

# ELMIRA WATER BOARD

Elmira, New York

Bids on estimated 2022 requirements for:

## POLYALUMINUM CHLORIDE (PAC)

will be received by the Elmira Water Board at its office at 261 West Water Street, Elmira, New York until 1:30 P.M., EST, on Wednesday, October 20, 2021, and at that time will be publicly opened and read.

The amounts below are estimates only and the quantities actually ordered will be needed to meet demands during 2022. The product shall be polyaluminumhydroxychlorosulfate, PCH 180 <sup>TM</sup> as manufactured by Holland Company, Adams, Massachusetts or a pre-qualified approved "Equal".

**Bids must be in sealed envelopes, ATTN: Denise Mullaney, and the quoted material designated on the outside of the envelope.** Standard Non-Collusive Bidding Certificate, Waiver of Immunity and Certification of Bidder regarding Equal Employment Opportunity must be signed and submitted with the bid.

The Board reserves the right to reject any or all bids and to re-advertise for new bids at its discretion. The Board also reserves the right to cancel the bid product at any time it believes the product has been changed, altered, or substituted with another product.

CERTIFICATION: The product that is bid must be pre-qualified based upon the results of in plant testing. And:

1. The product must be certified by the National Sanitation Foundation under Standard 60- Drinking Water Treatment Chemicals - Health Effects.

Amount            Approximately 60,000 gallons

Bid Amount       Price should be quoted in price per gallon delivered and should include any other charges (Superfund, shipping, insurance surcharge, etc.) associated with the purchase of this product.

Standard            Physical Description: Clear or slight haze liquid solution

Typical Specifications:

Specific Gravity	1.24 +/- .04
Al <sub>2</sub> O <sub>3</sub>	10.5% +/- .5%
Basicity	65% - 75%
pH	2.7 +/- .2
Sulfate	1.5 +/- .5%
Chlorides	10% - 13%

Certifications: Certified by NSF to conform to ANSI/NSF Standard 60

OTHER IMPURITIES: Further to the specifications listed above, the VENDOR shall ensure that polyaluminumhydroxychlorosulfate 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 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 NSF 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

PERFORMANCE: The product must have demonstrated the in-plant ability to perform effectively under the following conditions:

- A. All turbidity ranges
- B. All water temperatures ranges
- C. PH ranges between 6.0 to 10.0
- D. Different raw water chemical parameters

PRE-QUALIFICATION: The product that is bid must be pre-qualified based upon the results of the Elmira Water Board Filtration Plant's in plant testing.

1. Jar Testing conducted by Manufacturer's representative will be observed by an Elmira Water Board's Filtration Plant representative.
2. Elmira Water Board's Filtration Plant representative will perform their own internal Jar Testing with Manufacturer's supplied chemical. Approximately 1 liter to be supplied by the Manufacturer.
3. Once we, The Elmira Water Board, are satisfied and both parties agree to proceed, we will conduct in plant testing at the Elmira Water Board's Filtration Plant.
4. Manufacturer will supply 1,000 gallons for in plant testing at a delivered price equal to ½ of our current bid price. We will run product in half of our coagulation process at various times over various turbidity ranges including a high turbidity event to compare performance of product with our current product.
5. All in plant testing will be approved by the Chief Water Treatment Operator.

PRODUCT EVALUATION AT THE WATER TREATMENT PLANT: Bids will only be accepted from bidders pre-qualified, based on a twenty (20) day in-plant testing authorized by the Chief Water Treatment Plant Operator. Qualified bidders will remain qualified as long as no changes have been made to the product that was tested.

Vendor will be responsible for supplying chemical, chemical feed pumps, storage equipment, pilot plant, chemical analysis and all personnel to complete testing. This testing will be done for twenty (20) days at no cost to the Elmira Water Board.

Bidders must provide three (3) references who have used the specified product for at least one (1) year.

TECHNICAL SUPPORT: The VENDOR is required to have competent technical support representatives that

are intimately familiar with water treatment at the Elmira Water Board Treatment Plant. The vendor is required to have the ability to have a competent technical support representative on site within three (3) hours. Further, the VENDOR shall identify staff that through either several years' experience or training or both in water treatment operations, chemistry, and/or engineering have demonstrated knowledge of water treatment plant operations, in particular, coagulation and filtration practices. Such list shall accompany the bid document.

**DELIVERY:** All deliveries must be made in dedicated tanker/containers used exclusively for the shipment of polyaluminumhydroxychlorosulfate solution to maintain product integrity and purity.

**Each delivery will include the lot sample and certificate of analysis for that lot, as well as a current safety data sheet.**

**Vendor must have the capabilities to deliver product within forty-eight (48) hours.**

**Provide copy of NSF certification.**

Further, all deliveries of this product shall be to the Filtration Plant, 1 Fountain Drive, Elmira, New York between the hours of 7:00 AM to 3:00 PM, Monday through Friday unless otherwise stated on the purchase order.

Deliveries will be by bulk tanker in quantities requested by the Elmira Water Board not to exceed five thousand (5,000) gallons. The truck is to be equipped with pumping equipment, hoses, hose connections and an air blow-off valve to unload into the Elmira Water Board's bulk storage tank.

**INVOICING:** Invoices must be in the same unit of measurement as quoted on bid sheet.

## PROPOSAL

It is to be noted that the quantities hereinafter listed are for bidding purposes only and may be increased or decreased by the owner, at his option. The successful bidder shall agree to provide those materials at the unit prices quoted from the date of bid award to December 31, 2022.

The undersigned declares that they have examined the instructions to the bidder within the attached materials. Hereby bidder agrees to furnish and deliver those materials upon which bids have been submitted. Hereby the undersigned also agrees to deliver said product at the time, location and in quantities so directed by the Elmira Water Board, at the unit price (s) hereafter quoted.

Bidders price should not include sales tax. The Elmira Water Board is a political subdivision of the State of New York and not subject to sales tax.

**THE ELMIRA WATER BOARD RESERVES THE RIGHT TO REJECT ANY OR ALL BIDS AND ACCEPT THE BID DEEMED TO BE IN THE BEST INTEREST OF THE BOARD.**

Date \_\_\_\_\_

Item

polyaluminumhydroxychlorosulfate  
Estimated Annual Requirements - 50,000 gal

\_\_\_\_\_  
Unit Price per gallon

\_\_\_\_\_  
Firm or Corporation

\_\_\_\_\_  
Business Address

\_\_\_\_\_  
City

\_\_\_\_\_  
State

\_\_\_\_\_  
Telephone

\_\_\_\_\_  
Email Address

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Title