

GENERAL CONDITIONS FOR ORTHO-POLYPHOSPHATE MARCH 2026

I. CONTRACT PERIOD

The period of this contract will be for **one hundred eighty (180) days** from the date the bid is awarded. This contract may be renewed for up to **three (3) years** from the initial award date upon the agreement of both parties. The bid price will remain firm during the period of the contract.

II. DELIVERY

Deliveries shall be made within seven (7) working days from the order date. The vendor shall notify the Water Plant Operator or Shelby County Water Services personnel (the person who ordered the product) of any problems in meeting the mandatory seven (7) working day deadline. The vendor must schedule a specific delivery day and time with personnel if the deadline is not met. Excessive failure to deliver within seven (7) working days shall be grounds for rejection of the vendor for future purchases at the sole discretion of Shelby County.

All quoted prices shall include delivery charges. Deliveries shall be made to either of the following locations:

**Shelby County South Water Treatment Plant
7935 Hwy 61
Wilsonville, AL 35186**

**Talladega/Shelby Water Treatment Plant
289 Coosa Industrial Park First Road
Childersburg, AL 35044**

III. CHEMICAL DELIVERIES

Deliveries of totes and/or bulk shall be made to either of the water treatment plants in accordance with plant operator instructions at the Talladega/Shelby Water Treatment plant located near Childersburg and at the Shelby County South Water Treatment Plant located in Wilsonville. Orders may include one or more delivery sites.

For all bulk deliveries of chemicals, the supplier shall provide all necessary hoses and fittings to safely offload the product into the designated tanks by plant personnel. Prior to the first delivery, the supplier needs to visit the site to understand the layout and what hoses and fittings will be needed for deliveries. Rejection of an unacceptable delivery method shall not excuse the vendor from the seven (7) working-day delivery requirement.

Drivers shall not make connections or initiate offloading procedures until authorized by the plant operators. Drivers will be required to wear protective clothing and equipment in accordance with OSHA rules during product unloading. The Driver will monitor unloading and discontinue delivery if a problem develops.

The supplier shall be responsible for the cleanup of any spills resulting from the delivery or during the product's unloading.

IV. **BILLING**

Billing and payments shall be based solely on the total certified weight ticket and the vendor's stated bid price. **The product shall be billed in pounds of product shipped, and all prices shall include shipping.** Shelby County Water Services requires a Purchase Order for every order placed. Shelby County Water Services is tax-exempt.

All invoices shall be billed to:

**Shelby County Water Services
10927 Highway 280
Sterrett, AL 35147**

ap-water-landfill@shelbyal.com preferred method of delivery.

V. **ESTIMATED ANNUAL USE**

Products will be ordered on an **AS-NEEDED** basis. Minimum quantities for chemical orders, other than bulk orders, may be one (1) tote or one (1) pallet. Estimated quantities for the product are:

- Annual use is approximately 100,000 pounds per year.

VI. **BID QUALIFICATIONS**

All BIDDERS must submit product information with bids. Information to be submitted must show that the product proposed meets all the specifications listed in the Bid Specifications and list **ALL EXCEPTIONS** to the specifications in a separate document. Failure to submit these exceptions may be cause for disqualification.

BID SPECIFICATIONS
ORTHO-POLYPHOSPHATE BLEND LIQUID
MARCH 2026

- A. The Ortho-Polyphosphate Blend Liquid (product) shall be an effective sequesterant and scale/corrosion inhibitor for the filtered water. The PRODUCT shall provide optimum corrosion protection for the distribution system. The material shall be Quantichem 436 or equal as determined by Shelby County. The PRODUCT shall be completely soluble in water.
- B. The PRODUCT must be NSF Standard 60 approved for use as an additive to potable water. Proof of NSF certification for the site of manufacture and the blending site should be supplied with the bid documents. If the bidder is not the original manufacturer, the original manufacturer must be identified and NSF certification provided for the manufacturer's plant. If this certification is not furnished with the bid, it must be furnished within five (5) days of request by Shelby County. Failure to submit proper and correct documentation within the allotted time shown above is grounds for rejection of the bid.
- C. PRODUCT shall be a 50/50 blend of Orthophosphate and Polyphosphate by weight with the following typical properties:
 - a. Specific Gravity: 1.3 – 1.4 @ 15.5°C
 - b. Phosphate Content (as PO₄): 36% ± 1% by weight
 - c. Polyphosphate Content (as PO₄): 18% ± 1% by weight
 - d. Orthophosphate Content (as PO₄): 18% ± 1% by weight
- D. PRODUCT must function as a corrosion inhibitor by lowering the corrosivity of distributed water to iron, manganese, lead, and zinc. Phosphate supplied must be effective in control of lead and copper corrosion to the extent that the established 90th percentile level of lead remains below 5 micrograms per liter and 0.65 milligrams per liter for copper. At no time shall the action level for lead and copper be exceeded during the proper application of this PRODUCT.
- E. PRODUCT must contain no bimetals, such as zinc, and have a pH range of 5.0 – 7.0.
- F. Use of the product must not cause increased bacterial counts in the distribution system or cause increased bacterial regrowth, as measured by HPC.
- G. PRODUCT must not increase the chlorine demand in the distribution system.
- H. Bidder must furnish with the bid a Certificate of Analysis from an independent third-party laboratory certified by EPA in their home state for SDWA, or NPDES compliance analyses. Bidder certification by its own laboratory is not acceptable. The Certificate of Analysis sheet(s) must either accompany the completed bid package or be furnished with five (5) days notification by Shelby County. Failure to furnish the sheet(s) within the five (5) day period will be just cause for removal of the bid from further consideration.
- I. All shipments must be handled in compliance with all DOT and EPA regulations for the transport and handling of the material.
- J. Actual laboratory analysis of percentage PO₄ must accompany bills of lading for each shipment.

BID SPECIFICATIONS - Continued
ORTHO-POLYPHOSPHATE BLEND LIQUID
MARCH 2026

- K. Supplier should furnish current Material Safety Data Sheets with bid response.
- L. Local service is required during the contract period in support of chemical usage. Identify the name, address, and phone number of the individual responsible for technical assistance and service.
- M. A certified weight ticket showing gross, net, and tare weights shall accompany each shipment.