



# DRUMHELLER

## INFRASTRUCTURE SERVICES



### REQUEST FOR QUOTATION

**QUOTATION:**

WATER AND WASTEWATER TREATMENT CHEMICALS

**DATE:**

July 22, 2019

**FROM:**

Dave Brett, P.Eng., PMP., Director of Infrastructure Services

#### TOWN OF DRUMHELLER REPRESENTATIVE

**DATE QUOTATION REQUIRED:**

YEAR: 2019    MONTH: AUGUST    DAY: 8    TIME: 2:00 PM Local Time

**- SUBMIT QUOTATION IN A CLEARLY-MARKED & SEALED ENVELOPE -**

**SEND TO MAILING ADDRESS:**

**TOWN OF DRUMHELLER,  
224 Centre Street  
Drumheller, Alberta T0J 0Y4  
Attention: Dave Brett, P.Eng., PMP.  
Director of Infrastructure Services**

YOUR FIRM IS INVITED TO SUBMIT A QUOTATION, PURSUANT TO THE GENERAL CONDITIONS FOR THE SCOPE OF WORK AS DESCRIBED THE PROPOSAL MUST INCLUDE LABOUR, MATERIALS, EQUIPMENT AND OVERHEAD. THIS REQUEST SHALL NOT BE CONSIDERED AUTHORIZATION TO PROCEED WITH THE WORK HEREIN DESCRIBED.

**SECTION #1 (TO BE COMPLETED BY TOWN OF DRUMHELLER)**

INITIATOR OF REQUEST: Dave Brett, P.Eng. PMP., Director of Infrastructure Services

YEAR: 2019 MONTH: June DAY: 22

**1) SCOPE OF WORK: (INCLUDE LIST OF ATTACHEMENTS)**

- a) The Town of Drumheller is looking for a supplier for chemicals for the water and wastewater treatment process.
- b) Before award of contract the chemical supplier may be required to conduct chemical for jar testing and pilot testing to show that the chemicals meet the needs of the treatment process, Town of Drumheller standards and Alberta Environment & parks standards.
- c) All chemicals have to be NSF approved with the exception of those noted as Not Applicable (N/A).
- d) The term of this contract will be for a period of three (3) years.
- e) The Town of Drumheller reserves the right to terminate the contract with thirty (30) days written notice to the successful Bidder.
- f) All pricing shall include delivery to the following locations Town of Drumheller;
  - i) Chemicals – Treatment Plants  
Drumheller Water Treatment Plant  
2490 South Railway Ave East  
Drumheller, Alberta  
T0J 0Y0
  - ii) Chemicals – AquaPlex  
Drumheller Aquaplex  
100 1 Avenue West  
Drumheller, Alberta  
T0J 0Y4
- g) All measurements and quantities will be communicated in metric (International System of Units (SI)).

**2) QUOTATION PACKAGE:**

- a) The quotation package shall include the following:
  - i) Safety Data Sheets (SDS);
  - ii) References

**3) PIROR TO CONTRACT AWARD:**

- a) Before the contract can be awarded, the contractor must produce the following:
  - i) Liability Insurance in the amount of 2 million
  - ii) Worker Compensation Board (WCB)

**4) EVALUATION CRITERIA:**

- a) Each quotation received will be evaluated on the basis listed below. The Town of Drumheller will have the sole and unfettered discretion to award up to the maximum number of points for each criterion listed below.

- b) By submitting a proposal, each contractor acknowledges and agrees to waive any right to contest through legal proceedings. The decision to award points in respect to the criteria noted below will be at the sole discretion of the Town of Drumheller.
- c) A chemical which fails a requested jar test and/or pilot test will not be considered for purchase. Pass or fail of the jar test and/or pilot test will be determined by Town of Drumheller treatment plant staff.

CRITERIA	WEIGHTING
Cost	80
References	20

## **SECTION #2 (TO BE COMPLETED BY CONTRACTOR)**

### 1) PRICE BREAKDOWN:

**Table A: Chemical Supply Year 1**

Item	Title	NSF Code	Description	Estimated Quantity	Unit	Unit Rate \$/unit	Total Cost
				A		B	C = A *B
<b>1.00</b>	<b>Chemical – Treatment Plants</b>						
<b>1.01</b>	Sodium Hypochlorite (12%)	60	Supply and delivery of 210kg drums, or equivalent, of liquid Sodium Hypochlorite	6,720	kg		
<b>1.02</b>	Sodium Hypochlorite (12%)	60	Supply and delivery of 20L pails, or equivalent, of liquid Sodium Hypochlorite (12%)	160	L		
<b>1.03</b>	Copper Sulfate	80	Supply and delivery of 25kg bag, or equivalent, of copper sulfate powder	2,000	kg		
<b>1.04</b>	Copper Sulfate	40	Supply and delivery of 25kg bags, or equivalent, of Citric Acid (Food Grade)	1,000	kg		
<b>1.05</b>	KMnO4 (Potassium Permanganate)	60	Supply and delivery of 25kg pail, or equivalent, of Potassium Permanganate powder.	625	kg		
<b>1.06</b>	Sulfuric Acid (93%)	60	Supply and delivery of Liquid Sulfuric Acid (93%), by tanker truck.	12.04	tonne		
<b>1.07</b>	Hydrofluorosalic Acid	60	Supply and delivery of 136kg drums, or equivalent, of Liquid Hydrofluorosalic Acid.	6,800	kg		
<b>1.08</b>	Sodium Hydroxide (50%)	N/A	Supply and delivery of				
<b>1.09</b>	CE8055 Cationic Flocculant	60	Supply and delivery of 204kg drums, or equivalent, of liquid CE8055.	9,792	kg		

Item	Title	NSF Code	Description	Estimated Quantity	Unit	Unit Rate \$/unit	Total Cost
				A		B	C = A *B
1.11	CTI 4900 Aluminum Chlorohydrate (ACH)	60	Supply and delivery of bulk liquid aluminum chlorohydrate	85.02	tonne		
1.12	CTI4912 Aluminum Chlorohydrate (ACH) Polymer Blend	60	Supply and delivery of 260kg drum or equivalent, of liquid aluminum chlorohydrate polymer blend.	2,080	kg		
1.13	Chlorine gas	60	Supply and delivery of Cl2 gas in 1 tonne containers.	6	tonne		
1.14	Coagulant Acid Polymer (AP 2565)	60	Supply and delivery of 25kg bags, or equivalent, of Coagulant Acid polymer (AP2565) powder.	625	kg		
1.15	Calcium thiosulphate (30% solution)	N/A	Supply and delivery of 256kg drum, or equivalent, of liquid Calcium thiosulphate (30% solution).	1,024	kg		
1.16	Calcium Hypochlorite Granular (65%-70%)	N/A	Supply and delivery of 30kg drum, or equivalent, of powder Calcium Hypochlorite Granular (65%-70%).	30	kg		
1.17	Soda Ash	N/A	Supply and delivery of 22.7kg bag, or equivalent, of powder.	1	kg		
1.18	Filter Polymer LT22S	N/A	Supply and delivery of 25kg bag, or equivalent, of powder.	1	kg		
1.19	De-chlorination Pucks	N/A	Supply and delivery of 21.8kg pails, or solid, of solid Sodium sulfite (92%) pucks for de-chlorination water in the distribution system.	697.6	kg		
<b>Subtotal 1.0 Chemicals – Treatment Plant</b>							
2.00	<b>Chemical – Aquaplex</b>						
2.01	Sodium Hypochlorite (12%)	60	Supply and delivery of 20L pails, or equivalent, of liquid Sodium Hypochlorite (12%)	8,960	L		
2.02	Sodium Bisulphate		Supply and delivery of 50kg bags, or equivalent, of powdered Sodium Bisulphate	8,000	kg		
2.03	Sodium Bicarbonate		Supply and delivery of 50kg bags, or equivalent, of powdered Sodium Bicarbonate	1,000	kg		
<b>Subtotal 2.0 Chemicals - Aquaplex</b>							
3.00	<b>Credit for Shipping Container Return</b>						
3.01	Pallets	N/A	Credit for return of pallets. Including supplier picking up tonners from water treatment plant.	1	Pallet		
3.02	Tonners	N/A	Credit for return tonners. Including supplier picking up tonners from water treatment plant.	1	Tonner		

Item	Title	NSF Code	Description	Estimated Quantity	Unit	Unit Rate \$/unit	Total Cost
				A		B	C = A *B
3.03	Drums	N/A	Credit for return of drums. Including supplier picking up drums from water treatment plant.	1	Drum		

**Table B: Chemical Supply Year 2**

Item	Title	NSF Code	Description	Estimated Quantity	Unit	Unit Rate \$/unit	Total Cost
				A		B	C = A *B
<b>1.00</b>	<b>Chemical – Treatment Plants</b>						
1.01	Sodium Hypochlorite (12%)	60	Supply and delivery of 210kg drums, or equivalent, of liquid Sodium Hypochlorite	6,720	kg		
1.02	Sodium Hypochlorite (12%)	60	Supply and delivery of 20L pails, or equivalent, of liquid Sodium Hypochlorite (12%)	160	L		
1.03	Copper Sulfate	80	Supply and delivery of 25kg bag, or equivalent, of copper sulfate powder	2,000	kg		
1.04	Copper Sulfate	40	Supply and delivery of 25kg bags, or equivalent, of Citric Acid (Food Grade)	1,000	kg		
1.05	KMnO4 (Potassium Permanganate)	60	Supply and delivery of 25kg pail, or equivalent, of Potassium Permanganate powder.	625	kg		
1.06	Sulfuric Acid (93%)	60	Supply and delivery of Liquid Sulfuric Acid (93%), by tanker truck.	12.04	tonne		
1.07	Hydrofluorosalic Acid	60	Supply and delivery of 136kg drums, or equivalent, of Liquid Hydrofluorosalic Acid.	6,800	kg		
1.08	Sodium Hydroxide (50%)	N/A	Supply and delivery of				
1.09	CE8055 Cationic Flocculant	60	Supply and delivery of 204kg drums, or equivalent, of liquid CE8055.	9,792	kg		
1.11	CTI 4900 Aluminum Chlorohydrate (ACH)	60	Supply and delivery of bulk liquid aluminum chlorohydrate	85.02	tonne		
1.12	CTI4912 Aluminum Chlorohydrate (ACH) Polymer Blend	60	Supply and delivery of 260kg drum or equivalent, of liquid aluminum chlorohydrate polymer blend.	2,080	kg		
1.13	Chlorine gas	60	Supply and delivery of Cl2 gas in 1 tonne containers.	6	tonne		

Item	Title	NSF Code	Description	Estimated Quantity	Unit	Unit Rate \$/unit	Total Cost
				A		B	C = A *B
1.14	Coagulant Acid Polymer (AP 2565)	60	Supply and delivery of 25kg bags, or equivalent, of Coagulant Acid polymer (AP2565) powder.	625	kg		
1.15	Calcium thiosulphate (30% solution)	N/A	Supply and delivery of 256kg drum, or equivalent, of liquid Calcium thiosulphate (30% solution).	1,024	kg		
1.16	Calcium Hypochlorite Granular (65%-70%)	N/A	Supply and delivery of 30kg drum, or equivalent, of powder Calcium Hypochlorite Granular (65%-70%).	30	kg		
1.17	Soda Ash	N/A	Supply and delivery of 22.7kg bag, or equivalent, of powder.	1	kg		
1.18	Filter Polymer LT22S	N/A	Supply and delivery of 25kg bag, or equivalent, of powder.	1	kg		
1.19	De-chlorination Pucks	N/A	Supply and delivery of 21.8kg pails, or solid, of solid Sodium sulfite (92%) pucks for de-chlorination water in the distribution system.	697.6	kg		
<b>Subtotal 1.0 Chemicals – Treatment Plant</b>							
<b>2.00</b>	<b>Chemical – Aquaplex</b>						
2.01	Sodium Hypochlorite (12%)	60	Supply and delivery of 20L pails, or equivalent, of liquid Sodium Hypochlorite (12%)	8,960	L		
2.02	Sodium Bisulphate		Supply and delivery of 50kg bags, or equivalent, of powdered Sodium Bisulphate	8,000	kg		
2.03	Sodium Bicarbonate		Supply and delivery of 50kg bags, or equivalent, of powdered Sodium Bicarbonate	1,000	kg		
<b>Subtotal 2.0 Chemicals - Aquaplex</b>							
<b>3.00</b>	<b>Credit for Shipping Container Return</b>						
3.01	Pallets	N/A	Credit for return of pallets. Including supplier picking up tonners from water treatment plant.	1	Pallet		
3.02	Tonners	N/A	Credit for return tonners. Including supplier picking up tonners from water treatment plant.	1	Tonner		
3.03	Drums	N/A	Credit for return of drums. Including supplier picking up drums from water treatment plant.	1	Drum		

**Table C: Chemical Supply Year 3**

Item	Title	NSF Code	Description	Estimated Quantity	Unit	Unit Rate \$/unit	Total Cost
				A		B	C = A *B
<b>1.00</b>	<b>Chemical – Treatment Plants</b>						
1.01	Sodium Hypochlorite (12%)	60	Supply and delivery of 210kg drums, or equivalent, of liquid Sodium Hypochlorite	6,720	kg		
1.02	Sodium Hypochlorite (12%)	60	Supply and delivery of 20L pails, or equivalent, of liquid Sodium Hypochlorite (12%)	160	L		
1.03	Copper Sulfate	80	Supply and delivery of 25kg bag, or equivalent, of copper sulfate powder	2,000	kg		
1.04	Copper Sulfate	40	Supply and delivery of 25kg bags, or equivalent, of Citric Acid (Food Grade)	1,000	kg		
1.05	KMnO4 (Potassium Permanganate)	60	Supply and delivery of 25kg pail, or equivalent, of Potassium Permanganate powder.	625	kg		
1.06	Sulfuric Acid (93%)	60	Supply and delivery of Liquid Sulfuric Acid (93%), by tanker truck.	12.04	tonne		
1.07	Hydrofluorosalic Acid	60	Supply and delivery of 136kg drums, or equivalent, of Liquid Hydrofluorosalic Acid.	6,800	kg		
1.08	Sodium Hydroxide (50%)	N/A	Supply and delivery of				
1.09	CE8055 Cationic Flocculant	60	Supply and delivery of 204kg drums, or equivalent, of liquid CE8055.	9,792	kg		
1.11	CTI 4900 Aluminum Chlorohydrate (ACH)	60	Supply and delivery of bulk liquid aluminum chlorohydrate	85.02	tonne		
1.12	CTI4912 Aluminum Chlorohydrate (ACH) Polymer Blend	60	Supply and delivery of 260kg drum or equivalent, of liquid aluminum chlorohydrate polymer blend.	2,080	kg		
1.13	Chlorine gas	60	Supply and delivery of Cl2 gas in 1 tonne containers.	6	tonne		
1.14	Coagulant Acid Polymer (AP 2565)	60	Supply and delivery of 25kg bags, or equivalent, of Coagulant Acid polymer (AP2565) powder.	625	kg		
1.15	Calcium thiosulphate (30% solution)	N/A	Supply and delivery of 256kg drum, or equivalent, of liquid Calcium thiosulphate (30% solution).	1,024	kg		
1.16	Calcium Hypochlorite Granular (65%-70%)	N/A	Supply and delivery of 30kg drum, or equivalent, of powder Calcium Hypochlorite Granular (65%-70%).	30	kg		
1.17	Soda Ash	N/A	Supply and delivery of 22.7kg bag, or equivalent, of powder.	1	kg		

Item	Title	NSF Code	Description	Estimated Quantity	Unit	Unit Rate \$/unit	Total Cost
				A		B	C = A *B
1.18	Filter Polymer LT22S	N/A	Supply and delivery of 25kg bag, or equivalent, of powder.	1	kg		
1.19	De-chlorination Pucks	N/A	Supply and delivery of 21.8kg pails, or solid, of solid Sodium sulfite (92%) pucks for de-chlorination water in the distribution system.	697.6	kg		
<b>Subtotal 1.0 Chemicals – Treatment Plant</b>							
<b>2.00</b>	<b>Chemical – Aquaplex</b>						
2.01	Sodium Hypochlorite (12%)	60	Supply and delivery of 20L pails, or equivalent, of liquid Sodium Hypochlorite (12%)	8,960	L		
2.02	Sodium Bisulphate		Supply and delivery of 50kg bags, or equivalent, of powdered Sodium Bisulphate	8,000	kg		
2.03	Sodium Bicarbonate		Supply and delivery of 50kg bags, or equivalent, of powdered Sodium Bicarbonate	1,000	kg		
<b>Subtotal 2.0 Chemicals - Aquaplex</b>							
<b>3.00</b>	<b>Credit for Shipping Container Return</b>						
3.01	Pallets	N/A	Credit for return of pallets. Including supplier picking up tonners from water treatment plant.	1	Pallet		
3.02	Tonners	N/A	Credit for return tonners. Including supplier picking up tonners from water treatment plant.	1	Tonner		
3.03	Drums	N/A	Credit for return of drums. Including supplier picking up drums from water treatment plant.	1	Drum		

**Table D: Summary**

<b>Table A Total – Chemical Supply Year 1</b>	
<b>Table B Total – Chemical Supply Year 2</b>	
<b>Table C Total – Chemical Supply Year 3</b>	
<b>Total – Full contract (sum of Table 1 to 3)</b>	

**QUOTATION SUBMISSION PRICE IN EFFECT FOR 90 DAYS FROM DATE OF ACCEPTANCE FROM THE TOWN OF DRUMHELLER.**



2) **QUOTATION INELIGIBILITY:**

- a) Quotations that are unsigned, incomplete, improperly signed or sealed, conditional, illegible, obscure, contain mathematical errors, erasures, alterations or irregularities of any kind, may be considered invalid.
- b) The lowest, or any evaluated quotation, may not necessarily be accepted. The Town of Drumheller reserves the right to reject any or all quotations or to accept the quotation evaluated to be in the best interest of the Town of Drumheller.

3) **PARTIAL AWARD**

- a) The Town of Drumheller can award all or part of the contract to a single or multiple chemical suppliers as it deems fit.

**NOTE: ALL PROCUREMENT PROCESSES WILL BE IN COMPLIANCE WITH THE TOWN OF DRUMHELLER PURCHASING POLICY.**

**SECTION #3 (TO BE COMPLETED BY TOWN OF DRUMHELLER)**

**EXPECTED PROJECT COMPLETION: 3 (THREE) YEARS FROM AWARD DATE OF PROJECT.**

**SECTION #4 (TO BE COMPLETED BY CONTRACTOR)**

**REFERENCES:**

**Company Name:** \_\_\_\_\_

**Primary Contact:** \_\_\_\_\_

**Phone Number:** \_\_\_\_\_

**Company Name:** \_\_\_\_\_

**Primary Contact:** \_\_\_\_\_

**Phone Number:** \_\_\_\_\_

**Company Name:** \_\_\_\_\_

**Primary Contact:** \_\_\_\_\_

**Phone Number:** \_\_\_\_\_

**INTENT**

THE UNDERSIGNED CONTRACTOR HEREBY PROVIDES A PROPOSAL TO PERFORM THE PROJECT/WORK AS DESCRIBED WITHIN ITS ENTIRETY FOR THE COST AS DESCRIBED IN SECTION #2, ITEM #1.

**CONTRACTOR:** \_\_\_\_\_

PRINT NAME OF AUTHORIZED PERSONNEL: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

EMAIL: \_\_\_\_\_

TELEPHONE: \_\_\_\_\_

**TOWN OF DRUMHELLER:** \_\_\_\_\_

PRINT NAME OF AUTHORIZED PERSONNEL: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

DATE: YEAR [ ] MONTH [ ] DAY [ ]

UPON COMPLETION OF SIGNATURES ABOVE, THIS DOCUMENT WILL REPRESENT A CONTRACT AGREEMENT BETWEEN THE CONTRACTOR AND TOWN OF DRUMHELLER.