

SUBMIT BIDS TO:	CITY OF TUSCALOOSA P.O. BOX 2089 TUSCALOOSA, AL 35403	PURCHASING OFFICE 2201 UNIV. BLVD. TUSCALOOSA, AL 35401	INVITATION TO BID CITY OF TUSCALOOSA								
BID TITLE BULK WATER TREATMENT CHEMICALS (2016)		BID NO. 30010-092216-1									
PAGE 1 OF <u>12</u> PAGES	BIDS WILL BE OPENED AT 2:00 PM ON SEPTEMBER 22, 2016 IN THE OFFICE OF THE PURCHASING AGENT, 2201 UNIVERSITY BLVD. TUSCALOOSA, AL 35401 AND MAY NOT BE WITHDRAWN FOR THIRTY (30) DAYS AFTER SUCH DATE & TIME.		ISSUE DATE 09/08/2016								
 <p style="text-align: center;">MAYOR WALTER MADDOX</p> <p style="text-align: center;">COUNCIL MEMBERS</p> <table border="0" style="width: 100%;"> <tr> <td>PHYLLIS W. ODOM</td> <td>MATTHEW CALDERONE</td> </tr> <tr> <td>HARRISON TAYLOR</td> <td>KIP TYNER</td> </tr> <tr> <td>CYNTHIA LEE ALMOND</td> <td>EDDIE PUGH</td> </tr> <tr> <td>SONYA McKINSTRY</td> <td></td> </tr> </table> <p>CITY CLERK TONY MEGGS</p> <p>PURCHASING AGENT DAVID COGGINS</p>		PHYLLIS W. ODOM	MATTHEW CALDERONE	HARRISON TAYLOR	KIP TYNER	CYNTHIA LEE ALMOND	EDDIE PUGH	SONYA McKINSTRY		<p style="text-align: center;">Vendor Information (SECTION TO BE COMPLETED BY VENDOR)</p> <p>_____</p> <p>Company Name (Please Print)</p> <p>_____</p> <p>Phone Number Fax Number</p> <p>_____</p> <p>Email Address</p> <p>_____</p>	
PHYLLIS W. ODOM	MATTHEW CALDERONE										
HARRISON TAYLOR	KIP TYNER										
CYNTHIA LEE ALMOND	EDDIE PUGH										
SONYA McKINSTRY											

GENERAL CONDITIONS OF INVITATIONS TO BID

1. **PREPARATION OF BIDS**
Bids will be prepared in accordance with the following:
 - (a) Our enclosed Bid Proposal Form is to be used in submitting your bid.
 - (b) All information required by the Bid form shall be furnished. The bidder shall print or type his name and manually sign the schedule and each continuation sheet on which any entry is made.
 - (c) Unit prices shall be shown and where there is an error in extension of price, the unit price shall govern.
 - (d) Proposed delivery time must be shown and shall include Sundays and holidays.
 - (e) Bidder will not include federal taxes nor State of Alabama sales, excise, and use taxes in bid prices as the City is exempt from payment of such taxes. An exemption certificate will be signed where applicable upon request.
 - (f) Bidders shall thoroughly examine the drawings, specifications, schedule, instructions and all other contract documents.
 - (g) Bidders shall make all investigations necessary to thoroughly inform themselves regarding plant and facilities for delivery of material and equipment as required by the bid conditions. No plea of ignorance by the bidder of conditions that exist or that may hereafter exist as a result of failure or omission on the part of the bidder to make the necessary examinations and investigations, or failure to fulfill in every detail the requirements of the contract documents, will be accepted as a basis for varying the requirements of the City or the compensation to the vendor.
 - (h) Bidders are advised that all City Contracts are subject to all legal requirements provided for in the Purchasing ordinance and/or State and Federal Statutes.
2. **DESCRIPTION OF SUPPLIES**
 - (a) Any manufacturer's names, trade names, brand name, or catalog numbers used in specifications are for the purpose of describing and establishing general quality levels. SUCH REFERENCES ARE NOT INTENDED TO BE RESTRICTIVE. Bids will be considered for any brand which meets the quality of the specifications listed for any items.
 - (b) Bidders are required to state exactly what they intend to furnish, otherwise they shall be required to furnish the items as specified.
 - (c) Bidders will submit, with their proposal, data necessary to evaluate and determine the quality of the item(s) they are bidding.
3. **SUBMISSION OF BIDS**
 - (a) Bids and changes thereto shall be enclosed in sealed envelopes addressed to David Coggins, Purchasing Agent, 2201 University Blvd., Tuscaloosa, Alabama. The name and address of the bidder, the date and hour of the bid opening and the material or service bid on shall be placed on the outside of the envelope.
 - (b) Bids must be submitted on the forms furnished. Telegraphic bids will not be considered.
4. **REJECTION OF BIDS**
 - (a) The City may reject a bid if:
 1. The bidder misstates or conceals any material fact in the bid, or if,
 2. The bid does not strictly conform to the law or requirement of bid, or if,
 3. The bid is conditional, except that the bidder may qualify his bid for acceptance by the City on an "all or none" basis, or a "low item" basis. An "all or none" basis bid must include all items upon which bids are invited.
 - (b) The City may, however, reject all bids whenever it is deemed in the best interest of the City. The City may also waive any minor informalities or irregularities in any bid.
5. **WITHDRAWAL OF BIDS**
 - (a) Bids may not be withdrawn after the time set for the bid opening for a period of time as specified.
 - (b) Bids may be withdrawn prior to the time set for the bid opening.

6. LATE BIDS OR MODIFICATIONS

- (a) Bids and modifications received after the time set for the bid opening will not be considered.
- (b) Modifications in writing received prior to the time set for the bid opening will be accepted.

7. CLARIFICATIONS OR OBJECTION TO BID SPECIFICATIONS

If any person contemplating submitting a bid for this contract is in doubt as to the true meaning of the specifications or other bid documents of any part thereof, he may submit to the Purchasing Agent on or before five (5) days prior to scheduled opening a request for clarification. All such requests for information shall be made in writing and the person submitting the request will be responsible for its prompt delivery. Any objection to the specifications and requirements as set forth in this bid must be filed in writing with the Purchasing Agent on or before five (5) days prior to scheduled opening.

8. DISCOUNTS

- (a) Bidders may offer a cash discount for prompt payment; however, such discounts shall NOT be considered in determining the lowest net cost for bid evaluation purposes. Bidders are encouraged to reflect cash discounts in the unit prices quoted.
- (b) In connection with any discount offered, time will be computed from the date of receipt of supplies or services or from the date a correct invoice is received, whichever is the later date. Payment is deemed to be made on the date of mailing of the check.

9. SAMPLES

Samples, when required, must be submitted within the time specified at no expense to the City of Tuscaloosa. If not destroyed or used up during testing, samples will be returned upon request at the bidder's expense, unless stated otherwise in Special Conditions or Specifications. Each individual sample must be labeled with bidder's name and manufacturer's brand name and number.

10. AWARD OF CONTRACT

- (a) The contract will be awarded to the lowest responsible bidder based upon the following factors: quality; conformity with specifications; purpose for which required; terms of delivery; transportation charges; dates of delivery.
- (b) The city reserves the right to accept and award item by item, and/or by group, or in the aggregate, unless the bidder qualifies his bid by specified limitations. Re Par.4(a)3.
- (c) If two or more bids received are for the same total amount or unit price, quality and service being equal, the contract shall be awarded to a local bidder.
- (d) Prices quoted must be FOB Tuscaloosa with all transportation charges prepaid unless otherwise specified in the Invitation to Bid.
- (e) A written award of acceptance (Purchase Order), mailed or otherwise furnished to the successful bidder shall result in a binding contract.

11. DELIVERY

- (a) Deliveries are to be FOB Destination unless otherwise specified in the Invitation to Bids.
- (b) Deliveries are to be made during regular business hours.

12. CONDITION OF MATERIALS AND PACKAGING

All items furnished must be new and free from defects. No others will be accepted under the terms and intent of this bid. All containers shall be new and suitable for storage or shipment, and price bid shall include standard commercial packaging.

13. CLAIMS

Successful bidder(s) will be responsible for making any and all claims against carriers for missing or damaged items.

14. LOCAL, STATE, AND FEDERAL COMPLIANCE REQUIREMENTS

Bidders shall comply with all local, state, and federal directives, orders and laws as applicable to this bid and subsequent contract(s).

15. PROVISION FOR OTHER AGENCIES

Unless otherwise stipulated by the bidder, the bidder agrees when submitting his bid to make available to all City agencies, departments, and in-city municipalities the bid prices he submits, in accordance with the bid terms and conditions, should any said department, agency, or municipality wish to buy under this proposal.

16. COLLUSION

The bidder, by affixing his signature to this proposal, agrees to the following: "Bidder certifies that his bid is made without previous understanding, agreement, or connection with any person, firm, or corporation making a bid for the same items and is in all respects fair, without outside control, collusion, fraud, or otherwise illegal action".

17. VARIANCE IN CONDITIONS

Any and all special conditions and specifications attached hereto which vary from General Conditions shall have precedence.

18. MINORITY / DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

The City of Tuscaloosa has voluntarily adopted a Minority / Disadvantaged Business Enterprise ("MBE/DBE/WBE") Program called Tuscaloosa Builds, which is designed to encourage the participation and development of minority and disadvantaged business enterprises and to promote equal business opportunities to the fullest extent allowed by state and federal law. To learn more about this program, visit <http://www.tuscaloosarecovery.com/blog/category/tuscaloosa-builds/>.

** PRELIMINARY BID TAB WILL BE POSTED ON THE CITY'S WEBSITE ONCE AVAILABLE.

SPECIAL CONDITIONS

The General Conditions of Invitations to Bid and any Special Conditions stated shall be considered as part of the specifications of the bid.

Reference to brand names and numbers is descriptive, but not restrictive, unless otherwise specified. Bids on equivalent items meeting the standards of quality thereby indicated will be considered, providing the bid clearly describes the article offered and indicates how it differs from the referenced brands. **Descriptive literature and manufacturer's specifications plus any supplemental information necessary for comparison purposes must be submitted with the bid or the bid on that item will be rejected.** Reference to literature submitted with a previous bid or on file with the Division of Purchasing will not satisfy this requirement.

The burden is on the bidder to demonstrate that the item bid is equivalent to the item specified in the ITB. Any exceptions taken to any item(s) must be fully explained in written detail on bidders' letterhead and attached to the bid when submitted.

Awards shall be made or contracts entered into with the lowest responsible bidder meeting all specifications and terms and conditions established by the Division of Purchasing. The Division of Purchasing reserves the right to determine the lowest responsible bidder on the basis of an individual item or group of items. Delivery dates may be a factor in awards.

The issuance of a City of Tuscaloosa Purchase Order or Purchasing Card is required to constitute a contract between the vendor and the City of Tuscaloosa, which shall bind the vendor to furnish and deliver the commodities ordered at the prices, terms, and conditions quoted.

The term of this contract shall be for a period of one (1) year, from October 1, 2016 through September 30, 2017.

Questions concerning the bid process should be directed to David Coggins at (205) 248-5186 or dcoggins@tuscaloosa.com (e-mail is preferred). Questions concerning Specifications should be directed to Chris Jarrell at (205) 248-5630 between the hours of 7:00 AM and 3:00 PM, Monday through Friday.

Any addendums issued for this bid will be posted on the City Of Tuscaloosa website at <http://www.tuscaloosa.com/e-services/bids>. It is the responsibility of the bidder to check this page for any addendums before submitting their bid.

Vendor to submit the following:

- Signed Special Conditions page
- Any necessary descriptive literature and/or specifications information as outlined above and in Specifications
- Letter of Certification as requested on Page 4
- Completed and signed Bidder's Response Form

NOTE: Sheet(s) submitted without Company Name & Signature WILL NOT be considered for bid award.

Bid submissions shall be submitted in a sealed envelope and addressed to: David Coggins, Purchasing Agent, 2201 University Blvd., Tuscaloosa, Alabama. The name and address of the bidder, the date and hour of the bid opening and the Bid Title shall be placed on the outside of the envelope.

VENDOR MUST SUBMIT AN ORIGINAL BID AND ONE COMPLETE COPY OR THE BID MAY BE REJECTED.

SPECIFICATIONS

GENERAL INFORMATION

All Chemical shipments shall be shipped FOB Destination to Tuscaloosa by the successful bidder(s). Delivery in Tuscaloosa must be made to the Ed Love Water Treatment Plant, 1125 Jack Warner Parkway Northeast, Tuscaloosa, Alabama, 35404-1056 and/or to the Jerry Plott Water Treatment Plant, 2101 New Watermelon Road, Tuscaloosa, Alabama, 35406. All shipments shall be delivered to the requested location(s) at the exact date and time specified for that order. The time of delivery shall be between the hours of 7:00 AM and 3:00 PM, Tuscaloosa, Alabama time, unless otherwise specified at the time the order is placed. Delivery drivers should call the Ed Love Water Plant at (205) 248-5630 to coordinate delivery.

All Chemicals shall be certified as suitable for contact with and/or the treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects. A letter of certification shall be furnished with bid submission.

A blanket purchase order for each chemical will be issued to the lowest acceptable bidder, against which releases for shipments to the water treatment plants will be made on an as required basis.

Shipment requests shall be transmitted by telephone. The City will provide as much advance notice as possible (usually more than seven (7) days in advance of the desired delivery date). However, the supplier must maintain readiness to make shipment within 48 hours following any shipment request.

Each shipment of alum, liquid citric acid, fluorosilicic acid, liquid lime, liquid sodium hydroxide (caustic soda), liquid sodium hypochlorite, and pebble quick lime, (i.e. bulk chemicals) shall be weighed on a truck scale certified by the State Bureau of Weights and Measures from the state from which the product is loaded and a certified copy of the weight ticket(s) shall accompany each delivery showing gross, net, and tare weights.

Each shipment of alum, liquid citric acid, fluorosilicic acid, liquid lime, liquid sodium hydroxide (Caustic Soda), liquid sodium hypochlorite, liquid sodium permanganate, and pebble quick lime shall have a copy of the laboratory analysis reflecting the percentage of the Al_2O_3 , $\text{C}_6\text{H}_8\text{O}_7$, H_2SiF_6 , NaOH , NaOCl , NaMnO_4 , PO_4 , CaO , $\text{NaClO}_3 + 1/2 \text{H}_2\text{O}_2$, and $1/2 \text{H}_2\text{O}_4$ assay for that specific shipment. Samples will be taken for analyses at the time of delivery.

All chemicals will be closely monitored for quality and purity. All liquids that are supplied that are aqueous and are sold by percent concentration will be closely monitored.

All truck drivers must check with City personnel to insure that proper chemical has been delivered to the proper tank. All safety measures shall be followed during the delivery process.

Each successful bidder must provide 24-hour emergency contact information per EPA regulations, in the event an emergency shipment is required or to address any issues associated with their product. Failure to provide this information will result in bid rejection and/or contract termination.

Any request(s) by vendors for a price increase during the length of this contract period must be based on the raw material index, and vendors must provide documentation justifying the request(s). The vendor must notify the city of any increase request(s) monthly or quarterly. The City will review each request and its accompanying documentation before agreeing to any increase. If the cost of raw material decreases, the vendor will pass along the price reduction to the city. All bids will be evaluated quarterly; any vendor that has a stable chemical price shall bid for the entire year.

If any chemical delivered does not meet specification or is contaminated, it is the responsibility of the supplier to:

1. Remove the product and replace with (clean) product meeting the spec.
2. Clean all equipment and tanks affected.
3. Reimburse the city for any down time costs associated with inferior product.

Any breach of contract or specifications will result in one (1) written warning. A second such infraction shall terminate the contract. The City reserves the right to disqualify a vendor if their delivery is not appropriate and/or on time.

ITEM # 1 – LIQUID ALUMINUM SULFATE

The material shall conform to AWWA Specification B403-03 or the latest revisions thereof for Commercial Liquid Aluminum Sulfate.

Liquid Aluminum Sulfate is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals -- Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute.

Liquid Aluminum Sulfate is to be shipped as needed in full tank truckloads of approximately 5,000 gallons per load. Each shipment shall contain water-soluble aluminum of not less than 4.23% as Al or 8.0% as Al_2O_3 . Actual laboratory analysis of percentage of Al_2O_3 must accompany bills of lading for each shipment. A certified weight ticket showing gross, net, and tare weights shall accompany each shipment.

All Liquid Aluminum Sulfate must be double filtered and not have turbidity above 2.0 NTU.

Estimated annual usage: Two Thousand (2,000) tons.

Two (2) inch Weco fast coupling and fifty (50) feet of hose are required for delivery.

Priced should be based on dry tonnage.

ITEM # 2 – FLUOROSILICIC ACID

The material shall conform to AWWA Specification B703-06 or the latest revisions thereof for Fluorosilicic Acid.

Fluorosilicic Acid is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals -- Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute.

It is to be shipped as needed in a suitable rubber or plastic lined transport tank truck loads of approximately 4,500 gallons each at a solution strength approximately 20% to 30% H_2SiF_6 . Actual laboratory analysis of percentage of H_2SiF_6 must accompany bills of lading for each shipment a certified weight ticket showing gross, net, and tare weights shall accompany each shipment.

Shipments of lower than 20% H_2SiF_6 will be refused.

Estimated annual usage: One Hundred (100) tons.

Two (2) inch Weco fast coupling and fifty (50) feet of hose are required for delivery.

ITEM # 3 – LIQUID SODIUM HYDROXIDE (CAUSTIC SODA)

The material shall conform to AWWA Specification B501-03 or the latest revisions thereof for Liquid Sodium Hydroxide (Caustic Soda).

Liquid Sodium Hydroxide (Caustic Soda) is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals -- Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute.

It is to be shipped as needed in suitable full tank truckloads of approximately 4,000 to 5,000 gallons per load and/or in suitable drums of 55 gallons each. Each shipment liquid sodium hydroxide shall contain not less than 50% liquid sodium hydroxide by weight. Actual laboratory analysis of percentage of NaOH must accompany bills of lading for each shipment. A certified weight ticket showing gross, net, and tare weights shall accompany each shipment.

Estimated annual usage: Twenty Five (25) Tons

Two (2) inch Weco fast coupling and fifty (50) feet of suitable hose required for delivery; or, if in drums, delivery truck must have a lift gate that will lower to the ground for removal by fork lift.

ITEM # 4 – LIQUID SODIUM HYPOCHLORITE

The material shall conform to AWWA Specification B300-04 or the latest revisions thereof for Liquid Sodium Hypochlorite.

Liquid Sodium Hypochlorite is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals -- Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute.

It is to be shipped as needed in suitably lined and thoroughly cleaned tank trucks of approximately 5,000 gallons per load at a solution of not less than 100 grams/Liter or 12 trade percent available chlorine. Actual laboratory analysis of percentage of NaOCl must accompany bills of lading for each shipment. A certified weight ticket showing gross, net, and tare weights shall accompany each shipment.

Estimated annual usage: One Hundred Twenty Thousand (120,000) Gallons.

Two (2) inch Weco fast coupling and fifty (50) feet of hose required for delivery.

ITEM # 5 – PEBBLE QUICK LIME (3/16 inch x 3/8 inch or rice size)

The material shall conform to the AWWA Specification B202-02 for Pebble Quick Lime or the latest revision thereof, with the exception to the specifications of Chemical Requirements in Section 4.2.1 of Quick Lime. The Quick Lime shall not have less than 90% available calcium oxide.

Pebble Quick Lime is a direct additive used in the treatment of potable water. This material should be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals -- Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute.

The size of delivered lime shall be as specified in Section 4.1.1.1 of AWWA Specification B202-02, Physical Requirements for dry feed equipment.

The lime shall contain no silica rock, mineral, or organic substances in quantities capable of producing deleterious or injurious effects upon the health of those consuming the treated water. Actual laboratory analysis of percentage of CaO must accompany bills of lading for each shipment. A certified weight ticket showing gross, net, and tare weights shall accompany each shipment.

Estimated annual usage: Three Hundred (300) tons.

Quantity per delivery: One (1) tank truck load, 25 to 30 tons.

ITEM # 6 – LIQUID SODIUM PERMANGANATE

The material shall be an Aqueous Sodium Permanganate Solution that is 15% NaMnO_4 by weight and shall conform to all AWWA Specifications B603-03 for Liquid Sodium Permanganate or the latest revisions thereof.

Liquid Sodium Permanganate is a direct additive used in the treatment of potable water. This material should be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals--Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute.

Actual laboratory analysis of percentage of NaMnO_4 must accompany bills of lading for each shipment.

Estimated annual usage: Fifteen (15) drums

Quantity per delivery: Four (4) 55 gallon drums

Minimum order: Four (4) 55-gallon drums

Packaging: Fifty-five gallons per drum. Condition of drums must be excellent. Unacceptable containers shall be returned to the seller at no cost to the City.

ITEM # 7 – IC-7110 POLYMER

The material shall conform to AWWA Specification in B453-01 or the latest revision. Specifically the polymer is IC-7110. IC-7110 is a high molecular weight, polyacrylamide based flocculant which exhibits a medium degree of anionic charge and is supplied in an off-white free flowing granular form. IC-7110 once hydrated in water reacts readily to provide superior floc formation and the best performance of polymers tested in the liquid - solids separation of the sludge from our drinking water treatment settling basins; only actual performance testing can determine this superior performance. Specifically the IC-7110 Polymer is used for conditioning these substrates for solid sedimentation, thickening and dewatering the sludge that has been removed from the settling basins. The bulk density is 45 pounds per cubic foot. The particle size is 10% > 780 μm , 50% >570 μm , and 90% >240 μm . The solution pH is 6.0 to 8.0 units.

This material should be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals--Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute. Delivery of the material is imperative to be on time to prevent disrupting water treatment.

Estimated annual usage: Two (2) tons.

Quantity per delivery: Eighteen (18) 55-pound water proof bags.

Minimum order: Eighteen (18) 55-pound water proof bags.

ITEM # 8 – LIQUID LIME

The composition shall be a liquid lime composition of Calcium Hydroxide.

Details:

- Active solids content 35% to 38%.
- Viscosity shall be 100 to 300 CPS.
- Specific gravity range 1.25 to 1.30.
- Product weight 10.4 to 10.8 LBS/GAL.
- 95 % of solids must pass through a 325 mesh filter.
- Must meet NSF specifications.
- Must be low metal content in material and meet EPA regulations for potable water.

Vendor must furnish a profile sheet upon acceptance of bid to verify metal's content. All loads must be weighed and a certificate of analysis shall accompany each load.

Estimated annual usage: One Hundred Fifty (150) tons.

Quantity per delivery: Five Thousand (5000) gallons per load.

Minimum order: Five Thousand (5000) gallons.

ITEM # 9 – FIFTY PERCENT CITRIC ACID

The Fifty Percent (50%) Citric Acid, $C_6H_8O_7$ shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60 and food grade quality, Drinking Water Treatment Chemicals -- Health Effects. Evaluation shall be accomplished in accordance with requirements that are no less restrictive than those listed in ANSI/NSF Standard 60. Certification shall be accomplished by a certification organization accredited by the American National Standards Institute.

It is to be shipped as needed in totes approximately 300 or 500 gallons. Delivery shall be to the Jerry Plott Water Treatment Plant. Actual laboratory analysis of the percentage of $C_6H_8O_7$ must accompany bills of lading for each shipment. A certified weight ticket showing gross, net, and tare weights shall accompany each shipment.

Estimated annual use: Five (5) totes.

Price should be based on gallons.

Delivery shall be in 300 or 500 gallon totes.

ITEM # 10 – SODIUM THIOSULFATE 30% BMS

Sodium Thiosulfate 30% BMS, Sp. Gr. 1.262 to 1.282, percentage range 28% to 32%. Shipping shall be in totes of approximately 500 gallons with delivery to the Jerry Plott and/or Ed Love water Treatment Plant.

Estimated annual usage: 2 totes.

ITEM # 11 – POLY-ALUMINUM CHLORIDE

The product will be Pre-Polymerized Aluminum Coagulant also known as Poly-Aluminum Chloride or PACL. The specific gravity of the product will be in the range 1.29-1.33 at 60 degrees Fahrenheit. The percent aluminum oxide A1203 will be 15% to 16.5%. The basicity of the product will be 52% to 57%. The iron content of the product will be <150mg/1. The manganese content will be <0.005 mg/1.

Inorganic coagulant must not contain any organic polymers. Certificate of analysis must accompany each truckload and will accompany bid to verify that the specs are correct. Any variance in these technical specifications will not be accepted.

Estimated annual usage: One Hundred (100) tons.

BIDDER'S RESPONSE FORM

MESSAGE TO BIDDERS: Please review your bid documents for accuracy, completeness, required documentation, and necessary signatures before submitting. Please label the outer mailing/shipping package with the bid information as directed.

BID PRICES:

ITEM # 1 – LIQUID ALUMINUM SULFATE: _____/DRY POUND _____/DRY TON

ITEM # 2 – FLUOROSILICIC ACID: _____/POUND _____/TON

ITEM # 3 – LIQUID SODIUM HYDROXIDE (CAUSTIC SODA): _____/POUND _____/TON

ITEM # 4 – LIQUID SODIUM HYPOCHLORITE: _____/POUND _____/TON _____/GALLON

ITEM # 5 – PEBBLE QUICK LIME: _____/POUND _____/TON

ITEM # 6 – LIQUID SODIUM PERMANGANATE: _____/POUND _____/TON

ITEM # 7 – IC-7110 POLYMER: _____/POUND _____/TON

ITEM # 8 – LIQUID LIME: _____/POUND _____/TON

ITEM # 9 – FIFTY PERCENT CITRIC ACID: _____/GALLON

ITEM # 10 – SODIUM THIOSULFATE 30% BMS: _____/POUND _____/TON

ITEM # 11 – POLY-ALUMINUM CHLORIDE: _____/POUND _____/TON

BIDDER'S RESPONSE FORM (cont.)

COMPANY NAME: _____

CONTACT PERSON: _____

COMPLETE MAILING ADDRESS: _____

AUTHORIZED SIGNATURE: _____

PRINTED NAME: _____

TELEPHONE NUMBER: _____ FAX NUMBER: _____

E-MAIL ADDRESS: _____

COPIES SUBMITTED:

_____ VENDOR MUST SUBMIT AN ORIGINAL BID AND ONE COMPLETE COPY OR THE BID MAY BE REJECTED.

NOTE: BY SIGNING THIS CONTRACT, THE CONTRACTING PARTIES AFFIRM, FOR THE DURATION OF THE AGREEMENT, THAT THEY WILL NOT VIOLATE FEDERAL IMMIGRATION LAW OR KNOWINGLY EMPLOY, HIRE FOR EMPLOYMENT, OR CONTINUE TO EMPLOY AN UNAUTHORIZED ALIEN WITHIN THE STATE OF ALABAMA. FURTHERMORE, A CONTRACTING PARTY FOUND TO BE IN VIOLATION OF THIS PROVISION SHALL BE DEEMED IN BREACH OF THE AGREEMENT AND SHALL BE RESPONSIBLE FOR ALL DAMAGES RESULTING THEREFROM.

FAILURE TO COMPLETE ALL OF THE ABOVE WITH AN AUTHORIZED SIGNATURE MAY SUBJECT BID TO REJECTION.

NON-BIDDERS RESPONSE FORM

For purposes of maintaining accurate bidder's list and facilitating your firm's response to our invitation for bid, the City of Tuscaloosa is interested in ascertaining reasons for prospective bidders' failure to respond to invitations for bids. If your firm is not responding to this bid, please indicate the reason(s) by checking any appropriate item(s) below and returning this form to Mr. David Coggins, Purchasing Agent, 2201 University Blvd., Tuscaloosa, Alabama 35401. Failure to either submit a bid proposal or return this form may result in removal of your firm's name from our bidder's lists. Thank you for your cooperation.

We are not responding to this invitation for bid for the following reason(s):

___ Items or materials request not manufactured by us or not available to our company.

___ Our items or materials do not meet specifications.

___ Specifications not clearly understood or applicable (too vague, too rigid, etc.)

___ Quantities requested are too small.

___ Insufficient time allowed for preparation of bid.

___ Incorrect address used: Correct mailing address is:

___ Our branch/division handles this type of bid. Correct name and mailing address is:

___ Other reason(s): _____

Company Name: _____

Address: _____

City/State/Zip: _____

Signature: _____