



**Invitation For Bid TAC840B
Sludge Thickening Polymer
Water & Sewer
Issued: February 28, 2019**

**City of Tulsa,
Oklahoma**
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NOTICE is hereby given that the CITY OF TULSA, OKLAHOMA will receive sealed Bids for the following:

BID # TAC 840B

DESCRIPTION: Sludge Thickening Polymer

(Commodity Code(s): 885-44; 885-70)

You are invited to submit a Bid to supply the Goods and/or Services specified above. Invitations for Bid (IFB) will be posted on the City's website at www.cityoftulsapurchasing.org or a hardcopy may be obtained at:

City of Tulsa-Purchasing Division
175 East 2nd Street, 15th Floor
Tulsa Oklahoma 74103

**Bids must be received no later than 5:00 PM (CST) on Wednesday, June 26, 2019, and delivered to:
City Clerk's Office
175 East 2nd Street, Suite 260
Tulsa Oklahoma 74103**

Bids must be sealed and either mailed or delivered. No faxed or emailed Bids will be considered. Bids received after the stated date and time **will not be accepted and will be returned to the Bidder unopened.**

The Bid Packet consists of (1) this Notice of Invitation for Bid, (2) the Summary Sheet, (3) Form #1, (4) Form #2, (5) Form #3, (6) Form #4, (7) Form #5, (8) Form #6, (9) the Instructions, Terms and Conditions for Bidders, (10) Special Requirements, (11) Technical Specifications and (12) Exhibit A.

Use this checklist to ensure you have properly read and completed all Forms.

- Notice of Invitation for Bid
- Summary Sheet
- Form #1: Bidder Information Sheet. Must be completed.
- Form #2: Purchase Agreement. **Complete legal name in first paragraph and Notice provision in Section 17.i. Original signature required.**
- Form #3: Interest Affidavit. Original signature and notarization required.
- Form #4: Non-Collusion Affidavit. Original signature and notarization required.
- Form #5: Affidavit of Claimant. Original signature and notarization required.
- Form #6: Acknowledgment of Receipt of Addenda/Amendments. Must be completed and signed.
- Instructions, Terms and Conditions for Bidders
- Special Requirements (Offer Period; Insurance and Bonding; References)
- Technical Specifications
- Exhibit A: Bid Form including Delivery and Pricing. This is your Bid. It must be completed or your Bid will be rejected.

IMPORTANT NOTE: Write the Bid Number, Bid Description (as listed above), and Bid Opening Date on the lower left corner of the outside of your Bid envelope. You must return the entire completed Bid Packet.



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SUMMARY SHEET

Project Buyer

If you have any questions or need additional information, contact the assigned Project Buyer:

Ashleigh McCarn

amccarn@cityoftulsa.org

City of Tulsa

175 E. 2nd Street, 5TH Floor

Tulsa, OK 74103

Include **IFB TAC 840B Sludge Thickening Polymer** on the subject line

Bidder's Notice of Intent to Submit a Bid

Email the Project Buyer indicating your intent to Bid. Include IFB **TAC 840B Sludge Thickening Polymer** on the subject line of the email. You will receive an email response verifying your notice of intent to bid was received. This same procedure should be followed to request clarification, in writing, of any point in the IFB. Bidders are encouraged to contact the Project Buyer by email if there is anything in these specifications that prevents you from submitting a Bid, or completing the Bid Packet.

Questions and concerns must be received no later than **ten (10) days prior** to the Bid Packet due date.

Issuing of Addenda

If you received the notice of this IFB from the City as a result of being registered to sell the commodity code(s) on this Bid, you should also receive notice of any addenda issued. If you are not registered with the City to sell the commodities listed herein, you must register as a supplier on the City of Tulsa Purchasing website (www.cityoftulsapurchasing.org) to receive notice of any addenda, or to receive notice of any future IFBs.

Pre-Bid Conference

If a pre-Bid conference will be held for this IFB, information on that conference will be inserted below:

No pre-Bid conference will be held for this IFB.

Bid Packet Submission

The City requires two completed Bid packets: 1 Original and 1 Copy. Each must be clearly labeled on the front sheet indicating "Original" or "Copy". If a copy on electronic media is also required, the line below will be checked.
___ Electronic USB Copy also required.

Responses to this Invitation for Bid must be made on the forms listed on page 1. The entire completed Bid Packet must be returned or your Bid may be rejected. Do not take exception to any portion of this Bid Packet. Do not make any entries except where required. Do not insert any other documents into the Bid Packet.

Bid Opening

All Bid openings are public and take place at 8:30 a.m. Thursday, the day after Bids are due. The Bid openings are held in the City of Tulsa Council Meeting Room, 175 East 2nd Street, 2nd Floor, Tulsa, Oklahoma.



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FORM #1
BIDDER INFORMATION SHEET

Bidder's Exact Legal Name: _____
(Must be Bidder's company name as reflected on its organizational documents, filed with the state in which bidder is organized; not simply a DBA)

State of Organization: _____

Bidder's Type of Legal Entity: (check one)

- | | |
|--|--|
| <input type="checkbox"/> Sole Proprietorship | <input type="checkbox"/> Limited Liability Company |
| <input type="checkbox"/> Partnership | <input type="checkbox"/> Limited Liability Partnership |
| <input type="checkbox"/> Corporation | |
| <input type="checkbox"/> Limited Partnership | <input type="checkbox"/> Other: _____ |

Bidder's Address: _____
Street City State Zip Code

Bidder's Website Address: _____ **Email Address:** _____

Sales Contact:

Name: _____
Street: _____
City: _____
State: _____
Phone: _____
Fax: _____
Email: _____

Legal or Alternate Sales Contact:

Name: _____
Street: _____
City: _____
State: _____
Phone: _____
Fax: _____
Email: _____



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**FORM #2 (Page 1 of 4)
PURCHASE AGREEMENT**

INSTRUCTIONS: This document **must** be properly signed and returned or your Bid will be **rejected**. This form constitutes your offer and if accepted by the City of Tulsa will constitute the Purchase Agreement under which you are obligated to perform. Your signature on this document indicates you have read and understand these terms and agree to be bound by them.

THIS PURCHASE AGREEMENT is between the CITY OF TULSA, OKLAHOMA, a municipal corporation, 175 East 2nd Street, Tulsa, Oklahoma, 74103-3827 (the "City") and:

(Bidder's company name as reflected on its organizational documents, filed with the state in which bidder is organized; not simply a DBA) (the "Seller").

WITNESSETH:

WHEREAS, the City has approved certain specifications and advertised for or solicited Bids on the following goods or services:

TAC 840B Sludge Thickening Polymer

(the "Goods and/or Services"); and

WHEREAS, Seller desires to provide such Goods and/or Services to City, acknowledges that this document constitutes Seller's offer to provide the Goods and/or Services specified below, and further acknowledges that if executed by the City's Mayor, this document will become the Purchase Agreement for such Goods and/or Services.

NOW, THEREFORE, for and in consideration of the terms, covenants and conditions hereinafter set forth, the parties hereto agree as follows:

- Documents Comprising the Agreement.** The Bid Packet includes the Notice of Invitation to Bid, the Summary Sheet, Form #1, Form #2, Form #3, Form #4, Form #5, Form #6, the Instructions, Terms and Conditions for Bidders, the Special Requirements, the Technical Specifications, Exhibit A and any addenda or amendments to the Bid Packet. The Bid Packet is incorporated herein by this reference. In the event of conflicting or ambiguous language between this Purchase Agreement and any of the other Bid Packet documents, the parties shall be governed first according to this Purchase Agreement and second according to the remainder of the documents included in the Bid Packet. Seller may submit as part of its Bid additional materials or information to support the Bid. Additional materials or information submitted by Seller which are not ambiguous and which do not conflict with this Purchase Agreement or the other Bid Packet documents are incorporated herein by this reference.
- Purchase and Sale.** Seller agrees to sell City the Goods and/or Services for the price and upon the delivery terms set forth in Exhibit A hereto. City agrees to pay Seller the price as set forth in Exhibit A based on (a) the quantity actually purchased in the case of goods or services priced by unit, or (b) the total price for a stated quantity of goods or services, upon (i) delivery of the Goods and/or Services to the City, (ii) the City's Acceptance thereof, and (iii) Seller's submission and City's approval of a verified claim for the amount due. City shall not pay any late charges or fees.
- Irrevocable Offer.** Seller understands and acknowledges that its signature on this Agreement constitutes an irrevocable offer to provide the Goods and/or Services. There is no contract unless and until City's Mayor/Mayor Pro Tem executes this Agreement accepting Seller's Bid. No City officer, employee or agent except the Mayor (or Mayor Pro Tem) has the authority to award contracts or legally obligate the City to any contract. Seller shall not provide any Goods and/or Services to City pursuant to this Agreement before this Agreement is executed by City. If Seller provides any Goods and/or Services to City pursuant to this Agreement before this Agreement is executed by City, such Goods and/or Services are provided at Seller's risk and City shall have no obligation to pay for any such Goods and/or Services.
- Term.** The term of this Agreement shall be effective commencing on the date of execution of this Agreement by the Mayor/Mayor Pro Tem of the City of Tulsa and terminating one year from that date. City in its sole discretion may offer Seller an opportunity to renew this Agreement for an additional four (4) one (1) year term(s). Seller understands and acknowledges that any future contracts or renewals are neither automatic nor implied by this Agreement. The continuing purchase by City of the Goods and/or Services set forth in this Agreement is subject to City's needs and to City's annual appropriation of sufficient funds in City's fiscal year (July 1st to June 30th) in which such Goods and/or Services are purchased. In the event City does not appropriate or budget sufficient funds to perform this Agreement, this Agreement shall be null and void without further action by City.
- Warranties.** Seller shall assure that the Goods and/or Services purchased hereunder are covered by all available and applicable manufacturers' warranties for such Goods and/or Services. Seller expressly agrees that it will be responsible for performing all warranty obligations set forth in the Technical Specifications for the Goods and/or Services covered in this Agreement. Seller also warrants that the Goods and/or Services will conform to the Technical Specifications and Special Requirements, and further warrants that the Goods and/or Services shall be of good materials and workmanship and free from defects for either a minimum of one (1) year from the date of Acceptance or installation by City, whichever is later, or as **specified in the Technical Specifications**, whichever is later. In no event shall Seller be allowed to disclaim or otherwise limit the express warranties set forth herein.
- Warranty Remedies.** City shall notify Seller if any of the Goods and/or Services fails to meet the warranties set forth above, and Seller shall promptly correct, repair or replace such Goods and/or Services at Seller's sole expense. Notwithstanding the foregoing, if such Goods and/or Services shall be determined by City to be defective or non-conforming within the first thirty (30) days after the date of Acceptance by City, then City at its option shall be entitled to a complete refund of the purchase price and, in the case of Goods, shall promptly return such Goods to Seller. Seller shall pay all expenses related to the return of such Goods to Seller.



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PURCHASE AGREEMENT**

- 7. **Seller Bears Risk.** The risk of loss or damage shall be borne by Seller at all times until the Acceptance of the Goods or Services by City.
- 8. **No Indemnification by City.** Seller understands and acknowledges that City is a municipal corporation that is funded by its taxpayers to operate for the benefit of its citizens. Accordingly, and pursuant to Oklahoma law, City shall not indemnify nor hold Seller harmless for loss, damage, expense or liability arising from or related to this Agreement, including any attorneys' fees and costs. In addition, Seller shall not limit its liability to City for actual loss or direct damages for any claim based on a material breach of this Agreement and the documents incorporated herein. City reserves the right to pursue all legal and equitable remedies to which it may be entitled.
- 9. **Indemnification by Seller.** Seller agrees to indemnify, defend, and save harmless City and its officers, employees and agents from all suits and actions of any nature brought against them due to the use of patented appliances, products or processes provided by Seller hereunder. Seller shall pay all royalties and charges incident to such patents.
- 10. **No Insurance by City.** If City is leasing Goods herein, City shall not be required to obtain insurance for Seller's property. Seller shall be solely responsible for any insurance it deems necessary. City is self-insured for its own negligence, subject to the limits of the Governmental Tort Claims Act (51 O.S. § 151 et seq.).
- 11. **No Confidentiality.** Seller understands and acknowledges that City is subject to the Oklahoma Open Records Act (51 O.S. §24A.1 et seq.) and therefore cannot assure the confidentiality of contract terms or other information provided by Seller pursuant to this Agreement that would be inconsistent with City's compliance with its statutory requirements thereunder.
- 12. **Non-Responsive Bids.** Seller understands and acknowledges that if it adds terms and conditions to its Bid that are different from the terms set forth herein that its Bid may be rejected as non-responsive. Furthermore, if City accepts Seller's Bid and awards a contract to Seller based on such Bid, City shall not be bound to any exceptions, changes or additions made by Seller, and any terms and conditions added by Seller which are not expressly agreed to by City in writing will be void and of no force and effect and the parties will be governed according to the document precedence set forth in Section 1 above.
- 13. **Compliance with Laws.** Seller shall be responsible for complying with all applicable federal, state and local laws, regulations and standards. Seller is responsible for any costs of such compliance. Seller certifies that it and all of its subcontractors to be used in the performance of this Purchase Agreement are in compliance with 25 O.S. Sec. 1313 and participate in the Status Verification System. The Status Verification System is defined in 25 O.S. Sec. 1312 and includes but is not limited to the free Employee Verification Program (E-Verify) available at www.dhs.gov/E-Verify.
- 14. **Termination.** City, by written notice, may terminate this Agreement, in whole or in part, when such action is in the best interest of City. If this Agreement is so terminated, City shall be liable only for payment for Goods accepted and Services rendered prior to the effective date of termination. City's right to terminate this Agreement is cumulative to any other rights and remedies provided by law or by this Agreement.
- 15. **Price Changes.** The parties understand and agree that the variables in Seller's cost of performance may fluctuate, but any change in Seller's cost of performance will not alter its obligations under this Agreement, nor excuse performance or delay on Seller's part. If the IFB provides that Seller may include a price escalation provision in its Bid, Seller's price escalation provision will be evaluated by City as part of Seller's Bid price when awarding the Bid.
- 16. **Right to Audit.** The parties agree that Seller's books, records, documents, accounting procedures, practices, price lists or any other items related to the Goods and/or Services provided hereunder are subject to inspection, examination, and copying by City or its designees. Seller is required to retain all records related to this Agreement for the duration of the term of this Agreement and a period of three years following completion and/or termination of the Agreement. If an audit, litigation or other action involving such records begins before the end of the three year period, the records shall be maintained for three years after the date that all issues arising out of the action are resolved or until the end of the three year retention period, whichever is later.
- 17. **Notice.** Any notice, demand, or request required by or made pursuant to this Agreement shall be deemed properly made if personally delivered in writing or deposited in the United States mail, postage prepaid, to the addresses specified below.

i. To Seller: _____

To CITY: City Clerk
CITY OF TULSA, OKLAHOMA
175 E. 2nd Street, Suite 260
Tulsa, Oklahoma 74103

With a copy to: Ashleigh McCarn, Senior Buyer
City of Tulsa
175 E. 2nd Street, 15TH Floor
Tulsa, OK 74103



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18. **Relationship of Parties.** The Seller is, and shall remain at all times, an independent contractor with respect to activities and conduct while engaged in the performance of services for the City under this Agreement. No employees, subcontractors or agents of the Seller shall be deemed to be employees of the City for any purpose whatsoever, and none shall be eligible to participate in any benefit program provided by the City for its employees. The Seller shall be solely responsible for the payment of all employee wages and salaries, taxes, withholding, payments, fringe benefits, insurance premiums, continuing education courses, materials or related expenses on behalf of its employees, subcontractors, and agents. Nothing in this Agreement shall be construed to create a partnership, joint venture, or agency relationship among the parties. No party shall have any right, power or authority to act as a legal representative of another party, and no party shall have any power to obligate or bind another party, or to make any representations, express or implied, on behalf of or in the name of the other in any manner or for any purpose whatsoever.
19. **Third Parties.** This Agreement is between City and Seller and creates no right unto or duties to any other person. No person is or shall be deemed a third party beneficiary of this Agreement.
20. **Time of Essence.** City and Seller agree that time is deemed to be of the essence with respect to this Agreement.
21. **Binding Effect.** This Agreement shall be binding upon City and Seller and their respective successors, heirs, legal representatives and permitted assigns.
22. **Headings.** The headings used herein are for convenience only and shall not be used in interpreting this Agreement
23. **Severability Provision.** If any term or provision herein is determined to be illegal or unenforceable, the remainder of this Agreement will not be affected thereby. It is the intention of the parties that if any provision is held to be illegal, invalid or unenforceable, there will be added in lieu thereof a provision as similar in terms to such provision as is possible to be legal, valid and enforceable.
24. **Governing Law And Venue.** This Agreement is executed in and shall be governed by and construed in accordance with the laws of the State of Oklahoma without regard to its choice of law principles, which shall be the forum for any lawsuits arising under this Agreement or incident thereto. The parties stipulate that venue is proper in a court of competent jurisdiction in Tulsa County, Oklahoma and each party waives any objection to such venue. City does not and will not agree to binding arbitration of any disputes.
25. **No Waiver.** A waiver of any breach of any provision of this Agreement shall not constitute or operate as a waiver of any other provision, nor shall any failure to enforce any provision hereof operate as a waiver of the enforcement of such provision or any other provision.
26. **Entire Agreement/No Assignment.** This Agreement and any documents incorporated herein constitute the entire agreement of the parties and supersede any and all prior agreements, oral or otherwise. This Agreement may only be modified or amended in a writing signed by both parties. Notwithstanding anything to the contrary stated herein or in the attachments to this Agreement, no future agreements, revisions or modifications that may be required under this Agreement are effective or enforceable unless such terms, revisions or modifications have been reduced to writing and signed by City and Seller. Seller may not assign this Agreement or use subcontractors to provide the Goods and/or Services without City's prior written consent. Seller shall not be entitled to any claim for extras of any kind or nature.
27. **Multiple Counterparts.** This Agreement may be executed in several counterparts, each of which shall be deemed an original, but which together shall constitute one and the same instrument.
28. **Interpretive Matters and Definitions.** The following interpretive matters shall be applicable to this Agreement:
- 28.1 Unless the context otherwise requires: (a) all references to Sections are to Sections of or to this Agreement; (b) each term defined in this Agreement has the meaning assigned to it; (c) "or" is disjunctive but not necessarily exclusive; (d) words in a singular include the plural and vice versa. All references to "\$" or to dollar amounts shall be in lawful currency of the United States of America;
- 28.2 No provision of this Agreement will be interpreted in favor of, or against, any of the parties hereto by reason of the extent to which such party or its counsel participated in the drafting thereof or by reason of the extent to which any such provision is inconsistent with any prior draft hereof or thereof;
- 28.3 Any reference to any applicable laws shall be deemed to refer to all rules and regulations promulgated thereunder and judicial interpretations thereof, unless the context requires otherwise;
- 28.4 The word "including" means "including, without limitation" and does not limit the preceding words or terms; and
- 28.5 All words used in this Agreement shall be construed to be of such gender, number or tense as circumstances require.
29. **Equal Employment Opportunity.** Each bidder agrees to comply with all applicable laws regarding equal employment opportunity and nondiscrimination.
30. **Authority to Bind.** The undersigned individual states that s/he has authority to bind Seller to this Agreement, that s/he has read and understands the terms of this Agreement, and that Seller agrees to be bound by this Agreement and its incorporated documents.



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IMPORTANT NOTE: This document must be signed by the proper person as set forth in Instructions, Terms and Conditions for Bidders, paragraph 4. FAILURE TO SUBMIT PROPERLY AUTHORIZED SIGNATURE MAY RESULT IN YOUR BID BEING REJECTED AS NONRESPONSIVE.

IN WITNESS WHEREOF, this Agreement has been executed in multiple copies on the dates set forth below to be effective during the period recited above.

Seller Company Name: _____

Sign Here ► _____

ATTEST:

Printed Name: _____

Title: _____

Corporate Secretary

Date: _____

Company Name/Address [Please Print] _____ Address _____ City _____ State _____ Zip Code _____

() - () -
Telephone Number _____ Fax Number _____ Email Address _____

**CITY OF TULSA, OKLAHOMA,
a municipal corporation,**

ATTEST:

By: _____
Mayor

City Clerk

Date: _____

APPROVED:

Assistant City Attorney



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FORM #3

INTEREST AFFIDAVIT

STATE OF _____)

)ss.

COUNTY OF _____)

I, _____, of lawful age, being first duly sworn, state that I am the agent authorized by Seller to submit the attached Bid. Affiant further states that no officer or employee of the City of Tulsa either directly or indirectly owns a five percent (5%) interest or more in the Bidder's business or such a percentage that constitutes a controlling interest. Affiant further states that the following officers and/or employees of the City of Tulsa own an interest in the Bidder's business which is less than a controlling interest, either direct or indirect.

By: _____
Signature

Title: _____

Subscribed and sworn to before me this _____ day of _____, 20_____.

Notary Public

My Commission Expires: _____

Notary Commission Number: _____

County & State Where Notarized: _____

The Affidavit must be signed by an authorized agent and notarized



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**FORM #4
NON-COLLUSION AFFIDAVIT**

(Required by Oklahoma law, 74 O.S. §85.22-85.25)

STATE OF _____)

)ss.

COUNTY OF _____)

I, _____, of lawful age, being first duly sworn, state that:
(Seller's Authorized Agent)

1. I am the authorized agent of Seller herein for the purposes of certifying facts pertaining to the existence of collusion between and among Bidders and municipal officials or employees, as well as facts pertaining to the giving or offering of things of value to government personnel in return for special consideration in the letting of any contract pursuant to the Bid to which this statement is attached.
2. I am fully aware of the facts and circumstances surrounding the making of Seller's Bid to which this statement is attached, and I have been personally and directly involved in the proceedings leading to the submission of such Bid; and
3. Neither the Seller nor anyone subject to the Seller's direction or control has been a party:
 - a. to any collusion among Bidders in restraint of freedom of competition by agreement to Bid at a fixed price or to refrain from Bidding,
 - b. to any collusion with any municipal official or employee as to quantity, quality, or price in the prospective contract, or as to any other terms of such prospective contract, nor
 - c. in any discussions between Bidders and any municipal official concerning exchange of money or other thing of value for special consideration in the letting of a contract.

By: _____
Signature

Title: _____

Subscribed and sworn to before me this _____ day of _____, 20_____.

Notary Public

My Commission Expires: _____

Notary Commission Number: _____

County & State Where Notarized: _____

The Affidavit must be signed by an authorized agent and notarized



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FORM #5

AFFIDAVIT OF CLAIMANT

STATE OF _____)

)ss.

COUNTY OF _____)

The undersigned person, of lawful age, being first duly sworn on oath, says that all invoices to be submitted pursuant to this agreement with the City of Tulsa will be true and correct. Affiant further states that the work, services or material furnished will be completed or supplied in accordance with the plans, specifications, orders, requests and/or contract furnished or executed by the affiant. Affiant further states that (s)he has made no payment directly or indirectly to any elected official, officer or employee of the City of Tulsa or of any public trust where the City of Tulsa is a beneficiary, of money or any other thing of value to obtain payment of the invoice or procure the contract or purchase order pursuant to which an invoice is submitted. Affiant further certifies that (s)he has complied with all applicable laws regarding equal employment opportunity.

Company: _____

Remit to
Address: _____

City, State
Zip: _____

Phone: _____

Name (print): _____

Signature: _____

Title: _____

Subscribed and sworn to before me this _____ day of _____, 20__.

Notary Public

My commission expires: _____

My commission number: _____

County and State where notarized: _____

The Affidavit must be signed by an authorized agent and notarized



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FORM #6

ACKNOWLEDGMENT OF RECEIPT OF ADDENDA/AMENDMENTS

I hereby acknowledge receipt of the following addenda or amendments, and understand that such addenda or amendments are incorporated into the Bid Packet and will become a part of any resulting contract.

List Date and Title/Number of all addenda or amendments: (Write "None" if applicable).

Sign Here ▶

Printed Name: _____

Title: _____

Date: _____



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INSTRUCTIONS, TERMS AND CONDITIONS FOR BIDDERS

1. **PURCHASING AUTHORITY.** City issues this Invitation For Bid pursuant to Tulsa City Charter, Art. XII, §14 and Tulsa Revised Ordinances, Title 6, Ch. 4, the provisions of which are incorporated herein.
2. **DEFINITIONS.** The following terms have the following meanings when used in the documents comprising this Bid Packet.
 - A. **“Acceptance”** with respect to a Bid shall mean the City’s selection of a Bid, and award of a contract to the Bidder/Seller.
 - B. **“Acceptance”** with respect to delivery of Goods and/or Services provided under a Purchase Agreement shall mean City’s written acknowledgement that Seller has satisfactorily provided such Goods and/or Services as required.
 - C. **“Addenda” “Addendum” or “Amendment(s)”** shall mean a clarification, revision, addition, or deletion to this Invitation For Bid by City which shall become a part of the agreement between the parties.
 - D. **“Authorized Agent”** means an agent who is legally authorized to bind the Seller under the law of the State in which the Seller is legally organized. An Authorized Agent must sign all documents in the Bid Packet on behalf of the Seller. Under Oklahoma law, the Authorized Agent for each of the following types of entities is as stated below:
 - **Corporations** – the president, vice president, board chair or board vice chair can sign; others can sign if they have and provide the City with (i) a corporate resolution giving them authority to bind the Seller, and (ii) a recent corporate secretary’s certificate indicating the authority is still valid.
 - **General Partnerships** – any partner can sign to bind all partners.
 - **Limited Partnerships** – the general partner must sign.
 - **Individuals** – no additional authorization is required, but signatures must be witnessed and notarized.
 - **Sole Proprietorship** – the owner can sign. Any other person can sign if s/he provides a recent Power of Attorney, signed by the owner, authorizing him/her to bind the sole proprietorship.
 - **Limited Liability Company (LLC)** – The manager as named in the Operating Agreement can sign. Any person authorized by the Operating Agreement or a member can sign providing the person submits a copy of the authorization with a certificate of the members indicating the authorization is still valid.Entities organized in States other than Oklahoma must follow the law of the State in which they are organized.
 - E. **“Bid”** means the Seller’s offer to provide the requested Goods and/or Services set forth in Exhibit A and any additional materials or information the Seller chooses to submit to support the Bid.
 - F. **“Bidder”** means the legal entity which submits a Bid for consideration by City in accordance with the Invitation For Bid.
 - G. **“Bid Packet”** consists of the following documents (1) the Notice of Invitation for Bid, (2) the Summary Sheet, (3) Form #1, (4) Form #2, (5) Form #3, (6) Form #4, (7) Form #5, (8) Form #6, (9) the Instructions, Terms and Conditions for Bidders, (10) Special Requirements, (11) Technical Specifications, and (12) Exhibit A.
 - H. **“Bid Submission Date”** shall mean the last date by which the City will accept Bids for an Invitation For Bid.
 - I. **“City”** shall mean the City of Tulsa, Oklahoma.
 - J. **“Days”** shall mean calendar days unless specified otherwise.
 - K. **“Primary Seller”** shall mean the Seller whose Bid City selected as the principal supplier of the Goods and/or Services required under this Agreement.
 - L. **“Project Buyer”** shall mean the City’s employee assigned to serve as the contact person for Bidders/Sellers responding to Invitations For Bid or completing contracts herein.
 - M. **“Purchasing Division or Office”** shall mean the City of Tulsa’s Purchasing Division, located at 175 East 2nd Street, 15th Floor, Tulsa, Oklahoma 74103
 - N. **“Secondary Seller”** shall mean the Seller whose Bid City selected as a back-up supplier in the event the Primary Seller is unable to provide all the Goods and/or Services required.



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- O. **“Seller”** shall mean the Bidder whose Bid City selected and awarded a contract.
- P. **“You” or “Your”** shall mean the Bidder responding to this Invitation For Bid or the Seller whose Bid the City selected and awarded a contract.
- Q. **“Website”** shall mean the City of Tulsa’s website for the Purchasing Division: www.cityoftulsapurchasing.org.
3. **QUESTIONS REGARDING INVITATION FOR BID.** Questions regarding any portion of this Invitation For Bid must be submitted in writing (sent by mail, fax or email) to the Project Buyer indicated on the Summary Sheet herein. You should submit questions as early as possible and preferably before the pre-Bid conference. Questions and concerns must be received no later than ten (10) days prior to the Bid Packet due date. Any oral responses to questions before the contract is awarded are not binding on City. At City’s discretion, any information or clarification made to you may be communicated to other Bidders that notified City of their intent to Bid if appropriate to ensure fairness in the process for all Bidders. You must not discuss questions regarding the Invitation For Bid with anyone other than the Project Buyer or other Purchasing Division staff or your Bid may be disqualified, any contract recommendation or Acceptance may be rescinded, or any contract may be terminated and delivered Goods returned at your expense and City refunded any payments made.
4. **ORAL STATEMENTS.** No oral statements by any person shall modify or otherwise affect the provisions of this Invitation For Bid and/or any contract resulting therefrom. All modifications, addenda or amendments must be made in writing by City’s Purchasing Division.
5. **EXAMINATION BY BIDDERS.** You must examine the specifications, drawings, schedules, special instructions and the documents in this Bid Packet prior to submitting any Bid. Failure to examine such documents and any errors made in the preparation of such Bid are at your own risk.
6. **ADDENDA OR AMENDMENTS TO INVITATIONS FOR BID.** City may addend or amend its Invitation For Bid at any time before the Bid Submission Date, and any such addenda or amendments shall become a part of this Agreement. City will attempt to send a notification (by fax or email) of any addenda or amendments to those Bidders who have responded to the City’s Project Buyer of their intent to respond to the Invitation For Bid. However, it is your responsibility to inquire about any addenda or amendments, which will be available from the City’s Purchasing Division and its website. You must acknowledge receipt of any addenda or amendments by signing and returning the Acknowledgment of Receipt of Addenda/Amendments form and attaching it to this Invitation For Bid with your Bid. City may reject any Bid that fails to acknowledge any addenda or amendments.
7. **SPECIFICATIONS/DESCRIPTIVE TERMS/SUBSTITUTIONS.** Unless the term “no substitute” is used, the City’s references to a brand name, manufacturer, make, or catalogue designation in describing an item in this Bid Packet does not restrict you to that brand or model, etc. The City may make such references to indicate the type, character, quality and/or performance equivalent of the item desired. However, you are required to furnish the exact item described in your Bid unless a proposed substitution is clearly noted and described in the Bid.
- The parties recognize that technology may change during the period Bids are solicited and subsequent contracts are performed. Therefore, City may at its option accept changes or substitutions to the specifications for Goods of equal or better capabilities at no additional cost to City. In the case of existing contracts, you shall give City 30 days advance notice in writing of any such proposed changes or substitutions. City shall determine whether such items are acceptable as well as any proposed substitute.
- All Goods shall be new unless otherwise so stated in the Bid. Any unsolicited alternate Bid, or any changes, insertions, or omissions to the terms and conditions, specifications, or any other requirements of this Bid, may be considered non-responsive and the Bid rejected.
8. **PRICES/DISCOUNTS.** Prices shall be stated in the units and quantity specified in the Bid Packet documents. In case of discrepancy in computing the Bid amount, you guarantee unit prices to be correct and such unit prices will govern. Prices shall include transportation, delivery, packing and container charges, prepaid by you to the destination specified in the Specifications. Discounts for prompt payment will not be considered in Bid evaluations, unless otherwise specified. However, offered discounts for prompt payment will be taken if payment is made within the discount period.
9. **DELIVERY.** All prices quoted shall be based on delivery F.O.B. Tulsa, Oklahoma or to any other points as may be designated in the Technical Specifications, with all charges prepaid by Seller to the actual point of delivery. Bids must state the number of days required for delivery under normal conditions.



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10. **TAXES.** City is exempt from federal excise and state sales taxes and such taxes shall not be included in the Bid prices.
11. **BID SUBMISSION.** The Bid Packet forms must be prepared in the name of Bidder and properly executed by an Authorized Agent with full knowledge and acceptance of all provisions, in ink and notarized. Bids may not be changed or withdrawn after the deadline for submitting Bids (the "Bid Submission Date"). A Bid is an irrevocable offer and when accepted by City (as evidenced by City's execution of the Purchase Agreement) shall constitute a firm contract.
- A. BIDS MUST BE SUBMITTED ONLY ON THE BID PACKET FORMS AND SIGNED BY AN AUTHORIZED AGENT. THE ENTIRE BID PACKET MUST BE RETURNED AS RECEIVED WITH ALL FORMS COMPLETED. YOU MAY ATTACH, AFTER EXHIBIT A, ANY DOCUMENTS NECESSARY TO COMPLETELY AND ACCURATELY RESPOND TO THE REQUEST. BIDS MUST BE IN STRICT CONFORMANCE WITH ALL INSTRUCTIONS, FORMS, AND SPECIFICATIONS CONTAINED IN THIS BID PACKET.**
- B.** Sealed Bids may be either mailed or delivered, but must be received at:
City of Tulsa – Office of City Clerk
175 East 2nd Street, Suite 260
Tulsa, Oklahoma 74103
- C.** Bids will be accepted at the above address from 8:00 a.m. to 5:00 p.m., Monday thru Friday except for City holidays. City is not responsible for the failure of Bids to be received by the City Clerk's Office prior to the due date and time.
- D.** Late Bids will be **rejected**. The Purchasing Agent, in his sole discretion, may make exceptions only for the following reasons:
1. City Hall closed for business for part or all of the day on the date the response was due;
 2. If the City deems it appropriate due to large-scale disruptions in the transportation industry that may have prevented delivery as required.
 3. If documented weather conditions caused the late delivery. You must provide documentation of such weather to the satisfaction of the Purchasing Agent.
- E.** **City will not accept faxed Bids**, nor will City accept Bids faxed to the City Clerk, Purchasing Division or Office, or any other City office or employee.
- F.** City is not responsible for any of your costs in preparing the Bid response, attending a pre-Bid conference, or any other costs you incur, regardless of whether the Bid is submitted, accepted or rejected.
- G.** All Bids must be securely sealed and plainly marked with the Bid Number, Bid Title, and Bid Opening Date on the lower left corner of the outside of the Bid envelope. Your name and address must also be clearly indicated on the envelope.
- H.** If submitting multiple options ("Option(s)") to the Invitation for Bid, each will be considered separately requiring each response to be complete and accurate. Each Option must be clearly marked as Option 1 of 3, Option 2 of 3, etc.
- I.** The number of copies you must submit is listed on the Summary Sheet in the front of the Bid Packet. However, at a minimum, there will be (1) an original, clearly labeled as such in 1" red letters on the Bid Packet cover page, and (2) a copy for City's Purchasing Division, clearly labeled as such in 1" red letters on the Bid Packet cover page. If binders are used, they must also be labeled.
- J.** Multiple boxes or envelopes are permissible, but must not weigh more than 50 pounds. Each box must be labeled as instructed herein and numbered (i.e., Box 1 of 3; Box 2 of 3). **The original must be in Box #1.**
- K.** The original and all copies (either paper or electronic) must be identical in all respects. Bids must be completed and submitted in ink or typewritten. Bids written in pencil will be rejected. Any corrections to the Bids must be initialed in ink.
12. **BID REJECTION OR WITHDRAWAL.**
- A. City may reject any or all Bids, in whole or in part.
 - B. **A Bid may be rejected if it contains additional terms, conditions, or agreements that modify the requirements of this Invitation For Bid or attempts to limit Bidder's liability to the City.**
 - C. A Bid may be rejected if Bidder is currently in default to City on any other contract or has an outstanding indebtedness of any kind to City.
 - D. City reserves the right to waive any formalities or minor irregularities, defects, or errors in Bids.
 - E. Bid withdrawal may only be accomplished by an Authorized Agent requesting the withdrawal in person at the City Clerk's office before the City's close of business on the Bid Submission Date.
13. **BID RESULTS.** A tabulation of Bids received will be made available on the City's Purchasing Division website generally within 5 working days after the Bid Opening Date. After a contract award is recommended to the Mayor, a copy of the Bid summary will be available in the City Clerk's Office. Bid results are not provided in response to telephone or email inquiries.
14. **PURCHASE ORDER.** In the event that the successful Bid is for an amount less than One Hundred Thousand Dollars (\$100,000), and it is determined by the City to be in the best interests of the City, the City, in its sole discretion, may issue a Purchase Order rather than execute the Purchase Agreement to purchase the Goods. If a Purchase Order is issued, however, the terms of the Bid Packet documents, including the Purchase Agreement, will govern the transaction and be enforceable by the City and Bidder/Seller.



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15. **CONTRACT AWARD.** If a contract is awarded, it will be awarded to the Bidder that City determines is the lowest secure Bidder meeting specifications. Such Bid analysis will consider price and other factors, such as Bidder qualifications and financial ability to perform the contract, as well as operating costs, delivery time, maintenance requirements, performance data, history of contract relations with City, and guarantees of materials and equipment, as applicable. A complete list of the factors that are considered is set forth in Tulsa Revised Ordinances, Title 6, Ch. 4, §406E. Unless otherwise noted, City reserves the right to award a contract by item, one or more groups of items, or all the items in the Bid, whichever is in City's best interest.
16. **IRS FORM W-9.** If City selects your Bid and awards a contract to you, you will have ten (10) days from notification of the award to provide City with your complete IRS Form W-9.
17. **NOTICE TO PROCEED.** If City accepts your Bid and executes the Purchase Agreement, you shall not commence work until authorized to do so by the Purchasing Agent or his representative. Receipt of a Purchase Order from the City is notice to proceed.
18. **PAYMENTS.** Invoices should be e-mailed to City of Tulsa – Accounts Payable at:

apinvoices@cityoftulsa.org

Payment will be made Net 30 days after receipt of a properly submitted invoice or the City's Acceptance of the Goods and/or Services, whichever is later, unless City decides to take advantage of any prompt payment discount included in the Bid.

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6. **References.** If the box is checked "Yes," References are required(3):

Yes: No:

7. **Purchase Card:** Is the City of Tulsa Purchasing Card acceptable (This is a Visa):

Yes: No:

For each reference, the following information must be included: Company Name, Contact Name, Address, Phone Number, E-Mail Address, and the nature of their relationship with the Bidder.

Company Name:	_____
Contact Name:	_____
Address:	_____
Phone Number:	_____
Email Address:	_____
Description of Product(s) Provided:	_____
Company Name:	_____
Contact Name:	_____
Address:	_____
Phone Number:	_____
Email Address:	_____
Description of Product(s) Provided:	_____
Company Name:	_____
Contact Name:	_____
Address:	_____
Phone Number:	_____
Email Address:	_____
Description of Product(s) Provided:	_____

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TECHNICAL SPECIFICATIONS

1.0 Scope

1.1 It is the intent to procure only that type of chemical known as organic polymer which is synthetic, high molecular weight, water soluble polyelectrolytes manufactured specifically as flocculants for applications in wastewater treatment. Under this Agreement the successful bidder shall furnish and deliver sludge conditioning chemical (organic polymer flocculent) in returnable totes of liquid polymer for use in rotary drum thickeners (RDT's) at the Southside Wastewater Treatment plant and the Haikey Creek Treatment Plant. This Agreement shall allow up to four, one-year annual renewals.

1.2 Only liquid emulsions polymer are acceptable. No other forms will be allowed, such as dry powders, solutions or mannichs.

1.3 Bidders must be a recognized distributor of the product offered and shall have been in the business of polymer sales for a minimum of five years. Prospective bidders will provide references from a minimum of three (3) wastewater treatment facilities of 10 MGD or larger, where the proposed product is in use. References shall include contact names and telephone numbers. Eligibility is further limited to those products that have been previously tested in on-site plant trials and are proven to meet or exceed the plant performance specifications.

1.4 The City reserves the right to reject any and all bids and to waive any informality in bids received whenever such rejection or waiver is in the best interest of the City.

1.5 Bidders shall be familiar with WAS thickening and skilled in the use of the proposed product.

1.6 Product bids submitted without meeting the pre-qualification requirements (Section 6.0 and 8.0) will be rejected.

2.0 End Use Description

2.1 Polymer will be used to facilitate waste activated sludge (WAS) thickening at the Southside Wastewater Treatment Plant (WWTP). The plant permitted capacity is 42 MGD and utilizes primary and secondary treatment. WAS is thickened in rotary drum thickeners before transfer to anaerobic digesters. The thickening equipment consists of three (3) Parkson Corporation – Hycor ThickTech RDT400 units. Each rotary drum thickener (RDT) has a dedicated Seepex brand progressive cavity, polymer metering pump and a calibration column. Secondary dilution water, with rotameter control is available.

2.2 The Haikey Creek WWTP is a 16 MGD facility utilizing extended stay aeration plus secondary treatment. Waste activated sludge (WAS) is thickened in rotary drum thickeners before transfer to a holding tank. The thickening equipment consists of two (2) Parkson Corporation – Hycor ThickTech RDT400 units. Each rotary drum thickener (RDT) has a dedicated Moyno brand progressive cavity, polymer metering pump and a calibration column. Secondary dilution water, with rotameter control is available.

3.0 General Information on Polymer Trials

3.1 Southside WWTP

3.11 The RDT facility is equipped with a US Filter Polyblend model # SP60102186 polymer feed unit. The neat polymer and blended polymer are both pumped by positive displacement pumps. The system is capable of automatic and manual operation and will automatically wet, blend and mix each batch at specified strengths and intervals.

3.12 Bidders will be allowed to test liquid in preliminary bench tests.

3.13 Bidders will be allowed to test one liquid polymer product in full-scale rotary drum trials.



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3.14 A full-scale trial shall run for four hours. Once the full-scale trial is initiated, the selected polymer must be capable of meeting performance criteria over the course of the trial with **NO** adjustments to controls, settings or operations variables.

3.15 Bidder will prepare a working polymer solution by manually measuring and dosing neat liquid emulsion polymer into the 800 gallon polymer mixing tank.

3.16 The concentration of working solution shall be between 0.25 to 1.0 percent active polymer. The working solution shall be mixed and aged a minimum of 30 minutes before use and mixing will continue for the duration of full-scale trial.

3.2 Haikey Creek WWTP

3.21 The RDT facility is equipped with a US Filter Polyblend model # SP60102186 polymer feed unit. The neat polymer and blended polymer are both pumped by progressive cavity pumps. The system is capable of automatic and manual operation and will automatically wet, blend and mix each batch at specified strengths and intervals.

3.22 Bidders will be allowed to test liquid in preliminary bench tests.

3.23 Bidders will be allowed to test one liquid polymer product in full-scale rotary drum trials.

3.24 A full-scale trial shall run for four hours. Once the full-scale trial is initiated, the selected polymer must be capable of meeting performance criteria over the course of the trial with **NO** adjustments to controls, settings or operations variables.

3.25 Bidder will prepare a working polymer solution by manually measuring and dosing neat liquid emulsion polymer into the 800 gallon polymer mixing tank.

3.26 The concentration of working solution shall be between 0.25 to 1.0 percent active polymer. The working solution shall be mixed and aged a minimum of 30 minutes before use and mixing will continue for the duration of full-scale trial.

4.0 Polymer Performance Criteria

4.1 The required performance under this Agreement for the Southside WWTP is as follows:

- a.) RDT minimum sludge feed rate (gpm): 200
- b.) Minimum product solids (percent): 4.25
- c.) Filtrate suspended solids (mg/L): less than 250
- c.) The range of concentration of feed solids (TS, %): 0.32% to 0.7%

4.2 The required performance under this Agreement for the Haikey Creek Treatment Plant is as follows:

- a.) RDT minimum sludge feed rate (gpm): 250
- b.) Minimum product solids (percent): 6.0
- c.) Filtrate suspended solids (mg/L): less than 250
- c.) The range of concentration of feed solids (TS, %): 0.32% to 3.0%

4.3 Throughout the term of the Agreement, cost performance must be maintained within 10 percent of pre-bid pre-qualifications testing value as specified per Section 4.1 and 4.2.



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4.4 If during the term of the Agreement, the product will not produce results within 10 percent of the pre-bid pre-qualification testing value, the City reserves the right to terminate the Agreement. Prior to this action, the Bidder will be offered the opportunity to assist the plant staff by making suggestions for improving operations and performance.

4.5 The Seller shall also have the right to change products to maintain the cost performance levels on which basis the Agreement was awarded. At no time shall the cost per pound for a substitute product increase the City's cost per dry ton of sludge processed.

4.6 If the supplied product at any time exceeds 10 percent of the pre-bid pre-qualification testing values and fails to facilitate the thickening process, then the Seller shall be required to make emergency delivery of a minimum of one tote of product within 48 hours of notice. The Seller shall exchange the new product for the failed product at no additional cost.

5.0 Deliveries

5.1 Deliveries to the Southside WWTP shall be made upon order at any time after the City executes a formal Agreement. Orders for material will be placed for minimum quantities of four (4) tote liquid containers. The volume of returnable totes shall be within the range of 250 to 275 gallons. Delivery shall be made within ten (10) calendar days after placing an order.

5.2 Deliveries to the Haikey Creek WWTP shall be made upon order at any time after the City executes a formal Agreement. Orders for material will be placed for minimum quantities of four (4) tote liquid containers. The volume of returnable totes shall be within the range of 250 to 275 gallons. Delivery shall be made within ten (10) calendar days after placing an order.

5.3 **All shipments shall be accompanied by the following:**

- a) Shipping Invoice
- b) Material Safety Data Sheet (MSDS)

5.4 Seller shall receive back full loads of drained totes (not washed) at no additional cost to the city.

6.0 Polymer Evaluation Procedures for Southside Plant: Phase One - Bench Tests

6.1 The Bidder shall call and schedule an appointment with Joshua Fisher to perform laboratory bench tests to determine your choice of product for RDT Trials. Mr. Fisher can be reached at (918)-591-4450.

6.2 The City of Tulsa will allow each Bidder four (4) hours (8:00 am to noon) to review the application, perform bench tests and select a polymer for RDT Trials. Lab space only will be provided by the City. Bidder must provide test equipment.

6.3 **All bench tests for Southside WWTP must be completed by noon on April 26, 2019** Any attempts to schedule after this deadline will be declined and the Bidder will be disqualified from participating in the bid process.

6.4 The product(s) selected for RDT Trial(s) shall be announced by fax transmittal and email.

Send to: Mr. Joshua Fisher
Superintendent
Southside Wastewater Treatment Plant
jfisher@cityoftulsa.org
FAX#: (918)-699-3985

6.5 Included with the product selected, attach the following information:

1. List polymer form/type name.
2. Are you: manufacturer, blender or Seller of the product selected?
3. What is the address of manufacturing facility?
4. Reference three (3) facilities (per Scope-Section 1.3)



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5. List the percent active solids content in the polymer selected.
6. List the shelf life.
7. List the specific gravity and weight per gallon.
8. Enclose the product material safety data sheet.

The above information must be submitted by 4pm on **May 3, 2019**. Bidders will also need to include this information with their bid submittal.

7.0 On-Site Polymer Evaluation Procedures for Southside Plant: Phase Two – RDT Trials

7.1 Upon receipt of selected product information (Phase One, 6.4 & 6.5), calls to schedule full-scale, RDT trials will be accepted. Trials will be scheduled by Mr. Fisher. He can be reached at (918) 591-4450. The deadline to schedule an RDT trial is **May 17, 2019**. Attempts to schedule trials after this date will be rejected and the Bidder will be disqualified from participating in the bid process.

7.2 **Southside Plant Phase 2 trials will conclude June 7, 2019.**

7.3 Trial Procedures:

7.3.1 Rotary Drum trials will be for a four (4) hour duration, at a time chosen by the City. The Bidder will be allowed to use up to one hour for polymer make-up and one hour for optimization prior to the two hour testing period.

7.3.2 Rotary drum trials are limited to one liquid product.

7.3.3 Operational variables on the RDT's are drum speed, floc tank mixer speed, post dilution water, polymer concentration, polymer feed rate and sludge feed rate. Operational variables must be established prior to onset of test. Once the two-hour trial is initiated, no further adjustments to controls, settings or operations variables will be allowed other than to maintain steady state conditions

7.3.4 All adjustments made or samples taken, etc. will be completed under supervision of plant personnel.

7.3.5 Samples will be taken every 30 minutes during the two hour trial for a total of four samples. These samples will be composited to obtain an average result at the end of the trial run. Samples will be analyzed at the City's Quality Assurance laboratory. Sample times along with trial start and stop times must be recorded. The following samples will be taken:

Sample Analysis

Sludge Feed concentration	Total Solids (percent)
Product output (TWAS)	Total Solids (percent)
Filtrate water	Total Suspended Solids (mg/L)

7.3.6 The following information will be taken every 30 minutes:

- Sludge feed rate (gpm)
- Polymer flow rate (polymer drawdown and % pump speed)
- Drum speed (rpm)
- Post dilution water (gpm)

7.3.7 Samples for lab analysis will be grab samples taken in the following manner:

- Sludge feeds: From sample port on sludge feed pump
- Product (output): From center portion of drum discharge
- Filtrate: From the 6-inch drain line adjacent the rotary drum.

7.4 The plant expects that the polymer product selected under this bid will operate efficiently over the range of feed sludge



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concentrations described (Section 4.1). In the event that lab results from the composite sample of feed solids (Section 7.3.5) fall outside this range, the Bidder will be allowed to re-trial at his discretion. Equipment failures will also be grounds for a re-trial. A request to re-trial must be made within one week of trial completion. The request must be made by fax transmittal per Section 6.4. Re-trials will be scheduled by the City.

7.5 The plant has the right to terminate any test if product performance is causing plant upset. If this happens, the Bidder is disqualified from the bidding process.

7.6 It is the Bidder's responsibility to assure enough polymer is supplied to run for a four hour period, assuming one hour for make-up time and one hour for optimization. The sludge feed rate can be reduced if the solids feed concentration exceeds 0.7%, however the throughput must be at least 320 lbs/hr for a valid test. The polymer shall be sent to the attention of Joshua Fisher at the same address as the phase one information packet.

8.0 Polymer Evaluation Procedures for Haikey Creek Plant: Phase One - Bench Tests

8.1 The Bidder shall call and schedule an appointment with Leon Hobson to perform laboratory bench tests to determine your choice of product for RDT Trials. Mr. Hobson can be reached at (918)-596-7152.

8.2 The City of Tulsa will allow each Bidder four (4) hours (8:00 am to noon) to review the application, perform bench tests and select a polymer for RDT Trials. Lab space only will be provided by the City. Bidder must provide test equipment.

8.3 **All bench tests for Haikey Creek Plant must be completed by noon on April 26, 2019.** Any attempts to schedule after this deadline will be declined and the Bidder will be disqualified from participating in the bid process.

8.4 The product(s) selected for RDT Trial(s) shall be announced by fax transmittal and email.

Send to: Mr. Leon Hobson
Operations Supervisor
Haikey Creek Wastewater Treatment Plant
LHOBSON@cityoftulsa.org
FAX#: (918) 596-7158

8.5 Included with the product selected, attach the following information:

1. List polymer form/type name.
2. Are you: manufacturer, blender or Seller of the product selected?
3. What is the address of manufacturing facility?
4. Reference three (3) facilities (per Scope-Section 1.3)
5. List the percent active solids content in the polymer selected.
6. List the shelf life.
7. List the specific gravity and weight per gallon.
8. Enclose the product material safety data sheet.

The above information must be submitted by 4pm on May 3, 2019.

9.0 On-Site Polymer Evaluation Procedures for Haikey Creek Plant: Phase Two – RDT Trials

9.1 Upon receipt of selected product information (Phase One, 8.4 & 8.5), calls to schedule full-scale, RDT trials will be accepted. Trials will be scheduled by Mr. Hobson. He can be reached at (918) 596-7152. The deadline to schedule an RDT trial is **May 17, 2019**. Attempts to schedule trials after this date will be rejected and the Bidder will be disqualified from participating in the bid process.



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9.2 Haikey Creek Plant Phase 2 trials will conclude **June 7, 2019.**

9.3 Trial Procedures:

9.3.1 Rotary Drum trials will be for four (4) hour duration, at a time chosen by the City. The Bidder will be allowed to begin polymer make-up one hour prior to initial use and will be given one hour for RDT optimization prior to testing.

9.3.2 Rotary drum trials are limited to one liquid product.

9.3.3 Operational variables on the RDT's are drum speed, floc tank mixer speed, post dilution water, polymer concentration, polymer feed rate and sludge feed rate. Operational variables must be established prior to onset of test. Once the two-hour trial is initiated, no further adjustments to controls, settings or operations variables will be allowed.

9.3.4 All adjustments made or samples taken, etc. will be completed under supervision of plant personnel.

9.3.5 Samples will be taken every 30 minutes during the two hour trial for a total of four samples. These samples will be composited to obtain an average result at the end of the trial run. Samples will be analyzed at the City's Quality Assurance laboratory. Sample times along with trial start and stop times must be recorded. The following samples will be taken:

Sample Analysis

Sludge Feed concentration	Total Solids (percent)
Product output (TWAS)	Total Solids (percent)
Filtrate water	Total Suspended Solids (mg/L)

9.3.6 The following information will be taken every 30 minutes:

- Sludge feed rate (gpm)
- Polymer flow rate (% pump speed)
- Drum speed (rpm)
- Post dilution water (gpm)

9.3.7 Samples for lab analysis will be grab samples taken in the following manner:

- Sludge feeds: From sample port on sludge feed pump
- Product (output): From center portion of drum discharge
- Filtrate: From the 6-inch drain line adjacent the rotary drum.

9.4 The plant expects that the polymer product selected under this bid will operate efficiently over the range of feed sludge concentrations described (Section 4.2). In the event that lab results from the composite sample of feed solids (Section 9.3.5) fall outside this range, the Bidder will be allowed to re-trial at his discretion. Equipment failures will also be a grounds for a re-trial. A request to re-trial must be made within one week of trial completion. The request must be made by fax transmittal per Section 8.4. Re-trials will be scheduled by the City.

9.5 The plant has the right to terminate any test if product performance is causing plant upset. If this happens, the Bidder is disqualified from the bidding process.

10.0 Trial Polymer Quantities

10.1 It is the Bidders responsibility to assure enough polymer is supplied to run for a four hour period, assuming one hour for make-up time and one hour for optimization. The sludge rate can be reduced if the solids concentration exceeds



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3.0%, however the throughput must be at least 320 lbs/hr for a valid test. The polymer shall be sent to the attention of Leon Hobson at the same address as the phase one information packet.

10.2 Polymer cost and associated freight will be borne by the Bidder.

11.0 Phase II Trial Calculation – Southside WWTP and Haikey Creek WWTP

11.1 The following formulas shall be used to calculate the results.

$$11.11 \quad \text{gpm Total Filtrate Flow} = (19 \text{ gpm Wash Water}) + (\text{gpm polymer feed}) + ((\text{gpm sludge feed}) \times (1 - \frac{\% \text{TS sludge feed}}{\% \text{TS TWAS}})) + (\text{gpm Post Dilution Water})$$

$$11.12 \quad \% \text{TSS Filtrate Calculated} = \text{TSS Filtrate ppm measured} / 10,000 \times \frac{(\text{gpm Total Filtrate Flow})}{(\text{gpm Total Filtrate flow} - (\text{gpm Wash Water flow} + \text{gpm Post Dilution Flow}))}$$

$$11.13 \quad \% \text{ Total Solids Capture Rate (TSCR)} = \frac{(\% \text{TS TWAS}) \times (\% \text{TS Sludge Feed} - \% \text{TSS Filtrate Calc.})}{(\% \text{TS Sludge Feed}) \times (\% \text{TS TWAS} - \% \text{TSS Filtrate Calc.})} \times 100$$

$$11.14 \quad \text{Total Pounds of Polymer Used (TPPU)} = (\text{gpm polymer feed}) \times (\text{neat specific gravity}) \times (\% \text{polymer feed conc.} / 100) \times (8.34 \text{ lbs./gal.}) \times (\text{trial duration minutes})$$

$$11.15 \quad \text{Dry Tons (DT)} = \frac{(\text{gpm Sludge Feed}) \times (\% \text{TS Sludge Feed} \times 10,000) \times (8.34 \text{ lbs./gal.}) \times (\text{trial duration minutes}) \times (\% \text{TSCR} / 100)}{(2000 \text{ lbs./ton}) \times (694 \text{ gpm/MGD}) \times (1440 \text{ minutes/day})}$$

$$11.16 \quad \text{Pounds of Polymer Used per Dry Ton (lbs. /DT)} = (\text{TPPU}) / (\text{DT})$$

12.0 Basis of Award

12.1 The Agreement will be awarded to the Bidder or Bidders who meets or exceeds the desired performance criteria at the lowest annual estimated cost of sludge solids processed at each separate location. It is possible that one Bidder will be selected to provide the liquid polymer for the Southside WWTP and a separate Bidder selected to provide liquid polymer to the Haikey Creek Plant.



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**EXHIBIT A
BID FORM INCLUDING DELIVERY AND PRICING**

1. Delivery. If your Bid is accepted and a contract is executed, state the number of days you need to deliver the Goods and/or to begin providing Services:

You must be able to deliver the Goods and/or Services as specified in your Bid. Failure to do so may result in City terminating your contract or canceling the Purchase Order, pursuing collection under any performance bond, as well as seeking any other damages to which it may be entitled in law or in equity.

2. Pricing

(ESTIMATED QUANTITIES FOR EVALUATION PURPOSES ONLY)

Item	Description	Manufacturer Name & Part #	Estimate Annual QTY (*)	Unit Cost (**)	Extended Cost
1	Southside WWTP - Pounds of neat polymer required to treat 2,900 dry tons per year of waste activated sludge.		_____	\$ _____	\$ _____
2	Haikey Creek WWTP – Pounds of neat polymer required to treat 2,600 dry tons per year of waste activated sludge.		_____	\$ _____	\$ _____
TOTAL COST NOT TO EXCEED: (All costs must be included or your Bid will be disqualified)			\$ _____		

Footnotes:

- (*) Pounds of neat polymer delivered to site per year as needed to treat the estimated annual quantity of waste activated sludge. Calculation defined as annual pounds of dry sludge multiplied by the pounds of polymer used per dry ton (see Technical Specification Section 11.16).
- (**) Cost per pound of neat polymer delivered to site
- (***) Total annual cost of neat polymer per year (Basis of Award)

3. Annual Price Adjustment. The prices bid for any Goods and/or Services shall not increase during the initial term of the contract. However, if you anticipate that you will not be able to maintain firm prices for any renewal period, a change in price is allowed if the following conditions are met:

- a) You must limit any increase to **one** of the following(indicate your choice):
 1. the change in the Consumer Price Index from BLS Table 1(web link below) from the prior year, as measured by the change in the CPI-U between the most recent month available and that same month in the prior year _____ (place an "X" here if this is your choice)
 2. a fixed percentage you specify _____%
- b) You must notify City, in writing, no later than 30 days before the initial contract period ends, or any renewal period ends, of your intent to exercise the price change formula in your bid. Failure to so notify City may result in City denying any price increases. In no event can the proposed price change exceed that possible under the choice in your bid. Your notice can be sent by certified mail, fax or email.

Note: Any price increase you choose will be included in evaluation of your bid. If you choose the CPI-U, the annual increase used for evaluation will be assumed to equal the change in the CPI-U for the prior year, as described above.

Web Link: <http://www.bls.gov/news.release/cpi.t01.htm>

Bidder's Company Name _____

Authorized Signature Here ► _____

Printed Name: _____

RETURN THIS ENTIRE BID PACKET