

**CITY OF NORWICH**  
**NORWICH PUBLIC UTILITIES**

BID # 7281

**Bulk Chemicals**

Sealed bids for BULK CHEMICALS will be received at the Office of the Purchasing Agent at City Hall, 100 Broadway, Norwich, Connecticut 06360 until 2:00 P.M., on June 24, 2011 prevailing time, at which time they will be publicly opened and read aloud.

**Bid surety in the form of cash, a certified check or bid bond in the amount of five percent 5% of this bid is required.**

Copies of the Specifications may be obtained at the Purchasing Office at 100 Broadway, Norwich, CT., DAS Web Portal, or [www.norwichct.org](http://www.norwichct.org)

Norwich Public Utilities reserves the right to reject any or all bids, in whole or in part, to award any item, group of items, or total bid, and to waive any informality in the bids received if it deems it to be in the best interest of the Department to do so.

No Bidder may withdraw their bid within 60 days after the actual date of bid opening thereof. Should there be reason why the contract cannot be awarded within the specific period, this time may be extended by mutual agreement between the City and the designated, qualified low Bidder.

All final awards of the bid subject to comply with Ordinance No. 1235 adopted December 3, 1991.

All bids must be submitted in a sealed envelope bearing the bidders name and bid number.

Responding bidders must ensure that employees and applicants for employment are not discriminated against because of their race, color, religion, age, handicap, familial status, sex, or national origin.



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PURCHASING AGENT

**NOTE: BIDDERS ARE HEREBY ADVISED THAT ONLY BID SURETIES FOR THE THREE LOWEST BIDDERS WILL BE HELD. ALL OTHERS WILL BE RELEASED WITHIN SEVEN DAYS.**

BID NO. 7281

REQUEST FOR QUOTATION  
THE CITY OF NORWICH  
DEPARTMENT OF PUBLIC UTILITIES

June 8, 2011

Norwich, Connecticut 06360

In your reply, refer to  
Purchasing Division  
860-823-4179

TO:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**THIS IS NOT AN ORDER**

Shipping Point: \_\_\_\_\_

F.O.B. \_\_\_\_\_ Via: \_\_\_\_\_

Delivery: Complete Shipment to be made from \_\_\_\_\_ in \_\_\_\_\_ days from receipt of order

Terms: \_\_\_\_\_ % \_\_\_\_\_ days: Net \_\_\_\_\_ days Shipping Weight \_\_\_\_\_ lbs.

**IMPORTANT**

PLEASE QUOTE ON THIS SHEET IN SPACE INDICATED BELOW FOR THE MATERIALS AND/OR SERVICES DESCRIBED..

EXPLAIN FULLY ANY SUBSTITUTES SUBMITTED. PURCHASES MADE BY THE NORWICH DEPARTMENT OF PUBLIC UTILITIES ARE CONSIDERED EXEMPT FROM THE PAYMENT OF FEDERAL EXCISE TAXES, CONNECTICUT SALES TAXES, ETC., AND SUCH TAXES MUST BE IDENTIFIED SEPARATELY OR EXCLUDED FROM THE BID PRICES. EXEMPTION CERTIFICATIONS WILL BE FURNISHED AS REQUIRED.

THE RIGHT TO ACCEPT ALL OR ANY PART OR TO DECLINE THE WHOLE IS RESERVED.

Your quotation must be in our office

By: \_\_\_\_\_

June 24 2011

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THE CITY OF NORWICH

Item	Quantity	Materials and/or Services Required	Unit Price	Total Price
		<p style="text-align: center;"><b>BULK CHEMICALS</b></p> <p style="text-align: center;">PLEASE LIST PRICING ON ATTACHED BID SPEC</p> <p style="text-align: center;">Please answer without exception all questions listed on this request for quotation</p>		

To THE CITY OF NORWICH

We quote you as above,

Date \_\_\_\_\_ 20\_\_\_\_

Signed: \_\_\_\_\_

By: \_\_\_\_\_

**BID # 7281**  
**BULK CHEMICAL BID**

- . **APPROX. 1,800 GALLONS** - Liquid polymer, ACP 61B or approved equal (based on performance testing to achieve a minimum of 5% solids at a minimum flow rate of 225 GPM on the owners Rotary Drum Thickener, manufactured by BDP) for immediate feed, delivered if required and as requested in 50-pound drums for the period of July 1, 2011 through June 30, 2012.

50 lb drums - Price per pound delivered

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All bidders shall accompany bid with properties and also state molecular weight of product.

Drum Rental - \_\_\_\_\_ ea

2. **APPROX. 4,000 GALLONS** - Liquid Ferric Chloride with standard concentration 34% (650 LBS net). Delivered in 15 gallon drums. Prices per drum and any applicable rental. Delivered if required and as requested for the period July 1, 2011 through June 30, 2012.

Price per gallon delivered \_\_\_\_\_

Drum Rental - \_\_\_\_\_ ea

3. **APPROX. 7,000 GALLONS** - Liquid Ferric Chloride with standard concentration 34% (650 LBS net). Delivered in 275 gallon totes. Delivered if required and as requested for the period July 1, 2011 through June 30, 2012.

Price per gallon delivered \_\_\_\_\_

The bidder shall have truck adequately equipped to unload the Ferric Chloride into our storage tank with drivers handling all unloading details.

4. **APPROX. 5,000 GALLONS** - Liquid cationic Praestol K 144 L or approved equal (based on performance testing to achieve a minimum of 18% "cake" at a minimum flow rate of 100 GPM on the owners Belt Filter Press, manufactured by BDP) for immediate feed, delivered if required and as requested in 275 gallon totes for the period July 1, 2011 through June 30, 2012.

275 gallon totes - Price per gallon delivered

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5. **APPROX. 50,000 GALLONS** - Sodium Hypochlorite (NaOCl) solution having 12-15% concentration of chlorine adhering to requirements of AWWA Standard B300-64. The product will be delivered if required and as requested for the period of July 1, 2011 through June 30, 2012.

a. \_\_\_\_\_ \$/gallon 1,000 - 1,500 gallon shipment. Delivery to 1 plant

b. \_\_\_\_\_ \$/gallon 1,500 - 2,000 gallon shipment Delivery to 1 plant

c. \_\_\_\_\_ \$/gallon 2,000 - 2,500 gallon shipment Delivery to 2 plants

d. \_\_\_\_\_ \$/gallon 2,500 - 3,000 gallon shipment Delivery to 2 plants

e. \_\_\_\_\_ \$/gallon 3,000 - 3,500 gallon shipment Delivery to 2 plants

6. **APPROX. 18 TONS** Liquid Chlorine delivered in one ton cylinders in minimum truck load lots of approximately 4-6 one ton cylinders each, to our chlorine storage racks, if required and as requested during the period July 1, 2011 through June 30, 2012. Empty cylinders to be picked up by Vendor at no additional cost to Purchaser.

Price per ton delivered and unloaded \_\_\_\_\_

State rental charge if any, on cylinders. \_\_\_\_\_ ea

There are hoists to assist the driver in unloading.

7. **APPROX. 35,000 GALLONS** Caustic Soda, 50% solution, 76 NA20 basis, adhering to AWWA Standard B-501-64, delivered if required and as requested for period July 1, 2011 through June 30, 2012.

Price per CWT (dry basis) delivered and unloaded \_\_\_\_\_

The bidder shall have tank trucks adequately equipped to unload the caustic soda into our storage tank with drivers handling all unloading details.

Bidder shall state pounds

NA20 concentration. \_\_\_\_\_ Na20/g

Tank Truck Capacity \_\_\_\_\_ g

Bidders shall indicate capacity of tank truck and furnish analysis of the liquid caustic soda on which they are bidding.

8. **APPROX. 60,000 GALLONS** Liquid aluminum sulfate or liquid alum, with a standard concentration at 8.3% AL<sub>2</sub>O<sub>3</sub> to provide the lowest freezing point (5 degrees F) coupled with a good stable solution. The 8.3% shall contain 5.4 pounds of dry alum per gallon and shall be equivalent to 48.5% solution of dry alum. The product shall meet AWWA specifications B403-70 and be delivered if required and as requested for the period of July 1, 2011 through June 30, 2012.

Price per net ton (dry basis) delivered and unloaded \_\_\_\_\_

Tank Truck Capacity \_\_\_\_\_ gal

The bidder shall have tank trucks equipped to unload the alum into our storage tank with drivers handling all unloading details.

Bidder shall indicate capacity of tank truck and furnish the following information with each delivery: Dry alum weight per gallon, appearance, basic AL<sub>2</sub>O<sub>3</sub>, combined AL<sub>2</sub>O<sub>3</sub> and PEO.

Each shipment shall be accompanied by a certified copy of Vendor's analysis of content and by a weight ticket that shall show the weight of the shipment.

9. **APPROX. 8,000 GALLONS** Hydrofluosilicic acid (H<sub>2</sub>SIF<sub>6</sub>) having a 25% concentration. The product shall adhere to the requirements of AWWA Standard B703-60 in all respects except as modified herein, and be delivered if required and as requested for the period July 1, 2011 through June 30, 2012.

Price per gallon delivered and unloaded \_\_\_\_\_

Tank Truck Capacity \_\_\_\_\_ gal

Concentration \_\_\_\_\_ lbs H<sub>2</sub>SIF<sub>6</sub>/g

The bidder shall have tank trucks equipped to unload the hydrofluosilicic acid into our storage tank with drivers handling all unloading details, including metering of product leaving the tank to avoid spills (no sight tube is available on the tank).

The bidder shall indicate capacity of the truck, minimum amount that they will deliver by tank truck, weight per gallon and furnish analysis of the 25% hydrofluosilicic acid as to color, strength and heavy metals on which they are bidding. (2,000 gallon delivery would be the maximum that could be accepted.)

A certificate verifying that the product is not more than 25% concentration will also be mandatory, and each shipment of acid shall be accompanied by a certified copy of Vendor's analysis of the acid content and by a weight ticket which shall show the weight of the shipment, the serial number of the scale and the identification number of the truck and the date and hour of unloading.

10. **APPROX. 8 TONS** Copper sulfate, large crystals, delivered if required and as requested and released in minimum lots of one ton in 50-pound bags for the period of July 1, 2011 through June 30, 2012. This product must be registered in accordance with EPA requirements for drinking water algaecide.

Price per 50-pound bag delivered \_\_\_\_\_

State manufacturer of product on which you are bidding. \_\_\_\_\_

11. **APPROX. 17 TONS** Calgon C-39 sodium zinc phosphate platelets, adhering to ANSI/AWWA standard B502-01, in 50-pound watertight bags, in loads of no more than 30 bags per pallet, delivered if required and as requested for the period July 1, 2011 through June 30, 2012.

Price per 50-pound bag delivered \_\_\_\_\_

12. **APPROX. 750 GALLONS** Magnafloc lt 7981 liquid polymer, delivered if required and as requested for the period of July 1, 2011 through June 30, 2012. In 275-gallon totes transferred into 500-gallon bulk tank.

Price per gallon delivered and unloaded  
\_\_\_\_\_

13. **APPROX. 7 TONS** Domestic Sodium Fluoride (NaF) crystal maintaining commercial purity of 98% and adhering to requirements of AWWA Standard B701-84. The crystal product shall be delivered in 50-pound waterproof bags, palletized no more than 1,500 pounds per pallet, if required and as requested for the period of July 1, 20011 through June 30, 2012.

Price per 50-pound bag delivered \_\_\_\_\_

14. **APPROX. 8,000 GALLONS** Liquid aluminum chlorohydrate with a minimum concentration of 22.5% AL<sub>2</sub>O<sub>3</sub>, a maximum concentration of 24.0% AL<sub>2</sub>O<sub>3</sub> and a minimum basicity of 80. The product shall have a freezing point of 23 F, a specific gravity of 1.34 and a weight per gallon of 11.17 pounds per gallon. The product shall be NSF 60 certified for use in potable water treatment up to a dose of 250 mg/L and be delivered if required and as requested for the period of July 1, 2011 through June 30, 2012. Minimum load shall be 1,000 gallons and maximum load of 1,500 gallons.

Price per gallon delivered and unloaded \$ \_\_\_\_\_ per gallon at 11.17 pounds per gallon.

The bidder shall have tank trucks equipped to unload the alum into our storage tank with drivers handling all unloading details.

Bidder shall indicate capacity of tank truck and furnish the following information with each delivery: Weight per gallon, turbidity, basicity, and percent aluminum oxide (AL<sub>2</sub>O<sub>3</sub>). Price per gallon paid shall be adjusted based on the actual AL<sub>2</sub>O<sub>3</sub> percentage delivered.

Each shipment shall be accompanied by a certified copy of Vendor's analysis of content and by a weight ticket that shall show the weight of the shipment.

15. **APPROX. 4200 lbs** of solid copper sulfate compound, no less than 25% copper metal by weight, in bags no heavier than 50 lbs each, to be delivered if required and as requested for the period of July 1, 2011 through June 30, 2012. Certified to ANSI/NSF Standard 60 for use in drinking water.

Price per lb of copper sulfate compound meeting the above specifications, delivered and unloaded \$ \_\_\_\_\_ per lb of product.

The bidder shall have delivery trucks equipped to transport and offload all product with drivers handling all unloading details.

Bidder shall (furnish the following information with each delivery: total weight of each bag, weight of copper per bag, and composition (form of copper, inert ingredients, other ingredients) by % of total weight.

Each shipment shall be accompanied by a certified copy of Vendor's analysis of content and by a weight ticket that shall show the weight of the shipment.

16. **APPROX. 1,200 gallons** of liquid chelated copper, no less than 9% copper metal, 0.9 lb copper per gallon, to be delivered if required and as requested for the period of July 1, 2011 through June 30, 2012. Certified to ANSI/NSF Standard 60 for use in drinking water.

Price per gallon of liquid chelated copper meeting the above specifications delivered and unloaded \$ \_\_\_\_\_ per gallon of product meeting the above specifications in drums.

Price per gallon of liquid chelated copper meeting the above specifications delivered and unloaded \$ \_\_\_\_\_ per gallon of product meeting the above specifications in totes.

The bidder shall have delivery trucks equipped to transport and offload all product with drivers handling all unloading details.

Bidder shall indicate capacity of truck and furnish the following information with each delivery: total volume and weight of product, weight of copper per gallon of liquid product, and composition (form of copper, inert ingredients, other ingredients) by % of total weight.

Each shipment shall be accompanied by a certified copy of Vendor's analysis of content and by a weight ticket that shall show the weight of the shipment.

17. APPROX. **77,000 lbs** of hydrogen dioxide producing compound, no less than 0.27 lb (27%) hydrogen dioxide produced per pound of product, in bags no heavier than 50 lbs each, to be delivered if required and as requested for the period of July 1, 2011 through June 30, 2012. Certified to ANSI/NSF Standard 60 for use in drinking water.

Price per lb of solid product delivered and unloaded: \$\_\_\_\_\_ per lb of hydrogen dioxide producing product.

The bidder shall have delivery trucks equipped to transport and offload all product with drivers handling all unloading details.

Bidder shall indicate capacity of truck and furnish the following information with each delivery: total weight of each bag, and composition (active ingredient, inert ingredients) by % of total weight.

Each shipment shall be accompanied by a certified copy of Vendor's analysis of content and by a weight ticket that shall show the weight of the shipment.

Indicate if prices are firm and state lead times on all items of which you are bidding.

Delivery of the above chemicals shall be made to one or all of the following locations:

Falls Avenue Waste Water Treatment Plant; 44 Falls Avenue, Norwich, CT (WWTP)  
Sewer Pump Stations in Norwich, Connecticut (multiple addresses)  
Deep River Water Purification Plant 54 Reservoir Road Lebanon, Connecticut (WTP)  
Stony Brook Water Purification Plant 2 Cherry Lane Montville, Connecticut (WTP)

NOTE: DISPATCHERS MUST GIVE 24-HOUR NOTICE TO CONFIRM DELIVERIES TO DAVE GRUNDWALSKI AT (860)823-4157 (WWTP) OR DEBORAH OUELLETTE AT (860)887-3162 OR (860)848-9434 (WTP).

Selection will be made on the basis of price, delivery, and actual amount of product needed per application based on Owner's use.

The successful bidders shall furnish the Purchaser insurance certificates showing their coverage for the personal liability, property damage, automobile personal liability and property damage, and workmen's compensation.

The bidders shall indicate that they are abiding by the OSHA rules and regulations regarding safety practices in their industry and all chemicals must meet NSF Standards. Current MSDS must accompany shipments.

Bidders may bid on all or any of the items on this bid, but they are hereby advised that a 5% BID SURETY is required for any and all of the items on which they are bidding.

This bid will be for the Fiscal year 20112012 with an option to renew up to two additional one year term extensions.