

Eastern Massachusetts Chemical Cooperative  
Town of Hopkinton  
Hopkinton Town Hall  
18 Main Street  
Hopkinton, MA 01748  
April 18, 2024

INVITATION FOR BID #FY2025: Treatment Chemicals

A. INVITATION

Sealed bids are requested by the Eastern Massachusetts Chemical Cooperative on behalf of the Town of Hopkinton Water Department (Host) for water treatment chemicals. Twenty-four communities are participating in this bid.

**Bids are to be submitted and received by 11:00 a.m., May 9, 2024**, at which time they will be publicly opened and read aloud. Postmarks will not be considered. All bids must be sealed and made upon forms furnished herein. Bids submitted on any other form will not be accepted as valid bids. **Envelopes should be clearly marked "Bid #FY2025, Treatment Chemicals"**.

The bids will be received by the following bid "Host":

Town of Hopkinton  
Town Hall, 2<sup>nd</sup> Floor  
18 Main Street  
Hopkinton MA 01748

This bid includes the supply and delivery of up to 32 different chemicals for the period between **July 1, 2024 through June 30, 2025**.

The bidding and award of a Contract shall be in full compliance with Chapter 30B of the General Laws of the Commonwealth of Massachusetts as last revised.

B. GENERAL CONDITIONS

1. Bidders must satisfy themselves by personal examination of the site of the work, and by such other means as they wish, as to the actual conditions there existing, the character and requirements of the work, the difficulties attendant upon its execution, and the accuracy of all estimated quantities stated in the bid, and the communities make no warranty or representation as to any of said matters or as to the accuracy or adequacy of the methods by which any descriptions or estimates have been obtained.
2. The contractor shall furnish all labor, services, materials, equipment, plant, machinery, apparatus, appliances, tools, supplies and all other things necessary to do all work required for the completion of each item of the work as herein specified.
3. The successful bidder shall replace, repair or make good, without costs to the communities, defects or faults arising within one (1) year after date of acceptance of articles furnished hereunder (acceptance not to be unreasonably delayed) resulting from imperfect or defective work done or materials furnished by the Seller.
4. The successful bidder shall comply with all applicable federal, state and local laws and regulations.

5. Purchases made by these utilities are exempt from taxes and bid prices must exclude any taxes. Tax exemption certificates will be furnished upon request.
6. Verbal orders are not binding and deliveries made or work done without formal Purchase Order or Contract are at the risk of the Seller or Contractor and may result in an unenforceable claim.
7. "Equality": An item equal to that named or described in the specifications of the contract may be furnished by the Contractor and the naming of any commercial name, trademark, item or manufacturer shall not be construed as limiting competition but shall establish a standard of quality only. An item shall be considered equal to the item so named or described if (1) it is at least equal in quality, durability, appearance, strength and design, (2) it will perform at least equally the function imposed by the general design for the work being contracted for or the material being purchased, and (3) it conforms substantially, even with deviations, to the detailed requirements for the item in the specifications. The name and identification of all materials other than the one specifically named shall be submitted to the community utility for approval, prior to purchase, use or fabrication of such items. Subject to the provisions of Chapter 30B of the General Laws of the Commonwealth of Massachusetts as last revised, approval shall be at the sole discretion of the community utility, shall be in writing to be effective, and the decision of the community utility shall be final. The community utility may require tests of all materials so submitted to establish quality standards at the Contractor's expense. All directions, specifications and recommendations by manufacturers for the installation, handling, storing, adjustment and operation of their equipment shall be complied with; responsibility for proper performance shall continue to rest with the Contractor.
8. For the use of material other than the one specified, the Contractor shall assume the cost of and responsibility for satisfactorily accomplishing all changes in the work as shown. If no manufacturer is named, the Contractor shall submit the product he/she intends to use for approval by the community utility.
9. Except as otherwise provided for by the provisions of Chapter 30B of the General Laws of the Commonwealth of Massachusetts as last revised, the Contractor shall not have any right of appeal from the decision of the Cooperative condemning any materials furnished if the Contractor fails to obtain the approval for substitution under this clause. If any substitution is more costly, the Contractor shall pay for such costs.
10. All words, signatures and figures submitted on the bid shall be in ink. **Proposals which are conditional, obscure or which contain exceptions not called for, erasures, alterations or irregularities, or any prices which contain abnormally high or low prices for any item, may be rejected if deemed to be in the best interests of a member community utility.**
11. More than one proposal or bid for any single item from the same bidder will not be considered, and may be rejected as informal by any participating utility, unless specifically asked for by the bid.
12. Each participating utility reserves the right to reject any or all proposals (at any time), to waive technicalities, to advertise for new proposals (at any time), to split awards, or take such other actions in the best interests of the utility relative to the bids. The contract or contracts will be awarded by the individual utility within sixty (60) business days after opening bids. The right is reserved to require samples of materials for inspection and testing.
13. **IF AT ANY TIME THE CONTRACTOR IS UNABLE TO FURNISH MATERIALS OR**

**SERVICES AS ORDERED BY A UTILITY, THE CONTRACTOR SHALL BE OBLIGATED TO OBTAIN DELIVERY FROM ANOTHER SUPPLIER AND WILL, IN TURN, INVOICE THE UTILITY AT THE PRICE SPECIFIED IN THE CONTRACT WITH THE UTILITY,**

**OR**

**THE UTILITY MAY ORDER SUCH MATERIALS OR SERVICES FROM SUCH PLACES AS ARE AVAILABLE AND THE CONTRACTOR SHALL PAY TO THE UTILITY ALL EXPENSES INCURRED ABOVE THE CONTRACT PRICE.**

**C. CONTRACT PERIOD**

The contract period shall be for the period of **July 1, 2024, through June 30, 2025.**

**D. PRICES**

Prices must be stated on the attached bid form on a unit price basis applicable to all participating communities. No after bid surcharges shall apply. Annual consumption numbers are estimates only. The actual quantities ordered may be less than or greater than the quantities listed herein. Prices must include delivery to multiple sites within each system as noted herein.

**E. RULE FOR AWARD**

Each participating Chemical Cooperative member utility will award the bid to the responsive and responsible bidder offering the lowest price as determined by each participating utility, and to waive as informal any technicalities determined to be in the best interests of the participating utility.

**F. MINIMUM EVALUATION CRITERIA**

Each Chemical Cooperative member utility participating in this bid shall be responsible for making their own individual award to the bidder who offers the best price and who is deemed to be both responsive and responsible. Determination of responsiveness and responsibility shall be based solely on the following criteria:

1. Bidders will be deemed responsive if they complete all required forms as included in the attached bid form package to the satisfaction of the Eastern Massachusetts Chemical Cooperative. The Town of Hopkinton shall act as the delegated authority for questions, issues, comments, and interpretations regarding this bid. All questions must be submitted in writing. Please contact **Maureen McKeon at 508-497-9705 Ext 1107 or [mmckeon@hopkintonma.gov](mailto:mmckeon@hopkintonma.gov).**
2. Bidders will be deemed responsible if they have demonstrated ability or provide these supplies in a timely fashion.

## G. GENERAL SPECIFICATIONS

1. All products supplied must meet all federal, state, and local standards for quality and safety requirements. Products not meeting the standards will be deemed unacceptable and returned to the Contractor at no charge. Any contaminated chemicals must be retrieved by the Contractor at no charge. All products will be delivered in new and unopened containers, in a condition acceptable to the community utility.
2. Safety Data Sheets (SDS) must be provided on all chemicals at the time of delivery or upon request by the community utility. All chemicals must be properly labeled in accordance with all federal, state, and local laws or requirements. The shelf life must be indicated on the product. No expired products will be accepted. If products are delivered with insufficient life to meet the community utility's needs, the product may be returned to the Contractor for replacement or refund.
3. All products must be shipped in approved containers. All containers will be furnished by and remain the property of the Contractor. The return of empty containers will be at the expense of the Contractor. The net weight invoiced must be the gross weight of each container less tare weight.
4. Delivery will be FOB Destination. All products must be delivered and unloaded on-site at the Contractor's risk with all charges for transportation and unloading prepaid by the Contractor. Liability for product delivery will remain with the Contractor until properly delivered and acknowledged by the utility. The Contractor will be responsible for the clean-up and any required regulatory filings for any and all chemical spills attributed to the Contractor and associated with a participating utility.
5. **The Contractor will be required to deliver products in not more than three (3) business days from time of order placement.** Items specified as an emergency require next day delivery. The community utility will have the option of specifying an automatic delivery or call as needed schedule. **Due to increased security, the individual utility should be notified of driver's name and license number prior to delivery.** Bills of lading and certificate of analysis (COA) will be required.
6. All products **must be ANSI/NSF Standard 60 certified** for drinking water treatment chemicals.
7. The following listed communities are participating in this bid:

<b>Abington</b>	<b>Avon</b>	<b>Braintree</b>	<b>Cohasset</b>
<b>Dedham</b>	<b>Duxbury</b>	<b>East Bridgewater</b>	<b>Edgartown</b>
<b>Halifax</b>	<b>Hanson</b>	<b>Holbrook</b>	<b>Hopkinton</b>
<b>Kingston Sewer</b>	<b>Kingston Water</b>	<b>Norwell</b>	<b>Pembroke</b>
<b>Plymouth</b>	<b>Randolph</b>	<b>Rockland</b>	<b>Scituate Sewer</b>
<b>Scituate Water</b>	<b>Tisbury</b>	<b>Westwood</b>	<b>Weymouth</b>

A summary of estimated quantities and specific delivery information and requirements is provided in Section J of this Invitation for Bid.

8. The quantities are approximate, and the communities do not expressly or by implication agree that the amounts will correspond therewith, but reserve the right to increase or decrease the quantity in accordance with their needs.
9. REJECTION: The products shall be rejected if it fails to conform to the requirements of the specifications and if any community utility is required to purchase from another supplier because of failure to meet specifications, the original supplier shall pay any additional cost as long as the failure to meet specifications continues.
10. Detailed technical specifications for each chemical are provided in Section J. A separate technical specification shall apply to the chemical polyaluminum chloride. The polyaluminum chloride specification is provided in Section I of this bid.

#### H. MISCELLANEOUS ARTICLES

1. Please contact **Maureen McKeon** at the Town of Hopkinton if you have any questions on the bidding process at **508-497-9705, extension 1107 or [mmckeon@hopkintonma.gov](mailto:mmckeon@hopkintonma.gov)**.
2. Except as hereinafter expressed provided, once a bid is submitted and received by the delegated authority, the bidder agrees that he may not and will not withdraw it within sixty (60) calendar days after the actual date of the opening of bids.
3. Upon proper written request and identification, bids may be withdrawn only as follows:
  - a. at any time prior to the designated time for the opening of bids;
  - b. provided the bid has not been accepted by a Cooperative member community utility, at any time subsequent to sixty days following the actual date of bid opening.
4. Unless a bid is withdrawn as provided above, the bidder agrees that it shall be deemed open for acceptance until a contract has been executed by both sides or until the community utility notifies the bidder in writing that his bid is rejected or that the community utility does not intend to accept it, or returns his bid surety. Notice of acceptance of a bid shall not constitute rejection of any other bid.
5. The Contractor shall maintain liability and property damage insurance, including medical liability insurance, sufficient to satisfy any and all claims arising out of the service rendered under this contract including but not limited to the following:
  - a. General Liability: \$1,000,000.00 per occurrence
  - b. Bodily Injury Liability: \$500,000.00 per occurrence
  - c. Property Damage Liability: \$1,000,000.00 per occurrence, or a combined single limit of \$3,000,000.00
  - d. Annual Aggregate Limit: 3,000,000.00
  - e. Workers' Compensation Insurance for all its employees in accordance with Massachusetts General Laws.
6. The Contractor shall deposit with each Cooperative member community utility evidence of such insurance upon signature of contract. All policies of insurance shall require a thirty (30) day notice

of cancellation to the community utility and each community utility shall be designated as a co-insured on all such policies.

7. The Contractor shall, to the maximum extent permitted by law, indemnify and save harmless the communities, its officers, agents and employees from and against any and all damages, liabilities, actions, suits, proceedings, claims demands, losses, costs and expenses (including reasonable attorney's fees) that may arise out of or in connection with the work being performed or to be performed by the Contractor, his employees, agents, sub-contractors or material men. The existence of insurance shall in no way limit the scope of this indemnification. The Contractor further agrees to reimburse the appropriate community utility for damage to its property caused by the Contractor, his employees, agents, sub-contractors or material men, including damages caused by his, its or their use of faulty, defective or unsuitable material or equipment, unless the damage is caused by the community utility's gross negligence or willful misconduct.
8. The communities participating in this bid encourage participation by minority and women owned businesses. Such businesses are urged to submit bids.

## I. TECHNICAL SPECIFICATIONS: POLYALUMINUM CHLORIDE

### PART 1: GENERAL

- 1.1 This specification covers liquid polyaluminum chloride for use as a coagulant for potable water treatment.
- 1.2 Included with the bid, the bidder shall furnish to the OWNER an affidavit of compliance stating the polyaluminum chloride product he intends to furnish in accordance with his bid price complies with this specification and AWWA B408 (latest version).
- 1.3 A representative sample, 250 milliliters in volume, **shall be submitted to each community utility using polyaluminum chloride listed in Section J at least 7 days prior to the bid opening date.** The sample must be submitted in a clean, vapor-proof container, clearly marked with the name and address of the supplier, and identified with the lot/batch number and date of manufacture of the contents. The bidder shall have a duplicate sample tested by a qualified third-party testing laboratory, and a certified test report shall be submitted to the COMMUNITY UTILITY/OWNER at the same time as the representative sample is submitted. The certified test report must list the results of analyses for the following parameters:

% aluminum (Al), % aluminum (as Al<sub>2</sub>O<sub>3</sub>), % chloride (Cl), % sulfate (SO<sub>4</sub>), % basicity, pH, specific gravity (at 20°C), viscosity (CP at 25°C), freezing point (°C), turbidity (NTU), arsenic (As), barium (Ba), cadmium (Cd), chromium (Cr), copper (Cu), lead (Pb), mercury (Hg) method USEPA Method 245.1, nickel (Ni), selenium (Se), silver (Ag), and zinc (Zn). Analytical test results shall be reported in mg/L, unless otherwise specified. The method of analysis used for trace metals shall have a detection level of 0.002 mg/L or lower. Along with the certified test report, the bidder must provide a statement certifying that the material he intends to ship, should his bid be successful, is equal in quality to the reference sample submitted.
- 1.4 The OWNER reserves the right to have the reference sample furnished under Section 1.3 analyzed by a qualified independent testing laboratory for any or all of the parameters listed in Section 1.2 at any time up until the contract award date.

- 1.5 The OWNER may elect to accept a bid on the basis of:(1) the bidders certified test report and accompanying affidavit of compliance;(2) the bidder's certified test report completed by a qualified third-party testing laboratory and accompanying affidavit of compliance;(3) the OWNER's own testing of the reference sample submitted by the bidder and required affidavit of compliance; or (4) the OWNER's own testing of the reference sample.
- 1.6 If the polyaluminum chloride reference sample furnished under Section 1.3 does not conform to the requirements of this specification, a notice of nonconformance will be issued by the OWNER to the bidder. The results of the COMMUNITY UTILITY/OWNER's independent test shall prevail.
- 1.7 In addition to the requirements of Section 1.4, the OWNER will consider the chemical coagulant cost per million gallons of water treated as a criterion in awarding the bid. This cost shall be determined by the OWNER based on his or his representative's bench scale (jar) tests conducted in accordance with the procedures contained in Section 2.6 of this specification.

## PART 2: MATERIALS

- 2.1 The polyaluminum chloride product must be: certified under National Sanitation Foundation (NSF) Standard 60, Drinking Water Treatment Chemicals - Health Effects.
- 2.2 The product furnished shall be an aqueous solution of polyaluminum hydroxychlorosulfate.
- 2.3 The product shall conform to the following material specification:

% Aluminum (Al)	5.5 ± 0.5
% Basicity	75 ± 10
% Chloride (Cl)	10 ± 2
% Sulfate (SO <sub>4</sub> )	2.5 ± 1.5
Freezing Point (°C)	-12
pH (standard units)	2.6 ± 0.5
Specific Gravity @ 20 °C	1.2 ± 0.15
Turbidity (NTU)	< 40
Viscosity (cps at 25 °C)	< 10

- 2.4 The polyaluminum chloride supplied in accordance with this specification shall contain no substances in quantities capable of producing deleterious or injurious effects on the health of those consuming water that has been properly treated with polyaluminum chloride. The polyaluminum chloride shall not contain any natural or synthetic organic polymers nor shall it contain any specific impurities in excess of the limits listed below:

<b><u>Impurity</u></b>	<b><u>mg/L</u></b>
Arsenic (As)	0.005
Barium (Ba)	0.1
Cadmium (Cd)	0.05
Chromium (Cr)	0.3
Copper (Cu)	0.1
Lead (Pb)	0.03
Mercury (Hg)	0.002
Nickel (Ni)	0.5

Selenium (Se)	0.05
Silver (Ag)	0.01
Zinc (Zn)	0.3

2.5 The polyaluminum chloride must have the ability, as demonstrated by bench scale (jar) tests conducted by the OWNER or his representative, to perform effectively over all color, turbidity, pH and temperature ranges encountered for the OWNER's raw water supply. To demonstrate such performance, the OWNER shall conduct bench-scale (jar) tests under test conditions in accordance with the procedures contained in Section 2.6.

2.6 The OWNER or his representative shall conduct bench-scale (jar) tests of each polyaluminum chloride product (for which bids are received) in accordance with the following standardized procedures:

#### 2.6.1 Equipment and Materials

- Six-paddle Phipps and Bird Stirrer with lighted base
- Six, 2-liter square jars with outlet tap located 10 cm below 2-liter mark
- 1  $\mu\text{m}$  GFC filter paper, 47 mm diameter
- Six plastic funnel cones (100 mm top diameter)
- Magnetic stirrer and stir bar
- Beakers, flasks, pipettes and other laboratory glassware
- Raw water sample collected and held at 4°C, or cooled and held at 4 °C
- HACH Ratio 2000 Turbidimeter
- Laboratory Spectrophotometer
- Distilled or DI water

#### 2.6.2 Test Procedures

Step 1: At the start of each test, prepare a "stock" solution of the polyaluminum chloride product in accordance with the manufacturer's written recommendations. In the absence of such recommendations, the "stock" solution shall be prepared as a 1% solution, such that 1 ml of the "stock" solution added to 1 liter of water sample equates to a dose of 10 mg/L (dry basis). PACl may also be applied neat by using a micro syringe.

Step 2: Place one liter of the raw water sample in each of the six square jars. Place the jars on the lighted base of the stirrer and lower a rectangular stirring paddle into each jar. Test A shall be conducted at a raw water temperature less than 5 °C, Test B shall be conducted at a raw water temperature greater than 15°C.

Step 3: Measure out amount of dosage for each jar, and store on top of stirrer.

Step 4: Mix the raw water samples at 20 rpm. While the samples are being mixed, add varying dosages of the polyaluminum chloride product to the center of each jar, as quickly as possible.

Step 5: Increase the mixer speed to 100 rpm and mix for 1 minute. Lower the mixer speed to 20 rpm and mix for 15 minutes. At the end of the slow-mix period, turn off the stirrer. This shall establish the start of the settling period.



- Step 6: Allow the jars to settle undisturbed for 20 minutes. At the end of the 20-minute settling period, slowly withdraw a 50 ml sample from each jar with a 50 ml pipette at a depth of 1/2" to 3/4" below surface of water.
- Step 7: Analyze the sample of settled water withdrawn from each jar for turbidity, apparent color, pH, and UV-254 using standard procedures.
- Step 8: Quarter and fold a piece of Whatman 1 filter paper for each sample and run approximately 100 mL of DI or distilled water through the cone to remove filter paper particulate. Disregard this filtrate.
- Step 9: Slowly withdraw 250 mL of sample from each jar with a 50 mL pipette at a depth of 1/2" to 3/4" below surface of water. Carefully pour each sample through a quartered and folded piece of Whatman 1 filter paper. Sample filtration using a vacuum filter and 1 µm GFC filter paper shall be considered equivalent. After all of the water has passed through the paper, analyze the filtered water for turbidity, apparent color, pH, and UV-254.
- Step 10: If at least one of the settled and filtered water samples does not meet the water quality performance criteria specified in Section 2.6.3, repeat Steps 1 through 9 using greater dosages of the polyaluminum chloride product than originally used in Step 5.

### 2.6.3 Water Quality Performance Criteria:

The optimum dose for each product shall be defined as the minimum dose ("dry" basis) necessary to meet the following performance criteria:

- settled water turbidity after 20 minutes settling < 1.0 NTU
- settled water apparent color after 20 minutes settling < 10 CU
- settled water UV-254 after 20 minutes settling < 0.04 1/cm
- filtered water turbidity after 20 minutes settling < 0.20 NTU
- filtered water apparent color after 20 minutes settling < 5 CU
- filtered water UV-254 after 20 minutes settling < 0.04 1/cm

The optimum dose shall meet the performance criteria listed above under both Test A and Test B conditions. In the event that the dose found to be optimum for each test condition is different, the higher does shall prevail.

### PART 3: SAMPLING, SHIPPING AND MARKING

- 3.1 The supplier shall furnish a sample of the polyaluminum chloride product before each shipment, if so requested by the OWNER. The method of sample collection shall be as agreed upon between the supplier and OWNER.
- 3.2 Bulk shipments of polyaluminum chloride shall be in tank trucks in conformance with the U.S. Department of Transportation requirements and shall have tight closures to avoid loss and contamination of the material in transit. The interior of tank trucks shall be clean and free from dirt,

corrosion/scale, and other contaminants. All shipments shall be made in dedicated containers used exclusively for the shipment of polyaluminum chloride.

- 3.3 Bulk shipments shall be accompanied by weight certificates of certified weighers. The OWNER reserves the right to check the weight by certified weigher upon delivery.
- 3.4 Each shipment of polyaluminum chloride shall carry with it some means of identification, including but not limited to the net weight of the contents, the name of the manufacturer, the lot/batch number, brand name, date of manufacture, and any and all other markings as required by applicable regulations and laws.
- 3.5 All shipments must arrive at the location identified by the OWNER between the hours of 7:00 a.m. and 2:00 p.m. prevailing time, Monday through Friday, unless otherwise specifically authorized by the OWNER.

#### PART 4: IN-PLANT PERFORMANCE

- 4.1 The polyaluminum chloride will also be evaluated on the basis of in-plant total cost per million gallons to produce delivered water from the water treatment facility. If the products being offered on the bids have already been added as the primary coagulants at the treatment facility, then historical data pertaining to the total cost per million gallons of delivered water while each was utilized will be compared to establish a performance ratio. This number will then be used to determine the true efficiency cost per pound of the various products being compared; thus insuring the lowest overall cost to the OWNER, by awarding the contract to the most cost effective product. This method will also consider target finished water pH levels and the overall effects treated water pH and chemical dosage requirements for pH adjustment.
- 4.3 If the apparent "Low Bid" product has not been utilized at the OWNER's water treatment facility, but it passes the criteria set forth in Section 2.6 (bench- scale testing), then a bid award will be issued pending full scale plant evaluation. The products' total cost per million gallons of delivered water will then be compared to the historical costs of the other products which have been utilized by the water treatment facility for the same seasonal periods. This will establish the performance ratio which will then be applied against the bid price per pound to determine the most cost effective product.
- 4.4 The OWNER reserves the right to disqualify the product if performance during in-plant testing does not meet quality standards or fails to perform to the satisfaction of the OWNER, in terms of ease of chemical addition, length of filter runs, timeliness of delivery, etc. In the event of disqualifying a product, the OWNER will offer an award to the next lowest qualified bidder for the remainder of the contract period.

**J. CHEMICAL SUMMARY TABLE AND REQUIREMENTS**

**General Specifications:**

1. All chemicals supplied must comply with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals - Health Effects.
2. All individual chemical packages/container shall bear the NSF mark.
3. Bidder shall furnish to the Owner an affidavit of compliance stating chemical product being furnished complies with this specification.
4. Bidder shall furnish a chemical data sheet and product sample with each delivery including the specific gravity of the batch.
5. Bidder shall provide Owner with a product grab sample from each bulk delivery container.
6. Owner shall not accept delivery of product until on-site verification of product sample provided .
7. Deliveries must arrive no later than 11:00 a.m. if "morning" delivery is requested by the Owner. No deliveries after 2 p.m.
8. Upon request, bidder shall supply Owner with a list of drivers and trailer numbers making chemical deliveries.
9. Upon request by the Owner, bidder shall contact the Owner on the day preceding deliveries and provide delivery vehicle license plate and drivers name.
10. Minimum bulk delivery for liquid chemicals shall be 500 gallons.
11. Please refer to paragraph I for additional polyaluminum chloride bid specifications.
12. The quantities listed below represent the approximate annual usage for each community and chemical.
13. The country of origin for the chemical shall be supplied to Owner upon request.
14. Methanol: Purity 99.85% min by wt.; S.G. 0.7865 - 0.7895; water and Cl, 0.1% max by wt.; other impurities 0.001% max by wt.
15. Modified Bulk Delivery: where noted, shall mean a single bulk volume where the contents are split/delivered between multiple locations of the same utility.
16. Invoices shall be submitted based on the noted bid quantities and prices. For a bid item as "gallons", the invoice will show gallons delivered and unit price \$/gal
17. Granular activated carbon shall be delivered in 20,000 lb allotments. Bid price good for all addresses for all systems.

**1. Chemical: Aluminum Sulfate (liquid, 50%) AWWA B403-latest edition (bulk)**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Abington/Rockland	150,000	1,2,3	
Norwell	8,000	1	
Scituate Water	31,000	1	

**2. Chemical: Copper Sulfate (dry, medium cr. AWWA B602-latest edition (55 lb bags)**

<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Braintree	5,000	1	

**3. Chemical: Ferric Chloride (liquid, 40%) AWWA B407-latest edition (55 gal drums)**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Cohasset	1,280	1	50 gal drums

**4. Chemical: Granular Activated Carbon Filtrasorb FS400 or equal, AWWA B604-latest edition**

<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
All	20,000	All	20,000 lb deliveries

**5. Chemical: Hydrated Lime AWWA B202-latest edition (bulk or 50 lb bags)**

<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Abington/Rockland	110,000	2	Bulk delivery, pneumatically filled
Kingston Water	35,000	1	50 lb bags, Straight Truck with Operable Lift Gate and Pallet Jack
Randolph/Holbrook	40,000	1	50 lb bags

**6. Chemical: Hydrofluorosilicic Acid (25%) AWWA B703-latest edition (bulk)**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Dedham/Westwood	3,000	1	
Dedham/Westwood	1,000	2	Deliver in small tanker only OR only the volume of our order shall be in tanker. Large truck must back down driveway.
Weymouth	4,000	1	

**7. Chemical: Liquid Chlorine (150 lb Cylinder AWWA B301-latest edition (150 lb Cylinders and 1-ton Cylinders))**

<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Abington/Rockland	30,000	1,2,3	150-lb Cylinders, delivered into chlorine room storage area
Braintree	25,000	1	1-Ton Cylinders, delivered into chlorine room storage area
Cohasset	5,100	1	150-lb Cylinders, delivered into chlorine room storage area
Dedham/Westwood	12,000	2	150-lb Cylinders, delivered into chlorine room storage area
Dedham/Westwood	13,000	1	150-lb Cylinders, delivered into chlorine room storage area
Norwell	4,000	1	150-lb Cylinders, delivered into chlorine room storage area
Randolph/Holbrook	26,000	1	150-lb Cylinders, delivered into chlorine room storage area
Scituate Water	5,100	1	150-lb Cylinders, delivered into chlorine room storage area
Weymouth	30,000	1,2	150-lb Cylinders, delivered into chlorine room storage area

**8. Chemical: Liquid Oxygen, (bulk) AWWA B304-latest edition**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Weymouth	60,000	1	

**9. Chemical: Magnesium Oxide CAS number 1309-48-4**

<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Kingston Sewer	41,400	1	275 Gallon Totes Required. 2 to 3 per delivery

**10. Chemical: Methanol (99.85%) Commercial Grade: Grade Code ME09 (bulk and 55 gal drums)**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Duxbury	2,000	8	55 gal drum, Straight Truck with Operable Lift Gate
Scituate Sewer	22,350	1	Bulk

**11. Chemical: Ortho/Poly Blended Phosphate (80% ortho/20% poly, minimum 33% phosphate), (bulk)**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Braintree	7,500	1	

**12. Chemical: Ortho/Poly Blended Phosphate (70% ortho/30% poly, minimum 33% phosphate, equivalent to Carus 8600), (bulk (At Whitelodge) and 55 gal drums (At Bridge St.))**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Dedham/Westwood	3,400	1	Must be equivalent to Carus 8600. Bulk tanker 850-gal/delivery or offload to fill station from totes.
Dedham/Westwood	1,800	2	Must be equivalent to Carus 8600. 55-gal. Drums ordered 4 at a time. No more than 2 to a pallet. Straight truck with operable lift gate and pallet jack required.

**13. Chemical: Ortho/Poly Blended Phosphate (40% ortho/60% poly, minimum 33% phosphate, equivalent to SK-7641), (55 gal drums)**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Cohasset	1,250	1	55 gal drum, Straight Truck with Operable Lift Gate
Plymouth	1,105	3,5,8	55 gallon drum

**14. Chemical: Phosphoric Acid (75%) Technical Grade (bulk)**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Weymouth	5,600	1,2	

**15. Chemical: Polyaluminum Chloride AWWA B408- latest version (high basicity: 65-85), (bulk)**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Braintree	75,000	1	
Cohasset	31,500	1	
Randolph/Holbrook	375,000	1	
Weymouth	200,000	1,2	

**16. Chemical: Polymer, Cationic (PolyDADMAC) Equivalent to Superfloc C-591 or Clarifloc 6286**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
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Weymouth 660 1 55 gal drums, truck needs lift gate

**17. Chemical: Polymer, Cationic (Dry Polymer Equivalent to ACP-335)**

<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Scituate Sewer	2,420	1	50 lb bags, Equivalent to ACP-335

**18. Chemical: Polymer, Nonionic (Polyacrylamide High molecular weight (Equivalent to Clarifloc N-6310))**

<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Cohasset	1,760	1	5 gal pail

**19. Chemical: Potassium Hydroxide ( 45%) AWWA B511 – latest edition (bulk)**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Avon	15,000	2,3,4	3500 Gal, 4500 Gal, 8500 Gal Respectively
Dedham/Westwood	6,000	1	
Dedham/Westwood	8,500	2	Deliver in small tanker of 900-1200 gallons. Large truck does not fit on site.
Edgartown	10,000	1,4	
Hopkinton	11,000	1	
Kingston Water	28,000	2,3	
Norwell	40,000	1,2,3	
Pembroke	44,000	1,2,3	
Scituate Water	42,000	1,2,3,4,5	
Weymouth	12,000	2	

**20. Chemical: Potassium Permanganate AWWA B603-latest edition (free flowing), (5 gallon pails)**

<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Abington/Rockland	50,000	1,2,3	Manufactured in the United States, Straight truck required
Dedham/Westwood	4,000	2	Manufactured in the United States, free flowing 97% pure, Straight truck required
Dedham/Westwood	2,200	1	Manufactured in the United States, free flowing 97% pure, Straight truck required
Duxbury	3,000	5	Manufactured in the United States, 55# pail
East Bridgewater	1,980	1, 2	Manufactured in the United States, 55# pail
Norwell	3,000	1	Manufactured in the United States, 5 gallon pails
Scituate Water	180	5	
Weymouth	17,000	1,2	Manufactured in the United States, Cairox or equal

**21. Chemical: Powdered Activated Carbon AWWA B600-latest edition (bulk)**

<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Abington/Rockland	70,000	2	Bulk delivery, pneumatically filled.

**22. Chemical: Sodium Bicarbonate Granular, Alkalinity First™ or equal**

<u>Community</u>	<u>ton/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Weymouth	250	1	

**23. Chemical: Sodium Bisulfite**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Halifax	1,000	1	

<b>24. Chemical: Sodium Carbonate</b>		<b>AWWA B201 - latest edition, dense grade (bulk and 50 lb bags)</b>	
<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Duxbury	10,000	8	50 lb bags, Straight Truck with Operable Lift Gate
Scituate Sewer	481,723	1	Bulk
<b>25. Chemical: Sodium Chlorite (25%)</b>		<b>AWWA B303 - latest edition (275 gal Totes)</b>	
<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Scituate Water	1,650	1	6 totes
<b>26. Chemical: Sodium Fluoride</b>		<b>AWWA B701-latest edition: (50 lb bags)</b>	
<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Cohasset	3,400	1	Granular, free flowing.
Duxbury	10,000	5	Granular, free flowing, 50 # bags
Pembroke	10,000	1	Granular, free flowing.
Scituate Water	4,000	1	50 lb Bags
Weymouth	3,800	2	50 lb Bags
<b>27. Chemical: Sodium Hexametaphosphate</b>		<b>AWWA B502-latest edition (50 lb bags)</b>	
<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Duxbury	2,500	5	(plate)
<b>28. Chemical: Sodium Hydroxide (25%)</b>		<b>AWWA B501-latest edition (bulk)</b>	
<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Abington/Rockland	95,000	1,3	
Braintree	37,000	1	
Cohasset	9,930	1	
Duxbury	70,000	1,2,3,4,5,6,7,9	Modified Bulk Delivery (see General Specification 15)
East Bridgewater	9,500	1,2	
Halifax	12,000	1,2	
Hanson	28,000	1	bulk
Plymouth	113,104	1,2,3,4,5,6,7,8,9,10,11	
Tisbury	5,600	1	
Tisbury	4,700	2	
Tisbury	6,300	3	
Weymouth	60,000	1,2	
<b>29. Chemical: Sodium Hydroxide (50%)</b>		<b>AWWA B501-latest edition (bulk)</b>	
<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Edgartown	10,000	2,3	bulk
Hopkinton	2,000	2	bulk

**30. Chemical: Sodium Hypochlorite (15%) AWWA B300-latest edition (bulk, drums, pails)**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Abington/Rockland	700	4	55 gal drums, Straight Truck with Operable Lift Gate
Avon	3,000	1,2	Bulk
Braintree	500	1	15 gal drums
Duxbury	3,000	5	Bulk
East Bridgewater	6,000	1,2	Bulk
Halifax	4,000	1,2	
Hanson	3,240	1	15 gal drums
Hopkinton	3,000	1	15 gal drums
Kingston Water	4,500	2,3	55 gal drums, Straight Truck with Operable Lift Gate and Pallet Jack
Norwell	3,600	2,3	55 gal drums, Straight Truck with Operable Lift Gate
Pembroke	8,000	1	Bulk
Pembroke	2,000	2	15 gal drums
Plymouth	16,065	1,2,3,4,5,6,7,8,9,10,11	Modified Bulk Delivery (see General Specification 15)
Scituate Water	2,400	2	15 gal drums
Scituate Water	3,000	5	Liquid
Scituate Water	2,750	4	35 dal drums
Weymouth	1,000	2	15 gal drums

**31. Chemical: Sodium Permanganate AWWA B603-latest edition (liquid, 20% solution strength)**

<u>Community</u>	<u>gal/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Cohasset	1,900	1	300 gallon totes

**32. Chemical: Zinc Metaphosphate (6.7% Zn, 67% phosphate as PO4, equivalent to SHAN-NO-CORR), (50 lb pails)**

<u>Community</u>	<u>lb/yr</u>	<u>Delivery Address</u>	<u>Additional Requirements</u>
Randolph/Holbrook	20,000	1	50 lb pails

	<u>Delivery Address</u>	<u>Delivery Requirements</u>
<b>Abington/Rockland</b>		
1. Hingham Street WTP	835 Hingham Street, Rockland	No deliveries after 1 p.m.
2. Great Sandy Bottom WTP	53 Phillips Road, Pembroke	
3. Myers Avenue WTP	200 Myers Avenue, Abington	No deliveries after 1 p.m.
4. Lincoln St. Booster Station	295 Lincoln Street, Abington	No deliveries after 1 p.m.
<b>Avon</b>		
1. Guilbault Memorial Filter Plant	140 Memorial Drive	
2. Porter Treatment Plant	1 Avon Place	
3. Memorial CCF	140 Memorial Drive	
4. Argyle CCF	15 Argyle Avenue	
<b>Braintree</b>		
1. Great Pond WTP	300 King Hill Road, Braintree	
<b>Cohasset</b>		
1. Lily Pond Treatment Plant	339 King Street, Cohasset	
<b>Dedham/Westwood</b>		
1. Whitelodge WTP	154 University Ave, Westwood	
2. Bridge St. WTP	538 Bridge St., Dedham	
<b>Duxbury</b>		
1. Mill Brook Pump Station	1310 Tremont Street	
2. Partridge Road Pump Station	106 Partridge Road	
3. Lake Shore Drive Pump Station	360 Lake Shore Drive	
4. Tremont Pump Stations	19 Hounds Ditch Lane	
5. Evergreen Pump Stations	175 Evergreen Street	
6. Mayflower Pump Stations	590 Mayflower Street	
7. Depot Street Pump Station	261 Depot Street	
8. Wastewater Plant	130 St George Street	
9. Damons Pump Station	250 Church Street	
<b>East Bridgewater</b>		
1. East Street WTP	54 Leo Way	
2. Crescent Street WTP	795 Crescent Street	
<b>Edgartown</b>		
1. Wintucket Well	58 Kavanagh Way	Deliveries report to the Steamship Authority terminal in Woods Hole. Once on Martha's Vineyard, drivers are escorted to the facility sites.
2. Quenonica Well	58 Kavanagh Way	
3. Nunnepog Well	22nd Street South	
4. Lily Pond Well	Edgartown Vineyard Haven Road	
<b>Halifax</b>		
1. Richmond Park	172 Plymouth Street	
2. Y-Camp	206 Lingan Street	
<b>Hanson</b>		
1. Crystal Spring Well Field	1630 Main Street	
<b>Hopkinton</b>		
1. Well 6 - Fruit St. Wells	66 Fruit Street	
2. Wells 7 & 8 - Alprilla Farm Wells	Off Alprilla Farm Road	
<b>Kingston</b>		
1. South Street Treatment	103 South Street	No deliveries after 2 p.m.
2. Grassy Hole Treatment Plant	88 Kingston Collection Way	No deliveries after 2 p.m.
3. Trackle Pond Water Treatment	143 Bishops Highway	No deliveries after 2 p.m.
<b>Kingston Sewer</b>		
1. Wastewater Plant	8 Cranberry Road	Deliveries: Mon-Fri, 7 a.m. - 2 p.m.
<b>Norwell</b>		
1. South Street WTP	365 South Street	
2. Grove Street Station Well Field	133 Grove Street	
3. Washington Street Station Well Field	286 Washington Street	
<b>Pembroke</b>		
1 Station 4	35 Sandy Lane	
2 Station 2	570 Center Street	
3 Station 3	390 School Street	
<b>Plymouth</b>		
1. Darby Pond Well	119 Graffam Road	
2. North Plymouth Well	80 Industrial Park Road	
3. Federal Furnace Well	454 Federal Furnace Road	
4. South Ponds Wells #1 & #2	116 Rocky Pond Road	
5. Lout Pond Wells	262 Billington Street	
6. Forges Field Well	83 Forges Field Road	
7. Bradford Well	17R Natalie Way	
8. Wannos Pond Well	20 Acacia Road	
9. Ship Pond Well	137 Ship Pond Road	
10. Ellisville Well	1649 State Road	
11. John Holmes Well	61R Quail Run	
<b>Randolph/Holbrook</b>		
1. Randolph/Holbrook Joint Water Board	265 Pond Street, Randolph	
<b>Scituate Water</b>		
1. Old Oaken Bucket Water Treatment Plant	4 Old Oaken Basket Road	No deliveries accepted after 1 p.m.
2. Wells 10+11	87 Cornet Stetson Drive	No deliveries accepted after 1 p.m.
3. Well 18B	250 Driftway	No deliveries accepted after 1 p.m.
4. Well 19+22R	381 Chief Justice Cushing Highway	No deliveries accepted after 1 p.m.
5. Well 17A	98 Tack Factory Pond Road	No deliveries accepted after 1 p.m.
<b>Scituate Sewer</b>		
1. Wastewater Treatment Plant	161 Driftway, Scituate	
<b>Tisbury</b>		
1. Tashmoo Well	West Spring Street, Vineyard Haven	Deliveries report to the Steamship Authority terminal in Woods Hole. Once on Martha's Vineyard, drivers are escorted to the facility sites.
2. Manter Well	William Norton Road	
3. Sanborn Well	Sanborn Way, Vineyard Haven	
<b>Weymouth</b>		
1. Great Pond WTP	239 Pond Street	No deliveries accepted after 2 p.m.
2. Arthur J. Bilodeau WTP	95 Winter Street	No deliveries accepted after 2 p.m.



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NAME OF BIDDER

Bids must be submitted on the following table. Bids submitted on any other form will not be considered valid. Please return this form and the attached forms to:

Town of Hopkinton  
Town Hall, 2<sup>nd</sup> Floor  
18 Main Street  
Hopkinton, MA 01748

**Bids must be received by 11:00 a.m., May 9, 2024.** Postmarks will not be considered. Any bidder may modify his bid by telegraphic communication at any time prior to the scheduled closing time for receipt of bids, provided that such telegraphic communication is received by the Host prior to the closing time, and provided further that the Host is satisfied that a written confirmation of the telegraphic modification over the signature of the Bidder was mailed prior to the closing time. The telegraphic communication should not reveal the bid price, but should provide the addition or subtraction, or other modification, so that the final prices or terms will not be known by the Host until the sealed bid is opened. If written confirmation is not received within three (3) days from the closing time, no consideration will be given to the telegraphic modification.

All bids will be publicly opened and read aloud at the above address, date and time. Prices are to include any and all delivery charges to the addresses listed on page 15, Section J of the Invitation for Bid, unless otherwise specified. Prices associated with the communities of Edgartown and Tisbury are FOB Woods Hole Steamship Authority, Falmouth, MA. All offers are subject to the requirements of Invitation for Bid #FY2025.

In compliance with the above, the undersigned offers and agrees, if this offer is accepted within forty five (45) business days from date of receipt of offers specified above, to perform the herein described work within the time period provided under "Contract Period" for the prices offered opposite each item and that said prices will be good for the period of one year (**July 1, 2024 through June 30, 2025**). Contracts may be extended for up to sixty (60) calendar days at the request of any participating community utility.

The undersigned bidder hereby certifies, under the pains and penalties of perjury, the following:

This bid in all respects is bonafide, fair, and made without collusion or fraud with any other person. As used in this paragraph, the word PERSON shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.

The Contracting Party has complied with all laws of the Commonwealth relating to taxes (Massachusetts General laws 62C, Section 49A, Paragraph (b)).

THE UNDERSIGNED ACKNOWLEDGES RECEIPT OF ADDENDA # \_\_\_\_\_ through # \_\_\_\_\_ \*

\*To be filled in by bidder if addenda are issued.

Please note any exceptions on separate Contractor letterhead.

**UNIT PRICE FOR WATER TREATMENT CHEMICALS      BIDDER \_\_\_\_\_**

1. Aluminum Sulfate, liquid 50%, AWWA B403-latest edition, (bulk):	_____ \$/gallon
2. Copper Sulfate, dry, AWWA B602-latest edition, (55 lb bags):	_____ \$/gallon
3. Ferric Chloride, liquid 40%, AWWA B407-latest edition, (50 gal drums):	_____ \$/gallon
4. Granular Activated Carbon, Filtrasorb FS400, AWWA B604-latest edition (20,000 lb deliveries)	_____ \$/lb
5a. Hydrated Lime, AWWA B202-latest edition (bulk):	_____ \$/lb
5b. Hydrated Lime, AWWA B202-latest edition (50 lb bags):	_____ \$/lb
6a. Hydrofluorosilicic Acid (25%), AWWA B703-latest edition (bulk ≤ 1,000 gallon deliveries):	_____ \$/gallon
6b. Hydrofluorosilicic Acid (25%), AWWA B703-latest edition (bulk > 1,000 gallon deliveries):	_____ \$/gallon
7a. Liquid Chlorine, AWWA B301-latest edition (150 lb Cylinders):	_____ \$/lb
7b. Liquid Chlorine, AWWA B301-latest edition (1 ton Cylinders):	_____ \$/lb
8. Liquid Oxygen, AWWA B304-latest edition (Bulk):	_____ \$/gallon
9. Magnesium Oxide:	_____ \$/lb
10a. Methanol, Commercial Grade: Grade Code ME09 (55 gal drums):	_____ \$/gallon
10b. Methanol, Equivalent to Methenex, 99.85% purity (bulk) <sup>1</sup> :	_____ \$/gallon
11. Ortho/Poly Blended Phosphate (80% ortho/20% poly, minimum 33% phosphate), (bulk):	_____ \$/gallon
12a. Ortho/Poly Blended Phosphate (70% ortho/30% poly, minimum 33% phosphate), (55 gal drums):	_____ \$/gallon
12b. Ortho/Poly Blended Phosphate (70% ortho/30% poly, minimum 33% phosphate), (bulk):	_____ \$/gallon
13. Ortho/Poly Blended Phosphate (40% ortho/60% poly, minimum 33% phosphate), (55 gal drums):	_____ \$/gallon
14. Phosphoric Acid (75%), Technical Grade (bulk):	_____ \$/gallon
15. Polyaluminum Chloride, AWWA B408- latest version (high basicity: 65-85), (bulk):	_____ \$/gallon
16a. Polymer – Cationic, PolyDADMAC, High molecular weight (Equivalent to Superfloc C-591):	_____ \$/gallon
16b. Polymer – Cationic, PolyDADMAC, High molecular weight (Equivalent to Clarifloc 6286):	_____ \$/gallon
17. Polymer – Cationic, Dry Polymer (Equivalent to ACP-335), (50 lb bags):	_____ \$/lb
18. Polymer – Nonionic, Polyacrylamide, High molecular weight (Equivalent to Clarifloc N-6310):	_____ \$/gallon
19a. Potassium Hydroxide (45%), AWWA B511 – latest edition (bulk ≤ 3,000-gallon deliveries):	_____ \$/gallon
19b. Potassium Hydroxide (45%), AWWA B511 – latest edition (bulk > 3,000 gallon deliveries):	_____ \$/gallon
20. Potassium Permanganate, AWWA B603 – latest edition (free flowing), (5-gallon pails):	_____ \$/lb
21. Powdered Activated Carbon, AWWA B600-latest edition (bulk):	_____ \$/lb
22. Sodium Bicarbonate; Granular, Alkalinity First™ or equal (bulk):	_____ \$/ton

23. Sodium Bisulfite:	_____ \$/ gallon
24a. Sodium Carbonate, AWWA B201 – latest edition (50 lb bags):	_____ \$/lb
24b. Sodium Carbonate, AWWA B201 – latest edition (bulk):	_____ \$/lb
25. Sodium Chlorite (25%), AWWA B303 – latest edition (275-gallon totes):	_____ \$/gallon
26. Sodium Fluoride, AWWA B701 – latest edition: (50 lb bags):	_____ \$/lb
27. Sodium Hexametaphosphate, AWWA B502 – latest edition (50 lb bags):	_____ \$/lb
28a. Sodium Hydroxide (liquid, 25%), AWWA B501 – latest edition (bulk ≤ 3,000-gallon deliveries):	_____ \$/gallon
28b. Sodium Hydroxide (liquid, 25%), AWWA B501 – latest edition (bulk > 3,000-gallon deliveries):	_____ \$/gallon
29a. Sodium Hydroxide (liquid, 50%), AWWA B501 – latest edition (bulk ≤ 1,000-gallon deliveries):	_____ \$/gallon
29b. Sodium Hydroxide (liquid, 50%), AWWA B501 – latest edition (bulk > 1,000-gallon deliveries):	_____ \$/gallon
30a. Sodium Hypochlorite (15%), AWWA B300 – latest edition (bulk):	_____ \$/gallon
30b. Sodium Hypochlorite (15%), AWWA B300 – latest edition (55 gal drums):	_____ \$/gallon
30c. Sodium Hypochlorite (15%), AWWA B300 – latest edition (15 gal pails):	_____ \$/gallon
31. Sodium Permanganate, AWWA B603 – latest edition (solution), (300-gallon totes)	_____ \$/ gallon
32. Zinc Metaphosphate (6.7% Zn, 67% phosphate as PO <sub>4</sub> , equivalent to SHAN-NO-CORR) (50 lb pails)	_____ \$/lb

1. The bid price, and Contract price for item 10b shall be based upon a quoted mark-up above **Methenex Non-discounted Reference Price for North America** for the month of delivery.

BIDDER \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 Date Offered

\_\_\_\_\_  
 AUTHORIZED SIGNATURE  
 \_\_\_\_\_  
 Printed Name and Title

STATE OF INCORPORATION \_\_\_\_\_

TAX I.D. # \_\_\_\_\_

PHONE \_\_\_\_\_

FAX \_\_\_\_\_

E-MAIL \_\_\_\_\_

That it is \_\_\_\_\_, the party making the foregoing proposal or bid, that such proposal or bid has been made and submitted in good faith and is genuine and not collusive or a sham; that said bidder has not colluded, conspired, connived or agreed directly or indirectly, with any bidder or person, to put in a sham bid or to refrain from bidding, and has not in any manner, directly or indirectly sought by agreement or collusion, or communication or conference, with any person, to fix the bid price of its bid or any other bidder, or to fix any overhead, profit or cost element of said bid price, or of that of any other bidder, or to secure any advantage against any community utility participating in this bid, or any person interested in the proposed work, and that all statements in said proposal or bid are true.

BIDDER \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
AUTHORIZED SIGNATURE

\_\_\_\_\_  
Printed Name and Title

**REFERENCES OF BIDDER**

By signing this page, the bidder certifies that he/she has a minimum of three years of experience in performing services similar in nature to this bid.

Please also provide the names of at least three municipal/governmental clients (cities, towns, districts, utilities) for which the bidder has provided this type of work within the last three years, including names and telephone numbers of contact persons.

REFERENCES:

_____ Client	_____ Contact Person	_____ Telephone #
_____ Client	_____ Contact Person	_____ Telephone #
_____ Client	_____ Contact Person	_____ Telephone #
_____ Client	_____ Contact Person	_____ Telephone #
_____ Client	_____ Contact Person	_____ Telephone #

Signed:

\_\_\_\_\_  
Name of Person Authorized to Sign for the Bidder

\_\_\_\_\_  
Title

\_\_\_\_\_  
Date

AFFIRMATIVE ACTION SURVEY

Government agencies require periodic reports on the gender and ethnicity of vendors and/or contractors. Please complete information as it pertains to the principal of the company/corporation.

CHECK ONE:         MALE  
                          FEMALE  
                          SOMBA CERTIFIED

ENTER THE CODE NUMBER (see below) WHICH APPLIES: \_\_\_\_\_

1. **White**-origins in any of the original people in Europe, North Africa, or the Middle East
2. **Black**-origins in any of the Black racial groups of Africa
3. **Hispanic**-Spanish origins in Mexican, Puerto Rico, Cuba, Central or South America
4. **Asian/Pacific Islander**-origins in any of the original people of the Far East, Southeast Asia, Indian Subcontinent, or the Pacific Island
5. **Native American**-origins in any of the original peoples of North American who maintain cultural identification through tribal affiliations or community recognition
6. **Cape Verdean**-origins in the Cape Verde Islands

CHECK IF ANY OF THE FOLLOWING ARE APPLICABLE:

VIETNAM ERA VETERAN  
 DISABLED VETERAN  
 DISABLED INDIVIDUAL

**DELEGATION OF AUTHORITY**

At a meeting of the Board of Directors of the \_\_\_\_\_  
(Name of Corporation)  
duly called and held on \_\_\_\_\_ at which a quorum was present, and acting throughout,  
(Date)  
the following vote was duly adopted: VOTED: That \_\_\_\_\_  
(Name of Individual)

the \_\_\_\_\_ of the Corporation, hereby is authorized to affix the Corporate Seal,  
(Title)  
sign and deliver in the name and on behalf of the Corporation, bids, proposals, contracts, bills of sale,  
conditional sale agreements, chattel mortgages, leases, bonds, applications, affidavits, certificates, and any  
other similar documents required in connection with the sale of the Corporation's products to any purchaser,  
including assignments and satisfactions of any such documents.

Any and all applications, affidavits, statements, certificates, and similar documents required by law in  
connection with the licensing of the Corporation or its representatives for the sale, distribution, and servicing  
of its commercial products.

The authority is hereby delegated and shall be exercised by the aforesaid person in connection with the duties  
as

\_\_\_\_\_ of \_\_\_\_\_  
(Title) (Name of Corporation)

and not otherwise.

ATTEST: \_\_\_\_\_ DATE: \_\_\_\_\_

**NOTE: This form must be completed if the bidder is a corporation.**