

SPECIFICATIONS

for

**Bulk Chemicals for Medina County
Water and Wastewater Treatment Facilities**

August 2022

INVITATION TO BID

Separate sealed bids for **Bulk Chemicals for the Medina County Water and Wastewater Treatment Facilities** will be received by the Medina County Sanitary Engineer, Medina County, Ohio in their office located at 791 W. Smith Road, Medina, Ohio until 1:30 PM, OHIO TIME, **Friday, August 26, 2022**, at which time said bids will be opened and publicly read aloud.

Specifications and information to bidders for Bulk Chemicals (Liquid Chlorine and Sodium Hypochlorite) are available at the Medina County Sanitary Engineering Department, 791 W. Smith Road, Medina, Ohio 44256.

Each bid must be accompanied by a Bid Guaranty, payable to the owner in an approved form.

The Board of County Commissioners reserve the right to reject and/or accept any or all bids.

This notice may be viewed on the Medina County website at www.co.medina.oh.us or www.sanitaryengineer.co.medina.oh.us.

Board of Medina County Commissioners

William F. Hutson
Stephen D. Hambley
Colleen M. Swedyk

Medina County Gazette: **Friday, August 5, 2022**

INFORMATION TO BIDDERS

Each bid must be submitted in a sealed envelope, addressed to the Board of County Commissioners and clearly marked, **BULK CHEMICALS**.

Each bidder is responsible for reading and being thoroughly familiar with the specifications. Failure or omission of any bidder to do any of the foregoing shall in no way relieve any bidder from obligation with respect to his bid. **A CONDITIONAL OR QUALIFIED BID WILL NOT BE ACCEPTED.**

All bids must be submitted on the required bid form, either in ink or typewritten and the bid form must be fully completed and executed when submitted.

The bulk chemicals will be delivered to any of the following sites:

Liverpool Wastewater Treatment Plant
89 Columbia Road, Valley City, Ohio

Hinckley Wastewater Treatment Plant
85 Ridge Road, Hinckley, Ohio

Chippewa Lake Wastewater Treatment Plant
5750 Kennard Road, Chippewa Lake, Ohio

Chippewa Lake Water Treatment Plant
7090 Lake Road, Chippewa Lake, Ohio

Crocker Road Pump Station
7450 Crocker Road, Valley City, Ohio

Spieth Road Pump Station
8141 Spieth Road, Litchfield, Ohio

Westfield Water Treatment Plant
7064 Greenwich Road, Westfield Center, Ohio

Each bid must be accompanied by a bid bond, payable to the owners, County of Medina, for 5% of the total amount of the bid. As soon as the bid prices have been compared, the OWNER will return the bonds to all, except the lowest and most responsible bidder(s). The bid bond of the successful bidder(s) will be retained until a performance bond has been executed and approved, after which it will be returned. A certified check may be submitted in the amount of \$100.00 per chemical bid in lieu of a bid bond.

The performance bond, in the amount of 10% of the contract price, with a corporate surety approved by the owner, will be required for the faithful performance of the contract requirements.

Attorneys-in-fact, who sign bid bonds and performance bonds must file with each bond, a certified and effective dated copy of their power of attorney.

All bid prices shall include shipping and/or freight costs and will be effective for nine (9) months beginning **September 12, 2022 and ending on June 13, 2023.**

The Board of County Commissioners reserve the right to reject or accept any or all bids if evidence submitted by or investigation of, such bidder(s) fails to carry out the obligations of the agreement and to complete the work contemplated therein.

SPECIFICATIONS FOR LIQUID CHLORINE

1. Shall be commercially available in the form of liquified elemental chlorine gas.
2. Shall be 99.5% pure by volume, as obtained from vaporized liquid chlorine and shall be suitable for use at Water and Wastewater Treatment Facilities.
3. Shall be free from excessive concentration of impurities such as Bromine, Nitrogen Tetroxide, Silicon, Tetra Chloride and Sulphuric Acid.
4. Shipping containers shall conform with regulations of the Interstate Commerce Commission. Containers shall be new or reconditioned, maintained and loaded in strict accordance with the latest edition of "Container Procedures at Chlorine Packaging Plants", issued by the Chlorine Institute, Inc. Delivery to facilities shall be in open top trucks or semi-trailers for unloading purposes. When delivered, must meet specific codes of Industrial Commission, Division of Safety and Hygiene of the State of Ohio.
5. Shall conform in all respects with the AWWA Standard #B301-59 for liquid chlorine as issued in the American Waterworks Association.
6. Delivery guarantee will be within 72 hours of placing the order, to the facility placing the order. All deliveries shall be scheduled between 9:00am - 11:30am or 1:00pm - 3:30pm. NO WEEKEND DELIVERIES ACCEPTED. Semi-trucks not permitted at water facilities. Minimum two (2) hour notification prior to delivery must be given to the MCSE Administrative Office.
7. Empty Chlorine Cylinders must be picked up within 72 hours of request.
8. Minimum orders will be placed and will include at least four (4) 150 lb. Cylinders and/or a minimum of one (1) ton cylinders per delivery.
9. Estimated annual purchase is one hundred ten (110) one (1) ton cylinders and one hundred (100) 150 lb. cylinders.
10. Bid shall include annual chlorine handling training by the supplier.
11. **All bid prices submitted shall include shipping and/or freight costs. Contract Award shall be for a nine (9) month period commencing on September 12, 2022.**

SPECIFICATIONS FOR SODIUM HYPOCHLORITE

1. Shall be commercially available in liquid form, having a 12% to 16% available chlorine packaged in five (5) gallon containers or 2.5 gallon containers, and suitable for use at water treatment facilities.
2. Shipping containers shall conform with regulations of the Interstate Commerce Commission. Containers shall be new or reconditioned, maintained and loaded in strict accordance with the latest edition of "Container Procedures at Chlorine Packaging Plants", issued by the Chlorine Institute, Inc. Delivery to facilities shall be in open top trucks or semi-trailers for unloading purposes. When delivered, must meet specific codes of the Industrial Commission, Division of Safety and Hygiene of the State of Ohio.
3. Shall conform in all respects with the AWWA Standard #B300-99 for Hypochlorites as issued in the American Waterworks Association.

The Sodium Hypochlorite solution (NaOCl) provided under this contract shall be a clear light-yellow liquid containing up to 160 g/L (16 trade percent), but not less than 100 g/L (10 trade percent) available chlorine, and not more than 0.15% insoluble matter by weight. This material should be certified and clearly labeled as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals-Health Effects.

4. All deliveries shall be scheduled between 9:00am - 11:30am or 1:00pm - 3:30pm. **NO WEEKEND DELIVERIES ACCEPTED.** If delivery cannot be made by 3:30pm, delivery will have to be made the next day. **DO NOT LEAVE SODIUM HYPOCHLORITE OUTSIDE AFTER HOURS.** Semi-trucks not permitted at water facilities. Minimum two (2) hour notification prior to delivery must be given to the MCSE Administrative Office.
5. **MINIMUM ORDERS WILL INCLUDE AT LEAST 30 - FIVE (5) GALLON CONTAINERS OR AT LEAST 60 - 2.5 GALLON CONTAINERS.**
6. Estimated annual purchase is three hundred (300) five (5) gallon containers or six hundred (600) 2.5 gallon containers.
7. Delivery guarantee will be within 72 hours of placing the order, to the facility placing the order.
8. **All bid prices submitted shall include shipping and/or freight costs. Contract Award shall be for a nine (9) month period commencing on September 12, 2022.**

**LIQUID CHLORINE
BID PROPOSAL**

Price per 150 lb. Cylinder: _____/150 lb. Cylinder

Price per One (1) Ton Cylinder: _____/Ton Cylinder

COMPANY NAME: _____

COMPANY ADDRESS: _____

PHONE NUMBER: _____

SIGNATURE/TITLE: _____

PRINTED NAME/TITLE: _____

DATE: _____

**SODIUM HYPOCHLORITE
BID PROPOSAL**

Price per Five (5) Gallon Container: _____/Five (5) Gallon Container

Price per 2.5 Gallon Container: _____/2.5 Gallon Container

(Minimum orders delivered - 30 - Five (5) gallon containers or 60 - 2.5 gallon containers)

COMPANY NAME: _____

COMPANY ADDRESS: _____

PHONE NUMBER: _____

SIGNATURE/TITLE: _____

PRINTED NAME/TITLE: _____

DATE: _____