



CITY OF WESTERVILLE WATER DIVISION

Contract Documents and Specifications
for the

WATER TREATMENT CHEMICALS FOR 2021

Project No. 2020-402

Project Type: Request for Bids (RFB)

Bid Closing Date and Time
Wednesday, October 21, 2020
3:00 PM

Submit To:

Electronic Submissions

<https://westerville.bonfirehub.com/opportunities/31664>

Point of Contact for Written Questions:

Richard Lorenz
Water Utility Manager
Water Division
Bids@westerville.org

**CITY OF WESTERVILLE
WATER DIVISION**

**WATER TREATMENT CHEMICALS FOR 2021
PROJECT NO. 2020-402**

ADMINISTRATIVE OFFICIALS

David Collinsworth	City Manager
Lee Ann Shortland	Director of Finance
Bruce Bailey	Director of Law
Richard Lorenz	Water Utility Manager

MEMBERS OF COUNCIL

Michael Heyeck	Council Chair
Craig Treneff	Vice-Chair
Kathy Cocuzzi	Mayor
Valerie Cumming	Vice-Mayor
Diane Conley	Member
Alex Heckman	Member
Kenneth L. Wright	Member

September 22, 2020

CITY OF WESTERVILLE

WATER DIVISION
312 W. MAIN STREET
WESTERVILLE, OHIO 43081

BIDDERS CHECKLIST

Bidders are urged to complete this checklist to confirm that all required documents are included with their bid. Failure to submit the listed documents may result in disqualification of the Bid.

Name	Type	# Files	Requirement	Included with BID	Provide Later
Bid Form (All Bidders - Signature Required)	File Type: PDF (.pdf)	1	Required		
Typical Analysis Sheet for each Chemical Bid (All Bidders)	File Type: PDF (.pdf)	1 or Multiple	Optional (needed within two (2) business days of the closing time)		
Signed Liquid Blended Phosphate Information / Specification Sheet (Bidders for Liquid Blended Phosphate Only)	File Type: PDF (.pdf)	1	Optional (needed within two (2) business days of the closing time)		
Reactivated GAC Reference Sheet (Bidders for Reactivated GAC Only)	File Type: PDF (.pdf)	1	Optional (needed within two (2) business days of the closing time)		
Noncollusion Affidavit	File Type: PDF (.pdf)	1	Optional (needed prior to the issuance of the NOTICE TO PROCEED)		
Personal Property Tax Affidavit	File Type: PDF (.pdf)	1	Optional (needed prior to the issuance of the NOTICE TO PROCEED)		

NOTICE TO BIDDERS

Bids for **WATER TREATMENT CHEMICALS FOR 2021 (Project No. 2020-402)**, will be received by the City of Westerville, Ohio until the closing date and time of **3:00 p.m. (local time) on Wednesday, October 21, 2020** and will be publicly opened and read immediately thereafter.

The work in accordance with the Contract Documents, dated September 22, 2020, and any addenda thereto, consists of the furnishing and delivery of various Water Treatment Chemicals; including, ferric chloride, liquid carbon dioxide, powdered activated carbon, fluoride (totes), sodium hypochlorite, liquid blended phosphate (totes), liquid caustic soda, granular activated carbon and sodium chloride. The initial term of the contract shall be for a one (1) year period from January 1, 2021 through December 31, 2021.

Contract Documents are available at no cost via the City's Bonfire Procurement Portal at: <https://westerville.bonfirehub.com/opportunities/31664>. Vendors new to the City's Bonfire Procurement Portal will need to create a FREE Bonfire account.

No bonds, either a bid bond or performance bond will be required.

The City reserves the right to waive any or all informalities, to accept deviations to the minimum specifications, and to disregard all non-conforming responsive conditional bids when in its best interest.

No bidder may withdraw their bid for a period of 60 days after the actual date of the opening thereof. The City reserves the right not to award a contract and to reject any or all bids. Subject to the right of the City not to award a contract and to reject any or all bids, the City will award a Contract to the bidder(s) submitting the lowest and best bid(s), taking into consideration accepted alternates.

Point of Contact for Written Questions:

Richard Lorenz
Water Utility Manager
Water Division
Bids@westerville.org

Advertise: 9/22/20

**CITY OF WESTERVILLE
21 South State Street
Westerville, Ohio 43081**

INFORMATION TO BIDDERS

SPECIFICATIONS

All chemicals shall conform with and be certified by the American National Standards Institute/National Sanitation Foundation (ANSI/NSF) standard 60 or 61 and the attached specifications.

PREPARATION AND DELIVERY OF BIDS

Bids will be received by the City of Westerville, Ohio, until the closing date and time of **3:00 p.m. (local time), Wednesday, October 21, 2020.**

Bids must be submitted in **Electronic format ONLY** in accordance with the below submission instructions.

Submission Instructions for Electronic Bids

Electronic Bids must be uploaded at:

<https://westerville.bonfirehub.com/opportunities/31664>

Please review the Bidders Checklist and note the type and number of files allowed. The maximum upload file size is 1000 MB.

As uploading large documents may take significant time, depending on the size of the file(s) and Internet connection speed, it is recommended that the bidder allow sufficient time before closing time to begin the upload process and finalize their submission.

Each item of requested information will only be visible to the City after the closing time.

The bidder will receive an email confirmation receipt with a unique confirmation number once they finalize their submission.

Minimum system requirements: Internet Explorer 11, Microsoft Edge, Google Chrome, or Mozilla Firefox. Javascript must be enabled. Browser cookies must be enabled.

Need Help with an Electronic Submission?

The City of Westerville uses a Bonfire portal for accepting BIDS digitally. Please contact Bonfire at Support@GoBonfire.com for technical questions related to your submission or contact the City's Procurement Coordinator at Thomas.Patterson@westerville.org for general questions related to your submission.

General Instructions for Electronic Bids

All bids must be submitted on the bid forms provided and receipt of any addenda should be indicated. The bidder shall state in figures the firm fixed unit prices for the materials specified on the Bid Form.

Blank spaces in the bid must be properly filled in and the phraseology of the bid must not be changed. Additions must not be made to the items mentioned therein, and unauthorized conditions, limitations or provisions attached to a bid will be liable to render it informal and may cause its rejection. Bidders are invited to be present at the opening of the bids. The right is reserved to waive technical defects, as the interests of the City of Westerville require.

Unless otherwise specified in the Contract Documents, the unit prices set forth shall include all direct and indirect costs, materials, labor, equipment, taxes, overhead, profit, and any other cost or expense, in connection with or incidental to, the furnishing and delivery of the materials as specified.

It is understood that the scheduled quantities of work to be done and materials to be furnished may increase, decrease or be deleted entirely after execution of the Agreement.

It is the sole responsibility of the bidder to see that their bid is received by the proper time.

BONDS

No bonds, either a bid bond or performance bond will be required.

CONTRACT

The bidder(s) to whom the award is made will be required to execute a written contract with the City of Westerville, Ohio as required by the City Manager.

COMPLIANCE

In performing the Work, the successful bidder(s) shall comply with all applicable laws, rules, regulations, codes and ordinances, including but not limited to the U.S. Department of Labor "Safety and Health Regulations for Construction" identified as Chapter XVII of Title 29, Code of Federal Regulations (CFR) Part 1926 (formerly Part 1518) and subsequent amendments.

The successful bidder(s) agree that in the hiring of employees for the performance of work under this Contract or any subcontract, no Contractor, Subcontractor, or any person acting on his behalf shall, by reason of race, color, religion, sex, national origin, age, familial status, disability, pregnancy, sexual orientation, gender identity, or gender expression, or any prohibition provided by federal or state law, discriminate against any citizen of the State in the employment of labor or workers who are qualified and available to perform the work to which the employment relates, nor shall the Contractor, Subcontractor, or any person acting on his behalf, in any manner discriminate against or intimidate any employee hired for the performance of work under this Contract on account of race, color, religion, sex, national origin, age, familial status, disability, pregnancy, sexual orientation, gender identity, or gender expression, or any prohibition provided by federal or state law.

INTERPRETATION

The Contract Documents contain the provisions required for the Water Treatment Chemicals for 2021. Information obtained from an officer, agent, or employee of the City or any other person shall not affect the risks or obligations assumed by the contractor or relieve the contractor from fulfilling any of the conditions of the contract.

If any person contemplating submitting a bid for the proposed project is in doubt as to the true meaning of any part of the Contract Documents, they may submit a written request for an interpretation thereof to either the Point of Contact identified in the Contract Documents or the Project Portal.

The Q&A period for this opportunity ends **3:00 p.m. (local time) on Thursday, October 15, 2020.**

The person submitting the request will be responsible for its prompt delivery. Any interpretation of the Contract Documents will be made only by Addendum duly issued, a minimum of 72 hours prior to the bid closing date and time. The City will endeavor to have a copy of such Addendum delivered to each person receiving a set of Contract Documents; however, it is ultimately the bidder's responsibility to check the City's website at www.westerville.org/bids or the Project Portal for verification of any issued addenda. The awarding authority will not be responsible for any other explanations or interpretations of the Contract Documents.

WITHDRAWAL OF BID

No bidder may withdraw his bid for a period of sixty (60) days after the scheduled closing time for the receipt of bids. Should there be reasons why the contract cannot be awarded within the specified period; the time may be extended by mutual agreement between the City and bidder.

PERSONAL PROPERTY TAX AFFIDAVIT AND NONCOLLUSION AFFIDAVIT

The successful bidder(s) will be required to execute and submit a completed Noncollusion Affidavit and a completed Personal Property Tax Affidavit, as included in the Contract Documents prior to the issuance of the Notice to Proceed. Bidders are urged to include these documents with their bid.

REJECTION OF BIDS

The City of Westerville, Ohio reserves the right not to award a contract and to reject any or all bids and to waive any irregularities in bidding.

BID ITEMS

If more than one item, prices shall be bid on the units requested. However, each item shall be considered a separate bid and the City reserves the right to award a contract on each item separately or on all items as a whole or any combinations thereof, as the best interest of the City requires.

TAXES

Federal and/or State taxes are not to be included in prices bid. The successful bidder(s) will be furnished an exemption certificate, if needed.

PRICE; TERM

Bidders to bid prices which are firm for the initial term of the contract. The initial term of the contract shall be for a one (1) year period from January 1, 2021 through December 31, 2021.

Bidders that are willing and able to maintain their bid price(s) for the 2022 renewal period must indicate such on the Bid Form. At the City's option, the contract may be renewed for an additional one (1) year period ending December 31, 2022, subject to the evaluation of the contractor's performance, analysis of market conditions, and the appropriation/availability of funds. All terms and conditions (including pricing) shall remain unchanged and in full force and effect. The option to renew, if exercised, will be executed in the form of a renewal letter to be issued not sooner than ninety (90) days prior to the expiration of the current contract period, nor later than the final day of the current contract period.

The award of any contract for 2021 and beyond is subject to appropriation of funds approved by Westerville City Council in future years/fiscal periods.

INDEMNITY

To the extent authorized by law, the Contractor (successful bidder) shall indemnify and hold harmless the City, its officers, elected officials, agents and employees from and against all claims,

damages, losses and expenses including attorney's fees arising out of or resulting from the Contractor's performance, provided that any such claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom; and is caused in whole or in part by any negligent or willful act or omission of the Contractor, the Contractor's subcontractor, anyone directly or indirectly employed by any of them or anyone for whose acts any of them may be liable.

Where Contractors are required to enter or go onto City of Westerville property to deliver materials or perform work or services as a result of bid award, the Contractor will assume full duty, obligation and expense of obtaining all necessary licenses, permits, and insurance when required. The Contractor shall be liable for any damages or loss to the City occasioned by negligence of the Contractor (or his agent) or any person the Contractor has designated in the completion of his contract as a result of their bid.

BID REFERENCES

The description, manufacturer's name, and brand names used in these specifications are for the sole purpose of showing the quality and type of article expected. These are the acceptable minimums. All bids must be on materials, supplies or equipment that equals or exceeds all phases of these standards as determined by the City Manager. Any bidder bidding materials, supplies or equipment different from those used in the specifications should furnish with their bid evidence that the item bid is of at least equivalent quality and type as those specified in the specifications.

DEMONSTRATIONS

The City has the right to inspect items and request demonstration before award of bid.

INSTRUCTION

The successful bidder(s) for equipment or material of a specialized nature, as determined by the City Manager, must provide instruction service to City employees on the proper operation or use of said equipment or material.

ASSIGNMENT

Neither the successful bidder(s) nor the City shall, sell, transfer, assign or otherwise dispose of the contract or any portion thereof, or of their right, title or interest therein, or the obligation thereunder, without written consent of the other party.

PUBLIC RECORDS

In entering into a contract with the City (or responding to a City solicitation), all bidders are hereby notified that all bids, proposals, quotations, RFI responses, agreements, invoices, correspondence and any other documents submitted to the City become public property and are subject to public disclosure in accordance with Ohio Public Records Law. All public records will be made available upon request, at the earliest time permitted by law.

TERMINATION

The City reserves the right to terminate the contract in whole or in part for default (termination due to the Contractor's failure to perform satisfactorily) or convenience (termination due to the best interests of the City). After 10 days from delivery of a written notice to the Contractor, the City may, without cause and without prejudice to any other right or remedy, elect to terminate the contract. In such case, the Contractor shall be paid for work executed, goods delivered and accepted, and any expense sustained plus reasonable profit, unless such termination was due to the act or conduct of the Contractor.

NONCOLLUSION AFFIDAVIT

State of: _____

County of: _____

BID Identification: Water Treatment Chemicals for 2021

SERVICE PROVIDER: _____

Being first duly sworn, deposes as says that he/she is:

_____ of _____
(sole owner, a partnership, president etc.) (name of company)

the party making the foregoing BID; that such BID is not made in the interest of or on behalf of any undisclosed person, partnership, company, association, organization, or corporation; that such BID is genuine and not collusive or sham; that said BIDDER has not directly or indirectly induced or solicited any other BIDDER to put in a false or sham BID, and has not directly or indirectly colluded, conspired, connived, or agreed with any BIDDER or anyone else to put in a sham BID, or that anyone shall refrain from bidding; that said BIDDER has not in any manner, directly or indirectly, sought by agreement, communication or conference with anyone to fix the BID price of said BIDDER or of any other BIDDER, or to fix any overhead, profit, or cost element of such BID price, or of that of any other BIDDER, or to secure any advantage against the OWNER awarding the Contract or anyone interested in the proposed Contract; that all statements contained in such BID are true; and, further, that said BIDDER has not, directly or indirectly, submitted his BID price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid and will not pay any fee in connection therewith, to any corporation, partnership, company, association, organization, BID depository, or to any member or agent thereof, or to any other individual except to such person or persons as have a partnership or other financial interest with said BIDDER in his general business.

Signed: _____

Subscribed and sworn to before me this

_____ Day of _____, 20____

Seal of Notary

PERSONAL PROPERTY TAX AFFIDAVIT

FOR
THE CITY OF WESTERVILLE, OHIO
(SECTION 5719.042 ORC)

Re: Water Treatment Chemicals for 2021

To: Director of Finance, City of Westerville, Ohio

State of: _____

County of: _____

By (Bidder): _____

Address: _____

Affiant: _____

Title: _____

being first duly sworn, says that on _____, it (check at left of paragraph 1 or 2; if 2, fill in the appropriate data):

_____ 1. Was not charged with any delinquent personal property taxes on the general tax list of personal property of Franklin and Delaware Counties

_____ 2. Was charged with delinquent personal property taxes on the general tax list of personal property of Franklin and/or Delaware Counties and the amount due and unpaid delinquent taxes, penalties, and interest are:

	<u>Tax</u>	<u>Penalties</u>	<u>Interest</u>
FRANKLIN COUNTY	\$ _____	\$ _____	\$ _____
DELAWARE COUNTY	\$ _____	\$ _____	\$ _____

That this Affidavit shall be incorporated into the Contract between the undersigned and the City of Westerville.

Signed: _____

Subscribed and sworn to before me this

_____ Day of _____, 20____

Seal of Notary

AGREEMENT

Agreement made this ____ day of _____, 20__ at the City of Westerville, Ohio, by and between the City of Westerville, Ohio, and COMPANY NAME.



WHEREAS, The City of Westerville, Ohio advertised for bids for WATER TREATMENT CHEMICALS FOR 2021, in accordance with specifications on file in the Office of the City Manager of said City, and the following bid has been received and accepted by the City of Westerville.

ITEM

PRICE

NOW, THEREFORE: Be it agreed the undersigned Company shall furnish products and services for the period as set forth in the Specifications, all in accordance with the said Specifications and Information for Bidders to the complete satisfaction of the City of Westerville, Ohio; *with the following condition:* the award of any contract for 2021 and 2022 is subject to appropriation of funds approved by Westerville City Council.

COMPANY NAME further agrees to withhold all City income taxes due or payable under the provisions of the Income Tax Ordinance, for wages, salaries, and commissions paid to its employees and further agrees that any of its subcontractors shall be required to agree to withhold any such City income taxes due under said chapter for services performed under this contract. (Ord. 98-43 Passed 9-15-98)

COMPANY NAME
ADDRESS
CITY, STATE ZIP

By _____
(Print)

(Signature)

Title _____
(Print)

In consideration thereof, the said City of Westerville, Ohio hereby agrees to pay said COMPANY NAME that amount not to be exceeded without City approval.

THE CITY OF WESTERVILLE, OHIO

By _____
David A. Collinworth, City Manager

WATER TREATMENT CHEMICALS FOR 2021

BID FORM

TO THE CITY OF WESTERVILLE, OHIO, I (we) propose to furnish in accordance with your Contract Documents and Specifications the following water treatment chemicals for the firm fixed **unit prices, based on hundred weight(cwt*) or hundred gallons (cgal**)** as shown below. Prices are to be quoted F.O.B. Westerville Water Plant, 312 West Main Street, Westerville, Ohio 43081. **BIDDERS MUST SIGN THIS BID FORM.** *Bidders are responsible for confirming their bid is submitted in the requested units.*

	APPROXIMATE QUANTITY	(A) UNIT PRICE	(B) UNIT FREIGHT	TOTAL UNIT PRICE (A+B)	BIDDER AGREES TO MAINTAIN PRICE FOR 2022
1. Ferric Chloride (DRY WEIGHT)	200,000 lbs.	\$ _____ per cwt*	\$ _____ per cwt*	\$ _____ per cwt*	Yes / No
2. Liquid Carbon Dioxide	250,000 lbs.	\$ _____ per cwt*	\$ _____ per cwt*	\$ _____ per cwt*	Yes / No
3. Powdered Activated Carbon	3,300 lbs.	\$ _____ per cwt*	\$ _____ per cwt*	\$ _____ per cwt*	Yes / No
Bag Weight: _____					
4. Fluoride (Totes)	45,000 lbs.	\$ _____ per cwt*	\$ _____ per cwt*	\$ _____ per cwt*	Yes / No
5. Sodium Hypochlorite	50,000 gals	\$ _____ per cgal**	\$ _____ per cgal**	\$ _____ per cgal**	Yes / No
6. Liquid Blended Phosphate (Totes) (Attach Information / Specification Sheet)	50,000 lbs.	\$ _____ per cwt*	\$ _____ per cwt*	\$ _____ per cwt*	Yes / No
7. Caustic Soda (DRY WEIGHT)	100,000 lbs.	\$ _____ per cwt*	\$ _____ per cwt*	\$ _____ per cwt*	Yes / No
8. Custom Reactivated GAC (Attach Reference Sheet)	200,000 lbs.	\$ _____ per cwt*	\$ _____ per cwt*	\$ _____ per cwt*	Yes / No
9. Sodium Chloride	12,000 lbs.	\$ _____ per cwt*	\$ _____ per cwt*	\$ _____ per cwt*	Yes / No
Bag Weight: _____					

BIDDER acknowledges receipt of the following ADDENDUM(s): _____

COMPANY NAME: _____

ADDRESS: _____

NAME OF REPRESENTATIVE: _____

PHONE NUMBER: _____

TITLE: (Type/Print) _____

E-MAIL: _____

Signature of Representative: _____

DATE SIGNED: _____

Notes: *cwt is the abbreviation for hundred weight; a unit of measurement equal to 100 pounds (lbs.) or one twentieth of a ton. **cgal is an abbreviation for hundred gallons.

WATER TREATMENT CHEMICALS FOR 2021

**LIQUID BLENDED PHOSPHATE
INFORMATION / SPECIFICATION SHEET**

As part of the City’s investigation to determine the lowest and best bid, **BIDDERS FOR LIQUID BLENDED PHOSPHATE** are required to submit this signed Information / Specification Sheet. Bidders are urged to include this signed Information / Specification Sheet in their sealed bid. If not included with bidders sealed bid, a signed Information / Specification Sheet should be submitted to the City within two (2) business days of the bid opening.

Product Information	Bidder’s Information (Must fill in all blanks)
Chemical Name:	
ANSI/NSF standard 60:	
Specific Gravity:	
Weight: Pounds/Gallon	
Color:	
PH:	
Shelf Life:	
Ratio of ortho/polyphosphate: Indicate if ratio is either by weight or by volume	
Total phosphate % of product: Indicate if % is either by weight or by volume	
Ortho phosphate % of product: Indicate if % is either by weight or by volume	

CONTRACTOR COMPANY NAME: _____
(Type/Print)

NAME of Representative: _____
(Type/Print)

TITLE: _____
(Type/Print)

SIGNATURE of Representative: _____

DATE SIGNED: _____

WATER TREATMENT CHEMICALS FOR 2021

**REACTIVATED GAC
REFERENCE SHEET**

As part of the City’s investigation to determine the lowest and best bid, **BIDDERS FOR REACTIVATED GRANULAR ACTIVATED CARBON** are required to provide detailed information on the forms herein for evidence of the bidder’s responsibility, experience, and skill. The City may make other such investigations to determine the ability of the bidder to perform the work. Bidders are urged to include this Reactivated GAC Reference Sheet in their sealed bid. If not included with bidders sealed bid, a Reactivated GAC Reference Sheet should be submitted to the City within two (2) business days of the bid opening.

1. List five (5) references for which the bidder has provided services in the last 5-years, including:

Account:	
Location (City/State):	
Contact Name:	
Contact Phone:	
GAC Supplied:	
Carbon Transportation Provided:	Yes / No
Field Services Provided:	Yes / No

Account:	
Location (City/State):	
Contact Name:	
Contact Phone:	
GAC Supplied:	
Carbon Transportation Provided:	Yes / No
Field Services Provided:	Yes / No

Account:	
Location (City/State):	
Contact Name:	
Contact Phone:	
GAC Supplied:	
Carbon Transportation Provided:	Yes / No
Field Services Provided:	Yes / No

Account:	
Location (City/State):	
Contact Name:	
Contact Phone:	
GAC Supplied:	
Carbon Transportation Provided:	Yes / No
Field Services Provided:	Yes / No

Account:	
Location (City/State):	
Contact Name:	
Contact Phone:	
GAC Supplied:	
Carbon Transportation Provided:	Yes / No
Field Services Provided:	Yes / No

WATER TREATMENT CHEMICALS FOR 2021

SPECIFICATIONS

General Information

All chemicals shall conform with and be certified by the American National standards Institute/National Sanitation Foundation (ANSI/NSF) standard 60/61.

Bids are requested F.O.B. destination. Chemicals shall be delivered, on notice of need, to the Westerville Water Plant, 312 West Main Street, Westerville, Ohio 43081. All containers and bulk tank truck deliveries must be secure to insure product integrity.

As part of the City's investigation to determine the lowest and best bid, the City shall require submission of a typical analysis sheet for each chemical bid. Bidders are urged to include an analysis sheet for each chemical bid in their sealed bid. If not included with bidder's sealed bid, an analysis sheet for each chemical bid should be submitted to the City within two (2) business days of the of the closing time.

Pertinent MSDS sheet(s) will be required from all successful bidders.

All deliveries must conform fully to U.S.D.O.T. Hazardous Materials Regulations (Title 49 CFR Part 177).

The contractor will be responsible for any costs occurring due to spillage caused by the carrier while on City property.

Specifications for Water Treatment Chemicals

1. Ferric Chloride: Shall be in aqueous (liquid) form and conform to AWWA Standard B 407-18. The specific gravity shall be in the range of 1.3 to 1.5. It shall contain from 32% to 47% ferric chloride by weight with not more than 2.5% of the total iron in the ferrous state. The free acid, expresses as HCL, shall not exceed 1.0%. The solution shall not contain more than 0.2 percent total insoluble matter by weight. The material shall be shipped in bulk tank truck, suitable for hauling 4,000 gallons, delivered to the Westerville Water Plant, Monday through Friday between the hours of 7:30 am to 3:30 pm on a cost per dry hundred weight basis. (Payment will be based upon weight slips from a certified scale, to be furnished with each material shipment.) The supplier must also furnish a certified test report and accompanying certification as to the quality of the material of each shipment. If the material does not meet the requirements of this standard, the supplier shall remove the material from the premises of the purchaser, unless a price adjustment is agreed on between the supplier and the purchaser. Quantity needed will be approximately **200,000 lbs.** (**DRY WEIGHT**), more or less on notice of need, in truckload lots. Ferric must be off loaded from truck to inside bulk storage containers by supplier.

2. Liquid Carbon Dioxide: Shall conform to AWWA Standard B 510-18. The carbon dioxide must be suitable for use in the treatment of potable water and shall have a carbon dioxide content of at least 99.5% by weight. The carbon dioxide supplied in accordance with this standard shall contain no soluble inorganic or organic substances in quantities capable of producing deleterious or injurious effect upon the health of those consuming the water or that would otherwise render the water that has been treated properly with carbon dioxide unfit for public use. The material shall be shipped in bulk tank truck, suitable for hauling carbon dioxide. (Payment will be based upon weight slips from a certified scaled or certified meter, to be furnished with each material shipment.) The supplier must also furnish a certified test report and accompanying certification as to the quality of the material. If the material does not meet the requirements of this standard, the supplier shall remove the material from the premises of the purchaser, unless a price adjustment is agreed on between the supplier and the purchaser. Quantity needed will be approximately **250,000 lbs.**, more or less on notice of need in truckload lots. The supplier is responsible for

off-loading from the truck to the City's Water Treatment Plant tank; the capacity of the carbon dioxide tank is 26 tons (52,000 lbs.).

3. Powdered Activated Carbon: Shall conform to AWWA B 600-16. Only materials that have proved satisfactory for water treatment over a period of years will be considered. Brand name and specifications of carbon should be supplied with bid. A certified statement from the supplier should accompany the bid, giving a complete analysis of the material offered. It should be shipped in 40 to 55 pound multi-wall bags and should be protected by an outer package of a resistant nature. The iodine # shall not be less than 500. Quantity needed will be approximately **3,300 lbs.**, shipped on pallets in lots of approximately 40 bags on notice of need. Bid evaluation will include packaging cleanliness and ease of use.

4. Fluoride in totes: Shall be hydrofluosilicic acid between 20% to 30% fluorosilicic acid by weight. It must conform to AWWA Standard B 703-19. Total quantity for the year will be approximately **45,000 lbs.** Fluoride is to be shipped in approximately 300 gallon lots on notice of need. A certified statement from the supplier should accompany the bid, giving a complete analysis of the material offered. The supplier must also furnish a certified test report of the quality of the material. If the material does not meet the requirements of this standard, the supplier shall remove the material from the premises of the purchaser, unless a price adjustment is agreed on between the supplier and the purchaser. Deliveries shall be made Monday through Friday between 7:30 AM and 3:30 PM. Product must be off loaded from truck to inside bulk storage containers by suppliers.

5. Sodium Hypochlorite: Shall conform to AWWA Standard B 300-18 with a minimum available chlorine content of 12.5%. The supplier must conform to requirements of the Safe Drinking Water Act and other federal regulations for potable water. Sodium hypochlorite shall contain less than 0.15 percent insoluble matter by weight and less than 1.5 percent free alkali by weight (expressed as NaOH). Product shall not be produced from chlorine gas purged from returned cylinders. Total quantity for the year will be approximately **50,000 gallons.** Delivery in approximately 5,000 gallon suitably lined, thoroughly clean tanker truck lots on notice of need. Deliveries shall be made Monday through Friday between 7:30 AM and 3:30 PM. Product must be off loaded from truck to inside bulk storage containers by suppliers. A certified statement from the supplier should accompany the bid, giving a complete analysis of the material offered. The supplier must also furnish a certified test report of the quality of the material delivered. If the material does not meet the requirements of this standard, the supplier shall remove the material from the premises of the purchaser, unless a price adjustment is agreed on between the supplier and the purchaser. Supplier shall propose a security methodology to protect against tampering. Bid price shall be based on units of one hundred gallons of 12.5 % minimum available chlorine.

6. Liquid Blended Phosphate in Totes: The liquid blended phosphate shall have an ortho/polyphosphate ratio of 50/50. The Product shall be ANSI/NSF standard 60 approved for use as a corrosion inhibitor and sequestrant in potable water. The phosphate shall be liquid, stable, clear, odorless, tasteless and completely soluble in water. Each bidder is required to complete and submit both the Bid Form and the LIQUID BLENDED PHOSPHATE Information/Specification sheet. Failure to submit all of the required specifications may result in the rejection of the bid. Each shipment shall be identified as to product grade, weight, manufacturer, and brand name. Each tote shall show a lot number or manufacturer identification number. Total quantity for the year will be approximately **50,000 lbs.**, shipped in approximately 300 gallon lots on notice of need. Deliveries shall be made Monday through Friday between 7:30 AM and 3:30 PM. Product must be off loaded from truck to inside bulk storage containers by suppliers.

7. Liquid Caustic Soda: Liquid Caustic Soda shall conform to AWWA Standard B 501-19. It shall contain approximately 50% sodium hydroxide. It shall be shipped in tank trucks suitable for hauling liquid caustic soda (approximately 4,000 gallons of each shipment) and shall not contain any substances that might impair the use or usefulness of caustic soda in treating municipal water supplies. Shipments will be made to the Westerville Water Plant, Monday through Friday between the hours of 7:30 am to 4:00 pm. (Payment will be based on a cost per dry hundred weight basis using the standard formula: net weight (lbs.) x % Na₂O ÷ 76% = dry weight. The supplier must provide weight slips from a certified scale and a

certified laboratory analysis with each shipment.) If the material does not meet the requirements of this standard, the supplier shall remove the material from the purchaser's premises, unless a price adjustment is agreed on between the supplier and the purchaser in advance. Quantity needed will be approximately **100,000 lbs. (DRY WEIGHT)**, more or less, on notice of need. Caustic soda must be off loaded from truck to inside bulk storage containers by suppliers.

8. Custom Reactivated Granular Activated Carbon: Furnish all labor, materials, equipment, testing and supervision (field services) for the removal and transport of spent Calgon Carbon Filtrasorb 300 Granular Activated Carbon (GAC) from Calgon Carbon model 10 pressure tanks to a custom reactivation facility, reactivation to the specified parameters and the installation back into the tanks. The reactivated GAC shall be made up of at least 20% Virgin GAC or more as required to make up for the losses of spent GAC in the reactivation process and to meet the minimum specified parameters. Spent GAC shall be reactivated at a NSF certified facility conforming to AWWA Standard B605-18 that is used exclusively to reactivate potable water or food grade carbons. The returned reactivated GAC (with virgin make-up) shall have an Iodine Number of 800 minimum if the spent GAC was >550 mg/g or at least 250 mg/g greater than the spent GAC with at least 500 mg/g if the spent GAC was < 550 mg/g. GAC shall have sieve size weight larger than No. 8 of 15% max. and smaller than No. 30 of 4% max. Bidders should have at least a five year history of supplying potable water custom reactivated GAC., documented on the Reactivated GAC Reference Sheet. Bidders should submit a detailed GAC exchange procedure. Bids shall include experienced field personnel, employed by the GAC manufacturer, to supervise the GAC exchange processes. The turnaround time shall be four weeks or less. GAC shall be transported in suitable vehicles dedicated solely to the transport of potable water or food grade GAC. Exchanges will be accepted Monday – Friday from 7:30 AM to 3:00 PM., in truck load quantities of approximately 20,000 lbs., based on notice of need. Bidders are encouraged to visit the site and are responsible for ensuring they are familiar with the site so they can successfully load and unload the GAC. The City will supply the water and compressed air supply. Total quantity for the year will be approximately **200,000 lbs.**

9. Sodium Chloride: Shall be compressed vacuum-granulated pellets that conform to AWWA Standard B200-17. Product will be used for recharging water softener cation exchange material and shall be NSF/ANSI 60 certified and comply with all requirements of the Safe Drinking Water Act and other federal regulations for potable water use. Minimum sodium chloride content shall be 99.5% by weight. Total impurities shall be less than 0.50 percent by weight. Quantity needed will be approximately **12,000 lbs.** packaged in approximately 50 pound labeled bags, in pallet lots on notice of need.

END OF SPECIFICATIONS