.415
8/18/2017	2.679	0.081	0.318	3.078	2.796	55.543	0.000	9.978	9.784
8/19/2017	2.287	0.027	0.337	2.651	2.469	0.000	0.000	10.459	10.127
8/20/2017	2.287	0.027	0.337	2.651	2.469	0.000	0.000	10.459	10.127
8/21/2017	2.761	0.075	0.245	3.081	2.697	55.392	0.000	10.440	10.351
8/22/2017	2.473	0.073	0.271	2.817	2.484	56.845	0.000	11.032	10.945
8/23/2017	2.945	0.072	0.267	3.284	3.163	58.306	0.000	10.569	10.328
8/24/2017	2.683	0.074	0.267	3.024	2.712	59.910	0.000	10.755	10.954
8/25/2017	2.326	0.073	0.297	2.696	2.537	58.074	0.000	10.385	10.366
8/26/2017	2.148	0.030	0.363	2.541	2.359	0.000	0.000	10.150	10.325
8/27/2017	2.119	0.025	0.287	2.431	2.248	0.000	0.000	10.051	10.237
8/28/2017	2.152	0.072	0.226	2.449	2.199	56.591	0.000	9.750	9.760
8/29/2017	2.220	0.068	0.222	2.510	2.233	56.217	0.000	10.823	11.516
8/30/2017	2.313	0.078	0.206	2.597	2.390	56.290	0.000	11.201	11.433

Sum	72.875	1.882	9.139	83.896	76.990	1249.518	0.000	318.105	312.530
Avg	2.429	0.063	0.305	2.797	2.566	41.651	0.000	10.603	10.418
Min	1.811	0.025	0.206	2.181	1.977	0.000	0.000	9.750	9.598
Max	3.144	0.085	0.418	3.521	3.398	59.910	0.000	11.955	11.516

Agenda Item: 4.e.

The City of Durant

Office of the Water Treatment Plant

Memorandum

Date: 9/1/2017

To: Utilities Authority

From: Phillip Hightower

Re: Water Treatment Plant Monthly Operation Reports - August 2017

Council Information / Action Requested

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

ATTACHMENTS:

Description	Type	Upload Date
August CLO2 and Chlorite Report	Cover Memo	9/1/2017
August Monthly Operation Report	Cover Memo	9/1/2017
August Monthly Operation Report	Cover Memo	9/1/2017
August Maintenance Report	Cover Memo	9/1/2017

CHLORINE DIOXIDE AND CHLORITE MONITORING AND REPORTING FORM

1. Public Water System (PWS) Information:

PWSID: OK 1010601 PWS Name: City of Durant

2. Compliance Information:

Water System Facility ID: 1010601 Plant Name: Durant Water Plant

Month: August Year: 2017

3. Analytical Results & Summary Information:

Entry Point Monitoring

Day	ClO_2 (mg/L)	Chlorite (mg/L)
1	0.15	0.71
2	0.14	0.71
3	0.15	0.76
4	0.1	0.42
5	0.11	0.47
6	0.14	0.85
7	0.22	0.57
8	0.09	0.71
9	0.13	0.85
10	0.11	0.61
11	0.14	0.8
12	0.15	0.52
13	0.24	0.76
14	0.13	0.38
15	0.16	0
16	0.18	0
17	0.18	0.57
18	0.13	0.47
19	0.17	0.66
20	0.2	0.61
21	0.16	0.47
22	0.19	0.42
23	0.14	0.47
24	0.13	0.85
25	0.14	0.47
26	0.12	0.52
27	0.14	0.52
28	0.13	0.28
29	0.14	0.52
30	0.07	0.47
31	0.12	0.47

Chlorine Dioxide Daily Monitoring (Summary Type: CLO2)

Number of Samples Required:		
Number of Samples Collected:		31
Was All Chlorine Dioxide Monitoring & Reporting Completed?	Yes / No	Yes / No
Number of ClO_2 samples exceeded the MRDL of 0.8 mg/L?		0

If a routine sample exceeds the MRDL, the system is required to take (3) three more samples the next day.

Chlorite Daily Monitoring (Summary Type: CLO2⁻)

Number of Samples Required:		
Number of Samples Collected:		31
Was All Chlorite Monitoring & Reporting Completed?	Yes / No	Yes / No
Number of Chlorite samples exceeded the MCL of 1.0 mg/L?		

If a routine sample exceeds the MCL, the system is required to take (3) three more samples the next day.

*** 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.**

Routine Chlorite Monthly Monitoring in Distribution System

Sampling Location	Lab Sample ID	Sampling Point ID	Collection Date	Certified Lab ID	Chlorite (mg/L)
Near 1st Customer					
Avg. Residence Time					
Max. Residence Time					
				Monitoring Period Average:	

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.

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

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS

Mail <u>original</u> before the 10th of the following month
to the Department of Environmental Quality, Water Quality Division
P. O. Box 1677, Oklahoma City, OK 73101-1677

Plant: Durant Water Treatement F
PWSID: 1010601
Month: August 2017
Population: 19,491

Durant City Utilities Authority	PO Box 578	Durant OK	74702
System	*Address*	*City*	*ZIP*

DAY	WATER TREATED	FILTER OPERATION FILTERS USED-HOURS 1	2	3	4	5	6	7	8	WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS. ALUM	LIME	POLYMER Name:	NAOH	CARBON	OTHER Name: NH2SIF6	OTHER Name: copper sulf	CHLORINE PRE	CHLORINE POST	ALKALINITY "P" RAW	"P" FILT	TOTAL AM RAW	TOTAL AM FILT	CLO2 Residual RAW	CLO2 Residual FILT	TOTAL PM RAW	TOTAL PM FILT	pH RAW	pH FILT AM	pH FILT PM	CaCO3 STABILITY Method:	HARDNESS (ppm) AM RAW	HARDNESS FILT	Chlorite residual	Chlorite lbs/day	REMARKS
1	5,580	24	23	23	24	24	24	24	24	70	2300	0	0	0	0	0	0	100	120			242	230		0.15	248	234	8.1	7.4	7.3	232	272	262	0.71	300	
2	5,272	23	24	24	23	24	24	24	24	70	2200	0	0	0	0	0	0	100	100			260	240		0.14	262	244	8.1	7.3	7.3	242	262	262	0.71	300	
3	5,234	24	24	24	24	24	24	23	23	80	2100	0	0	0	0	0	0	100	80			266	236		0.15	250	244	8.1	7.4	7.5	240	260	236	0.76	300	
4	5,173	24	24	24	24	23	23	24	24	80	2000	0	0	0	0	0	0	100	100			252	230		0.1	252	228	8	7.3	7.3	238	256	254	0.42	300	
5	5,310	24	23	23	24	24	24	24	24	70	2100	0	0	0	0	0	0	100	110			248	234		0.11	252	230	8	7.2	7.2	220	284	272	0.47	320	
6	5,095	23	24	24	23	24	24	24	24	70	3700	0	0	0	0	0	0	260	140			260	226		0.14	250	236	8.1	7.4	7.4	230	254	252	0.85	320	
7	4,772	24	24	24	24	23	23	23	23	140	2700	0	0	1375	0	0	0	180	100			124	208		0.22	130	200	7.4	7.3	7.4	230	136	236	0.57	320	switched to lake
8	4,800	24	24	24	24	24	24	24	24		2300	0	0	1100	0	0	0	180	120			124	136		0.09	126	126	7.5	7.7	7.9	204	116	150	0.71	320	
9	4,854	24	23	23	24	24	24	24	24	90	2800	0	0	1513	0	0	0	180	120			122	116		0.13	126	110	7.7	7.8	7.8	136	128	130	0.85	320	
10	5,223	23	24	24	23	24	24	24	24	80	2800	0	50	1238	0	0	0	180	100			118	106		0.11	116	100	7.5	7.5	7.6	114	122	132	0.61	320	
11	5,328	24	24	24	24	23	23	24	24	60	3200	0	50	1375	0	0	0	180	120			122	106		0.14	124	102	7.4	7.5	7.7	108	140	120	0.8	320	
12	5,132	24	24	24	24	24	24	23	23	80	2800	0	50	1238	0	0	0	180	120			112	110		0.15	116	112	7.6	7.6	7.6	106	140	128	0.52	320	
13	4,409	23	23	23	23	24	24	24	24	150	2500	0	50	1238	0	0	0	230	140			120	108		0.24	122	104	7.5	7.6	7.3	114	126	124	0.76	310	
14	4,368	24	24	24	24	23	23	24	24	80	2500	0	50	1375	0	0	0	200	120			112	104		0.13	110	106	7.4	7.4	7.4	106	110	108	0.38	310	
15	4,374	23	23	23	23	24	24	23	23	250	2400	0	50	1375	0	0	0	220	120			120	104		0.16	124	106	7.4	7.6	7.6	106	118	118	0	310	
16	4,408	24	24	24	24	24	24	24	24		2500	0	50	1238	0	0	0	240	120			110	112		0.18	118	110	7.5	7.7	7.7	104	120	116	0	320	
17	4,456	24	24	24	24	23	23	24	24	70	2500	0	50	1512	0	0	0	240	100			106	108		0.18	108	104	7.5	7.6	7.3	108	108	122	0.57	320	
18	4,354	24	24	24	24	24	24	23	23	80	2500	0	50	1100	0	0	0	200	100			116	102		0.13	110	100	7.5	7.5	7.6	108	116	108	0.47	320	
19	4,229	24	23	23	24	24	24	24	24	80	2400	0	50	1513	0	0	0	200	120			110	104		0.17	112	102	7.2	7.4	7.4	102	120	116	0.66	320	
20	4,330	23	24	24	23	24	24	24	24	80	2600	0	50	413	0	0	0	320	120			116	112		0.2	120	114	7.3	7.5	7.3	100	112	98	0.61	340	
21	4,778	24	24	24	24	23	23	24	24	75	2800	0	50	1513	0	0	0	240	120			116	84		0.16	112	94	6.8	6.4	7.5	108	128	116	0.47	340	
22	4,710	24	24	24	24	24	24	24	24		2500	0	50	1375	0	0	0	240	120			114	100		0.19	116	100	7.4	7.4	7.8	114	112	108	0.42	340	
23	4,791	24	23	23	24	24	24	23	23	150	2700	0	50	1650	0	0	0	280	120			110	106		0.14	116	104	7.3	7.6	7.9	102	118	116	0.47	340	
24	4,395	23	24	24	23	24	24	24	24	80	2400	0	50	1375	0	0	0	260	120			102	102		0.13	106	92	7.3	7.6	7.4	100	116	118	0.85	340	
25	4,472	24	24	24	24	23	23	24	24	78	2600	0	50	1650	0	0	0	220	120			100	92		0.14	108	96	7.3	7.4	7.5	100	110	118	0.47	340	
26	4,078	24	23	23	24	24	24	24	24	80	2600	0	50	1375	0	0	0	280	100			102	90		0.12	104	102	7.3	7.5	7.5	96	110	106	0.52	320	
27	4,350	24	24	24	24	24	24	23	23	70	2500	0	50	1375	0	0	0	280	80			114	96		0.14	124	110	7.5	7.7	7.4	100	114	126	0.52	320	
28	4,649	23	24	24	23	24	24	24	24	70	2500	0	50	1375	0	0	0	200	100			108	94		0.13	246	96	7.3	7.4	7.5	94	116	108	0.28	320	
29	4,806	24	24	24	24	24	24	24	24		2000	0	50	0	0	0	0	110	100			256	170		0.14	250	188	8	7.7	7	102	256	188	0.52	320	
30	4,509	24	24	24	24	23	23	24	24	70	1700	0	50	0	0	0	0	100	100			240	218		0.07	238	202	8	7.2	7.3	164	246	242	0.47	320	
31	4,464	24	23	23	24	24	24	24	24	70	1900	0	50	0	0	0	0	100	80			228	220		0.12	246	206	8	7.3	7.3	220	236	230	0.47	320	
TOT	146703	736	736	736	736	736	736	737	737	2423	77100		1100	29291				6000	3430			4750	4404		4.5	4942	4402	235	231	232	4448	4962	4920	16.89	9930	
Avg	4732	24	24	24	24	24	24	24	24	78	2487		35.48	945				194	111			153	142		0	159	142	7.6	7.4	7.5	143.5	160	159	0.545	######	

Power Costs	**$26,307.57**
Labor Costs	**$30,110.25**
Chemicals	**$24,328.95**
Supplies	**$973.03**
Repairs	**$2,996.72**
TOTAL	**$84,716.52**

Cost per thousand Gallons $ 0.57

Ave. Rate of Wash (Vert. in/min.)	
Ave Wash Period (Minutes)	
% Wash Water Used	**1.65%**
Ave. Head Loss for Washing	

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

Signed **Phillip Hightower**

Title **Water Treatment Plant Supervisor**

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

Oper. Cert. No. **B 90404**

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
MONTHLY OPERATIONAL REPORT
WATER TREATMENT PLANTS

Mail original before the 10th of the following month
to the Department of Environmental Quality, Water Quality Division
P. O. Box 1677, Oklahoma City, OK 73101-1677

Plant: Durant Water Treatement F
PWSID: 1010601
Month: August 2017
Population: 19,491

Durant City Utilities Authority	PO Box 578	Durant OK	74702
System	*Address*	*City*	*ZIP*

DAY	WATER TREATED	FILTER OPERATION / FILTERS USED-HOURS 1	2	3	4	5	6	7	8	WASH WATER IN 1000 GALS.	CHEMICALS USED-LBS. ALUM	LIME	POLYMER Name:	NAOH	CARBON	OTHER Name: NH2SIF6	OTHER Name: copper sul	CHLORINE PRE	CHLORINE POST	ALKALINITY "P" RAW	"P" FILT	TOTAL AM RAW	TOTAL AM FILT	CLO2 Residual RAW	CLO2 Residual FILT	TOTAL PM RAW	TOTAL PM FILT	pH RAW	pH FILT AM	pH FILT PM	CaCO3 STABILITY Method:	HARDNESS (ppm) AM RAW	HARDNESS FILT	Chlorite residual	Chlorite lbs/day	REMARKS
1	5,580	24	23	23	24	24	24	24	24	70	2300	0	0	0	0	0	0	100	120			242	230		0.15	248	234	8.1	7.4	7.3	232	272	262	0.71	300	
2	5,272	23	24	24	23	24	24	24	24	70	2200	0	0	0	0	0	0	100	100			260	240		0.14	262	244	8.1	7.3	7.3	242	262	262	0.71	300	
3	5,234	24	24	24	24	24	24	23	23	80	2100	0	0	0	0	0	0	100	80			266	236		0.15	250	244	8.1	7.4	7.5	240	260	236	0.76	300	
4	5,173	24	24	24	24	23	23	24	24	80	2000	0	0	0	0	0	0	100	100			252	230		0.1	252	228	8	7.3	7.3	238	256	254	0.42	300	
5	5,310	24	23	23	24	24	24	24	24	70	2100	0	0	0	0	0	0	100	110			248	234		0.11	252	230	8	7.2	7.2	220	284	272	0.47	320	
6	5,095	23	24	24	23	24	24	24	24	70	3700	0	0	0	0	0	0	260	140			260	226		0.14	250	236	8.1	7.4	7.4	230	254	252	0.85	320	
7	4,772	24	24	24	24	23	23	23	23	140	2700	0	0	1375	0	0	0	180	100			124	208		0.22	130	200	7.4	7.3	7.4	230	136	236	0.57	320	switched to lake
8	4,800	24	24	24	24	24	24	24	24		2300	0	0	1100	0	0	0	180	120			124	136		0.09	126	126	7.5	7.7	7.9	204	116	150	0.71	320	
9	4,854	24	23	23	24	24	24	24	24	90	2800	0	0	1513	0	0	0	180	120			122	116		0.13	126	110	7.7	7.8	7.8	136	128	130	0.85	320	
10	5,223	23	24	24	23	24	24	24	24	80	2800	0	50	1238	0	0	0	180	100			118	106		0.11	116	100	7.5	7.5	7.6	114	122	132	0.61	320	
11	5,328	24	24	24	24	23	23	24	24	60	3200	0	50	1375	0	0	0	180	120			122	106		0.14	124	102	7.4	7.5	7.7	108	140	120	0.8	320	
12	5,132	24	24	24	24	24	24	23	23	80	2800	0	50	1238	0	0	0	180	120			112	110		0.15	116	112	7.6	7.6	7.6	106	140	128	0.52	320	
13	4,409	23	23	23	23	24	24	24	24	150	2500	0	50	1238	0	0	0	230	140			120	108		0.24	122	104	7.5	7.6	7.3	114	126	124	0.76	310	
14	4,368	24	24	24	24	23	23	24	24	80	2500	0	50	1375	0	0	0	200	120			112	104		0.13	110	106	7.4	7.4	7.4	106	110	108	0.38	310	
15	4,374	23	23	23	23	24	24	23	23	250	2400	0	50	1375	0	0	0	220	120			120	104		0.16	124	106	7.4	7.6	7.6	106	118	118	0	310	
16	4,408	24	24	24	24	24	24	24	24		2500	0	50	1238	0	0	0	240	120			110	112		0.18	118	110	7.5	7.7	7.7	104	120	116	0	320	
17	4,456	24	24	24	24	23	23	24	24	70	2500	0	50	1512	0	0	0	240	100			106	108		0.18	108	104	7.5	7.6	7.3	108	108	122	0.57	320	
18	4,354	24	24	24	24	24	24	23	23	80	2500	0	50	1100	0	0	0	200	100			116	102		0.13	110	100	7.5	7.5	7.6	108	116	108	0.47	320	
19	4,229	24	23	23	24	24	24	24	24	80	2400	0	50	1513	0	0	0	200	120			110	104		0.17	112	102	7.2	7.4	7.4	102	120	116	0.66	320	
20	4,330	23	24	24	23	24	24	24	24	80	2600	0	50	413	0	0	0	320	120			116	112		0.2	120	114	7.3	7.5	7.3	100	112	98	0.61	340	
21	4,778	24	24	24	24	23	23	24	24	75	2800	0	50	1513	0	0	0	240	120			116	84		0.16	112	94	6.8	6.4	7.5	108	128	116	0.47	340	
22	4,710	24	24	24	24	24	24	24	24		2500	0	50	1375	0	0	0	240	120			114	100		0.19	116	100	7.4	7.4	7.8	114	112	108	0.42	340	
23	4,791	24	23	23	24	24	24	23	23	150	2700	0	50	1650	0	0	0	280	120			110	106		0.14	116	104	7.3	7.6	7.9	102	118	116	0.47	340	
24	4,395	23	24	24	23	24	24	24	24	80	2400	0	50	1375	0	0	0	260	120			102	102		0.13	106	92	7.3	7.6	7.4	100	116	118	0.85	340	
25	4,472	24	24	24	24	23	23	24	24	78	2600	0	50	1650	0	0	0	220	120			100	92		0.14	108	96	7.3	7.4	7.5	100	110	118	0.47	340	
26	4,078	24	23	23	24	24	24	24	24	80	2600	0	50	1375	0	0	0	280	100			102	90		0.12	104	102	7.3	7.5	7.5	96	110	106	0.52	320	
27	4,350	24	24	24	24	24	24	23	23	70	2500	0	50	1375	0	0	0	280	80			114	96		0.14	124	110	7.5	7.7	7.4	100	114	126	0.52	320	
28	4,649	23	24	24	23	24	24	24	24	70	2500	0	50	1375	0	0	0	200	100			108	94		0.13	246	96	7.3	7.4	7.5	94	116	108	0.28	320	
29	4,806	24	24	24	24	24	24	24	24		2000	0	50	0	0	0	0	110	100			256	170		0.14	250	188	8	7.7	7	102	256	188	0.52	320	
30	4,509	24	24	24	24	23	23	24	24	70	1700	0	50	0	0	0	0	100	100			240	218		0.07	238	202	8	7.2	7.3	164	246	242	0.47	320	
31	4,464	24	23	23	24	24	24	24	24	70	1900	0	50	0	0	0	0	100	80			228	220		0.12	246	206	8	7.3	7.3	220	236	230	0.47	320	
TOT	146703	736	736	736	736	736	736	737	737	2423	77100		1100	29291				6000	3430			4750	4404		4.5	4942	4402	235	231	232	4448	4962	4920	16.89	9930	
Avg	4732	24	24	24	24	24	24	24	24	78	2487		35.48	945				194	111			153	142		0	159	142	7.6	7.4	7.5	143.5	160	159	0.545	######	

Power Costs	**$26,307.57**
Labor Costs	**$30,110.25**
Chemicals	**$24,328.95**
Supplies	**$973.03**
Repairs	**$2,996.72**
TOTAL	**$84,716.52**

Cost per thousand Gallons $ 0.57

Ave. Rate of Wash (Vert. in/min.)	
Ave Wash Period (Minutes)	
% Wash Water Used	**1.65%**
Ave. Head Loss for Washing	

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

Signed **Phillip Hightower**

Title **Water Treatment Plant Supervisor**

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

Oper. Cert. No. **B 90404**

THE CITY OF DURANT
Office of the Water Treatment Plant

Water Treatment Plant Projects Schedule
August 2017 Monthly Report

A. Work Completed
1. Calibrate lab instruments daily
2. Maintained Water Plant
3. Cleaned all buildings weekly
4. Backwashed filters as needed
5. Backwashed raw pumps weekly
6. Hooked up chlorine tanks and checked for leaks
7. Unload chemicals as they arrived
8. Pulled sludge as needed
9. Run daily chlorine dioxide samples on raw line
10. Flushed alum pumps
11. Inspected fire extinguishers
12. Pulled required water samples and send to ODEQ
13. Clean turbidity meters as needed
14. Cleaned screens on CLO2 generator as needed
15. Worked at the lagoons
16. Replaced belt on south flocculato
17. Removed floats from basin and took to land fill
18. Worked on north clo2 generator
19. Mowed Plant grounds
20. Weed eated around plant grounds
21. Pulled soft start off #2 pump motor at Cardinal Glass pump station and sent to Dan Foss for repair
22. Mowed and weed eated at Cardinal Glass Pump Station
23. Fixed a leak on post chlorine line
24. Installed lines under the new plant filters to pull samples from
25. Replaced a belt on welding machine
26. Installed trickle chargers on diesel pump batteries
27. Installed SD cards in sc200 controllers under each filter
28. Rebuilt chlorinator
29. Prepped hand rails for painting
30. Started painting hand rails
31. Replaced worn out freeze plug on new plant alum feed line
32. Started pressure washing buildings to prep them for painting
33. Treated 146,703,000 gallons of water

B. Work Planned for January-December — Approx Start/Finish Date
1. Paint buildings and clarifiers and hand rails around plant — Time permitting

C. Projects Planned and Requested for Authorization
A. Upgrade raw pump building at the water plant

844 Caddo Hwy • Caddo, Oklahoma 74729 • (580) 924-1487 • Fax (580) 924-8566
www.durant.org