

Patricia A. Peshka
Purchasing Agent



Joseph J. Solomon
Mayor

City of Warwick
Purchasing Division
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Warwick, Rhode Island 02886
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The following notice is to appear on the City of Warwick's website Friday, March 22, 2019. The website address is <http://www.warwickri.gov/bids>.

**CITY OF WARWICK
BIDS REQUESTED FOR**

Bid2020-023 Wastewater Treatment Chemicals

Specifications are available in the Purchasing Division, Warwick City Hall, Monday through Friday, 8:30 AM until 4:30 PM on or after Friday, March 22, 2019.

Sealed bids will be received by the Purchasing Division, Warwick City Hall, 3275 Post Road, Warwick, Rhode Island 02886 up until 11:00 AM, Friday, April 19, 2019. The bids will be opened publicly commencing at 11:00 AM on the same day in the Lower Level Conference Room, Warwick City Hall.

Awards will be made on the basis of the lowest evaluated or responsive bid price. Please note that no bids can be accepted via email or fax.

The City of Warwick, in addition to soliciting bids in response to this bid, may consult, consider, and make an award for any and all open bid offers for a comparable unit as sought herein at the following websites:

RI State MPA: <http://www.purchasing.ri.gov/MPA/MPASearch.aspx>

NASPO: <https://www.naspo.org/>

NJPA (National Joint Powers Alliance): <https://www.njpacoop.org/cooperative-purchasing>

MHEC (Massachusetts Higher Education Consortium): <https://www.mhec.net/>

Individuals requesting interpreter services for the hearing impaired must notify the Purchasing Division at 401-738-2013 at least 48 hours in advance of the bid opening date.

Patricia A. Peshka
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PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

Acknowledgement of Addendum (if applicable)

Addendum Number	Signature of Bidder
_____	_____
_____	_____

COMPANY NAME: _____

COMPANY ADDRESS: _____

COMPANY ADDRESS: _____

BIDDER'S SIGNATURE: _____

BIDDER'S NAME (PRINT): _____

TITLE: _____ TEL. NO.: _____

EMAIL ADDRESS: _____ *

*Please include your email address. Future bids will be emailed, unless otherwise noted.

II. AWARD AND CONTRACT:

The CITY OF WARWICK, acting as duly authorized through its Purchasing Agent/Finance Director/Mayor, accepts the above bid and hereby enters into a contract with the above party to pay the bid price upon completion of the project or receipt of the goods unless another payment schedule is contained in the specifications. All terms of the specifications, both substantive and procedural, are made terms of this contract.

DATE: _____
Bid2020-023 Purchasing Agent

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

CERTIFICATION & WARRANT FORM*

**This form must be completed and submitted with sealed bid.
Failure to do so will result in automatic rejection.**

Any and all bids shall contain a certification and warrant that they comply with all relevant and pertinent statues, laws, ordinances and regulations, in particular, but not limited to Chapter 16- Conflicts of Interest, of the Code of Ordinances of the City of Warwick. Any proven violation of this warranty and representation by a bidder at the time of the bid or during the course of the contract, included, but not limited to negligent acts, either directly or indirectly through agents and/or sub-contractors, shall render the bidder's contract terminated and the bidder shall be required to reimburse the City for any and all costs incurred by the City, including reasonable attorney fees, to prosecute and/or enforce this provision.

Signature

Date

Company Name

Address

Address

***This form cannot be altered in any way**

**CITY OF WARWICK
NOTICE TO BIDDERS**

Bid2020-023 Wastewater Treatment Chemicals

If you received this document from our homepage or from a source other than the City of Warwick Purchasing Division, please check with our office prior to submitting your bid to ensure that you have a complete package. The Purchasing Division cannot be responsible to provide addenda if we do not have you on record as a plan holder.

Bids received prior to the time of the opening will be securely kept, unopened. No responsibility will be attached to an officer or person for the premature opening of a bid not properly addressed and identified. No bids will be accepted via facsimile or email.

The opening of bids will be in the order established by the posted agenda and the agenda will continue uninterrupted until completion.

Once an item has been reached and any bids on that item has been opened, no other bids on that item will be accepted and any such bid will be deemed late.

The contractor will not discriminate against any employee or applicant for employment because of physical or mental handicap for any position for which the employee or applicant is qualified and that in the event of non-compliance the City may declare the contractor in breach and take any necessary legal recourse including termination or cancellation of the contract.

A bidder filing a bid thereby certifies that no officer, agent, or employee of the City has a pecuniary interest in the bid or has participated in contract negotiations on the part of the City, that the bid is made in good faith without fraud, collusion, or connection of any kind with any other bidder for the same call for bids, and that the bidder is competing solely in his own behalf without connection with, or obligation to, any undisclosed person or firm.

All bids should be submitted with one (1) original and one (1) copy in a sealed envelope, which should read: *YOUR COMPANY NAME* plainly marked on the exterior of the envelope as well as "Bid2020-023 Wastewater Treatment Chemicals."

Should you have any questions, please contact Charles Labbe, Warwick Sewer Authority, 125 Arthur Devine Blvd., Warwick, RI at 401-468-4721.

All bids should be written in ink or typed. If there is a correction with whiteout, the bidder must initial the change.

Negligence on the part of the bidder in preparing the bid confers no rights for the withdrawal of the bid after it is open.

Any deviation from the specifications must be noted in writing and attached as part of the bid proposal. The bidder must indicate the item or part with the deviation and indicate how the bid will deviate from specifications.

The IRS Form W-9 available on www.warwickri.gov should be completed and submitted with the bid if the bidder falls under IRS requirements to file this form.

The successful bidder must provide the City of Warwick with an original **Certificate of Insurance** for General Liability and Automobile Liability in a minimum amount of \$2 million. The certificate of insurance must name the City of Warwick as the additional insured and so stated on the certificate with the bid name and bid number. It is the vendor's responsibility to provide the City of Warwick with an updated certificate of insurance upon expiration of the original certificate.

The successful bidder will provide said **Certificate of Insurance** within ten (10) calendar days after notification or the City reserves the right to rescind said award.

Prices to be held firm July 1, 2019 through June 30, 2020. Term contracts may be extended for an additional two (2), one (1) year terms upon mutual agreement unless otherwise stated.

The contractor must carry sufficient liability insurance and agree to indemnify the city against all claims of any nature, which might arise as a result of his operations or conduct of work.

The City is exempt from the payment of the Rhode Island Sales Tax under the 1956 General Laws of the State of Rhode Island, 44-18-30, Paragraph I, as amended.

The Purchasing Agent reserves the right to reject any and all bids, to waive any minor deviations or informalities in the bids received, and to accept the bid deemed most favorable to the interest of the City.

The successful bidder must comply with all Rhode Island Laws applicable the public works projects, including, but not limited to provisions of Chapter 13 of Title 37 of the

Rhode Island General Laws, pertaining to prevailing wage rates, and all other applicable local, state and federal laws.

The City reserves the right to terminate the contract or any part of the contract in the best interests of the City, upon 30-day notice to the contractor. The City will incur no liability for materials or services not yet ordered if it terminates in the best interests of the City. If the City terminates in the interests of the City after an order for materials or services have been placed, the contractor will be entitled to compensation upon submission of invoices and proper proof of claim, in that proportion which its services and products were satisfactorily rendered or provided, as well as expenses necessarily incurred in the performance of work up to time of termination.

No extra charges for delivery, handling or other services will be honored. All claims for damage in transit will be the responsibility of the successful bidder. Deliveries must be made during normal working hours unless otherwise agreed upon.

All costs directly or indirectly related to the preparation of a response to this solicitation, or any presentation or communication to supplement and/or clarify any response to this solicitation which may be required or requested by the City of Warwick will be the sole responsibility of and will be borne by the respondent.

If the respondent is awarded a contract in accordance with this solicitation and the respondents bid or response and if the respondent fails or refuses to satisfy fully all of the respondents obligations thereunder, the City of Warwick will be entitled to recover from the respondent any losses, damages or costs incurred by the City as a result of such failure or refusal.

The City reserves the right to award in part or full and to increase or decrease quantities in the best interest of the City.

Any quantity reference in the bid specifications are estimates only, and do not represent a commitment on the part of the City of Warwick to any level of billing activity. It is understood and agreed that the agreement will cover the actual quantities ordered during the contract period.

The City reserves the right to rescind award for non-compliance to bid specifications.

The successful bidder must adhere to all City, State and Federal Laws, where applicable.

SUPPLEMENT TO BID SPECIFICATIONS

1. The Warwick Sewer Authority plans to purchase Liquid Sodium Bisulfite, Liquid Sodium Hypochlorite, Dry Cationic Polymer, Liquid Aluminum Sulfate, Potassium Permanganate, Anionic Polymer, and Cationic Polymer for Warwick Sewer Authority as indicated in the attached specifications.

Bidder is not to separate the supplement from the bid but must return same as complete. Bid is not to include any taxes, from which the City of Warwick is exempt by State law.

2. **BID:** Sealed bids shall be received by the Purchasing Division on the form attached in a sealed envelope marked "BID #2020-023 WASTEWATER TREATMENT CHEMICALS".
3. **BID QUALIFICATIONS:** Each bidder shall present evidence that they are normally engaged in the purveying of this type of material, supplies or equipment. The bidder should be thoroughly familiar with the contents of the notice before submitting a bid. The bidder automatically acknowledges and accepts all the provisions, conditions and specifications of this notice; no bid shall be considered from bidders who are unable to show that they are normally engaged in purveying of the type of material, supplies or equipment bid on.
4. **DELIVERY:** Material shall be delivered for operation as required by the specifications. If the vendor fails to deliver materials as required in the time indicated, or subsequently agreed to, a credit may be taken in the bid price of 1/10 of 1% per day at the discretion of the Purchasing Agent for the City of Warwick. Off-loading of any chemical shall be prohibited until a Warwick Sewer Authority employee has signed off and accepted said delivery.
5. **ACCEPTANCE OF REJECTION:** The City of Warwick – WSA reserves the right to reject any or all bids, to accept any bid or to waive any informality in the bid as deemed advisable in the best interest of the City.
6. **PAYMENT:** The City agrees to pay for the material within thirty (30) days after acceptance. Acceptance means 100% delivery of satisfactory merchandise to comply with our specifications.
7. **TESTS:** Before approval, the Superintendent shall have the right to inspect and test the materials furnished in accordance with this notice. All chemical deliveries shall be accompanied by a certificate of analysis.

Bid of _____ (hereinafter called "bidder" organized and existing under the laws of the State of doing business as (Hereinafter called "Owner").

The bidder, in compliance with the invitation for bids for the supply of **Liquid Sodium Bisulfite, Liquid Sodium Hypochlorite, Dry Cationic Polymer, Liquid Aluminum Sulfate, Potassium Permanganate, Anionic Polymer, and Cationic Polymer** agrees to have examined the specifications with relating documents and the site of the proposed delivery. The bidder shall be familiar with all of the conditions surrounding the project, hereby proposes to furnish all materials and supplies in accordance with the Contract Documents, at time set forth therein, and at prices stated below. These prices are to cover all expenses incurred in furnishing and delivering material in accordance with the Contract Documents, of which this bid is a part.

A. SPECIFICATIONS FOR LIQUID SODIUM BISULFITE (NaHSO₃)

1. SCOPE

The product specified is a water based solution of sodium metabisulfite. Sodium bisulfite is a clear, free-flowing liquid, light green to colorless with a pungent aroma. Ingredients include water, caustic soda, sulfur dioxide and trace metallic and inorganic salt compounds. Product is to be delivered at the Warwick Wastewater Treatment Facility in 1500 to 2000 gallon truckloads on weekdays 8 am to 3 pm.

2. GENERAL

The price shall be good for the one-year period extending from July 1, 2019 through June 30, 2020. Term contracts may be extended for two additional one year terms upon mutual agreement unless otherwise stated. Billing shall be based on total gallons delivered.

3. QUANTITY

The estimated quantity, based upon a concentration of 38%-40%, shall be 25,000 gallons annually, or 35 gallons/day. Deliveries shall be no more than 2,000 gallons.

4. DELIVERY

Deliveries shall be made between the hours of 8 am and 3 pm Monday through Fridays and received at the Treatment Plant's Disinfection and Effluent Pumping Facility. Deliveries will be made only at the owner's request and be made by tanker truck capable of off-loading via pressure. A complete delivery slip shall accompany each delivery showing product assay strength, scale weights, approximate gallons and be signed by the owner as received. Deliveries shall be made in the requested quantity within five (5) days of the order.

5. TRANSPORTATION

All deliveries shall conform in every respect with applicable Federal and State laws for safety, security and load requirements.

6. STANDARDS

- ⇒ 38% - 40% sodium bisulfite by weight
- ⇒ 22.8% - 25.3% sulfur dioxide by weight
- ⇒ sulfur dioxide (#/gal.), 2.48 - 2.83
- ⇒ pH 3.5 - 4.5 standard units
- ⇒ specific gravity = 1.299 - 1.337 @ 15.6 degrees C
- ⇒ weight of solution 10.83 - 11.15 lbs.
- ⇒ delivery temperature may be up to 130 degrees Fahrenheit

B. SPECIFICATIONS FOR LIQUID SODIUM HYPOCHLORITE (15%)

1. SCOPE

This specification covers one (1) grade Liquid Sodium Hypochlorite (13-15%) which will be used as a disinfectant for wastewater. Deliveries will be made to the Warwick Wastewater Treatment Facility in 3,000 – 5,000 gallon shipments between the hours of 8 am and 3 pm.

2. GENERAL

The price shall be good for the one-year period extending from July 1, 2019 through June 30, 2020. Term contracts may be extended for two additional one year terms upon mutual agreement unless otherwise stated. Billing shall be based on total gallons delivered.

3. QUANTITY

The approximate rate of consumption for this chemical is about 80,000 gallons a year. The owner reserves the right to increase or decrease this quantity based upon process requirements.

4. DELIVERY

Deliveries shall be made between the hours of 8 am and 3 pm Monday through Fridays and received at the Treatment Plant's Disinfection and Effluent Pumping Facility. Deliveries will be made only at the owner's request and be made by tanker truck capable of off-loading via pressure. A complete delivery slip shall accompany each delivery showing product assay strength, scale weights, approximate gallons and be signed by the owner as received. Deliveries shall be made in the requested quantity within five (5) days of the order.

5. TRANSPORTATION

All deliveries shall conform in every respect with applicable Federal and State laws for safety, security and load requirements.

6. STANDARDS

Sodium Hypochlorite Solution shall comply with all applicable requirements of "AWWA Standards for Hypochlorite's ANSI/ AWWA B 300-80"

Chemical Formula	NaOCl
Appearance	Clear, greenish, yellow liquid
Odor	Pungent/ typical of chlorine

Available Chlorine	150-160 g/L
15.0-16.0% by volume and 12.2-13.3% by weight	

Sodium Hypochlorite	157-168 g/L
15.7-16.8% by volume and 13.0-13.8% by weight	

C. SPECIFICATIONS FOR DRY CATIONIC POLYMER

1. SCOPE

The Warwick Sewer Authority (WSA) uses Cationic polymer (Cationic Polyacrylamide Flocculants) in three (3) different locations. (1) - for flocculating and improving solids capture, settleability and compaction of settled primary / waste mixed liquor / waste activated sludge in the Gravity Thickener; (2) – for settleability and compaction of mixed liquor as it enters the secondary clarifiers; (3) – Dewatering/Thickening of sludge utilizing a Rotary Screen (drum) Thickener. These manual batch made solutions are only produced when standard liquid polymer is not available. Product shall be granular material suitable for easy handling.

2. GENERAL

The price shall be good for the one-year period extending from July 1, 2019 through June 30, 2020. Term contracts may be extended for two additional one year terms upon mutual agreement unless otherwise stated. Billing shall be based on total gallons delivered

3. USAGE

The average annual usage is approximately 5,200 pounds of dry cationic polymer. This usage could vary over the course of the contract and should only be used as an indication of use.

Polymer can only be bid if proven to the satisfaction of the Warwick Sewer Authority (WSA) Plant Superintendent to be effective in obtaining the required results, and can be applied efficiently utilizing the existing polymer feed and make-up equipment. Polymers requiring feed equipment other than that furnished by WSA must be supplied by the bidder for both the plant trial and the duration of the contract. Approval of the polymer selected shall have satisfactorily demonstrated to be effective during a trial basis at the WSA prior to the date of the bid opening. Fifty pounds of dry polymer for these trial periods are to be furnished by the supplier after arrangements have been made with the Wastewater Treatment Plant. The trials will be conducted by both supplier and WSA plant personnel. This will allow all polymers to be evaluated and compared with like biosolids and conditions. A minimum of one (1), fifty (50) pound bag of polymer will be used in the plant during the trial testing to assure compatibility with existing polymer feed equipment and the three (3) different plant processes.

Since polymer is not used on a regular basis in the secondary clarifiers, it will not be possible to do a bench test for this application. Polymer is only used for this application when the plant is in an "upset" condition (heavy flow conditions). Historically, the same polymer has worked well in the Secondary Clarifiers, RST, and in the Gravity Thickener. This is assumed to continue; therefore only one polymer will be bid for these applications. The polymer dosage determined by the bench top test will be used in the bid evaluation process.

Product Type:	Cationic Water-Soluble Polymer
Appearance:	White Crystalline Powder or Granular
pH:	3.0 – 4.0
Delivery:	50 lb. bags or similar packaging

The polymer bid must have an adequate shelf life to remain in a uniform, useable condition throughout the receiving, storing, and using cycle of a minimum of six months. The WSA shall reserve the right of cancellation through a written notice expressing such intentions and providing thirty (30) days for effective cancellation. This contract may be cancelled in the event the polymer being furnished requires an excessively high application rate. The polymer feed application rate shall be considered to be excessively high if the feed rate in lb./ton as expressed in the bid proposal is exceeded by 20% to achieve coagulation and flocculation using the average of the performance for seven consecutive days as a basis of determining effectiveness.

D. SPECIFICATIONS FOR LIQUID ALUM

1. SCOPE

This specification is for a liquid Aluminum Sulfate Hydrate solution. This product is to be used to aid in the phosphorus removal process at the Warwick Wastewater Treatment Facility.

2. GENERAL

The price shall be good for the one-year period extending from July 1, 2019 through June 30, 2020. Term contracts may be extended for two additional one year terms upon mutual agreement unless otherwise stated. Billing shall be based on total gallons delivered.

3. QUANTITY

Consumption of this product for this time period is estimated to be approximately 50,000 to 85,000 gallons. The owner reserves the right to increase or decrease the quantity in accordance with requirements.

4. DELIVERY

Deliveries will be made to the Warwick Sewer Authority, located at 125 Arthur W. Devine Boulevard, Warwick, Rhode Island, on weekdays between the hours of 8 am and 3 pm. A typical order will be for 3,000 to 5,000 gallons of the product. All deliveries shall be made in the requested quantity within five (5) days of the order. NOTE – Warwick Sewer Authority Liquid Aluminum Sulfate Hydrate Solution usage increases starting mid-March, with the startup of the advanced phosphorus removal system and continues until November 1st when the system is shut down. We are requesting qualified bidders to submit bids at both <5,000 gallons delivered and >5,000 gallons delivered.

5. TRANSPORTATION

All deliveries shall conform in every respect with applicable Federal and State laws for safety, security and load requirements.

6. STANDARDS

⇒	Chemical Formula	Al (SO ₄) 14H ₂ O
⇒	Appearance:	Clear Liquid with Greenish or Brown Tint
⇒	Assay:	45-55% Al (SO ₄) 14 H ₂ O
⇒	pH -	2-3.5
⇒	Specific Gravity:	1.3

E. SPECIFICATIONS FOR POTASSIUM PERMANGANATE

1. SCOPE

This specification covers one grade of potassium permanganate, delivered in (approximately) 55 lb. containers to the Warwick Sewer Authority, located on 125 Arthur Devine Boulevard, Warwick, Rhode Island, between 8 am and 3 pm, Monday through Friday.

2. GENERAL

The price shall be good for the one-year period extending from July 1, 2019 through June 30, 2020. Term contracts may be extended for two additional one year terms upon mutual agreement unless otherwise stated. Billing shall be based on total pounds delivered.

3. QUANTITY

The estimated quantity for this one-year period is 30,000 pounds. The owner reserves the right to increase or decrease the quantity in accordance with requirements.

4. DELIVERY

The potassium permanganate shall be delivered in (approximately) 55.125 lb. drums in minimum lots of (approximately) 48 as directed, and off loaded at the owner's loading platform.

5. TRANSPORTATION

All deliveries shall conform in every respect with applicable Federal and State laws for safety, security and load requirements.

6. STANDARDS

Potassium permanganate free flowing shall conform to AWA standards B603-93 and meet water codex RMIC

Assay: Guaranteed 97% KMnO_4 , Typical 97 %

Particle size – 20% max. Retained on #425 U.S. standard sieve (formerly #40) 7% maximum through #75 U.S. standard sieve (formerly #200)

Containers shall be made of plastic or metal with twist off/easy to remove covers. Containers must have at least one handle and removable labels.

The successful bidder must be registered with the National Sanitation Foundation. (N.S.F.). All chemicals shall be NSF Standard 60 certified.

F. SPECIFICATIONS FOR ANIONIC POLYMER

1. SCOPE

This specification covers one (1) grade of Anionic Polymer, suitable for use in conditioning a mixture of effluent, aluminum sulfate and sand for phosphorus removal.

2. GENERAL

The price shall be good from the bid award date from July 1, 2019 to June 30, 2020. Term contracts may be extended for two additional one year terms upon mutual agreement unless otherwise stated. Billing shall be based on total gallons of product delivered.

3. QUANTITY

The expected consumption rate for this product is approximately 2,500 gallons. The owner reserves the right to increase or decrease this quantity based upon process requirements.

4. DELIVERY

The product shall be delivered via 275 gallon totes, as required, within three (3) days after notification from the Waste Water Treatment Facility. These deliveries shall arrive on a seven-day per week basis, without any extra cost to the city. Typical orders will be in the 2 to 3 tote range. Deliveries shall be made to the loading dock of the Actiflo Phosphorus Removal Building located on the north end.

5. TRANSPORTATION

All deliveries shall conform in every aspect with applicable Federal and State laws for safety and load requirements.

6. STANDARDS

The Polymer used is to be of high molecular weight; anionic flocculent which must be miscible in water. It shall be stable in its original form and have a shelf life of at least five (5) days in the diluted form. Polymer should be odorless with a pH of 6.0-8.0. Also, Polymer shall not be harmful if applied to skin, and shall not meet any criteria of a hazardous substance.

7. SPECIAL INFORMATION FOR BIDDERS

Only those manufacturers who successfully complete plant trials or their product satisfies these specifications will be eligible for the award of this contract.

Failure of the polymer to perform as required by these specifications will be grounds to void this contract.

G. SPECIFICATIONS FOR CATIONIC POLYMER

1. SCOPE

This specification covers one (1) grade of Cationic Polymer, suitable for use in conditioning a mixture of waste activated sludge, primary sludge and/or gravity thickened sludge for sludge thickening.

2. GENERAL

The price shall be good from the bid award date to July 1, 2019 through June 30, 2020. Term contracts may be extended for two additional one year terms upon mutual agreement unless otherwise stated. Billing shall be based on total gallons of product delivered.

3. QUANTITY

The expected consumption rate for this product is approximately 14,300 gallons or approximately 122,980 pounds per year. The owner reserves the right to increase or decrease this quantity based upon process requirements.

4. DELIVERY

The product shall be delivered via 275 gallon tote, as required, within three (3) days after notification from the Waste Water Treatment Facility. These deliveries shall arrive on a seven-day per week basis, without any extra cost to the city. Typical orders will be in the 3-4 tote range. Deliveries shall be made to the loading dock of the Warwick Wastewater Treatment Facility between the hours of 8:00 am and 3:00 pm.

5. TRANSPORTATION

All deliveries shall conform in every aspect with applicable Federal and State laws for safety and load requirements.

6. STANDARDS

The Polymer used is to be of low molecular weight; cationic emulsion flocculent which must be miscible in water. The Polymer used will not cause process upsets or settle-ability issues within the process. It shall be stable in its original form and have a shelf life of at least five (5) days in the diluted form. Polymer usage not to exceed 15 pounds per dry ton to achieve a percent solids of 4 to 5 percent. Also, Polymer shall not be harmful if applied to skin, and shall not meet any criteria of a hazardous substance. Mannich (manufactured with formaline and dimethylamine) and dry flocculants are not acceptable for this bid.

7. SPECIAL INFORMATION FOR BIDDERS

The Vendor, at no additional cost to the City, will supply a polymer blending unit. The unit shall be capable of a maximum neat polymer flow of 0.70 gpm, maximum water flow of 30 gpm, maximum solution flow of 30 gpm. The unit shall feature a calibration column, a low water flow protection switch, be capable of both manual and batch operation.

The Vendor will be responsible for any and all parts and service required during the term of the Contract. The Vendor shall supply the name, address and phone number of their Technical Service Representative that will be responsible to perform the necessary service to the blending unit within 3 working days. In order to provide timely response, the Vendors' Technical Service Representative must reside within 120 miles of the Warwick Sewer Authority.

Only those manufacturers who successfully complete plant trials or have met these specifications will be eligible for the award of this contract.

Failure of the polymer to perform as required by these specifications will be grounds to void this contract.

The Warwick Sewer Authority may cancel this contract upon twenty days written notice to the contractor, should the product, for any reason, prove unsatisfactory for the purpose intended, or should there be a decline in the effectiveness per pound of material below that of the results documented in the initial trial.

If additional equipment is required to facilitate the Vendor's delivery, the Vendor will supply all the necessary equipment. If any modifications are required to the existing delivery station, the Vendor will make such modifications at his expense.

The final determination of the selection of the successful bidder will not necessarily be the lowest price per pound of polymer, but rather the performance of the product based on costs/ton of dry solids produced by the filter, resulting from trial runs and/or knowledge and experience with the product. Upon request, the bidders shall provide the Warwick Sewer Authority with one (1) 275-gallon tote of the product which will allow for all the required trial testing.

CITY OF WARWICK

BID AND CONTRACT FORM

TITLE OF SPECIFICATION: Bid2020-023 Wastewater Treatment Chemicals

I. BID:

WHEREAS, the CITY OF WARWICK has duly asked for bids for performance of services and/or supply of goods in accordance with the above-indicated specifications.

The person or entity does irrevocably offer to perform the services and/or furnish the goods in accordance with the specifications, which are hereby incorporated by reference in exchange for the bid price below;

This offer will remain open and irrevocable until the CITY OF WARWICK has accepted this bid or another bid on the specifications or abandoned the project.

The bidder agrees that acceptance by the CITY OF WARWICK will transform the bid into a contract. This bid and contract will be secured by Bonds, if required by the specifications.

Pricing as Follows

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PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

Bid2020-023 Wastewater Treatment Chemicals

A. BASE BID – The bidder agrees to furnish **LIQUID SODIUM BISULFITE** as described in the specifications for the price per gallon and per pound as listed below. Amount shall be shown in both words and figures. In case of discrepancy, the amount in words shall govern.

\$ _____ gallon

_____ gallon

\$ _____ pound

_____ pound

\$ _____ per tote (275 gal. tote)

B. BASE BID – The bidder agrees to furnish **LIQUID SODIUM HYPOCHLORITE** as described in the specifications for price per gallon and per pound as listed below. Amount shall be shown in both words and figures. In case of discrepancy, the amount in words shall govern.

\$ _____ gallon

_____ gallon

\$ _____ pound

_____ pound

C. BASE BID – The bidder agrees to furnish **DRY CATIONIC WATER-SOLUBLE POLYMER** described in the specifications for price per pound as listed below. Amount shall be shown in both words and figures. In case of discrepancy, the amount in words shall govern.

\$ _____ pound

_____ pound

Continued next page

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

Bid2020-023 Wastewater Treatment Chemicals

D. BASE BID – The bidder agrees to furnish **LIQUID ALUM** described in the specifications for the price per gallon and dry pound as listed below. Amount shall be shown in both words and figures. In case of discrepancy, the amount in words shall govern.

\$ _____ gallon @ <5,000 delivered

_____ gallon @ <5,000 delivered

\$ _____ pound @ <5,000 delivered

_____ pound @ <5,000 delivered

\$ _____ gallon @ >5,000 delivered

_____ gallon @ >5,000 delivered

\$ _____ pound @ >5,000 delivered

_____ pound @ >5,000 delivered

E. BASE BID – The bidder agrees to furnish **POTASSIUM PERMANGANATE** described in the specifications for the price per gallon and dry pound as listed below. Amount shall be shown in both words and figures. In case of discrepancy, the amount in words shall govern.

\$ _____ pound

_____ pound

F. BASE BID – The bidder agrees to furnish **ANIONIC POLYMER** described in the specifications for the price per gallon and dry pound as listed below. Amount shall be shown in both words and figures. In case of discrepancy, the amount in words shall govern.

\$ _____ gallon

_____ gallon

\$ _____ pound

_____ pound

Continued next page

PLEASE COMPLETE THIS PAGE & SUBMIT WITH YOUR BID

Bid2020-023 Wastewater Treatment Chemicals

G. BASE BID – The bidder agrees to furnish **CATIONIC POLYMER** described in the specifications for the price per gallon and dry pound as listed below. Amount shall be shown in both words and figures. In case of discrepancy, the amount in words shall govern.

\$ _____ gallon

_____ gallon

\$ _____ pound

_____ pound

The above prices shall include all labor, materials, transportation, uses of containers, overhead, profit, insurance, etc., for the period of the contract. No additional or separate deposit will be made on containers. The bidder understands that the Owner reserves the right to reject any or all bids and to waive any informality in the bidding. The Bidder agrees that this bid shall be valid and may not be withdrawn for a period of sixty (60) days after the scheduled closing time for receiving bids.

CERTIFIED

BY: _____

ADDRESS: _____

SEAL IF A CORPORATION:
