



Bid# 2678 Water Treatment Plant Chemicals

Addendum 1

AMENDMENT FOR LIQUID POLYPHOSPHATE

1. The company submitting this bid agrees to deliver to the Hillgrove Water Treatment Plant, 55 Palaside Dr., Concord, North Carolina, approximately 98,000-110,700 lbs. or 31-35 250 gal. IBC totes of Liquid Polyphosphate, as ordered, for twelve (12) months beginning July 1, 2025.

-Please use the following pricing page for submission of Liquid Polyphosphate bid.

SPECIFICATIONS FOR LIQUID POLYPHOSPHATE

The company submitting this bid agrees to deliver to the Hillgrove Water Treatment Plant, 55 Palaside Dr., Concord, North Carolina, approximately 98,000-110,700 lbs. or 31-35 250 gal. IBC totes of Liquid Polyphosphate, as ordered, for twelve (12) months beginning July 1, 2025. Each order will be placed, as needed approximately 12,650 lbs. or 4 totes at 1 month intervals. Delivery quantity shall not exceed a maximum of 4 totes.

The product must conform to AWWA standards for drinking water and be listed with the National Sanitation Foundation. It will be the responsibility of the bidder to establish the quality of the product offered by providing an affidavit to demonstrate conformance with the specifications listed below upon request.

1. Product must be able to function as a coagulation aid in the treatment process.
2. Product must sequester iron and manganese over a temperature range from five (5) degrees to one hundred (100) degrees Centigrade, and have a shelf life in excess of two (2) years.
3. Product must function as a corrosion inhibitor without the presence of zinc.
4. Product must be able to remove existing deposits without causing any major cosmetic / quality problems to the end user (City water customers).
5. Product must not increase bacteria colony counts in the distribution system and also not increase system chlorine demand on maintenance dosage.
6. Product must be a liquid and not precipitate out during handling and storage.
7. Product must have a pH range between 4 and 5 and not have harmful effect on water plant personnel due to application or end user due to consumption.
8. Successful bidder must provide application instructions and provide quarterly water analysis to monitor and verify performance of product upon request.**
9. Product and supplier must have a successful history of use in municipalities of similar size for a period of at least five (5) years.

Form: Liquid

Grade: Food Grade

Specific Gravity: Minimum 1.36 Weight:
Minimum 11.4 lbs. per gal.

Odor: None

Appearance: Clear Liquid

pH: 4 to 5 +/- 0.3

Solubility: Must be 100%

Boiling Point: Above 99 degrees Centigrade

Shelf Life: In excess of two (2) years

Freeze/Thaw Recovery: Complete

*Phosphate Content (as PO 4): 18%

*Orthophosphate Content (as PO 4): 18%

**Methods by which these values are obtained must be stated herein on a separate sheet and submitted with the bid. Should verification become necessary, samples will be sent to an independent laboratory and all costs incurred will be borne by the bidder. This analysis must include, but not limited to pH, total hardness, total iron, total manganese, orthophosphate and total phosphate.

Analytical procedures for determining these values must be methods as approved by the U.S. EPA and are found in Standard Methods for the Examination of Water and Wastewater. Any other test procedures are not acceptable and submittal of such will be cause for rejection of bid.

All prices must be FOB delivered to the Hillgrove Water Treatment Plant within 15 days of the effective date of this contract, and that all future orders can be delivered within 5 days of placement of order. All deliveries are to be made Monday through Friday between 8 A.M. and 12 P.M. No holiday delivery. Delivery personnel will be required to follow all OSHA PPE requirements. Any spills or leaks are to be cleaned up by the vendor and there will be no onsite disposal. Empty pallets and drums will be collected by the driver and returned to the vendor. **The supplier and or transporter must fax a copy of the driver license of the delivery driver, the manufacturer seal number of the product and the trailer identification number to the plant before deliveries will be accepted.**

Deliveries to the Hillgrove Plant will require a short(box) delivery truck. No full-length trailers will be accepted. Drums must not be on pallets and carrier is responsible for delivery on to the plant dock. City employees do not enter the truck.

The supplier must submit with his bid, a certificate of insurance carried as liability in the transport and sale of Liquid Polyphosphate.

The City of Concord reserves the right to modify quantities purchased under this contract to meet its needs. Upon mutual written agreement between the vendor and the City the contract may be extended for additional periods.

Bid unit price per pound of product \$ Base bid
(Bid unit price per pound x lbs. approximate annual need) \$

This contract will be awarded to the lowest responsible bidder whose bid complies with all of the provisions of this document. The City reserves the right to reject any and all bids, waive technicalities, and will be the sole judge of suitability of the merchandise for the use by the City for intended purposes.