

NIAGARA FALLS WATER BOARD

REQUEST FOR BIDS BID #W09-10

Bids on items as specified herein will be accepted at City Hall until 11:00 A.M., and opened at 11:00 A.M. on November 12, 2010.

Bidders must state when delivery can be made.

All bids are subject to delivery as stated herein.

If a bid is submitted on an article intended as a substitute for a grade or brand specified, the bidder must state the grade or brand of the substitution, otherwise it will be assumed that the bid is based on the grade or brand specified.

The Board reserves the right to accept this bid by items, or as a whole, or to reject any or all bids or waive informalities.

Bids are to be shown NET. Cash discounts are to be stated, if any.

All bids must be accompanied by the requisite bid bond IF SO STATED IN THE SPECIFICATIONS.

Provision of any required performance bond is the responsibility of the bidder.

Prices must be filled in with typewriter or ink on this form.

THE ENVELOPE CONTAINING THE BID MUST BE SEALED AND CLEARLY MARKED WITH THE BID NUMBER.

Any and all bids and contracts made or awarded by the Niagara Falls Water Board or any official thereof for work or services performed or to be performed, or goods purchased or sold or to be purchased or sold are made subject to the provisions of Chapter 861 of the Laws of New York, 1953, as amended by Chapter 751 of the Laws of New York, and as now contained or as may hereafter be amended. The provisions of the New York State General Municipal Law and 103a and 103b are applicable to this bid.

BIDDER'S ATTENTION IS REQUESTED REGARDING THE FOLLOWING CONDITIONS AND REGULATIONS. BIDS NOT IN COMPLIANCE WITH THE FOREGOING CONDITIONS AND REGULATIONS WILL NOT BE CONSIDERED.

NON-COLLUSIVE BIDDING CERTIFICATION **(PURSUANT TO CHAPTER 751 OF LAWS OF NEW YORK, 1965)**

By submission of this bid or proposal, the bidder certifies that:

- a) This bid or proposal has been independently arrived at without collusion with any other bidder or with any competitor or potential competitor;
- b) This bid or proposal has not been knowingly disclosed and will not be knowingly disclosed, prior to the opening of bids or proposals for this project, to any other bidder, competitor or potential competitor;
- c) No attempt has been or will be made to induce any other person, partnership or corporation to submit or not to submit a bid or proposal;
- d) The person signing this bid or proposal certifies that he has fully informed himself regarding the accuracy of the statements contained in this certification, and under the penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidders as well as to the person signing on it's behalf;
- e) That attached hereto (if a corporate bidder) is a certified copy or resolution authorizing the execution of this certificate by the signature of this bid or proposal on behalf of the corporate bidder.

(see reverse side for additional information)

COMPANY NAME:

ADDRESS:

TOTAL NET PRICE	DELIVERY PROMISED
CONTACT PERSON FOR QUESTIONS REGARDING BID	TELEPHONE NUMBER
AUTHORIZED SIGNATURE	DATE
TITLE	

MAIL BIDS TO:
NIAGARA FALLS WATER BOARD
C/O PURCHASING DIVISION ROOM 14-B
PO BOX 69
NIAGARA FALLS, NY 14302-0069

DELIVER BIDS TO:
NIAGARA FALLS WATER BOARD
C/O CITY HALL ROOM 14-B
745 MAIN STREET
NIAGARA FALLS, NY 14302-0069

BIDS SUBMITTED BY FACSIMILE ARE UNACCEPTABLE

Item #	QNTY	UNIT	DESCRIPTION	UNIT PRICE	NET TOTAL
			60 for water treatment use. The suppliers truck must be equipped with a 2" quick connect fitting and with pumping equipment (and air blow-off valve) capable of pumping the acid from their truck directly to the customer's tank which which may be as much as 30 feet high. A certified analysis stating the percent by weight of the product delivered and the bill of lading shall be provided for each load		
5.	15	tons	Same as above but in deliveries of 1,000 gallon lots (Town of Grand Island).		
6.	2,070,000	gals.	More or less of Sodium Hypochlorite solution, commercial grade containing 12% - 16% available chlorine, delivered in tank trucks. Sodium Hypochlorite must meet AWWA B300-92 Standard or the latest Standard from the AWWA.		
7.	1,190	tons	More or less of Hydrogen Peroxide (h ₂ O ₂) 50% technical grade (stabilized), delivered in tank trucks. Bid to be based on a solution basis:		
8.	240	tons	More or less of High Calcium, High Reactivity Rotary Kiln Quicklime , size 0 x 1/4" as per the attached specifications, delivered in hopper trucks. Bid to be based on anhydrous calcium oxide (CaO) content delivered at the plant:		
9.	25	tons	More or less of Poly-Orthophosphate , Blend (non-zinc) as per the attached specifications.		
10.	120	tons	More or less of Polyaluminum Chloride 70% basistity as per the attached specifications:		
11.	570	tons	More or less of Polyaluminum Chloride , 50% basistity as per the attached specifications:		

NIAGARA FALLS WATER BOARD
TERMS AND CONDITIONS
Bid #W09-10

Bid prices are to be firm through December 31, 2011.

Bid price is to be F.O.B. destination, freight prepaid to the following locations:

Town of Lewiston
Water Pollution Control Center
501 Pletcher Road
Lewiston, NY 14092
(Ferric Chloride-tank trucks, Sodium Hypochlorite-tank trucks)

Niagara Falls Water Board
Wastewater Treatment Plant
1200 Buffalo Avenue
Niagara Falls, NY 14301
(Ferric Chloride-tank trucks, Sodium Hypochlorite-tank trucks, Hydrogen Peroxide-tank trucks,
Quicklime-hopper trucks)

Niagara Falls Water Board
Water Treatment Plant
5815 Buffalo Avenue
Niagara Falls, NY 14304
(Chlorine-ton cylinders, Hydrofluosilicic Acid-tank trucks, Poly-Orthophosphate-tank trucks,
Polyaluminum Chloride-tank trucks)

Niagara County Water District
Water Treatment Plant
7227 Williams Road
Niagara Falls, NY 14304
(Chlorine-ton cylinders, Hydrofluosilicic Acid-tank trucks)

Niagara County Water District
Shawnee Booster Station
6240 Shawnee Road
North Tonawanda, NY 14120
(Chlorine-150# cylinders)

Niagara County Water District
Robinson Road Booster Station
6150 Robinson Road
Lockport, NY 14094
(Chlorine-150# cylinders)

Niagara County Water District
Town of Lewiston Booster Station
Elm Drive (Rear)
Lewiston, NY 14092
(Chlorine-150# cylinders)

City of Lockport
Water Filtration Plant
220 Summit Street
Lockport, NY 14094
(Chlorine-ton cylinders, Hydrofluosilicic Acid-tank trucks, Polyaluminum Chloride-tank trucks)

City of Lockport
Wastewater Treatment Facility
611 West Jackson Street
Lockport, NY 14094
(Ferric Chloride-tank truck)

City of Lockport
Pumping Station
River Road at Wheatfield Street
North Tonawanda, NY 14120
(Chlorine-ton cylinders)

Town of Grand Island
Wastewater Treatment Plant
3500 Baseline Road
Grand Island, NY 14072

(Sodium Hypochlorite-tank trucks)

Town of Grand Island
Water Treatment Plant
3018 Baseline Road
Grand Island, NY 14072

(Chlorine-150# cylinders, Hydrofluosilicic Acid-tank trucks)

City of North Tonawanda
Wastewater Treatment Plant
830 River Road
North Tonawanda, NY 14120
(Chlorine-ton cylinders, Ferric Chloride-tank trucks)

City of North Tonawanda
Water Treatment Plant
Tonawanda Island
North Tonawanda, NY 14120
(Chlorine-ton cylinders, Hydrofluosilicic Acid-tank trucks)

Towne of Newfane
Wastewater Treatment
6349 East Lake Road
Olcott, NY 14126
(Chlorine – 150# cylinders, Ferric Chloride – tank trucks, Sodium Hypochlorite – tank trucks)

Delivery is required within five (5) calendar days after receipt of the order (3 days for hydrofluosilicic acid and polyaluminum chloride). Delivery hours are 8:00 A.M. to 3:00 P.M., Monday thru Friday.

The contractor must provide all MSDS sheets for the product(s) they are providing.

The contractor, upon request, must provide safe handling training for the product(s) they are providing.

A certificate of insurance which meets all the requirements as set forth in the attached "Instructions for Niagara Falls Water Board Standard Insurance Certificate" must be provided by the successful bidder(s) after award of the bid. A separate certificate must be issued to each public agency listing each as an additional insured.

This is a cooperative bid being solicited by the Niagara Falls Water Board on behalf of The Board, the Town of Lewiston Water Pollution Control Center, the Niagara County Water District and the City of Lockport, the City of North Tonawanda, Town of Grand Island and the Town of Newfane. Each entity shall be responsible for all their own payments.

For further information please contact Dean W. Spring at (716) 286-4371.

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NIAGARA FALLS WATER BOARD

SPECIFICATIONS

WASTEWATER TREATMENT PLANT CHEMICALS

HIGH CALCIUM QUICKLIME

SEC. 1 – SCOPE

This specification covers high calcium, high reactivity rotary kiln quicklime to be used in the treatment of combined municipal and industrial wastewater and for use as a conditioning agent for sludge prior to de-watering.

SEC. 2 – DEFINITION

High calcium, high reactivity quicklime is a white porous solid obtained by the calcination of limestone and is composed essentially of calcium oxide (CaO).

SEC. 3 – REJECTION

Notice of dissatisfaction with a shipment of material, because of failure to meet the requirements of this specification, must be in the hands of the vendor within 10 days after receipt of the shipment at the point of destination.

If the material does not meet the requirements of this standard, the vendor may remove the material from the premises of the purchaser or a price adjustment may be agreed upon by the vendor and the purchaser.

SEC. 4 – SAMPLING

Sampling shall be conducted as described in American Water Works Association (AWWA) Standard B202-65, Part B.

A retained sample of each lot shipped shall be delivered to the Niagara Falls Wastewater Treatment Plant with each shipment.

SEC. 5 – METHODS OF TESTING

The laboratory examination shall be carried out in accordance with Part C of the AWWA Standard B202-65.

HIGH CALCIUM QUICKLIME CONTINUED

SEC. 6 – IMPURITIES

The high calcium, high reactivity quicklime supplied under this standard shall not contain any compound which will produce a toxic effect upon the wastewater treatment system, the receiving waters or the de-watered sludge.

SEC. 7 – AVAILABLE CaO

Quicklime supplied under this specification shall contain at least 90% available calcium oxide (CaO) as determined by the method described in Section 3C of the AWWA Standard B202-65.

SEC. 8 – SIZE RANGE

Quicklime supplied under this specification shall consist of material of which 100% passes a ¼" sieve, commonly referred to as 0 x ¼" run of kiln high calcium lime.

SEC. 9 – SLAKING RATE

Quicklime supplied under this specification shall be a high reactivity lime, shall exhibit a slaking rate which will produce a 40 degree centigrade temperature rise in 3 minutes and the slaking reaction will be complete in 10 minutes or less, with a final reaction temperature of at least 70 degrees centigrade when tested according to Section 4C of the AWWA Standard B202-65.

SEC. 10 – INSOLUBLE MATERIAL

Quicklime supplied under this specification will slake without production of objectionable amounts of insoluble material. The basis for rejection shall be the production of more than 2% insoluble material when tested according to Section 5C of the AWWA Standard B202-65.

POLY-ORTHOPHOSPHATE

1. The product must be certified as meeting or exceeding Standard No. 60 as issued by National Sanitation Foundation (NSF). A letter stating that the product meets NSF Standard No. 60 must be included with the bid.
2. The product must contain 18% Poly-phosphate and 18% Ortho-phosphate for a total PO₄ concentration of 36%.
3. The product must function as a corrosion inhibitor in potable water treatment.
4. The product must be a clear liquid and not precipitate out during normal handling and storage.
5. The product must have a successful history of use in municipalities of similar and water characteristics. List of at least three cities and contact names and phone numbers must be provided with the bid.
6. The product must have the capability of minimizing corrosion without causing any deleterious effects to the drinking water supply when used in accordance with the manufacturer's recommendations.
7. The product will be delivered in dedicated tankers used exclusively for this product to maintain the integrity and priority of the product.
8. The Board reserves the right to discontinue use if any deleterious effects are caused by the addition of this product.

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**NIAGARA FALLS WATER BOARD
SPECIFICATIONS FOR OPERATING CHEMICALS
FOR POTABLE WATER TREATMENT**

I. GENERAL REQUIREMENTS

The scope of the work shall include the furnishing of chemicals in the manner hereinafter described for the year of 2008 at the unit prices quoted.

All chemicals shall be delivered to Niagara Falls Water Board's facilities in quantities directed by the Niagara Falls Water Board. All deliveries will be made between the hours of 8:00 a.m. and 3:00 p.m. Monday through Friday, unless so directed. All pumps, hoses, hose connections and an air blow-off valve shall be supplied by the successful bidder for proper hookup to Niagara Falls Water Board equipment; so that all deliveries may be unloaded into the owner's storage facilities with a maximum of safety.

All Chemicals: Shall meet the applicable specifications of the American Water Works Association (AWWA) for the use in the treatment of potable water. Unless otherwise modified herein;

All Chemicals: Shall be certified pursuant to National Sanitation Foundation (NSF) standard 60 Drinking Water Treatment Chemicals. Certification is to be provided.

II. TECHNICAL SPECIFICATIONS

POLYALUMINUM CHLORIDE BID SPECIFICATION:

SCOPE: Furnish and deliver polyaluminum chloride to the Niagara Falls Water Board's Water Treatment Plant.

The product shall be Polyaluminum chloride with a 50% basisity (Base Bid) and/or Polyaluminum Chloride with a 70% basisity(Alternate Bid).

Certification: The product that is bid must meet both criteria below:

1. The product must be certified by the National Sanitation Foundation under Standard 60 - Drinking Water Treatment Chemicals - Health Effects.
2. A Designation of "no Objection to Use" by the United States Environmental Protection Agency {USEPA} for treatment of potable water. The product is identified in the USEPA Water Chemicals Codex as NAS/CWTC 044-84.

Physical and Chemical Specifications: The vendor under this specification shall supply a Polyaluminum Chloride solution that is 50% basisity(base bid and/or 70% basisity alternate bid) and meets the following specifications:

Other Impurities: Further to the specifications listed above, the **VENDOR** shall ensure that polyaluminum chloride solution does not contain other matter above limits which may be considered injurious to health. In particular,

1. The product shall not contain any amount of natural or synthetic organic polymer.
2. The product shall not contain concentrations of regulated metals exceeding limits as determined by NSF under Standard 60. These limits are based on no more than 10% contribution to the regulated metal concentration limit in the finished water (assuming complete transport of the regulated metal from the product to the water) based on maximum allowable regulated metal concentrations as set by the USEPA in the National Primary Drinking Water Standards and the maximum allowable dosage of the product as determined by NSF during the original product certification process. For more information, see NSF Standard 60, Section 3.0.1 and Appendix E.

Performance: The product must have demonstrated ability to perform effectively under the following conditions:

- A. All turbidity ranges.
- B. All temperatures ranges.
- C. pH ranges between 6.0 to 10.0.

POLYALUMINUM CHLORIDE BID SPECIFICATION:

Product Evaluation at the Water Treatment Plant: Bids will only be accepted from bidders pre-qualified, based on in-plant testing. Contact Charles Gonzalez at (716) 283-9770, extension 203 for product evaluation.

The product shall have been evaluated at the water treatment plant through jar testing. In each case a full report and conclusion must have been made to the Niagara Falls Water Board.

The owner reserves the right to disqualify the product if performance during jar testing does not meet quality standards or fails to perform to the satisfaction of the WTP staff. The VENDOR AND WATER TREATMENT STAFF will agree to the requirements that must be met prior to any testing.

Delivery: All deliveries must be made in dedicated containers used exclusively for the shipment of polyaluminum chloride solution to maintain product integrity and purity.

Deliveries will be by bulk tanker in quantities requested by Niagara Falls Water Board.

The truck is to be equipped with pumping equipment, hoses, hose connections and an air blow-off valve to unload into Niagara Falls Water Board's storage tanks.

NIAGARA FALLS WATER BOARD

INSURANCE: Standard Insurance Requirements apply to the following classifications:

- Construction and Maintenance
- Purchase of, or lease of merchandise or equipment
- Professional Services
- Property Leased to others or Use of Facilities or grounds
- Concessionaire Services
- Livery Services
- All purpose Public Entity Contracts

The Provider of any of the above classifications shall obtain, at his own costs and expense, the following insurance coverage with insurance companies licensed in the State of New York with a Best Rating of at least A- and shall provide a Certificate of Insurance and binder of Insurance Coverage, or a Certificate of Insurance and Policy Endorsement as evidence of such coverage to the Niagara Falls Water Board before commencement of work and/or lease or delivery of merchandise or equipment.

Certificates should be made to the Niagara Falls Water Board, 5815 Buffalo Avenue, Niagara Falls, N.Y. and should reference the project.

Prior to non-renewal, cancellation of insurance policies, or material change, at least 30 days advance written notice shall be given to the Certificate Holder and Binder Holder.

All Certificates of Insurance, Binders of Insurance Coverage, and Endorsements shall be approved prior to the inception of any work.

Minimum coverage with limits and provisions are as follows:

A. **Comprehensive General Liability**

With a minimum combined single limit of liability for Bodily Injury and Property Damage of \$1,500,000 per occurrence and 3,000,000 annual aggregate. The coverage shall include:

- Premises and Operations
- Products and Completed Operations
- No exclusion for X C U coverage's (explosion, collapse and underground)
- Independent Contractors
- Broad Form Property Damage
- Contractual Liability
- Fire Legal Liability
- Personal Injury Liability (Coverage A, B and C)
- Liquor Liability (if alcoholic beverages are to be dispensed under NYS License)

The Niagara Falls Water Board, the Niagara Falls Public Water Authority and the City of Niagara Falls shall be named as an Additional Insured's on the General Liability Policy with the following provisions:

1. The insurance company or companies issuing the policies shall have no recourse against the Niagara Falls Water Board or the Niagara Falls Public Water Authority for payment of any premiums or for assessments under any form of policy.

2. The insurance shall apply separately to each insured (except with respect to the limit of liability).

B. **Auto Liability:** (if licensed vehicles are to be used in the operation)

With a combined single limit for Bodily Injury and Property Damage of \$1,000,000 each occurrence, the coverage shall include Owned, Hired and Non-owned autos (Symbol 1 should be designed for Liability Coverage on Business Auto Policy).

C. **Excess Umbrella Liability:**

If General Liability and/or limits are lower than required in the above sections, Umbrella Liability or Excess Liability to the required limit is acceptable.

D. **Owners Protective Liability:** (on contracts for construction which exceed a cost of \$100,000).

With a minimum limit of \$1,500,000 each occurrence and 3,000,000 aggregate. Named insured shall be the Niagara Falls Water Board and the Niagara Falls Public Water Authority.

E. **Professional Liability:**

If the contract includes professional services (engineers, architects, etc.), contractor will carry professional liability insurance with a minimum limit of one million dollars (\$1,000,000).

F. **Property Insurance:** (if applicable)

Contractor shall purchase and maintain property insurance upon the work at or off the site to 100% of the contract completed value. This insurance shall include the interest of the Owner, Contractor and Subcontractors in the work; shall insure against the perils of fire and extended coverage; shall include "all risk" insurance for physical loss and damage including theft, vandalism and malicious mischief, collapse and water damage. All such insurance required by this paragraph shall remain in effect until the work is completed and accepted by the Owner.

G. **Statutory Workers' Compensation and Employers Liability:**

All contractors doing business with or vendors entering upon Niagara Falls Water Board property shall carry the above insurance, in compliance with the Workers' Compensation Law of the State of New York.

H. **Performance and Payment Bond: (where applicable)**

A performance and payment bond shall be issued by a Surety company who is licensed by the Insurance Department of the State of New York in favor of the Niagara Falls Water Board in the amount of not less than (100) percentum of the total amount and shall be delivered before commencement of lease or assumption of operations under contract.