

THE MATTABASSETT DISTRICT
NEW BRITAIN - BERLIN - CROMWELL - MIDDLETOWN
REGIONAL SEWER AUTHORITY

ARTHUR G. SIMONIAN, P.E., LEED
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February 23, 2017

CHEMICALS
INVITATION TO BID
Bid Contract 2018 - 5

Sealed Bids will be received at the office of the Executive Director of The Mattabasset District Water Pollution Control Facility, Cromwell, Connecticut, until **1 p.m. on March 24, 2017**, for the purchase of the following items for the period **July 1, 2017 to June 30, 2018 and July 1, 2018 to June 30, 2019**.

Sodium Hypochlorite
Sodium Hydroxide
Aluminum Sulfate
Ammonium Hydroxide
Supplemental Carbon

The bidding forms and specifications are available at the office of the Executive Director of The Mattabasset District, 245 Main Street, Cromwell, Connecticut.

Each proposal must be accompanied by a bid bond or certified check in the amount of 5% of the net bid on each item, made payable to The Mattabasset District as a condition that if the bid is accepted a contract will be entered into.

Mattabasset District reserves the right to reject any and all bids, or any part thereof or waive defects in same, or accept any proposal deemed to be in the best interest of the Mattabasset District. Proposal packages are available at the Administration Office of The Mattabasset District, 245 Main Street, Cromwell, Connecticut.

By order of
THE MATTABASSETT DISTRICT



Arthur G. Simonian, P.E., LEED®
Executive Director

Mattabassett District
Chemicals Invitation to Bid
GENERAL STIPULATIONS
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Bidders are required to submit proposals on the blank Bid Form attached hereto, and any conditions or alterations of said form shall be considered as irregular and grounds for rejection of said proposal. Bidders may submit proposals on any or all items listed on the proposal. Prices bid shall include all costs incidental to the loading and delivery into the District's tanks with all labor, equipment, tools, and accessories thereto to be furnished by the bidder. The delivered price shall include any fuel surcharge for the delivery. Prices bid shall be exclusive of all taxes not applicable to municipalities. The Mattabassett District is exempt from the payment of federal excise taxes and Connecticut sales and use taxes. Mattabassett District: Federal Tax Exempt #06-0842158. Exemption from State sales tax per Conn. Gen. Stat. Chapter 219, § 12-412(1). Photocopies of tax exemption certifications shall be furnished to the bidder upon request. All payment terms shall be net 30 days from approval.

Bids must be signed with the name of the person(s), firm, or company proposing to furnish the materials. The Bidder shall complete and sign the proposal correctly. If the proposal is made by an individual, his name and address must be shown. If by a firm or partnership, the name and address of each member of the firm or partnership must be included. If by a corporation, the proposal must include the name of the State under the laws of which the corporation was chartered and the name and title of the officer(s) having authority under the by-laws to sign contracts.

Each bidder's costs incurred in developing its bids are its sole responsibility, and the Mattabassett District shall have no liability for such costs.

The Mattabassett District (The District) reserves the right to award The District's annual chemical contract to a qualified, responsive Vendor who has demonstrated experience in the type(s) of specific Work required by this Agreement and who: 1) has adequate resources or the ability to obtain such resources as required during performance of the Agreement. 2) has a satisfactory record of performance. 3) is otherwise qualified and eligible to receive an award under applicable laws and regulations. Mattabassett District reserves the right to reject any and all bids, or any part thereof or waive defects in same, or accept any proposal deemed to be in the best interest of the Mattabassett District.

Proposals must be accompanied with a bid bond or certified check made payable to The Mattabassett District for 5% of the net bid on each item. Failure to furnish a bid bond/certified check shall be reason for rejection of the bid. If the proposal is not accepted, the bid bond or certified check will be returned to the bidder. If the proposal is accepted, the certified check or bid bond will be held until the contract is signed and a performance bond in the amount of 100% of the bid is received. The successful bidder shall sign the contract within fourteen (14) days after notice has been given. Failure to comply with this provision shall be grounds for forfeiture of the bid bond or certified check as liquidated damages by The Mattabassett District.

The quantities listed on the proposal sheet are approximate and are to be used only as a basis for comparison of bids: no guarantee is given, express or implied, as to actual quantities to be

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ordered. The successful bidder shall furnish and deliver the material as ordered by The Mattabassett District for the unit price bid whether the quantity actually purchased is more or less than the quantity listed on the proposal. A Certificate of Analysis must accompany each shipment of Sodium Hypochlorite, Sodium Hydroxide, Aluminum Sulfate, Ammonium Hydroxide, Methanol, Glycerin Based Supplemental Carbon, and Sodium Permanganate.

Bidders must acquaint themselves with the unloading facilities available at The District so there will be no misunderstanding in the event difficulties arise in unloading of material purchased. The Bidder shall provide whatever fittings, hoses, or adapters he needs so as to properly and safely transfer the product from his truck to The District's storage tank(s). Deliveries shall be made at such time and in such quantities as ordered in accordance with the instructions listed on the purchase order. Each delivery shall be accompanied by a delivery ticket. The ticket shall show the total number of gallons/pounds delivered. All such delivery tickets shall be completed to the District's satisfaction.

Whenever days are referred to in the specifications, they are calendar days.

Bidders shall provide three copies of current Safety Data Sheets and one chemical analysis sheet (Certificate of Analysis) to document that the parameters specified for each chemical will be met.

The Contractor and all subcontractors shall purchase and maintain such insurance as will protect him from claims under:

- Workers' Compensation Laws
- Disability Benefit Laws or other similar employee benefit laws
- Personal Injury Liability
- Property Damage Liability

This insurance shall include the specific coverage and be written for not less than \$1,000,000 per incident or any limits required by law, whichever is greater, and shall include contractual liability insurance. Before starting the work, the Contractor shall file, with The District, certificates of such insurance acceptable to The District. This insurance shall remain in effect for the life of this contract.

All insurances provided by the Contractor and all subcontractors under the requirements of this Contract, shall be issued by insurance companies licensed to write such insurance in the State of Connecticut. Said issuing insurance companies shall have an AM Best Rating of A- or better.

The Contractor acknowledges and accepts as a condition of this Contract that the Contractor shall waive governmental immunity as a defense and shall not use the defense of governmental immunity in the adjustment of claims or in the defense of any suit, action, or claim brought against The District.

The Contractor and subcontractors are required to make good faith efforts to comply with all Federal and State laws and policies which speak to equal employment opportunity. It has always

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been the policy and will continue to be the strong commitment of The Mattabassett District, and all contractors and subcontractors who do business with The Mattabassett District, to provide equal opportunity in employment to all qualified persons solely on the basis of job-related skills, ability, and merit. The Mattabassett District will continue to take affirmative action to ensure that applicants are employed and that employees are treated during employment without regard to their race, color, religion, sex, national origin, ancestry, age, physical disability, or marital status.

Questions regarding the Purchasing process may be directed to Melissa Lancia, Office Supervisor, (860) 635-5550. Questions regarding technical specifications may be directed to Brian Warman, Operations Manager, (860) 635-5550.

SPECIFICATIONS
Bid Contract 2018 - 5

ITEM # 1 - SODIUM HYPOCHLORITE

Sodium Hypochlorite shall be a liquid, sewage treatment grade chemical 12.5% available chlorine by weight. The Aluminum, Arsenic, Cobalt, Copper, Lead, Manganese, Nickel, and Zinc content shall each be less than 1 mg/l. The Iron content shall be less than 4 mg/l. We would like the bidder to provide pricing for Mercury content less than or equal to: 0.10 mg/l, and 0.01 mg/l. Deliveries shall be made to the plant unloading site by bulk tank truck in quantities between 3,000 and 5,000 gallons which may include dual stops. Approximately **200,000** gallons of Sodium Hypochlorite may be purchased. Payment will be based on the weight of each shipment.

Payment = price per wet pound x lbs./shipment

The minimal acceptable lead-time between ordering and delivery is 5 days.

A Certificate of Analysis shall accompany each delivery clearly showing % available chlorine, specific gravity and mercury concentration.

ITEM # 2 - SODIUM HYDROXIDE

Sodium Hydroxide shall be a liquid, drinking water treatment grade chemical 25% NaOH by weight. The Iron content shall be less than 2 mg/l. We would like the bidder to provide pricing for Mercury content less than or equal to: 0.10 mg/l, and 0.01 mg/l. Deliveries shall be made to the plant unloading site by bulk tank truck in quantities between 3,000 and 4,500 gallons. Approximately **200,000** gallons of Sodium Hydroxide may be purchased. Payment will be based on the weight of each shipment.

Payment = price per wet pound x lbs/shipment

The minimal acceptable lead-time between ordering and delivery is 7 days.

A Certificate of Analysis shall accompany each delivery clearly showing % NaOH, specific gravity, and mercury concentration.

ITEM # 3 – ALUMINUM SULFATE

Aluminum Sulfate shall be a liquid, drinking water grade chemical, 48.5% Liquid Aluminum Sulfate, and shall conform to AWWA standard B403 (latest edition) and NSF standard 60.

The product must be manufactured using un-refined bauxite ore and fulfuric acid and contain a minimum 8.3% alumina. The pH of the liquid product shall be 2.1-2.5 and will not contain any free acid. Hydrate-based material will not be accepted.

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The product shall be free of visible matter and/or sediment. Deliveries shall be made to the plant unloading site by bulk tank truck in quantities between 2,000 and 4,000 gallons. Approximately **5,000** gallons of Aluminum Sulfate may be purchased.

Payment = price per gallon

The minimal acceptable lead-time between ordering and delivery is 5 days.

A Certificate of Analysis shall accompany each delivery clearly showing % available aluminum, specific gravity, mercury concentration and pH.

ITEM # 4 – AMMONIUM HYDROXIDE

Ammonium Hydroxide shall be a liquid, drinking water treatment grade chemical 19% NH₃ by weight. The Iron content shall be less than 2 mg/l. Deliveries shall be made to the plant unloading site by bulk tank truck in quantities between 3,500 and 4,500 gallons. Approximately **10,000** gallons of Ammonium Hydroxide may be purchased. Payment will be based on the weight of each shipment.

Payment = price per wet pound x lbs./shipment

The minimal acceptable lead-time between ordering and delivery is 7 days.

A Certificate of Analysis shall accompany each delivery clearly showing % NH₃, specific gravity, and mercury concentration.

ITEM # 5 – SUPPLEMENTAL CARBON

This Invitation to Bid for Supplemental Carbon consists of a two-part process:

1. An initial bid for 3,500 gallons for the period of **July 2017 to June 2018 and July 2018 to June 2019**; and,
2. Identification, prequalification, of at least two vendors for the District to subsequently request on a monthly basis thereafter monthly quotes to supply and deliver up to **3,500** gallons of "Supplemental Carbon" to the District over the twelve (12) month period.

Each monthly contract will be in the form of a purchase order to the qualified vendor offering the lowest delivered price for Supplemental Carbon for that month.

Based on the initial bids received for this Invitation, the District will select a qualified vendor and award it a PO for the first month. After the initial or first month, the District will select and enter into a separate monthly PO with the qualified vendor offering the lowest delivered price for Supplemental Carbon for that month.

Initial bids for **July 2017 and July 2018**, must be held firm and cannot be withdrawn for thirty (30) business days after the opening date. Subsequent monthly quotes must be held firm and cannot be withdrawn for ten (10) business days after submission.

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The District reserves the right to terminate the monthly PO process described above, if the District determines such action is in its best interests.

5. Glycerin Based Supplemental Carbon shall be a liquid, sewage treatment grade chemical with a minimum 70% purity Glycerin by weight.

Glycerin based supplemental carbon products shall be manufactured to meet the most stringent product specifications. All glycerin based supplemental carbon sources shall adhere to the following specifications:

Parameter	Specification for Supplemental Carbon	Methodology
Glycerin Content % wt/wt	68-72%	AOCS Ea 6-94
Methanol Content % wt/wt	0.1%, max	EN 14110
Fatty Acid Content % wt/wt	1.0%, max	ASTM D5555-95
Ash Content % wt/wt	10.0%, max	AOCS Ca 11-55
Specific Gravity @20C	1.215-1.235	ASTM D891-09
pH (SU)	4.0-7.0	USEPA SW-846 9095D
Viscosity cPs @ 20C	<50 cPs	ASTM D2196-10
Viscosity cPs @ 10C	<100 cPs	ASTM D2196-10
Viscosity cPs @ 0C	<150 cPs	ASTM D2196-10
Debris/Trash/Particle Size	15 micron, max	ASTM E11-09e1
Flash Point	None	ASTM D93-12
COD Value (mg/L)	Minimum 1,000,000	HACH 8000 or ASTM D1252

Crude glycerin will not be approved under any circumstances for use as a supplemental carbon source.

Deliveries shall be made to the plant unloading site by bulk tank truck in quantities of approximately 4,000-5,000 gallons. Approximately 10,000 gallons of Glycerin Based Supplemental Carbon may be purchased.

Payment = price per gallon

The minimal acceptable lead-time between ordering and delivery is 7 days.

A Certificate of Analysis showing % available Glycerin, point of origin, batch date, specific gravity, pH, fatty acid content, methanol content, COD value, color and odor check, and mercury concentration shall accompany each delivery.

PROPOSAL
2017-2018

**Sodium Hypochlorite, Sodium Hydroxide, Polyaluminum Chloride,
Ammonium Hydroxide, Supplemental Carbon**

The undersigned hereby proposes to furnish The Mattabassett District located at 245 Main Street, Cromwell, Connecticut the quantities of bulk products listed below for the period **July 1, 2017 to June 30, 2018**. The products supplied shall meet the stated Specifications. Failure to meet the Specifications is grounds for termination of the contract. The Mattabassett District reserves the right to terminate this contract upon 30 days written notice in the event alternate chemicals are found which provide more efficient or cost effective treatment. The bidder must fill in all blanks for the Item(s) he proposes to supply.

<u>Item</u>	<u>Estimated Quantity</u>	<u>Unit Price *</u>
1. Sodium Hypochlorite	200,000 Gallons	
Mercury content \leq to 0.10 mg/l.		_____ per wet lb. Delivered
Mercury content \leq to 0.01 mg/l.		_____ per wet lb. Delivered
2. Sodium Hydroxide, 25%	200,000 Gallons	
Mercury content \leq to 0.10 mg/l.		_____ per wet lb. Delivered
Mercury content \leq to 0.01 mg/l.		_____ per wet lb. Delivered
3. Aluminum Sulfate	5,000 Gallons	_____ per gallon Delivered
4. Ammonium Hydroxide	10,000 Gallons	_____ per wet lb. Delivered
5. Glycerin Based Supplemental Carbon	3,500 Gallons	_____ per gallon Delivered

Name of Bidder _____

Business Address _____

Business Telephone _____

Business Fax _____

By _____

Print Name _____

Title _____

***UNIT PRICE SHALL INCLUDE ALL CHARGES TO FURNISH & DELIVER PRODUCT
QUANTITIES SHOWN ABOVE ARE ESTIMATES AND MATTABASSETT RESERVES THE
RIGHT TO INCREASE OR DECREASE THESE QUANTITIES WITH ANY CHANGE IN UNIT
PRICE.**

PROPOSAL
2018-2019

Sodium Hypochlorite, Sodium Hydroxide, Polyaluminum Chloride,
Ammonium Hydroxide, Supplemental Carbon

The undersigned hereby proposes to furnish The Mattabassett District located at 245 Main Street, Cromwell, Connecticut the quantities of bulk products listed below for the period **July 1, 2018 to June 30, 2019**. The products supplied shall meet the stated Specifications. Failure to meet the Specifications is grounds for termination of the contract. The Mattabassett District reserves the right to terminate this contract upon 30 days written notice in the event alternate chemicals are found which provide more efficient or cost effective treatment. The bidder must fill in all blanks for the Item(s) he proposes to supply.

<u>Item</u>	<u>Estimated Quantity</u>	<u>Unit Price *</u>
1. Sodium Hypochlorite	200,000 Gallons	
Mercury content \leq to 0.10 mg/l.		_____ per wet lb. Delivered
Mercury content \leq to 0.01 mg/l.		_____ per wet lb. Delivered
2. Sodium Hydroxide, 25%	200,000 Gallons	
Mercury content \leq to 0.10 mg/l.		_____ per wet lb. Delivered
Mercury content \leq to 0.01 mg/l.		_____ per wet lb. Delivered
3. Aluminum Sulfate	5,000 Gallons	_____ per gallon Delivered
4. Ammonium Hydroxide	10,000 Gallons	_____ per wet lb. Delivered
5. Glycerin Based Supplemental Carbon	3,500 Gallons	_____ per gallon Delivered

Name of Bidder _____

Business Address _____

Business Telephone _____

Business Fax _____

By _____

Print Name _____

Title _____

***UNIT PRICE SHALL INCLUDE ALL CHARGES TO FURNISH & DELIVER PRODUCT
QUANTITIES SHOWN ABOVE ARE ESTIMATES AND MATTABASSETT RESERVES THE
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