



UTILITIES DEPARTMENT

Physical Address: 1119 Broad Street
Phenix City, AL 36867

Mailing Address: P.O. Box 760
Phenix City, AL 36868

Ph: 334-448-2880 | Fx: 334-291-4742 | phenixcityal.gov

JASPONICA G. FLORENCE
At Large / Mayor Pro Tem

STEVE BAILEY
Councilmember District 1

EDDIE N. LOWE
Mayor

VICKEY C. GREEN
Councilmember District 2

ARTHUR L. DAY, JR.
Councilmember District 3

WALLACE B. HUNTER, City Manager
SHANNON DAVIS, City Clerk
JOHN SPRAGGINS, Utilities Director

THE CITY OF PHENIX CITY/UTILITIES DEPARTMENT
UT2026-03 CHEMICAL BID
TO OPEN FRIDAY OCTOBER 16, 2026, 10:00 AM EASTERN

The City of Phenix City/Utilities Department will be soliciting bids for the following:

Item No.	Item	Unit	Quantity Estimates
1	Liquid Chlorine (WWTP & WFP)	tons	90
2	Sulfur Dioxide (WWTP)	tons	10
3	Dry Polymer (WWTP)	lbs	5,000
4	Liquid Polymer (WWTP)	lbs	92,000
5	Aluminum Sulfate (WWTP & WFP)	lbs	325,000
6	Granular Soda Ash (WFP)	lbs	650,000
7	Hydroflousilicic Acid (WFP)	lbs	100,000
8	Poly Aluminum Chloride (WFP)	lbs	400,000
9	Lime Slurry (WWTP & WFP)	lbs	1,400,000
10	Copper Sulfate (WFP)	lbs	75,000
11	Zinc Orthophosphate (WFP)	lbs	114,000

Bids must be submitted on the bid form in a sealed envelope marked:

Phenix City Utilities Dept./ Chemical Bid

Bids must be submitted no later than Friday, October 16, 2026 at 9:30 AM EASTERN at:

Phenix City Finance Department
Attn: Purchasing Agent
601 12th Street, Second Floor
Phenix City, Alabama 36867

Bids will be opened in the City Council Chambers located at 1111 Broad Street, Phenix City, Alabama.

No bidder may withdraw his bid within 90 days after the opening thereof.

The City reserves the right to waive any informalities, or to reject any or all bids, and to award the contract to the best and most responsible bidder.

A 5% bid bond or cashiers check must be submitted with all bids in order for your bid to be considered.

For additional information or copies of the bid form and/or specifications, contact John Jackson (WWTP) at 334-291-4736 or Barrett Crain (WFP) at 334-291-4757.



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PUBLIC NOTICE
BID NUMBER UT2026-03
“Chemical Bid”
PHENIX CITY, ALABAMA

The City of Phenix City will receive sealed bids at 601 12th Street, 2nd floor, for chemicals to be used at the Water Filtration and Waste Water Treatment plants until **9:30 A.M. Eastern Time, Friday, October 16th, 2026** and publicly open immediately thereafter at **10:00 A.M. Eastern Time** in the Phenix City Council Chambers at City Hall, 1111 Broad Street, Phenix City, Alabama. Copies of the bid form can be obtained by requesting bid number UT2026-03 at the Phenix City Utilities Department, 1119 Broad Street, 1st Floor, Phenix City, Alabama. For additional information contact John Jackson (WWTP) at 334-291-4736 or Barrett Crain (WFP) at 334-291-4757.

The following is a list of the materials:

Item No.	Item	Unit	Quantity Estimates
1	Liquid Chlorine (WWTP & WFP)	tons	90
2	Sulfur Dioxide (WWTP)	tons	10
3	Dry Polymer (WWTP)	lbs	5,000
4	Liquid Polymer (WWTP)	lbs	92,000
5	Aluminum Sulfate (WWTP & WFP)	lbs	325,000
6	Granular Soda Ash (WFP)	lbs	650,000
7	Hydroflousilicic Acid (WFP)	lbs	100,000
8	Poly Aluminum Chloride (WFP)	lbs	400,000
9	Lime Slurry (WWTP)	lbs	1,400,000
10	Copper Sulfate (WFP)	lbs	75,000
11	Zinc Orthophosphate (WFP)	lbs	114,000



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Alabama

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City of Phenix City Specifications for Bid# UT2026-03 Liquid Chlorine And Sulfur Dioxide

1. General Terms and Conditions

- a. Except as otherwise provided in this contract, the City of Phenix City shall order from the Contractor all Chlorine and Sulfur Dioxide required to be purchased by the City of Phenix City during the contract period.
- b. Within 5 business days of being awarded the bid, the successful bidder shall acquire a City of Phenix City business license. If the successful bidder does not acquire said business license within 5 business days of being awarded the bid, said bidder shall lose the bid and the City of Phenix City shall award the bid the next successful bidder.
- c. It is estimated that 90 tons of chlorine and 10 tons of Sulfur Dioxide will be required in the operation of the Water Filtration Plant (WFP) and Waste Water Treatment Plant (WWTP) during the period October 1, 2026 – September 30, 2027. Exact quantities cannot now be determined, but estimates are given. Quantities listed may be increased or decreased to meet the requirements of the City of Phenix City during the contract period. A minimum is not guaranteed.
- d. A purchase order for the period of October 1, 2026 – September 30, 2027 inclusive will be awarded as a result of this invitation for bid. The City of Phenix City will issue verbal release orders for each shipment under the contract. Prices quoted shall not change for the entire term of the contract.
- e. Product shall be delivered in one (1) Ton net weight containers to either the City of Phenix City WFP (1100 32nd St. Phenix City, AL. 36867) or WWTP (1600 East State Docks Rd. Phenix City, AL. 36869) as directed **within five (5) days** following the request for each delivery. Deliveries shall include unloading of said containers at the WFP dock and/or under the WWTP monorail crane system. Deliveries will be accepted **only between the hours of 8:00am EST through 2:30pm EST. Monday through Friday (No Exceptions).**
- f. The City of Phenix City will receive chlorine and sulfur dioxide only under the following conditions:
 - i. The delivery truck must be equipped with hoisting capabilities and the **delivery driver will be responsible for off-loading the containers onto the dock or**



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- under the monorail system.** The delivery driver must be familiar with the hoisting equipment and be able to safely off-load the containers. Any unsafe off-loading conditions will be grounds for rejection of the shipment.
- ii. A shipment of containers using a chain boom for securing the containers on the truck will be rejected if the chain boom cannot be released by hand without the aid of a "cheater pipe."
 - iii. Containers will be inspected upon delivery. The containers will be off-loaded onto the dock. The valve covers (bonnets) will be removed by the operators and the valves inspected for leaks.
 - iv. Each valve cap on each container will be loosened and the valve re-tested for leaks. The container will also be inspected for physical damage. This includes any corrosion that is noticeable around the valve or fittings.
 - v. The Risk Management Program (RMP) requires that a container will be returned if the container:
 1. Has physical damage
 2. Has a valve that has a leak under the valve cap and the leak cannot stop by retightening the cap
 - vi. Should a container have a leak that cannot be secured for return, the container will be secured at the dock using the plant's "B" kit. The contractor will be required to remediate the defective container.
 - g. The City of Phenix City reserves the right to purchase Chlorine and Sulfur Dioxide from another source if successful bidder is unable to deliver Chlorine or Sulfur Dioxide within five (5) business days of the date of the order.
 - h. The Contract may be canceled by either party with 30 days by written notice for failure to comply with the provisions of this contract.
 - i. Bids will be considered only from manufacturers or their authorized distributors. The authorized distributors must regularly maintain a substantial stock of the Chlorine and Sulfur Dioxide bid upon and must be actively engaged in the sale of Chlorine and Sulfur Dioxide. Such stock and facilities may be examined by a representative of the City of Phenix City at any time either before award is made or during the life of the contract.
 - j. The City of Phenix City reserves the right to reject any and all bids or portions of bids, waive formalities and to make such award of contract as may be deemed to be the most advantageous for the City of Phenix City. No bids may be withdrawn within thirty (30) days after date of opening.
 - k. Any required deposits, container fees or other special fees shall be noted on the proposal.
 - l. The contractor will provide documentation on its driver training program developed to ensure they fully understand the safety and health hazards of the hazardous substances they are delivering and the handling equipment they operate in order to protect themselves, the City's staff, citizens living near the facility, and the environment.

- m. The contractor shall provide documentation on its hoist equipment inspection and maintenance program developed to assure the hoist is maintained according to the manufacturers and OSHA standards. In addition, the contractor shall provide documentation that their drivers are certified to use their hoist equipment and that the training, certification and maintenance documentation is up to date.
- n. The supplier shall furnish Material Safety Data Sheets (MSDS) for the specified chlorine and sulfur dioxide immediately upon the first delivery. The MSDS shall be updated as required by law or if warranted by any manufacturer or product change.

2. Specifications for Liquid Chlorine

- a. Chlorine bid must be in compliance with AWWA B301, Standard for Liquid Chlorine.
- b. Bidder must include with the bid submitted an Affidavit stating that the liquid chlorine furnished under this contract complies with all applicable standards and requirements of AWWA B301, Standard for Liquid Chlorine.
- c. NSF 60 approved with documentation supplied with each shipment.
- d. Purity: 99.5% chlorine minimum
- e. Water: 50 parts per million (ppm) maximum

3. Specifications for Sulfur Dioxide

- a. Sulfur dioxide shall meet requirements of AWWA Standard B512-08.
- b. Chemical Analysis

Product makeup	Guaranteed	Typical
SO ₂	99.9% Minimum	99.99%
Water	100 ppm Maximum	70 ppm
Nonvolatile	50 ppm Maximum	6 ppm
SO ₃	10 ppm Maximum	1 ppm
Elemental Sulfur	10 ppm Maximum	5 ppm
Total Metals	30 ppm Maximum	
Pb	10 ppm	
Fe	10 ppm	
As	3 ppm	
Se	3 ppm	

4. Insurance Requirements

- a. The Supplier will be required to furnish the City with the following insurance policies prior to final award of contract:
 - i. Workman's Compensation Statutory Limits
 - ii. General Liability
 - 1. \$500,000/bodily injury
 - 2. \$100,000/property damage
 - 3. \$250,000/each person



iii. Auto Public Liability

1. \$250,000/person
2. \$500,000/accident or occurrence
3. \$100,000/property damage

iv. Product Liability

1. \$1,000,000/occurrence

5. Information

- a. For information in responding to this Invitation for Bids, prospective bidders may contact the City of Phenix City Purchasing Clerk, Priscilla Allen (334)448-2897.
- b. To be considered, bids must be received at the City of Phenix City's Purchasing Office.

6. Bid:

Chlorine \$ _____ Ton Sulfur Dioxide \$ _____ Ton



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City of Phenix City
Specifications for Bid# UT2026-03
Dry and Liquid Polymer for the WWTP Belt Press and RDT's

A. General

1. Except as otherwise provided in this contract, during the contract period, the City of Phenix City shall purchase all polymer for the WWTP Belt Press and Rotary Drum Thickener (RDT) Andritz Units from the Contractor.
2. Within 5 business days of being awarded the bid, the successful bidder shall acquire a City of Phenix City business license. If the successful bidder does not acquire said business license within 5 business days of being awarded the bid, said bidder shall lose the bid and the City of Phenix City shall award the bid the next successful bidder.
3. It is estimated that 5,000lbs of Dry Polymer and 92,000lbs of Liquid Polymer will be required in the operation of the Waste Water Treatment Plant (WWTP) during the period October 1, 2026 – September 30, 2027. Exact quantities cannot now be determined, but estimates are given. Quantities listed may be increased or decreased to meet the requirements of the City of Phenix City during the contract period. A minimum is not guaranteed.
4. A purchase order will be awarded as a result of this invitation for bid for the time period from when the bid is awarded on October 1, 2026 – September 30, 2027. The City of Phenix City will issue verbal release orders for each shipment under the contract. Prices quoted shall not change for the entire term of the contract.
5. (Dry Polymer) There is one 2.2 meter belt filter press being utilized for sludge dewatering. Each proposed polymer is to be evaluated and supporting data submitted to specified City personnel to determine the most economical polymer or polymers that produce a final cake with optimum solids content of 20%, while maintaining a minimum sludge production rate through the press of 1 ton per hour.
6. (Liquid Polymer) There are (2) RDT's Andritz Units for thickening the Primary Sludge and Waste Activated Sludge (WAS). Samples of sludge (Primary Sludge and WAS) shall be present for jar testing. The City will be looking at the following criteria for the liquid polymer:



- i. Emulsion polymer with the lowest cost \$/dry ton while maintaining 5-6% T.S. thickened solids concentration and 98% Solids recovery.
 - ii. Liquid polymer totes may be one-way or round trip totes but shall not exceed a total weight of 3000lbs each.
7. All proposed polymers must be tested and qualified by the City following the submittal of proposals. The qualification process shall include but not be limited to the following:
 - i. Product Selection: The City shall select one polymer for the contract term. However, vendors may propose a maximum of 2 polymers for qualification testing. The proposed polymer (Dry) shall be quoted at unit cost per pound and (Liquid) at pounds of active polymer listed on the bid sheet times (x) bid price per pound of active polymer equals (=) total cost of active polymer per year. The City will use the following to determine the total contract cost for the polymer bid:
 1. Dosage in pounds per dry ton
 2. Suspended Solids from the press filtrate
 3. Gallons per hour of sludge treated
 4. % Solids of Sludge Cake
 5. Cost of polymer per a dry ton of solids
 - ii. Laboratory Testing: All bidders shall arrange for site testing of their products for the purpose of determining which products they intend to bid on. Testing shall be limited to jar testing only. Contact Cody Gray or John Jackson at 334-291-4736. The WWTP will provide laboratory space for all vendors to test their polymers prior to proposal due date. It will be the responsibility of the vendors to determine the best polymer or polymers they have available for the conditioning of the sludge.
 - iii. The Qualification Test: All testing shall take place during the time period of **September 20, 2026 –October 12, 2026**. However, if a prospective bidder's proposed product arrives at the treatment plant prior to the product prequalification startup date. The vendor may request from the Treatment Plant Superintendent to start their testing process early and these requests will be granted if operating conditions so permit. No time extension will be granted for the test process unless equipment failures, process upsets or other conditions within the treatment plant beyond



- control of the vendor prevent completion of the scheduled test. In that event the test will be rescheduled for the first available production day.
- iv. Prospective bidders shall be assigned laboratory and field test schedules on a first come first serve basis. Each vendor will be granted a maximum of 1 day of test time for each product tested for a maximum of four days to complete the tests. There will be no exception to this requirement. Vendors are urged to contact the City as soon as possible to assure acceptable test period scheduling.
 - v. The field testing of polymers will be performed and evaluated by City personnel only. No exceptions to this condition will be granted. Each polymer will be tested equally under the same test conditions with no deviation from stated test conditions during the test period. A vendor representative may be present to witness the test procedure and answer any questions the City may have for handling of their product. The vendor will not take part in the actual test procedure. Note: All tests will be performed Monday – Friday from 8:00 am EST – 2:00pm EST.
8. The vendor will be responsible for providing the following at no cost to the City:
- i. Polymers in necessary quantities (50lb bags, dry or 5 gal pales, liquid only) for the duration of the test period. There shall be no exception to this requirement.
 - ii. The supplier will provide all polymers for these tests. Our experience indicates that approximately 50 lbs. will be necessary for a day's run.
 - iii. Any shipping cost to and from the City test location.
9. Vendors will become qualified when their product demonstrates the following:
- i. Must produce a dewatered sludge cake of a minimum of 20% solids. Polymers that fail to meet these requirements will not be considered.
 - ii. Sludge cake dewatering rate greater than 8.000 lbs. /hr.
 - iii. Each vendor will be granted 1 testing day per product tested. Feed rate will be based on the percent of dry solids feed, the pump capacity, and the percent speed. Samples will be grabbed after stabilization to determine the average cake of solids and % capture at flow rate. Polymer usage will be measured by scale to determine polymer dose at each flow rate.

iv. Each vendor must submit a Certificate of Analysis that includes active product concentration.

10. The vendor shall agree to provide the services of the field representative for on-site performance evaluation and consultation when requested. The vendor shall provide the City with names of two company maintenance personnel, along with two contact numbers who are available for emergency situations. The vendor shall provide the City with all product related safety information and MSDS.
11. The intent of the City is to purchase and use the successful vendor's product throughout the period designated. However, regulatory requirements and changes in sludge characteristics may justify the need to consider other products. If so, the current supplier will first be given the opportunity to provide alternate products at or below the current cost. If this cannot be accomplished, the City of Phenix City reserves the right to use the next lowest vendor from the bids placed and the product they bided will be requested for an alternate. Issuance of an evaluation and Purchase Order for the polymer(s) specified in this document is not intended to prevent the evaluation and purchase of additional products.
12. The successful vendor shall cooperate with the City of Phenix City in supplying any quantity of product that is needed or requested. The City of Phenix City reserves the right to refuse, delay or limit delivery at the time of delivery. The City of Phenix City will not be responsible to pay demurrage for any reason. The vendor shall supply Polymer within a lead time of 10 business days of when the order is placed.

B. Information

1. For information in responding to this Invitation for Bids prospective bidders may contact the City of Phenix City Purchasing Clerk (334)448-2735.
2. To be considered, bids must be received at the City of Phenix City's Purchasing Office.

C. Bid

1. Polymer (Dry) _____ per pound (Dry)
2. Polymer (Liquid) _____ per pounds of active polymer listed on the bid sheet times (x) bid price per pound of active polymer equals (=) total cost of active polymer per year (Liquid)



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City of Phenix City Specifications for Bid# UT2026-03 Aluminum Sulfate

I. General Terms and Conditions

1. Except as otherwise provided in this contract, the City of Phenix City shall order from the Contractor all Aluminum Sulfate required to be purchased by the City of Phenix City during the contract period. The vendor will be responsible to get a business license with the city.
2. It is estimated that 325,000 lbs. of Aluminum Sulfate will be required in the operation of the Water Filtration Plant (if needed) during the period October 1, 2026 – September 30, 2027. Exact quantities cannot now be determined, but estimates are given. Quantities listed may be increased or decreased to meet the requirements of the City of Phenix City during the contract period. A minimum is not guaranteed.
3. A purchase order for the period of October 1, 2026 – September 30, 2027 inclusive will be awarded as a result of this invitation for bid. Prices quoted shall remain firm for the entire term of the contract.
4. Deliveries are to be made to the City of Phenix City Water Filtration Plant within 5 days following request for each delivery. Deliveries will be accepted only between the hours of 8:00 am through 2:00 pm est. Monday through Friday (No Exceptions). EXCLUDING SCHEDULED HOLIDAYS.



5. The City of Phenix City reserves the right to purchase Aluminum Sulfate from another source if successful bidder is unable to deliver within the specified delivery time.
6. The Aluminum Sulfate **must be bid in lbs.** dry weight; bids based on Gallons will not be accepted.
7. The Contract may be canceled by either party with 30 days written notice for failure to comply with the provisions of this contract.
8. Bids will be considered only from manufacturers or their authorized distributors. The authorized distributors must regularly maintain a substantial stock of the bid upon and must be actively engaged in the sale of Aluminum Sulfate. Such stock and facilities may be examined by a representative of the City of Phenix City at any time either before award is made or during the life of the contract.
9. The City of Phenix City reserves the right to reject any and all bids or portions of bids, waive formalities and to make such award of contract as may be deemed to be the best advantage of the City. No bids may be withdrawn within thirty (30) days after date of opening.
10. Any required deposits, or other special fees shall be noted on the proposal.
11. The contractor will provide documentation on its driver training program developed to ensure they fully understand the safety and health hazards of hazardous substances they are delivering and the handling equipment they operate in order to protect themselves, the City's staff, citizens living near the facility, and the environment.

Material Safety Data Sheets: The supplier shall furnish Material Safety Data Sheets for the specified Aluminum Sulfate immediately upon the first delivery. The MSDS shall be updated as required by law or if warranted by any manufacturer or product change.

Packaging:

The City of Phenix City will place orders of the product for 45,000 -50,000 lbs. per order. Tanker must have ability to hold 45,000 -50,000 lbs. Tanker must have the capability to pump product to third floor storage tank.

II Specifications for Aluminum Sulfate

1. Bid must be in compliance with AWWA **B403-03**, Standard for Aluminum Sulfate.
B403-24?

2. Bidder must include with the bid submitted an Affidavit stating that the Aluminum Sulfate furnished under this contract complies with all applicable standards and requirements of AWWA **B403-03 (B403-24?)**, Standard for Aluminum Sulfate.

3. Aluminum Sulfate shall contain no soluble material or organic substances in quantities capable of producing deleterious or injurious effects on the health of those consuming water that has been treated properly with stated product.

4. The specific impurity limits are as follows. The total water-soluble iron (expressed as Fe₂O₃) content of Aluminum Sulfate shall be no more than 0.75% in a basis of 17% Al₂O₃ (9% as Al), in dry Aluminum Sulfate or 0.35% on a basis of 8.0% Al₂O₃ (4.23% as Al), in liquid Aluminum Sulfate.

5. Aluminum Sulfate 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 accredited certification organization in accordance with ANSI/NSF Standards Institute.

6. Deliveries: As needed with five (5) days' notice to the Phenix City Water Filtration Plant located at 1100 32nd St., Phenix City, Alabama 36867.

Received between the hours of 8a.m. and 2p.m. Eastern Standard Time

III Insurance Requirements

The Supplier will be required to furnish the City with the following insurance policies prior to final award of contract:

Workman's Comp. Statutory Limits

General Liability

\$500,000 /bodily injury

\$100,000 /property damage

\$250,000 /each person

Auto Public Liability

\$250,000 /person

\$500,000 / Accident or occurrence

Product Liability

\$100,000 /property damage

\$1,000,000 /occurrence

IV Information

1. For information in responding to this Invitation for Bids prospective bidders may contact the City of Phenix City WFP Plant, Barrett R. Crain (334)291-4757.

2. To be considered, bids must be received at the City of Phenix City's Purchasing Office.

V Bid Amount from Vendor

Price per lb. of Aluminum Sulfate _____



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City of Phenix City
Specifications for Bid# UT2026-03
Soda Ash

Granular Soda Ash (Sodium Carbonate Anhydrous)

A. General Terms and Conditions

1. Except as otherwise provided in this contract, the City of Phenix City shall order from the Contractor all Soda Ash required to be purchased by the City of Phenix City during the contract period. The vendor will be responsible to get a business license with the city.
2. It is estimated that 990,000 lbs. of Soda Ash will be required in the operation of the Water Filtration Plant during the period October 1, 2026 – September 30, 2027. Exact quantities cannot now be determined, but estimates are given. Quantities listed may be increased or decreased to meet the requirements of the City of Phenix City during the contract period. A minimum is not guaranteed.
3. A purchase order for the period of October 1, 2026 – September 30, 2027 inclusive will be awarded as a result of this invitation for bid. Prices quoted shall remain firm for the entire term of the contract.
4. Deliveries are to be made to the City of Phenix City Water Filtration Plant within 5 days following request for each delivery. Deliveries will be accepted only between the hours of 8:00 am through 2:00 pm est. Monday through Friday (No Exceptions). EXCLUDING SCHEDULED HOLIDAYS.
5. The City of Phenix City reserves the right to purchase Soda Ash from another source if successful bidder is unable to deliver within the specified delivery time.
6. The Soda Ash must **be bid in lbs. dry weight**.
7. The Contract may be canceled by either party with 30 days written notice for failure to comply with the provisions of this contract.
8. Bids will be considered only from manufacturers or their authorized distributors. The authorized distributors must regularly maintain a substantial stock of the bid upon and must be actively engaged in the sale of Soda Ash. Such stock and facilities may be examined by a representative of the City of Phenix City at any time either before award is made or during the life of the contract.

9. The City of Phenix City reserves the right to reject any and all bids or portions of bids, waive formalities and to make such award of contract as may be deemed to be the best advantage of the City. No bids may be withdrawn within thirty (30) days after date of opening.

10. Any required deposits, or other special fees shall be noted on the proposal.

11. The contractor will provide documentation on its driver training program developed to ensure they fully understand the safety and health hazards of hazardous substances they are delivering and the handling equipment they operate in order to protect themselves, the City's staff, citizens living near the facility, and the environment.
12. Material Safety Data Sheets: The supplier shall furnish Material Safety Data Sheets for the specified Soda Ash immediately upon the first delivery. The MSDS shall be updated as required by law or if warranted by any manufacturer or product change.
13. The City of Phenix City will place orders of the product for 45,000 -50,000 lbs. per order. Tanker must have ability to hold 45,000 -50,000 lbs. Tanker must have the capability to pump product to third floor storage tank, including providing their own compressed air sufficient to deliver product to said third floor storage tank.

B. Specifications for Soda Ash

1. Bid must be in compliance with AWWA B201-82, Standard for Soda Ash.
2. Bidder must include with the bid submitted an Affidavit stating that the Soda Ash furnished under this contract complies with all applicable standards and requirements of AWWA B201-82, Standard for Soda Ash.

C. Insurance Requirements

1. The Supplier will be required to furnish the City with the following insurance policies prior to final award of contract:
 - i. Workman's Compensation
 1. Statutory Limits
 - ii. General Liability
 1. \$500,000 /bodily injury
 2. \$100,000 /property damage
 3. \$250,000 /each person
 - iii. Auto Public Liability



1. \$250,000 /person
2. \$500,000 / Accident or occurrence
3. \$100,000 /property damage
- iv. Product Liability
 1. \$1,000,000 /occurrence

D. Information

1. For information in responding to this Invitation for Bids prospective bidders may contact the City of Phenix City Purchasing Agent (334)448-2897.
2. To be considered, bids must be received at the City of Phenix City's Purchasing Office.

E. Bid Amount from Vendor

1. Price per lb. dry weight of Soda Ash _____



UTILITIES DEPARTMENT

Physical Address: 1119 Broad Street
Phenix City, AL 36867

Mailing Address: P.O. Box 760
Phenix City, AL 36868

Ph: 334-448-2880 | Fx: 334-291-4742 | phenixcityal.gov

JASPONICA G. FLORENCE
At Large / Mayor Pro Tem

STEVE BAILEY
Councilmember District 1

EDDIE N. LOWE
Mayor

VICKEY C. GREEN
Councilmember District 2

ARTHUR L. DAY, JR.
Councilmember District 3

WALLACE B. HUNTER, City Manager
SHANNON DAVIS, City Clerk
JOHN SPRAGGINS, Utilities Director

City of Phenix City Specifications for Bid# UT2026-03 Hydrofluorsilicic Acid

I. General Terms and Conditions

1. Except as otherwise provided in this contract, the City of Phenix City shall order from the Contractor all Hydrofluosilicic Acid required to be purchased by the City of Phenix City during the contract period. The vendor will be responsible to get a business license with the city.
2. It is estimated that 100,000 lbs. of Hydrofluosilicic Acid will be required in the operation of the Water Filtration Plant during the period October 1, 2026- September 30, 2027. Exact quantities cannot now be determined, but estimates are given. Quantities listed may be increased or decreased to meet the requirements of the City of Phenix City during the contract period. A minimum is not guaranteed.
3. A purchase order for the period of October 1, 2026 – September 30, 2027 inclusive will be awarded as a result of this invitation for bid. Prices quoted shall remain firm for the entire term of the contract.
4. Deliveries are too be made to the City of Phenix City Water Filtration Plant within 5 days following request for each delivery. Deliveries will be accepted only between the hours of 8:00 am through 2:00 pm est. Monday through Friday (No Exceptions). EXCLUDING SCHEDULED HOLIDAYS.



5. The City of Phenix City reserves the right to purchase Hydrofluosilicic Acid from another source if successful bidder is unable to deliver within the specified delivery time.
6. The Hydrofluosilicic Acid **must be bid in lbs. dry weight.**
7. The Contract may be canceled by either party with 30 days written notice for failure to comply with the provisions of this contract.
8. Bids will be considered only from manufacturers or their authorized distributors. The authorized distributors must regularly maintain a substantial stock of the bid upon and must be actively engaged in the sale of Hydrofluosilicic Acid. Such stock and facilities may be examined by a representative of the City of Phenix City at any time either before award is made or during the life of the contract.
9. The City of Phenix City reserves the right to reject any and all bids or portions of bids, waive formalities and to make such award of contract as may be deemed to be the best advantage of the City. No bids may be withdrawn within thirty (30) days after date of opening.
10. Any required deposits, or other special fees shall be noted on the proposal.
11. The contractor will provide documentation on its driver training program developed to ensure they fully understand the safety and health hazards of hazardous substances they are delivering and the handling equipment they operate in order to protect themselves, the City's staff, citizens living near the facility, and the environment.



12. Material Safety Data Sheets: The supplier shall furnish Material Safety Data Sheets for the specified Hydrofluosilicic Acid immediately upon the first delivery. The MSDS shall be updated as required by law or if warranted by any manufacturer or product change.

Packaging:

The City of Phenix City will place orders of the product for 45,000 – 50,000 lbs. per order. Tanker must have ability to hold 45,000 – 50,000 lbs. Tanker must have the capability to pump product to third floor storage tank.

II Specifications for Hydrofluosilicic Acid

1. Bid must be in compliance with B703-89, AWWA Standard for Hydrofluosilicic Acid.
2. Bidder must include with the bid submitted an Affidavit stating that the Hydrofluosilicic Acid furnished under this contract complies with all applicable standards and requirements of B703-89, AWWA Standard for Hydrofluosilicic Acid.

	MAX.	MIN.
Assay:m/ H ₂ SiF ₆	25.00	23.00
Total Fluoride: 0/0m/m F	19.78	18.20
Specific Gravity @ 60 degrees F	1.265	1.208
Free Acid (not H@SiFe):0/0 m/m Pb	<0.02	0.00
Phosphate (as Pz06):0/0 m/m Pz06	0.075	0.000
Chloride: 0/0m/m Cl	.50	0.00

III Insurance Requirements

The Supplier will be required to furnish the City with the following insurance policies prior to final award of contract:

Workman's Comp. Statutory Limits

General Liability

\$500,000 /bodily injury

\$100,000 /property damage

\$250,000 /each person

Auto Public Liability

\$250,000 /person

\$500,000 / Accident or occurrence

\$100,000 /property damage

Product Liability

\$1,000,000 /occurrence

IV Information

1. For information in responding to this Invitation for Bids prospective bidders may contact the City of Phenix City Purchasing Agent, Priscilla Allen (334)448-2897.

2. To be considered, bids must be received at the City of Phenix City's Purchasing Office.

V Bid Amount from Vendor

Price per lb. (dry weight) (and wet weight) of Hydrofluosilicic Acid _____



UTILITIES DEPARTMENT

Physical Address: 1119 Broad Street
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Phenix City, AL 36868

Ph: 334-448-2880 | Fx: 334-291-4742 | phenixcityal.gov

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Councilmember District 2

ARTHUR L. DAY, JR.
Councilmember District 3

WALLACE B. HUNTER, City Manager
SHANNON DAVIS, City Clerk
JOHN SPRAGGINS, Utilities Director

City of Phenix City Specifications for Bid# UT2026-03 Poly Aluminum Chloride

A. General Terms and Conditions

1. Except as otherwise provided in this contract, the City of Phenix City shall order from the Contractor all Poly Aluminum Chloride (PACL) required to be purchased by the City of Phenix City during the contract period. The vendor will be responsible to get a business license with the city.
2. It is estimated that 700,000 lbs. of PACL will be required in the operation of the Water Filtration Plant during the period October 1, 2026 – September 30, 2027. Exact quantities cannot now be determined, but estimates are given. Quantities listed may be increased or decreased to meet the requirements of the City of Phenix City during the contract period. A minimum is not guaranteed.
3. A purchase order for the period of October 1, 2026 – September 30, 2027 inclusive will be awarded as a result of this invitation for bid. Prices quoted shall remain firm for the entire term of the contract.
4. Deliveries are to be made to the City of Phenix City Water Filtration Plant within 5 days following request for each delivery. Deliveries will be accepted only between the hours of 8:00 am through 2:00 pm est. Monday through Friday (No Exceptions).
5. The City of Phenix City reserves the right to purchase PACL from another source if successful bidder is unable to deliver within the specified delivery time.
6. The PACL **must be bid in lbs. wet ("as-is") weight**, bids based on Gallons will not be accepted.
7. The Contract may be canceled by either party with 30 days written notice for failure to comply with the provisions of this contract.
8. Bids will be considered only from manufacturers or their authorized distributors. The authorized distributors must provide documentation from their manufacturer certifying that they are their exclusive authorized distributor, that they will regularly maintain a substantial stock of Polyaluminum Chloride (PACI), and must be actively engaged in the sale of PACI. Such stock and facilities may be examined by a representative of the City of Phenix City at any time either before award is made or during the life of the contract.

9. The contractor must provide the Decision Blue® Virtual Jar® platform (or proven, similar AI predictive modeling platform) (bid must be priced with and without this software, so the city may make the decision to include or exclude this option) to support coagulant chemistry, plant-specific application, and to optimize Total Organic Carbon (TOC) removal and the reduction of Disinfection ByProducts (DBP), as part of their coagulant cost per pound.
10. The City of Phenix City reserves the right to reject any and all bids or portions of bids, waive formalities and to make such award of contract as may be deemed to be the best advantage of the City. No bids may be withdrawn within thirty (30) days after date of opening.
11. Any required deposits, or other special fees shall be noted on the proposal.
12. The contractor will provide documentation on its driver training program developed to ensure they fully understand the safety and health hazards of hazardous substances they are delivering and the handling equipment they operate in order to protect themselves, the City's staff, citizens living near the facility, and the environment.
13. Safety Data Sheets: The supplier shall furnish Safety Data Sheets for the specified PACI immediately upon the first delivery. The SDS shall be updated as required by law or if warranted by any manufacturer or product change.
14. Certificate of Analysis: The supplier shall furnish Certificate of Analysis for the specified PAC immediately upon arrival of each delivery. The Certificate of Analysis must include all of the following product specifications.
 - i. Alumina; % Al₂O₃
 - ii. Basicity
 - iii. Specific Gravity
 - iv. Physical Appearance, containing no foreign bodies

B. Specifications for Poly Aluminum Chloride

1. PACI coagulant **must** be directly comparable with UltraFloc 8302. Any alternative bid will not be considered without laboratory testing in FOUR (4) consecutive quarters by the supplier, prior to the bid opening. The supplier will also be asked to leave appropriate amounts of product for Phenix City staff to test within their lab, in a controlled side-by-side Jar Test, with the aforementioned chemical. Alternate coagulant must complete all aspects of the approval process before it will be considered by Phenix City.



2. Laboratory Testing: All bidders shall arrange for on-site testing of their products for the purpose of determining which products they intend to bid on. Testing shall be limited to jar testing only. Contact Barrett Crain at 334-291-4757.
3. Bid must be in compliance with AWWA **B403-03**, Standard for PACL.
4. PACL product must be approved by NSF to NSF Standard 60.
5. PACL shall contain no soluble material or organic substances, including polymer, in quantities capable of producing deleterious or injurious effects on the health of those consuming water that has been treated properly with stated product.
6. Poly Aluminum Chloride must have the following typical values:
 - i. Alumina,% Al₂O₃ 10.5% - 11.1%
 - ii. Specific Gravity: 1.255-1.285
 - iii. Basicity, %: 64-70
 - iv. Minimum Shelf Life: Six (6) Months
7. Deliveries: As needed with five (5) days' notice to the Phenix City Water Filtration Plant located at 1100 32nd St., Phenix City, Alabama 36867. Received between the hours of 8a.m. and 2p.m. Eastern Standard Time

C. Insurance Requirements

1. The Supplier will be required to furnish the City with the following insurance policies prior to final award of contract:
 - i. Workman's Compensation
 1. Statutory Limits
 - ii. General Liability
 1. \$500,000 /bodily injury
 2. \$100,000 /property damage
 3. \$250,000 /each person
 - iii. Auto Public Liability
 1. \$250,000 /person
 2. \$500,000 / Accident or occurrence
 3. \$100,000 /property damage
 - iv. Product Liability
 1. \$1,000,000 /occurrence

D. Information

1. For information in responding to this Invitation for Bids prospective bidders may contact the City of Phenix City Purchasing Agent (334) 448-2735.



UTILITIES DEPARTMENT

Physical Address: 1119 Broad Street
Phenix City, AL 36867

Mailing Address: P.O. Box 760
Phenix City, AL 36868

Ph: 334-448-2880 | Fx: 334-291-4742 | phenixcityal.gov

2. To be considered, bids must be received at the City of Phenix City's Purchasing Office.

E. Bid Amount from Vendor

1. Price per "as is" wet lb. of Poly Aluminum Chloride _____



PHENIX CITY
Alabama

UTILITIES DEPARTMENT

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ARTHUR L. DAY, JR.
Councilmember District 3

WALLACE B. HUNTER, City Manager
SHANNON DAVIS, City Clerk
JOHN SPRAGGINS, Utilities Director

City of Phenix City **Specifications for Bid# UT2026-03** **Lime Slurry (30% Suspension Calcium Hydroxide)**

I. General Terms and Conditions

1. Except as otherwise provided in this contract, the City of Phenix City shall order from the Contractor all Lime Slurry required to be purchased by the City of Phenix City during the contract period. The vendor will be responsible to get a business license with the city.
2. It is estimated that 1,400,000 lbs. of Lime Slurry will be required in the operation of the Waste Water Plant during the period October 1, 2026- September 30, 2027. Exact quantities cannot now be determined, but estimates are given. Quantities listed may be increased or decreased to meet the requirements of the City of Phenix City during the contract period. A minimum is not guaranteed.
3. A purchase order for the period of October 1, 2026- September 30, 2027 inclusive will be awarded as a result of this invitation for bid. Prices quoted shall remain firm for the entire term of the contract.
4. Deliveries are to be made to the City of Phenix City Waste Water Treatment Plant within 5 days following request for each delivery. Deliveries will be accepted only between the hours of 8:00 am through 2:00 pm EST. Monday through Friday (No Exceptions).
5. The City of Phenix City reserves the right to purchase Lime Slurry from another source if successful bidder is unable to deliver within the specified delivery time.



6. The Lime Slurry must **be bid in lbs.**
7. The Contract may be canceled by either party with 30 days written notice for failure to comply with the provisions of this contract.
8. Bids will be considered only from manufacturers or their authorized distributors. The authorized distributors must regularly maintain a substantial stock of the bid upon and must be actively engaged in the sale of Lime Slurry. Such stock and facilities may be examined by a representative of the City of Phenix City at any time either before award is made or during the life of the contract.
9. The City of Phenix City reserves the right to reject any and all bids or portions of bids, waive formalities and to make such award of contract as may be deemed to be the best advantage of the City. No bids may be withdrawn within thirty (30) days after date of opening.
10. Any required deposits, or other special fees shall be noted on the proposal.
11. The contractor will provide documentation on its driver training program developed to ensure they fully understand the safety and health hazards of hazardous substances they are delivering and the handling equipment they operate in order to protect themselves, the City's staff, citizens living near the facility, and the environment.

Material Safety Data Sheets: The supplier shall furnish Material Safety Data Sheets for the specified Lime Slurry immediately upon the first delivery. The MSDS shall be updated as required by law or if warranted by any manufacturer or product change.

II Specifications for Lime Slurry

1. Bid must be in compliance with B202-02: AWWA Standard for Quicklime and Hydrated Lime.
2. Bidder must include with the bid submitted an Affidavit stating that the Lime Slurry furnished under this contract complies with all applicable standards and requirements of B202-02: AWWA Standard for Quicklime and Hydrated Lime.

III Insurance Requirements

The Supplier will be required to furnish the City with the following insurance policies prior to final award of contract:

Workman's Comp. Statutory Limits	
General Liability	\$500,000 /bodily injury \$100,000 /property damage \$250,000 /each person
Auto Public Liability	\$250,000 /person \$500,000 / Accident or occurrence \$100,000 /property damage
Product Liability	\$1,000,000 /occurrence

IV Information

1. For information in responding to this Invitation for Bids prospective bidders may contact the City of Phenix City Purchasing Agent, Raisa Benson (334)448-2735.
2. To be considered, bids must be received at the City of Phenix City's Purchasing Office.

V Bid Amount from Vendor

Price per lb. of Lime Slurry _____



PHENIX CITY
Alabama

UTILITIES DEPARTMENT

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Phenix City, AL 36868

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Councilmember District 3

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SHANNON DAVIS, City Clerk
JOHN SPRAGGINS, Utilities Director

City of Phenix City Specifications for Bid# U2026-03 Copper Sulfate

A. General Terms and Conditions

1. Except as otherwise provided in this contract, the City of Phenix City shall order from the Contractor all Copper Sulfate required to be purchased by the City of Phenix City during the contract period. The vendor will be responsible to get a business license with the city.
2. It is estimated that 75000 lbs. of Copper Sulfate will be required in the operation of the Water Filtration Plant during the period October 1, 2026 – September 30, 2027. Exact quantities cannot now be determined, but estimates are given. Quantities listed may be increased or decreased to meet the requirements of the City of Phenix City during the contract period. A minimum is not guaranteed.
3. A purchase order for the period of October 1, 2026 – September 30, 2027 inclusive will be awarded as a result of this invitation for bid. Prices quoted shall remain firm for the entire term of the contract.
4. Deliveries are to be made to the City of Phenix City Water Filtration Plant within 5 days following request for each delivery. Deliveries will be accepted only between the hours of 8:00 am through 2:00 pm Eastern Time, Monday through Friday and not in holidays.
5. The City of Phenix City reserves the right to purchase Copper Sulfate from another source if successful bidder is unable to deliver within the specified delivery time.
6. The Copper Sulfate **must be bid in lbs. dry weight**, bids based on Gallons will not be accepted.
7. The Contract may be canceled by either party with 30 days written notice for failure to comply with the provisions of this contract.
8. Bids will be considered only from manufacturers or their authorized distributors. The authorized distributors must regularly maintain a substantial stock of the chemical bid upon and must be actively engaged in the sale of Copper Sulfate. Such stock and facilities may be examined by a representative of the City of Phenix City at any time either before award is made or during the life of the contract.

9. The City of Phenix City reserves the right to reject any and all bids or portions of bids, waive formalities and to make such award of contract as may be deemed to be the best advantage of the City. No bids may be withdrawn within ninety (90) days after date of opening.
10. Any required deposits, or other special fees shall be noted on the proposal.
11. The contractor will provide documentation on its driver training program developed to ensure they fully understand the safety and health hazards of hazardous substances they are delivering and the handling equipment they operate in order to protect themselves, the City's staff, citizens living near the facility, and the environment.
12. Material Safety Data Sheets: The supplier shall furnish Material Safety Data Sheets for the specified Copper Sulfate immediately upon the first delivery. The MSDS shall be updated as required by law or if warranted by any manufacturer or product change.
13. Certificate of Analysis: The supplier shall furnish Certificate of Analysis for the specified Copper Sulfate immediately upon arrival of each delivery. The Certificate of Analysis must include all of the following product specifications.
 - i. Copper Sulfate; %
 - ii. Specific Gravity
 - iii. Physical Appearance, containing no foreign bodies

B. Specifications for Copper Sulfate

1. Copper Sulfate Bid must be directly comparable with TMB® 471. Any alternative bid will not be considered
2. Laboratory Testing: All bidders shall arrange for on-site testing of their products for the purpose of determining which products they intend to bid on. Testing shall be limited to jar testing only. Contact Barrett Crain at 334-291-4757. The WFP will provide laboratory space for all vendors to test their Copper Sulfate prior to proposal due date. It will be the responsibility of the vendors to determine the best Copper Sulfate they have available for algae reduction.
3. Bid must be in compliance with ANSI/AWWA **B602-17**, Standard for Copper Sulfate.



4. Bidder must include with the bid submitted an Affidavit stating that the Copper Sulfate furnished under this contract complies with all applicable standards and requirements of ANSI/AWWA **B602-17**, Standard for Copper Sulfate.
5. Copper Sulfate shall contain no soluble material or organic substances, in quantities capable of producing deleterious or injurious effects on the health of those consuming water that has been treated properly with stated product.
6. Copper Sulfate must have the following typical values:
 - i. Copper Sulfate,% CuSO_4 25%
 - ii. Specific Gravity: 1.17-1.19
 - iii. Viscosity: 2.07 centipoise
 - iv. Minimum Shelf Life: Six (6) Months, without sediment in bulk storage tank.
7. Copper Sulfate 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 accredited certification organization in accordance with ANSI/NSF Standards Institute.
8. Deliveries: As needed with five (5) days' notice to the Phenix City Water Filtration Plant located at 1100 32nd St., Phenix City, Alabama 36867. Received between the hours of 8a.m. and 2p.m. Eastern Standard Time Monday through Friday except on holidays.
9. Bidder must provide APT test every month sent to Superintendent Barrett Crain.
10. Bidder must provide 300 gallon day tank with piping to chemical skid and to injection point for Copper Sulfate chemical.
11. Bidder must provide chemical feed pump and perform maintenance on chemical feed pump as needed.

C. Insurance Requirements

1. The Supplier will be required to furnish the City with the following insurance policies prior to final award of contract:
 - i. Workman's Compensation
 1. Statutory Limits
 - ii. General Liability
 1. \$500,000 /bodily injury
 2. \$100,000 /property damage
 3. \$250,000 /each person



iii. Auto Public Liability

1. \$250,000 /person
2. \$500,000 / Accident or occurrence
3. \$100,000 /property damage

iv. Product Liability

1. \$1,000,000 /occurrence

D. Information

1. For information in responding to this Invitation for Bids prospective bidders may contact the City of Phenix City Purchasing Agent (334)448-2897.
2. To be considered, bids must be received at the City of Phenix City's Purchasing Office.

E. Bid Amount from Vendor

1. Price per lb. (dry weight) of Copper Sulfate _____



PHENIX CITY
Alabama

UTILITIES DEPARTMENT

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Councilmember District 2

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Councilmember District 3

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SHANNON DAVIS, City Clerk
JOHN SPRAGGINS, Utilities Director

City of Phenix City Specifications for Bid# UT2026-03 Zinc Orthophosphate

I. General Terms and Conditions

- a. Except as otherwise provided in this contract, the City of Phenix City shall order from the Contractor all Zinc Orthophosphate required to be purchased by the City of Phenix City during the contract period. The vendor will be required to obtain a business license with the city.
- b. It is estimated that 114,000 lbs. of Zinc Orthophosphate will be required in the operation of the Water Filtration Plant during the period October 1, 2026-September 30, 2027. Each delivery must be between 38,000 – 40,000 wet pounds. Higher delivery volumes per shipment will not be permitted. Exact annual quantities cannot now be determined, but estimates are given. Annual quantities listed may be increased or decreased to meet the requirements of the City of Phenix City during the contract period. A minimum purchase amount is not guaranteed.
- c. A purchase order for the period of October 1, 2026 – September 31, 2027 inclusive will be awarded as a result of this invitation for bid. Prices quoted shall remain firm for the entire term of the contract. The contract may be extended in one year increments for a maximum (3) three years upon written agreement of both parties. No invoices will be paid prior to acceptance of contract by City of Phenix City.
- d. Deliveries are to be made to the City of Phenix City Water Filtration Plant within (5) five days following request for each delivery. Deliveries will be accepted only between the hours of 8:00 am through 2:00 pm Eastern Time, Monday through Friday (No Exceptions).
- e. The City of Phenix City reserves the right to purchase Zinc Orthophosphate from another source if successful bidder is unable to deliver within the specified delivery time.
- f. The Zinc Orthophosphate **must** be bid in **lbs. wet ("as is") weight**.

- g.** The Contract may be canceled by either party with 30 days written notice for failure to comply with the provisions of this contract.
- h.** Bids will be considered only from manufacturers or their authorized distributors. The authorized distributors must provide documentation from their manufacturer certifying that they are their exclusive authorized distributor, that they will regularly maintain a substantial stock of zinc orthophosphate, and must be actively engaged in the sale of Zinc Orthophosphate. Such stock and facilities may be examined by a representative of the City of Phenix City at any time either before award is made or during the life of the contract.
- i.** The contractor must provide quarterly, site specific water quality field testing, using their own Colorimeter/Spectrophotometer. Testing must include: iron (as Fe), manganese (as Mn), residual orthophosphate (as PO₄), pH, and chlorine residuals.
- j.** The contractor must provide quarterly, site specific corrosion and scale monitoring; using C1010 mild steel and 316-L stainless steel coupons.
- k.** The contractor must provide detailed distribution system monitoring reports tracking results with charts, graphs, and with data driven recommendations.
- l.** The contractor must provide the Corrosion Sentry™ platform (or a proven, similar AI predictive modeling platform) to support corrosion control chemistry, system-specific application, and to optimize the prevention of lead (Pb) and copper (Cu) leaching.
- m.** The City of Phenix City reserves the right to reject any and all bids or portions of bids, waive formalities and to make such award of contract as may be deemed to be the best advantage of the City. No bids may be withdrawn within thirty (30) days after date of bid opening.
- n.** Any required deposits, or other special fees shall be noted on the proposal.
- o.** The contractor will provide documentation on its driver training program developed to ensure they fully understand the safety and health hazards of hazardous substances they are delivering and the handling equipment they operate

in order to protect themselves, the City's staff, citizens living near the facility, and the environment.

II. Specifications for Zinc Orthophosphate

- a. General:** The Phenix City Water Filtration Plant is a 15 MGD surface water treatment plant. The current average of water production is 6.0 MGD. This facility has been using a blended zinc orthophosphate (3:1) in the water distribution system for several years. The successful bidder must maintain corrosion rates equal to or better than our present program, which is always less than 5-mpy and generally less than 3-mpy. C1010 mild steel coupons measuring mils per year (mpy) corrosion will be used. Corrosion analysis must be performed every (90) ninety days by an independent laboratory acceptable to the City of Phenix City, Utilities Department and test results shall be remitted to the City of Phenix City along with any recommended dosage adjustments. All costs incurred for testing will be included in the bid price. The coupons will be installed in four (4) "by-pass" racks in the distribution system as designated by the City of Phenix City, Utilities Department for monitoring corrosion rates. Initial coupons are to be changed out within (2) two weeks of notification of awarding bid. Analysis shall be performed on the removed coupons by an independent lab and the results submitted to City of Phenix City, Utilities Department. High levels of local service are required during the contract period in support of chemical usage. Hence, contractor must have an employee living in the state of Alabama. Testing shall also include quarterly testing in the distribution system to ensure desired residuals and results are maintained at a minimum of four (4) sites. (Locations may change during the contract period). Testing shall include iron, manganese, total phosphate, chlorine, and pH. Control limits in the distribution system will be **1.30-1.90 mg/l as PO₄, <0.05 mg/l Manganese (as Mn), and <0.15 mg/l Iron (as Fe).**
- b. Support:** Supplier will provide data supported recommendations with detailed graphs to track results, formal quarterly reports, and an annual review based upon the analysis and customer complaints associated with the corrosion control program. The supplier shall identify the name, address, and phone number of two (2) individuals responsible for technical assistance and service. One (1) of these individuals must live in the state of Alabama. These individuals will be available at any time, day or night, during the contract period to provide assistance to the City.
- c. Product Benefits:** Product must form a protective zinc orthophosphate film on mild steel, copper, lead and other metals to control corrosion.



- d. **Product Description:** Product must be a clear, colorless liquid with no foreign odor or materials.
 - e. **Typical Values:** Product must have the following values:
 - i. Specific gravity @ 25°C: 1.50-1.65
 - ii. Phosphate Content (as PO₄): 36% minimum
 - iii. Zinc Content (as Zn): 12% minimum
 - iv. Phosphate to Zinc Ratio: 3:1
 - v. Lbs. per gallon : 12.51-13.76
 - f. **Packaging:** The City of Phenix City will place orders of the product for 2,900 - 3,100 gallons per order. Tanker must have ability to hold 2,900-3,100 gallons. Tanker must have the capability to pump product to a third floor storage tank.
 - g. **Labeling Requirements:** The product must be labeled and have DOT CORROSIVE label as required by law.
 - h. **Material Safety Data Sheet:** Bidders must submit an SDS for product offered with bid. The successful bidder must provide an SDS for product with each delivery.
 - i. **Key Properties:** The product must be relatively non-volatile and stable at elevated temperatures.
 - j. **Governmental Approvals:** The product must be NSF60 approved.
- III. **Insurance Requirements:** The Supplier will be required to furnish the City with the following insurance policies prior to final award of contract:
- a. Workman's Compensation: Statutory Limits
 - b. General Liability
 - i. \$500,000 /bodily injury
 - ii. \$100,000 /property damage
 - iii. \$250,000 /each person
 - c. Auto Public Liability
 - i. \$250,000 /person
 - ii. \$500,000 / Accident or occurrence
 - iii. \$100,000 /property damage
 - d. Product Liability: \$1,000,000 /occurrence

IV. Information

- a. For information in responding to this Invitation for Bids prospective bidders may contact the City of Phenix City, Purchasing Clerk, Raisa Benson (334)448-2735.
- b. To be considered, bids must be received at the City of Phenix City's Purchasing Office.

V. Bid Amount from Vendor

- a. Price per lb. of Zinc Orthophosphate _____ delivered in 3000 gallon tank trailer.