



Washington County Service Authority

Invitation to Bid
Chemicals
May 1, 2017

The Washington County Service Authority (hereinafter referred to as the Authority) is requesting sealed bids for the supply of chemicals for the fiscal year July 1, 2017 – June 30, 2018 for the following chemicals: liquid chlorine, granular sodium fluoride, liquid caustic soda, sodium hypochlorite, sulfur dioxide, sodium thiosulfate, sulfuric acid, orthopolyphosphate, dechlorination tablets, 20% sodium permanganate (carusol), and 23% hydrofluosilicic acid. Specifications and bid sheets may be obtained by contacting Karen Lester, Staff Accountant at 276-628-7151 X255 or klester@wcsa-water.com.

It is not the intent of the specifications to be proprietary, or to exclude any manufacturer or dealer. Any brand names used in these specifications are for comparison only. Deviations and/or alternates will be given consideration if they are considered to be suitable and acceptable for comparison. Any deviations or alternates must be submitted, in writing, with your bid. Deviations or alternates discovered after bid award or material receipt, not stated in your bid, shall be grounds for disqualification and nullification of order.

All deliveries to 16332 Mill Creek Road will need to be made by a short truck; NO EXCEPTIONS! Drop shipments to other locations are strictly prohibited and may be grounds for disqualification and nullification of order.

One (1) complete copy of the sealed bid will be received at and until 2:00 PM Eastern Standard Time on Wednesday, May 17, 2017 at our offices on 25122 Regal Drive, Abingdon VA 24210. **Faxed or emailed bids will not be accepted.** It is the responsibility of the responder to insure that their response is received at our office by the above date and time. Any responses received after the above date and time will be considered non-responsive. All responses MUST have the title "*CHEMICAL BID*" clearly marked on the envelope. You must complete and sign the bid form(s).

The Authority shall provide the mechanism for the evaluation of all information received; the final determination of responsible offeror. The Authority reserves the right to waive informalities and irregularities and to accept or reject any or all bids.

LIQUID CHLORINE SPECIFICATION AND BID FORM – ITEM# 1

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: Liquid Chlorine in pressurized steel cylinders meeting any applicable current AWWA specifications, NSF 60 and/or NSF 61 standards, & VDH requirements for drinking water.
2. Estimated Total Requirements: Approximately 28,000 pounds, but we reserve the option to increase or decrease our demand as needed.
3. Orders: Orders will be delivered to the owner at the vendor’s regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Deliveries: Ordinarily about every 30 days as needed, but we reserve the option for more frequent deliveries if the scope of operation at our treatment plant changes. Cost of delivery to be included in the per-pound cost of chemicals.
5. Containers: 150 pound steel cylinders to be rotated upon delivery. No deposit for the cylinders will be made. Please be prepared to make available the plan that is in place to test cylinders for leaks and the type of emergency response service in place in case of a leak.
6. Shipping Terms: F.O.B. unloaded and placed in our chlorination stations at the Chilhowie/WCSA Water Treatment Plant, 16332 Mill Creek Road, Chilhowie, Virginia; and the Wastewater Treatment Plant, 32430 Lee Highway, Glade Spring, and the WCSA Water Treatment Plant, 18385 Jeb Stuart Highway, Abingdon, Virginia 24211, and Taylors Valley, 37310 Wacamaw Lane, Damascus, Virginia 24236. Price to include shipping and delivery charges. **All deliveries to 16332 Mill Creek Road will need to be made by a short truck with lift gate; NO EXCEPTIONS!**
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$ _____ per pound.

Leak plan/response available: _____

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

LIQUID CHLORINE SPECIFICATION AND BID FORM – ITEM# 2

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: Liquid Chlorine in pressurized steel cylinders meeting any applicable current AWWA specifications.
2. Estimate Total Requirements: Approximately 70,000 pounds, but we reserve the option to increase or decrease our demand as needed.
3. Orders: Orders will be delivered to the owner at the vendor's regular weekly visit. Orders may be submitted by other means such as phone call or fax
4. Deliveries: Ordinarily about every 30 days as needed, but we reserve the option for more frequent deliveries if the scope of operation at our treatment plant changes. Cost of delivery to be included in the per-pound cost of chemicals.
5. Containers: 1 ton steel cylinders to be rotated upon delivery. No deposit for the cylinders will be made. Please be prepared to make available the plan that is in place to test cylinders for leaks and the type of emergency response service in place in case of a leak.
6. Shipping Terms: F.O.B. unloaded and placed in our water treatment plant at 18385 Jeb Stuart Highway, Abingdon, Virginia 24211. Price to include shipping and delivery charges.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per pound. Leak plan/response available: _____

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

GRANULAR SODIUM FLUORIDE SPECIFICATION AND BID FORM – ITEM #3

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: 98% Granular Sodium Fluoride (crystalline or powder ground unacceptable) meeting any applicable current AWWA specifications.
2. Total Requirements: Approximately 25,000 pounds, but we reserve the option to increase or decrease our demand as needed. Approximately 15,000 pounds delivered to Chilhowie and 10,000 delivered to Abingdon.
3. Orders: Orders will be delivered to the owner at the vendor's regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Deliveries: Ordinarily about every 30 days as needed, but we reserve the option for more frequent deliveries if the scope of operation at our treatment plant changes. Cost of delivery to be included in the per-pound cost of chemicals.
5. Containers: 50 pound bags.
6. Shipping Terms: F.O.B. unloaded and placed in our storage area at our water treatment plant at 18385 Jeb Stuart Highway, Abingdon, Virginia 24211 and the Chilhowie/WCSA Regional Water Treatment Plant at 16332 Mill Creek Road, Chilhowie, Virginia. **Chilhowie shipments must come on a short truck with a lift gate.** Price to include shipping and delivery charges.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per pound.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

LIQUID CAUSTIC SODA SPECIFICATION AND BID FORM – ITEM #4

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: Liquid Caustic Soda (25%) meeting any applicable current AWWA specifications.
2. Total Requirements: Approximately 4,000 gallons, but we reserve the option to increase or decrease our demand as needed. (12.7 lbs. per gallon = 13,970 lbs.)
3. Orders: Orders will be delivered to the owner at the vendor's regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Deliveries: Only two deliveries are anticipated during the fiscal year, but we reserve the option for more frequent deliveries if the scope of operation at our treatment plant changes. Cost of delivery to be included in the per-gallon cost of chemicals.
5. Containers: Bulk 45,000 lb. Tanker Load
6. Shipping Terms: F.O.B. unloaded at our water treatment plant at 18385 Jeb Stuart Highway, Abingdon, Virginia 24211. Price to include shipping and delivery charges.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per gallon.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

SODIUM HYPOCHLORITE SPECIFICATION AND BID FORM – ITEM #5

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: 12.5% Sodium Hypochlorite (Bleach) Solution meeting any applicable current AWWA specifications.
2. Total Requirements: Approximately 450 gallons, but not known for certain. We reserve the option to increase or decrease our demand as needed.
3. Orders: Orders will be delivered to the owner at the vendor’s regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Deliveries: Ordinarily about every 30 days as needed, but we reserve the option for more frequent deliveries if the scope of operation at our well changes. Cost of delivery to be included in the per-gallon cost of chemicals.
5. Containers: 55 gallon containers to be rotated upon delivery. No deposit for the containers shall be made.
6. Shipping Terms: F.O.B. unloaded and placed in our storage area at our water treatment plant, 18385 Jeb Stuart Highway, Abingdon, Virginia 24211. Price to include shipping and delivery charges.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per gallon.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

ORTHOPOLYPHOSPHATE BLEND SPECIFICATION AND BID FORM – ITEM #6

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: Orthopolyphosphate blend Corrosion Inhibitor or equivalent meeting any applicable current AWWA specifications. Acceptable products include: (1) CalciQuest with specific gravity of 1.36, phosphate content 36%, polyphosphate content 27%, and orthophosphate content 9%, or (2) SK-7101 with 88% PO₄, and NA20/P20 content of 1.15.
2. Total Requirements: Approximately 150 gallons. We reserve the option to increase or decrease our demand as needed.
3. Orders: Orders will be delivered to the owner at the vendor's regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Deliveries: Ordinarily about every 30 days as needed, but we reserve the option for more frequent deliveries if the scope of operation at our well changes. Cost of delivery to be included in the per-gallon cost of chemicals.
5. Containers: 55 gallon containers to be rotated upon delivery. No deposit for the containers shall be made.
6. Shipping Terms: F.O.B. unloaded and placed in our storage area at our water treatment plant, 18385 Jeb Stuart Highway, Abingdon, Virginia 24211. Price to include shipping and delivery charges.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per gallon.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

SULFUR DIOXIDE SPECIFICATION AND BID FORM – ITEM #7

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: Sulfur Dioxide in pressurized steel cylinders meeting any applicable current AWWA specifications for dechlorination.
2. Total Requirements: Approximately 12,000 lb per year (600 per month) at this time, with demand increasing over time. We reserve the right to increase or decrease our demand as needed.
3. Orders: Orders will be delivered to the owner at the vendor’s regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Deliveries: Ordinarily about every 30 days as needed, but we reserve the option for more frequent deliveries if the scope of operation at our treatment plant changes. Cost of delivery to be included in the per-gallon cost of chemicals.
5. Containers: 150 pound steel cylinders to be rotated upon delivery. No deposit for the cylinders will be made.
6. Shipping Terms: F.O.B. unloaded and placed in our Wastewater Treatment Plant, 32430 Lee Highway, Glade Spring. Price to include shipping and delivery charges.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per pound.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

LIQUID CAUSTIC SODA SPECIFICATION AND BID FORM – ITEM #8

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: Liquid Caustic Soda (50%) meeting any applicable current AWWA specifications.
2. Total Requirements: Approximately 1,000 gallons, but we reserve the option to increase or decrease our demand as needed. (12.7 lbs. per gallon = 12,700 lbs.)
3. Orders: Orders will be delivered to the owner at the vendor's regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Deliveries: We reserve the option to schedule the deliveries as the need demands. Cost of delivery to be included in the per-gallon cost of chemicals.
5. Containers: 55 gallon containers. No deposit for the containers shall be made.
6. Shipping Terms: Shipping Terms: F.O.B. unloaded and placed in our storage area at the Chilhowie/WCSA treatment plant at 16332 Mill Creek Road, Chilhowie, Virginia 24319. **Chilhowie shipments must come on a short truck with a lift gate. NO EXCEPTIONS!** Price to include shipping and delivery charges.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per gallon.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

LIQUID CAUSTIC SODA SPECIFICATION AND BID FORM – ITEM #9

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: Liquid Caustic Soda (50%) meeting any applicable current AWWA specifications.
2. Total Requirements: Approximately 1,000 gallons, but we reserve the option to increase or decrease our demand as needed. (12.7 lbs. per gallon = 12,700 lbs.)
3. Orders: Orders will be delivered to the owner at the vendor's regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Deliveries: We reserve the option to schedule the deliveries as the need demands. Cost of delivery to be included in the per-gallon cost of chemicals.
5. Containers: 275 gallon tote. No deposit for the totes shall be made.
6. Shipping Terms: F.O.B. unloaded and placed in our storage area at our water treatment plant, 18385 Jeb Stuart Highway, Abingdon VA 24211. Prices to include shipping and delivery charges.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per gallon.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

SODIUM THIOSULFATE SPECIFICATION AND BID FORM – ITEM #10

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: Sodium Thiosulfate (30%) meeting any applicable current AWWA specifications.
2. Total Requirements: Approximately 150 gallons, but we reserve the option to increase or decrease our demand as needed. (12.7 lbs. per gallon = 1,905 lbs.)
3. Orders: Orders will be delivered to the owner at the vendor's regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Containers: 55 gallon containers. No deposit for the containers shall be made.
5. Shipping Terms: F.O.B. unloaded at the Chilhowie/WCSA Water Treatment Plant at 16332 Mill Creek Road, Chilhowie, Virginia 24319. **Shipments must come on a short truck with a lift gate. No Exceptions!** Prices to include shipping and delivery charges.
6. Deliveries: We reserve the option to schedule the deliveries as the need demands. Cost of delivery to be included in the per-gallon cost of chemicals.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per gallon.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

SODIUM HYPOCHLORITE SPECIFICATION AND BID FORM – ITEM #11

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: Bleach – Sodium Hypochloride (12.5%) meeting any applicable current AWWA specifications.
2. Total Requirements: Approximately 1,500 gallons, but we reserve the option to increase or decrease our demand as needed. (12.7 lbs. per gallon = 19,050 lbs.)
3. Orders: Orders will be delivered to the owner at the vendor’s regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Containers: 55 gallon containers. No deposit for the containers shall be made.
5. Shipping Terms: F.O.B. unloaded and placed in our storage area at the Chilhowie/WCSA Water Treatment Plant at 16332 Mill Creek Road, Chilhowie, Virginia 24319. **Shipments must come on a short truck with a lift gate. No Exceptions!** Price to include shipping and delivery charges.
6. Deliveries: We reserve the option to schedule the deliveries as the need demands. Cost of delivery to be included in the per-gallon cost of chemicals.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per gallon.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

SULFURIC ACID SPECIFICATION AND BID FORM – ITEM #12

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: Sulfuric Acid (50%) meeting any applicable current AWWA specifications.
2. Total Requirements: Approximately 1,000 gallons, but we reserve the option to increase or decrease our demand as needed. (12.7 lbs. per gallon = 12,700 lbs.)
3. Orders: Orders will be delivered to the owner at the vendor’s regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Containers: 55 gallon containers. No deposit for the containers shall be made.
5. Shipping Terms: F.O.B. unloaded and placed in our storage area at the Chilhowie/WCSA Water Treatment Plant at 16332 Mill Creek Road, Chilhowie, Virginia 24319. **Shipments must come on a short truck with a lift gate. No Exceptions!** Prices to include shipping and delivery charges.
6. Deliveries: We reserve the option to schedule the deliveries as the need demands. Cost of delivery to be included in the per-gallon cost of chemicals.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per gallon.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

DECHLORINATION TABLETS SPECIFICATION AND BID FORM – ITEM #13

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: Dechlorination tablets meeting any applicable current AWWA specifications and NPDES permits.
2. Total Requirements: Approximately 3600 pounds, but we reserve the option to increase or decrease our demand as needed.
3. Orders: Orders will be delivered to the owner at the vendor's regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Containers: 45 pound pails. No deposit for the containers shall be made.
5. Shipping Terms: F.O.B. unloaded and placed in our storage area at the WCSA Water Treatment Plant, 18385 Jeb Stuart Highway, Abingdon, Virginia 24211. Prices to include shipping and delivery charges.
6. Deliveries: We reserve the option to schedule the deliveries as the need demands. Cost of delivery to be included in the per-pound cost of chemicals.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$ _____ per pound.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

20% SODIUM PERMANGANATE (CARUSOL) – ITEM #14

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: 20% Sodium Permanganate Solution meeting current AWWA specifications.
2. Total Requirements: Approximately 2640 gallons annually. We reserve the option to increase or decrease our demand as needed.
3. Orders: Orders may be submitted by phone, fax, or e-mail.
4. Deliveries: Ordinarily every 30 days as needed, but we reserve the option for more frequent deliveries if the scope of the operation changes. Cost of delivery to be included in per-gallon cost of chemicals.
5. Containers: 275 gallon containers to be rotated on delivery. No deposit for the containers shall be made. **PLEASE NOTE: Empty containers to be picked up with deliveries. No exceptions!**
6. Shipping Terms: F.O.B. unloaded and placed in our water treatment plant, 18385 Jeb Stuart Highway, Abingdon, Virginia 24211. Price to include shipping and delivery charges.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____ per gallon.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

SODIUM HYPOCHLORITE SPECIFICATION AND BID FORM – ITEM #15

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: 12.5% Sodium Hypochlorite (Bleach) Solution meeting any applicable current AWWA specifications.
2. Total Requirements: Approximately 450 gallons, but not known for certain. We reserve the option to increase or decrease our demand as needed.
3. Orders: Orders will be delivered to the owner at the vendor's regular weekly visit. Orders may be submitted by other means such as phone call or fax.
4. Deliveries: Ordinarily about every 30 days as needed, but we reserve the option for more frequent deliveries if the scope of operation at our well changes. Cost of delivery to be included in the per-gallon cost of chemicals.
5. Containers: 15 gallon containers to be rotated upon delivery. No deposit for the containers shall be made.
6. Shipping Terms: F.O.B. unloaded and placed in our storage area at our water treatment plant, 18385 Jeb Stuart Highway, Abingdon, Virginia 24211. Price to include shipping and delivery charges.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per gallon.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code

HYDROFLUOSILICIC ACID SPECIFICATION AND BID FORM – ITEM #16

Bids to be opened Wednesday, May 17, 2017, 2:00 p.m. EST

1. Material Specifications: 23% Hydrofluosilicic Acid; AWWA and NSF certified.
2. Total Requirements: Approximately 45,000 lbs. annually. We reserve the option to increase or decrease our demand as needed.
3. Orders: One annually. Orders may be submitted by other means such as phone call or fax.
4. Deliveries: Once annually. Cost of delivery to be included in the per-gallon cost of chemicals.
5. Containers: Bulk containers. No deposit for the containers shall be made.
6. Shipping Terms: F.O.B. unloaded and placed in our storage area at our water treatment plant, 18385 Jeb Stuart Highway, Abingdon, Virginia 24211. Price to include shipping and delivery charges.
7. Payment: Our check mailed within 30 days of receipted delivery.
8. Uniformity: Any quote which is not in accordance with these specifications, or is otherwise qualified in any way, may be deleted from consideration.

Your quote based on the above is \$_____per gallon.

Signature and Date

Printed Name and Title

Supplier Name and Telephone Number

Street Address, City, State, Zip Code