

CITY OF ALLIANCE, OHIO
2023 CHEMICAL BIDS
2nd QUARTER

SPECIFICATIONS FOR

ALAN ANDREANI, Ed. D.
Mayor of Alliance

Michael Dreger, Director
Public Safety & Service

***Delivery Location of Water Treatment and Wastewater Treatment Plants:**
12251 Rockhill Avenue N.E.
Alliance, OH 44601

2nd QUARTER 2023 WATER/WASTEWATER TREATMENT SPECIFICATIONS

Caustic Soda, Liquid

Liquid caustic soda shall contain approximately 50% sodium hydroxide (NaOH) and meet or exceed the current effective American Water Works Association Standard B501. Liquid caustic soda shall be shipped by tank truck into a 10,000-gallon storage tank through a 3" delivery line/connection at the Water Treatment Plant unloading site or into a 6,500-gallon storage tank through a 2" delivery line/connection at the Wastewater Treatment Plant.

Activated Carbon, Powdered Minimum 1100 Iodine Number

Activated carbon shall be shipped in bulk. PAC shall be shipped by tank truck for delivery into a 4,100 cubic foot silo through a 4" fill pipe with a male cam and groove adapter connection at the plant unloading site. Transfer pressure from the conveying truck should not exceed 10 psig.

Powdered activated carbon shall meet the following minimum specifications:

- Suitable for purification of potable water and industrial water applications;
- Meets AWWA standards;
- Certified by ANSI-NSF, standard 61;

Type – Bituminous Coal or mixture with wood

Iodine Number -- %min. = 800 by ASTM D4607

Moisture -- %max. = 8 by ASTM D2867

Mesh Size – 99% min. 100 Mesh US, 95% min. 200 Mesh US, 90% min. 325 Mesh US, by ASTM D5158

Bulk Density – 0.42 – 0.48 g cm-3 by ASTM D2854

Ash – 10% max, by ASTM D2866

Abrasion Number – 90% min. by ASTM D3802

Activated Carbon, Powdered Minimum 1100 Iodine Number

Activated carbon shall be shipped in 50-pound bags on a standard 3.5' x 3.5' wood pallet. Pallets shall contain not less than 20 bags (1,000 lbs.) and not more than 40 bags (2,000 lbs.). The bags shall be dry and in good condition and protected from the weather in transit. Normal shipment shall be for a minimum of three tons.

Powdered activated carbon shall meet the following minimum specifications:

- Suitable for purification of potable water and industrial water applications;
- Meets AWWA standards;
- Certified by ANSI-NSF, standard 61;

Type -- Wood

Iodine Number -- %min. = 1100 by ASTM D4607

Moisture -- %max. = 8 by ASTM D2867

Mesh Size – 99% min. 100 Mesh US, 95% min. 200 Mesh US, 90% min. 325 Mesh US, by ASTM D5158

Bulk Density – 0.42 – 0.48 g cm-3 by ASTM D2854

Ash – 10% max, by ASTM D2866

Abrasion Number – 90% min. by ASTM D3802

Phosphoric Acid

The material shall be 75% Technical Grade in liquid form. Delivery will be by tote or bulk tank truck and pumped off. Approximate use: 9000 gallons.

Hydrogen Peroxide

Hydrogen peroxide shall be an aqueous solution of 50% by weight. The material shall meet or exceed all standards set by NSF/ANSI 60 for potable water. The material shall be delivered in bulk quantities of between 1,000 and 2,200 gallons into a 2,500-gallon bulk tank through a 2" quick disconnect connection/ delivery line at the Water Treatment Plant unloading site.

PROPOSAL FORM FOR 2nd QUARTER CHEMICALS 2023

Unit Bid for 3 months
April 1, 2023 – June 30, 2023

	<u>Quantity</u>	<u>Unit</u>	
Caustic Soda, Liquid	150,000	gallon	_____
Bulk Powdered Activated Carbon			
Minimum 1100 Iodine #	25	tons	_____
Bagged Powdered Activated Carbon			
Minimum 1100 Iodine #	15	tons	_____
Phosphoric Acid	9,000	gallon	_____
Hydrogen Peroxide	6,000	gallon	_____

BIDDER: _____

ADDRESS: _____

PHONE: _____ **FAX:** _____

EMAIL ADDRESS: _____

PRINTED SIGNATURE: _____

AUTHORIZED SIGNATURE: _____

TITLE: _____

GENERAL TERMS AND CONDITIONS

1. Special conditions included in the Bid Document shall take precedence over any general provisions hereinafter set forth.
2. Unless otherwise stated by the bidder the proposal will be considered as being in strict accordance with the specifications outlined in the Bid Document. References to a particular trade name, manufacturer's catalog or model number are made for descriptive purposes to guide the bidder in interpreting the requirements of the City only. They should not be construed as excluding proposals on other types of materials, equipment and supplies as equal to that specified. However, the bidder, if awarded a contract, will be required to furnish a particular item referred to in the specifications or description unless a departure or substitution is clearly noted and described in the proposal and approved by the Safety Service Director's Office.
3. All exceptions to the specifications must be clearly defined in supplemental information submitted with the bid. Any additional information the prospective Bidder believes is relevant to awarding a contract may be included. Descriptive literature may be included where applicable.
4. The materials needed are to be purchased between April 1, 2023, and June 30, 2023. The quantities shown are estimated quantities and are not intended to be the actual amount purchased. The estimated quantities are shown only to serve as a guide in helping the bidder know the approximate quantity involved.
5. Prices bid for each item shall include delivery to Alliance Wastewater and Water Treatment Plants.
6. Quotations to include all charges for delivery, F.O.B. Destination-Freight Prepaid and inside delivery, unless otherwise stated by the bidder in Bid Document. **THE CITY IS EXEMPT FROM ALL FEDERAL AND STATE TAXES.**
7. Payments for materials will be made monthly upon receipt of invoices for materials delivered during previous months.
8. **BE SURE TO INSERT UNIT PRICES AND CARRY OUT EXTENSIONS.** Errors or omissions could result in your bid being declared "**invalid**". In case of an error in extension of prices, the unit price will govern. All quoted bid prices must be firm, as no price adjustment will be allowed on the purchase order.
9. Sealed bids will be received by the Director of Public Safety and Service as indicated on the attached legal notice. Bidders may submit a proposal for any of the various items for which bids are requested. Proposals must be made on the form attached.
10. Verbal instructions given by any of the Officers, Agents, or Employees of the City shall not be binding upon the City. Instructions in writing only, from the Safety Service Department of the City of Alliance, shall be binding.
11. The Bidder agrees, if awarded the contract, to deliver the quantity awarded, as instructed, and that all articles shall be subject to the inspection and approval of the City. In the event that any of the said articles should be rejected as unsuitable or not in conformity with these specifications, such articles shall at once be removed and other articles of proper quality as set forth in these specifications shall be furnished in place thereof, all at the expense of the successful bidder.
12. In the case of non-compliance by the successful bidder, the City retains the right to cancel the awarded contract at any time during the contract period.

Prices bid are for 3 months, Beginning on April 1, 2023, ending on June 30, 2023.