CITY OF CONCORD
CONCORD, NORTH CAROLINA

FOR

BID# 2291
VARIOUS CHEMICALS

FOR

WATER RESOURCES DEPARTMENT

ANNOUNCED DATE: TUESDAY, MAY 31, 2016

DUE DATE: TUESDAY, JUNE 14, 2016

TIME: 2:00 PM
IN CONFERENCE ROOM C
ALFRED M. BROWN OPERATIONS CENTER
850 WARREN C. COLEMAN BOULEVARD
CONCORD, NORTH CAROLINA 28025

REQUEST FOR BID

The City of Concord will receive sealed bids on Tuesday, June 14, 2016 at 2:00 PM, in Conference Room C, Alfred M. Brown Operations Center, 850 Warren C. Coleman Boulevard, Concord, North Carolina 28025. Said proposals will be publicly opened and read for:

BID# 2291
VARIOUS CHEMICALS

Copies of the specifications if not included in the bid can be obtained by contacting the Purchasing Department, Alfred M. Brown Operations Center, 850 Warren C. Coleman Blvd., P.O. Box 308, Concord, N.C. 28025. Telephone # 704-920-5441, Fax # 704-785-8856.

NC General Statutes, including G.S. §143-129, and the city of Concord, NC General Specifications and Instructions to bidders will govern the RFB and award of the contract.

The City of Concord reserves the right to reject any or all bids.

Sid Talbert
Purchasing Manager
City of Concord, N.C.

In accordance with state law (G.S. 143.129), the award shall be made to the lowest responsible, responsive bidder, taking into consideration quality, performance, the time specified in the bid. Prices should be quoted for each line as well as a price for the total award.

Each bid must be submitted in a sealed envelope, so marked as to indicate its contents when being opened. **All bids should be marked BID #2291 VARIOUS CHEMICALS**

An authorized official of the firm must sign the bid.

The vendor will be required to submit a written request for payment. Payment will depend on projected delivery date stated in the bid for items and certified acceptable by Christie Putnam – Water Resources Director, for City of Concord, P.O. Box 308, Concord, North Carolina 28025. Telephone# 704-920-5343. Questions concerning bid requirements or specifications should be directed to the Purchasing Manager, Alfred M. Brown Operations Center, 850 Warren C. Coleman Boulevard, P.O. Box 308, Concord, NC 28025. Any changes in specifications will be in writing in form of an addendum and furnished to all bidders. Verbal information obtained otherwise will not be considered in the awarding of bids. No changes to specifications will be permitted within (5) days to the bid opening.

Instructions for preparation and submission of a bid/proposal are contained in the attached packet. Please note that specific forms for submission may be required. Any changes to the conditions and specifications must be in the form of a written addendum to be valid; therefore, the Purchasing Department will issue a written addendum to document on all approved changes. Any bid submitted which does not acknowledge the receipt of an issued addendum will not be considered. Bidders should have no contact with elected officials or appointed officials except the Purchasing Manager during the bidding process. Any such contact will subject bidders to immediate disqualification. Questions regarding specifications should be directed to the Purchasing Manager. A bid proposal from your firm will be appreciated.

Bid Proposal

City of Concord
P.0. Box 308
Concord, North Carolina

Gentlemen/Ladies:

The undersigned, as bidder, hereby declares the proposal is made without connection with any other person, company, or parties making a similar bid or proposal, and that it is in all respects fair and in good faith without collusion or fraud. The Bidder has carefully examined the annexed form of the specifications and instructions to the bidder and hereby declares that he will furnish the material called for in a manner prescribed in the specifications and instructions to bidders for the following prices listed.

PRICE _____

DELIVERY DATE _____

COMPANY NAME _____

AUTHORIZED SIGNATURE _____

TYPE NAME AND TITLE _____

FEDERAL ID # _____

NC CONTRACTORS LICENSE # _____

TELEPHONE # _____

Note:
This signature page must be signed for your bid to be valid.

GENERAL SPECIFICATIONS & INSTRUCTIONS TO BIDDERS

Scope

It is the intent of this bid invitation to obtain proposals for supplying the materials, supplies and/or equipment listed on the Proposal Sheet. You are requested to submit your bid on the enclosed Proposal Sheet and return the entire sealed package to Sid Talbert, Purchasing Manager, City of Concord (hereinafter "City"), PO Box 308, Concord, NC 28026-0308 no later than the time specified in the bid advertisement. Bidders will be required to comply with all applicable statutes, regulations, and local ordinances, ect. And those attached to and made a part of the proposal.

Marking of Bid Envelopes

Bids must be contained in a sealed envelope, plainly marked, showing the bid name, bid number, date, time for opening bids and the bidder's name.

Late Bids Not Considered

Bids received after the stipulated bid opening date and time will not be considered.

Compliance With Specifications

Your bid must be in strict compliance with the specifications and offer the same or equal equipment. Exceptions are to be listed separately in a letter that will become a part of your proposal; otherwise, it is fully understood that the equipment offered is exactly as specified. The City reserves the right to allow or disallow minor deviations from the specifications in order to purchase what is best for the City from a standpoint of quality, price and service to be rendered.

Standard Equipment

To protect the interest of the City, the bidder guarantees that the equipment bid is standard equipment with parts regularly used for equipment offered. There must be no parts or attachments substituted or applied contrary to the manufacturer's recommendations and standards unless expressly called for in the specifications.

Warranty

In submitting a bid, the bidder warrants that all goods furnished shall be free from all defects and shall conform in all respects to the Technical Specifications established herein. Unless otherwise specified, all items shall be guaranteed for a minimum of one (1) year against defects in material and workmanship. At any time during that period, if a defect should occur in any item, that item shall be repaired or replaced by the seller at no cost to the buyer except where it can be shown that the defect was caused by misuse. The bidder expressly warrants that all items bid are fit and sufficient for their intended purpose. If the specifications contain a statement of the particular

purpose for which the goods will be used, the goods offered by bidder shall be fit for this purpose.

Shipping

All prices are to be quoted f.o.b. Concord N.C. delivered unless otherwise specified. Risk of loss and/or damage shall be upon the seller until such time as the goods have been physically delivered and accepted by the buyer.

Unit Prices to Prevail

Prices shall be submitted on per unit basis by line item. In the event of a disparity between the unit price and the extended price, the unit price shall prevail.

Bid Price Corrections

All prices and notations shall be written in ink or typed. Changes or corrections made on the bid form must be initialed by the individual signing the bid. No corrections will be permitted once bids have been opened.

Withdrawal of Bids

Bids may be withdrawn at any time prior to the time specified for the bid opening upon written or personal request of the bidder. No bid may be withdrawn for a period of sixty (60) days after the scheduled bid opening time and date. Negligence on the part of the bidder shall not constitute a right to withdraw the bid subsequent to such bid opening.

Use of Brand Names and References

Unless otherwise stated, the use of manufacturer's names and product numbers are for descriptive purposes and establishing general quality levels only. They are not intended to be restrictive. Bidders are required to state exactly what they intend to furnish; otherwise it is fully understood that they shall furnish all items as stated.

Alternate Bids

Bid submitted as alternate which do not meet or exceed the minimum specifications shall be rejected except that minor deviations may be acceptable. The City shall be the sole judge of what is considered a minor deviation.

Time For Delivery

The time for delivery must be stated in calendar days on the Proposal Sheet and may be a factor in making awards, price notwithstanding.

Rejection of Bids

The City reserves the right to reject any and all bids.

Bonds

A 5% bid bond is waived for the purchases of apparatus, supplies, materials or equipment as stated in the cover section. A 100% performance bond is also waived.

Award

Award shall be made to the lowest responsible, responsive bidder, taking into consideration quality, performance, time specified in the bids for the performance of the contract.

Brochures and Literature

The proposal must be accompanied by descriptive literature marked, indicating the exact item(s) bid upon. The term "as specified" will not be acceptable.

Addendums

The City shall not be responsible for any oral instructions made by its employees or officers of the City with regard to bidding instructions, drawings, specifications or contract documents. Any changes to the specifications will be in the form of an Addendum, which will be mailed to all bidders who are listed with the Purchasing Department as having received the invitation or any other bidder who requests an Addendum.

Responsibility of Compliance With Legal Requirements

The bidder's products, service and facilities shall be in full compliance with any and all applicable state, federal, local, environmental and safety laws, regulations, ordinances and standards, or any standard adopted by nationally recognized testing facilities regardless of whether or not they are referred to in the invitation.

Taxes

The City of Concord is subject to 7% N.C. Sales & Use tax. Tax will not be shown on the proposal; however, invoices will indicate all applicable sales tax. The city is exempt from Federal Excise Tax and will provide a Federal Exemption number.

Terms and Conditions

Payment will be made by the City in full for all equipment delivered as soon after complete delivery and receipt of a correct invoice as can be processed in accordance with these specifications.

Any company submitting a "No Bid" response to a bid invitation should clearly mark the outside of the envelope.

Terms and Conditions attached to the bid by the bidder and made a condition of purchase may render the bid non-responsive and may be rejected by the City.

Terms and Conditions included herein are an integral part of the bid document and shall prevail, unless changes or attachments are agreed to and initialed by the City prior to the bid opening.

Introduction in Use of Goods: Demonstration

A demonstration may be required of the goods bid upon. The demonstration shall be at no cost to the City. If the bidder cannot make a demonstration within twenty days of the request, his or her bid may be rejected. Performance of the equipment at the demonstration must be made with the exact equipment offered in the bid and may be completed at the same time as competitive demonstrations.

Trade-ins

Goods listed for trade-in, if any, may be examined after contacting the Purchasing Department. Goods listed for trade-in are represented "as is" and "where is". Such goods will be released to the successful bidder after receipt of the new equipment and in the same condition as when examined, excepting normal wear and tear.

The City reserves the right to retain goods listed as trade-in if it is deemed to be in the best interest to do so.

Training/Safety

When requested or required, a factory-trained representative shall be present at the time of delivery to train City personnel in the use of and/or safety aspect of the equipment or chemical. The factory representative shall effectively train the City personnel in all aspects, including assembly, disassembly, operating procedures, safety and any other training necessary for its safe and effective use. Items received without sufficient training when requested will be set aside and payment withheld until sufficient training can be completed.

Training shall include OSHA related training in the handling of hazardous materials.

MSDS sheets must be sent with each order. Failure to provide MSDS sheets prior to or at the time of delivery will result in withholding payment until such sheets are received.

Service

All vehicles furnished under a bid shall receive without additional cost whatsoever the usual check-up, guarantees and adjustment identical to that which is normally furnished on vehicles sold to the general public.

Manuals

One parts, one service, and one operators manual shall be furnished with each type vehicle delivered if applicable to this bid.

Bankruptcy

Successful bidders shall execute a contract that contains the following language:

If any bankruptcy or insolvency proceedings are commenced against the contractor
And are not dismissed within thirty (30) days after service of such proceeding on the
Contractor, or if the contractor shall file petition in bankruptcy or for reorganization or
To effect a plan or other arrangement with creditors, or be adjudicated bankrupt or make an assignment for the benefit of creditors, or be dissolved or liquidated, or shall
Admit in writing its inability to pay its debts generally as they become due, or a receiver, trustee or liquidator of the contractor or of all or substantially all of the property of the contractor is appointed in any proceeding brought by the contractor, or if any such receiver, trustee, or liquidator is appointed in any proceeding against the contractor, and any such receiver, trustee or liquidator is not discharged within (30) days after service of such appointment on the contractor, this agreement shall be null and void.

W-9 Form

Prior to the first payment by the City under any contract awarded to the successful bidder, the successful bidder shall submit a complete and accurate W-9 form to the Purchasing Manager.

Dissolution of Corporate Status

Successful bidders shall execute a contract that contains the following language:

Failure to register the agent of the corporation or other business entity, if any, with the N.C. Secretary of State or voluntary, judicial or administrative dissolution of the corporation or other business entity shall automatically terminate this contract or agreement unless the bidder or contractor notifies the City of Concord in writing within 72 hours of the dissolution or failure to register the agent and makes satisfactory arrangements and/or guarantees with the City Purchasing Officer and City Attorney to fulfill the contractors obligations under the contract or agreement.

It is the intent of the City of Concord to issue purchase orders for the bid items to cover the Fiscal Year July 1, 2016 to June 30, 2017. Quantities are estimates only and the City reserves the right to purchase more or less for the entire fiscal year and extend pricing if mutually agreed upon with the vendor and the City of Concord.

SPECIFICATIONS FOR LIQUID ALUMINUM SULFATE

The company submitting this bid agrees to deliver to the Coddle Creek Water Treatment Plant, 6935 Davidson Hwy., Concord, North Carolina, approximately 1,300,000 lbs. or 650 dry tons total of Liquid Alum, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 1 tanker 4,500 gals. at 1 to 2 week intervals.

The product must conform to AWWA standards for drinking water and be listed with the National Sanitation Foundation. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance with the specifications upon request.

Technical service required within 72 hours after request is placed.

All prices must be based FOB delivered to the Coddle Creek Water Treatment Plant within 15 days of the effective date of this contract, and that all future orders can be delivered within 5 days of the placement of the order. All deliveries are to be made Monday through Friday between 6 A.M. and 4 P.M. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no onsite disposal. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

The supplier must submit with his bid, a certificate of insurance carried as liability in the transport and sale of Liquid Alum.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City, the contract may be extended for additional periods.

Bid unit price per dry ton of product $ Base bid
(Bid unit price per dry ton x tons approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any or all bids, waive technicalities, and be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR LIQUID SODIUM HYPOCHLORITE

The company submitting this bid agrees to deliver to the Coddle Creek Water Treatment Plant, 6935 Davidson Hwy., Concord, North Carolina, approximately 135,000 gals. of Liquid Sodium Hypochlorite, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 4,500 gals. at 1 to 2 week intervals.

The product must be 15-16% minimum chlorine by volume.

The product must conform to AWWA standards for drinking water and be listed with the National Sanitation Foundation. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance with the specifications upon request.

The maximum metals content are:
*Mercury 1.0 mg/L
*Copper 0.050 mg/L
*Nickel 0.050 mg/L
*Iron 0.100 mg/L

The maximum calcium content shall be no greater than 1.0 mg/L and the maximum magnesium content shall be no greater than 3.0 mg/L.

Technical service required within 72 hours after request is placed.

All prices must be based FOB delivered to Coddle Creek Water Treatment Plant within 15 days of the effective date of this contact, and that all future orders can be delivered within 5 days of the placement of the order. All deliveries are to be made Monday through Friday between 6 A.M. and 4 P.M. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no on site disposal. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

The supplier must submit with his bid a certificate of insurance carried as liability in the transport and sale of Liquid Sodium Hypochlorite.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City, the contract may be extended for additional periods.

Bid unit price per gallon of product $ Base bid
(Bid unit price per gallon x gals. approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any or all bids, waive technicalities, and will be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR SODIUM HYDROXIDE SOLUTION 50% (CAUSTIC SODA)

The company submitting this bid agrees to deliver to the Coddle Creek Water Treatment Plant, 6935 Davidson Hwy., Concord, North Carolina, approximately 150 dry tons total of Sodium Hydroxide Solution 50%, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 1 tanker at 1 to 2 month intervals.

The product must conform to AWWA standards for drinking water and be listed with the National Sanitation Foundation. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance with the specifications upon request.

Technical service required within 72 hours after request is placed.

All prices must be based FOB delivered to the Coddle Creek Water Treatment Plant within 15 days of the effective date of this contract, and that all future orders can be delivered within 5 days of the placement of the order. All deliveries are to be made Monday through Friday between 6 A.M. and 4 P.M. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no onsite disposal. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

The supplier must submit with his bid, a certificate of insurance carried as liability in the transport and sale of Sodium Hydroxide.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City, the contract may be extended for additional periods.

Bid unit price per dry ton of product $ Base bid
(Bid unit price per dry ton x tons approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any or all bids, waive technicalities, and be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR LIQUID POLYPHOSPHATE

The company submitting this bid agrees to deliver to the Coddle Creek Water Treatment Plant, 6935 Davidson Hwy., Concord, North Carolina, approximately 60,000 lbs. or 100 – 55 gal. drums of Liquid Polyphosphate, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 12,000 lbs. or 20 drums plus or minus at 2-3 month intervals.

The product must conform to AWWA standards for drinking water and be listed with the National Sanitation Foundation. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance with the specifications listed below upon request.

1. Product must be able to function as a coagulation aid in the treatment process.
2. Product must sequester iron and manganese over a temperature range from five (5) degrees to one hundred (100) degrees Centigrade, and have a shelf life in excess of two (2) years.
3. Product must function as a corrosion inhibitor without the presence of zinc.
4. Product must be able to remove existing deposits without causing any major cosmetic / quality problems to the end user (City water customers).
5. Product must not increase bacteria colony counts in the distribution system and also not increase system chlorine demand on maintenance dosage.
6. Product must be a liquid and not precipitate out during handling and storage.
7. Product must have a pH range between 4 and 5 and not have harmful effect on water plant personnel due to application or end user due to consumption.
8. Successful bidder must provide application instructions and provide quarterly water analysis to monitor and verify performance of product upon request.**
9. Product and supplier must have a successful history of use in municipalities of similar size for a period of at least five (5) years.

Form: Liquid
Grade: Food Grade
Specific Gravity: Minimum 1.36
Weight: Minimum 11.4 lbs. per gal.
Odor: None
Appearance: Clear Liquid
pH: 4 to 5 +/- 0.3
Solubility: Must be 100%
Boiling Point: Above 99 degrees Centigrade
Shelf Life: In excess of two (2) years
Freeze/Thaw Recovery: Complete
*Phosphate Content (as PO 4): 18%
*Orthophosphate Content (as PO 4): 18%

**Methods by which these values are obtained must be stated herein on a separate sheet and submitted with the bid. Should verification become necessary, samples will be sent to an independent laboratory and all costs incurred will be borne by the bidder. This analysis must include, but not limited to pH, total hardness, total iron, total manganese, orthophosphate and total phosphate.

Analytical procedures for determining these values must be methods as approved by the U.S. EPA and are found in Standard Methods for the Examination of Water and Wastewater. Any other test procedures are not acceptable and submittal of such will be cause for rejection of bid.

All prices must be FOB delivered to the Coddle Creek Water Treatment Plant within 15 days of the effective date of this contract, and that all future orders can be delivered within 5 days of the placement of the order. All deliveries are to be made Monday through Friday between 6 A.M. and 4 P.M. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no on site disposal. Used pallets and empty drums will be collected by the driver and returned to the vendor. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

The supplier must submit with his bid, a certificate of insurance carried as liability in the transport and sale of Liquid Polyphosphate.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City the contract may be extended for additional periods.

Bid unit price per pound of product $ Base bid
(Bid unit price per pound x lbs. approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any and all bids, waive technicalities, and will be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR HYDROFLUOSILICIC ACID

The company submitting this bid agrees to deliver to the Coddle Creek Water Treatment Plant, 6935 Davidson Hwy., Concord, North Carolina, approximately 99,000 lbs. or 180 – 55 gal. drums total of Hydrofluosilicic Acid, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 11,000 lbs. or 20 drums plus or minus at 1 to 2 month intervals.

Any bid that requires a drum deposit will not be considered.

The product must conform to AWWA standards for drinking water. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance with the specifications upon request.

Technical service required within 72 hours after request is placed.

All prices must be based FOB delivered to the Coddle Creek Water Treatment Plant within 15 days of the effective date of this contract, and that all future orders can be delivered within 5 days of the placement of the order. All deliveries are to be made Monday through Friday between 6 A.M. and 4 P.M. Delivery personnel will be required to follow all OSHA PPE requirements. All spills or leaks are to be cleaned up by the vendor and there will be no on site disposal. Used pallets and empty drums will be collected by the driver and returned to the vendor. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

The supplier must submit with his bid, a certificate of insurance carried as liability in the transport and sale of Hydrofluosilicic Acid.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City, the contract may be extended for additional periods.

Bid unit price per pound of product $ Base bid
(Bid unit price per pound x lbs. approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any and all bids, waive technicalities, and will be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR POTASSIUM PERMANGANATE

The company submitting this bid agrees to deliver to the Coddle Creek Water Treatment Plant, 6935 Davidson Hwy., Concord, North Carolina, approximately 48,000 lbs. total of Potassium Permanganate, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 4,000 lbs. at 1 month intervals.

The product offered shall be Cairox Free-Flowing grade as manufactured by Carus Chemical Company, or other approved domestic product. Bids for non-domestic product will not be considered. The product must conform to AWWA standard B630-83 with a guaranteed 95% assay and be in granular crystalline form packaged in 55.13 lb. plastic containers. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance upon request.

Technical service required within 72 hours after request is placed.

All prices must be based FOB delivered to Coddle Creek Water Treatment Plant within 15 days of the effective date of this contract, and that all future orders can be delivered within 5 days of the placement of the order. All deliveries are to be made Monday through Friday between 6 A.M. and 4 P.M. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no on site disposal. Empty pallets will be collected by the driver and returned to the vendor. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

The supplier must submit with his bid, a certificate of insurance carried as liability in the transport and sale of Potassium Permanganate.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City, the contract may be extended for additional periods.

Bid unit price per pound of product $ Base bid
(Bid unit price per pound x lbs. approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any and all bids, waive technicalities, and will be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR POWDERED ACTIVATED CARBON

The company submitting this bid agrees to deliver to the Coddle Creek Water Treatment Plant, 6935 Davidson Hwy., Concord, North Carolina, approximately 240,000 lbs. of Powdered Activated Carbon, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately one tanker 30,000 to 40,000 lbs. at 1 to 3 month intervals.

This product must meet the physical and performance requirements of ANSI/AWWA B 600-05 Carbon Standard for powdered activated carbon. This product should be certified to NSF/ANSI Standard 61 with a maximum use level of 250 mg/l.

This product shall be a premium activated lignite based or wood based carbon and will be primarily used for the removal of tastes, odors and other organics from potable water supplies. It should be the most effective water treatment carbon available for the removal of tannins and humic acids. These are precursors of Total Trihalomethanes and Haloacetic Acids and are major contributors to color and taste. This product should be effective for removing the extremely odorous compounds geosmin and methylisoborneol from raw surface waters.

Product Specifications

Tannin value, mg/l	175-250
Iodine number, mg/l	800 min.
Moisture, % as packed	8 max.
Surface area, m2/g	1200-1600
Mesh Size:	
Less than 100 mesh (100 μm)	99 min.
Less than 200 mesh (75 μm)	95 min.
Less than 325 mesh (45 μm)	90 min.

Technical service required within 72 hours after request is placed.

All prices must be based FOB delivered to the Coddle Creek Plant within 15 days of the effective date of the contract, and that all future orders can be delivered within 7 days of the date of the placement of the order. All deliveries are to be made Monday through Friday between 6 A.M. and 4 P.M. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no onsite disposal. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

The supplier must submit with the bid, a certificate of insurance carried as liability in the transport and sale of Powdered Activated Carbon.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City, the contract may be extended for additional periods.

Bid unit price per pound of product $ Base bid
(Bid unit price per pound x lbs. approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any or all bids, waive technicalities, and will be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR LIQUID ALUMINUM SULFATE

The company submitting this bid agrees to deliver to the Hillgrove Water Treatment Plant, 55 Palaside Dr., Concord, North Carolina, approximately 540,000 lbs. or 270 dry tons total of Liquid Alum, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 1 tanker 4,500 gals. at 1 to 3 week intervals.

The product must conform to AWWA standards for drinking water and be listed with the National Sanitation Foundation. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance with the specifications upon request.

Technical service required within 72 hours after request is placed.

All prices must be based FOB delivered to the Hillgrove Water Treatment Plant within 15 days of the effective date of this contract, and that all future orders can be delivered within 5 days of the placement of the order. All deliveries are to be made Monday through Friday between 8 A.M. and 12 P.M. No holiday delivery. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no onsite disposal. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

The supplier must submit with his bid, a certificate of insurance carried as liability in the transport and sale of Liquid Alum.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City, the contract may be extended for additional periods.

Bid unit price per dry ton of product $ Base bid
(Bid unit price per dry ton x tons approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any or all bids, waive technicalities, and be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR LIQUID SODIUM HYPOCHLORITE

The company submitting this bid agrees to deliver to the Hillgrove Water Treatment Plant, 55 Palaside Dr., Concord, North Carolina, approximately 70,000 gals. of Liquid Sodium Hypochlorite, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 4,500 gals. at 3 to 4 week intervals.

The product must be 12% chlorine by volume. **Deliveries with chemical temperatures above 100 degrees Fahrenheit will not be accepted.**

The product must conform to AWWA standards for drinking water and be listed with the National Sanitation Foundation. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance with the specifications upon request.

The maximum metals content are:
*Mercury 1.0 mg/L
*Copper 0.050 mg/L
*Nickel 0.050 mg/L
*Iron 0.100 mg/L

The maximum calcium content shall be no greater than 1.0 mg/L and the maximum magnesium content shall be no greater than 3.0 mg/L.

Technical service required within 72 hours after request is placed.

All prices must be based FOB delivered to Hillgrove Water Treatment Plant within 15 days of the effective date of this contact, and that all future orders can be delivered within 5 days of the placement of the order. All deliveries are to be made Monday through Friday between 8 A.M. and 12 P.M. No holiday delivery. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no on site disposal. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

The supplier must submit with his bid a certificate of insurance carried as liability in the transport and sale of Liquid Sodium Hypochlorite.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City, the contract may be extended for additional periods.

Bid unit price per gallon of product $ Base bid
(Bid unit price per gallon x gals. approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any or all bids, waive technicalities, and will be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR SODIUM HYDROXIDE SOLUTION 25% (CAUSTIC SODA)

The company submitting this bid agrees to deliver to the Hillgrove Water Treatment Plant, 55 Palaside Dr., Concord, North Carolina, approximately 73,600 gals. of Sodium Hydroxide Solution 25%, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 4,100 gals. at 3 to 4 week intervals.

The product must conform to AWWA standards for drinking water and be listed with the National Sanitation Foundation. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance with the specifications upon request.

Technical service required within 72 hours after request is placed.

All prices must be based FOB delivered to Hillgrove Water Treatment Plant within 15 days of the effective date of this contact, and that all future orders can be delivered within 5 days of the placement of the order. All deliveries are to be made Monday through Friday between 8 A.M. and 12 P.M. No holiday delivery. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no on site disposal. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

Deliveries will require a 3x2 blowdown fitting and at least 2 sections of 20ft. hose. Delivery unloading pressure should not exceed a maximum of 15-18 psi.

The supplier must submit with his bid a certificate of insurance carried as liability in the transport and sale of Sodium Hydroxide.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City, the contract may be extended for additional periods.

Bid unit price per gallon of product $ Base bid
(Bid unit price per gallon x gals. approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any or all bids, waive technicalities, and will be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR LIQUID POLYPHOSPHATE

The company submitting this bid agrees to deliver to the Hillgrove Water Treatment Plant, 55 Palaside Dr., Concord, North Carolina, approximately 31,800 lbs. or 53 – 55 gal. drums of Liquid Polyphosphate, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 6,300 lbs. or 10 drums at 3 month intervals. Delivery quantity shall not exceed a maximum of 10 drums.

The product must conform to AWWA standards for drinking water and be listed with the National Sanitation Foundation. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance with the specifications listed below upon request.

1. Product must be able to function as a coagulation aid in the treatment process.
2. Product must sequester iron and manganese over a temperature range from five (5) degrees to one hundred (100) degrees Centigrade, and have a shelf life in excess of two (2) years.
3. Product must function as a corrosion inhibitor without the presence of zinc.
4. Product must be able to remove existing deposits without causing any major cosmetic / quality problems to the end user (City water customers).
5. Product must not increase bacteria colony counts in the distribution system and also not increase system chlorine demand on maintenance dosage.
6. Product must be a liquid and not precipitate out during handling and storage.
7. Product must have a pH range between 4 and 5 and not have harmful effect on water plant personnel due to application or end user due to consumption.
8. Successful bidder must provide application instructions and provide quarterly water analysis to monitor and verify performance of product upon request.**
9. Product and supplier must have a successful history of use in municipalities of similar size for a period of at least five (5) years.

Form: Liquid
Grade: Food Grade
Specific Gravity: Minimum 1.36
Weight: Minimum 11.4 lbs. per gal.
Odor: None
Appearance: Clear Liquid
pH: 4 to 5 +/- 0.3
Solubility: Must be 100%
Boiling Point: Above 99 degrees Centigrade
Shelf Life: In excess of two (2) years
Freeze/Thaw Recovery: Complete
*Phosphate Content (as PO 4): 18%
*Orthophosphate Content (as PO 4): 18%

**Methods by which these values are obtained must be stated herein on a separate sheet and submitted with the bid. Should verification become necessary, samples will be sent to an independent laboratory and all costs incurred will be borne by the bidder. This analysis must include, but not limited to pH, total hardness, total iron, total manganese, orthophosphate and total phosphate.

Analytical procedures for determining these values must be methods as approved by the U.S. EPA and are found in Standard Methods for the Examination of Water and Wastewater. Any other test procedures are not acceptable and submittal of such will be cause for rejection of bid.

All prices must be FOB delivered to the Hillgrove Water Treatment Plant within 15 days of the effective date of this contract, and that all future orders can be delivered within 5 days of placement of order. All deliveries are to be made Monday through Friday between 8 A.M. and 12 P.M. No holiday delivery. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no on site disposal. Empty pallets and drums will be collected by the driver and returned to the vendor. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

Deliveries to the Hillgrove Plant will require a short trailer delivery truck. No full-length trailers will be accepted. Drums must not be on pallets and carrier is responsible for delivery on to the plant dock. City employees do not enter the truck.

The supplier must submit with his bid, a certificate of insurance carried as liability in the transport and sale of Liquid Polyphosphate.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City the contract may be extended for additional periods.

Bid unit price per pound of product $ Base bid
(Bid unit price per pound x lbs. approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any and all bids, waive technicalities, and will be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR HYDROFLUOSILICIC ACID

The company submitting this bid agrees to deliver to the Hillgrove Water Treatment Plant, 55 Palaside Dr., Concord, North Carolina, approximately 44,000 lbs. or 80 – 55 gal. drums total of Hydrofluosilicic Acid, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 5,500 lbs. or 10 drums at 1 to2 month intervals. Delivery quantity shall not exceed a maximum of 10 drums.

Any bid that requires a drum deposit will not be considered.

The product must conform to AWWA standards for drinking water. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance with the specifications upon request.

Technical service required within 72 hours after request is placed.

All prices must be based FOB delivered to the Hillgrove Water Treatment Plant within 15 days of the effective date of this contract, and that all future orders can be delivered within 5 days of the placement of the order. All deliveries are to be made Monday through Friday between 8 A.M. and 12 P.M. No holiday delivery. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no on site disposal. Empty pallets and drums will be collected by the driver and returned to the vendor. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

Deliveries to the Hillgrove Plant will require a short trailer delivery truck. No full-length trailers will be accepted. Drums must not be on pallets and carrier is responsible for delivery on to the plant dock. City employees do not enter the truck.

The supplier must submit with his bid, a certificate of insurance carried as liability in the transport and sale of Hydrofluosilicic Acid.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City, the contract may be extended for additional periods.

Bid unit price per pound of product $ Base bid
(Bid unit price per pound x lbs. approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any and all bids, waive technicalities and will be the sole judge of suitability of the merchandise for the use by the City for intended purposes.

SPECIFICATIONS FOR SODIUM PERMANGANATE 20%

The company submitting this bid agrees to deliver to the Hillgrove Water Treatment Plant Pump Station, 2622 Captains Watch Road NE, Kannapolis, North Carolina, approximately 7,200 gals. total of Sodium Permanganate, as ordered, for twelve (12) months beginning July 1, 2016. Each order will be placed, as needed approximately 250-750 gals. at 2 to 4 week intervals.

The product offered shall be Carusol 20 as manufactured by Carus Chemical Company, or other approved domestic product. Bids for non-domestic product will not be considered. The product must conform to AWWA standards for drinking water and be listed with the National Sanitation Foundation. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance upon request.

Technical service required within 72 hours after request is placed.

All prices must be based FOB delivered to Hillgrove Water Treatment Plant Pump Station within 15 days of the effective date of this contract, and that all future orders can be delivered within 5 days of the placement of the order. All deliveries are to be made Monday through Friday between 8 A.M. and 12 P.M. No holiday deliveries. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no on site disposal. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

The supplier must submit with his bid, a certificate of insurance carried as liability in the transport and sale of Sodium Permanganate.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City, the contract may be extended for additional periods.

Bid unit price per gallon of product $ Base bid
(Bid unit price per gallon x gals. approximate annual need) $

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any and all bids, waive technicalities, and will be the sole judge of suitability of the merchandise for the use by the City for intended purposes.