



Invitation for Bid No. 2023-0025

Yadkin River Water Treatment Plant Chemicals
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ADDENDUM No. 2

ISSUE DATE: February 8, 2023

Responding Bidders on this project are hereby notified that this Addendum shall be made a part of the above named IFB document.

The following items add to, modify, and/or clarify the IFB documents and shall have the full force and effect of the original Documents. This Addendum shall be acknowledged by the Offeror in the IFB document.

A) Delete/Replace/Add

1. Section 10, Appendix A – Price Form, Page #27

Delete: in its entirety

Replace with: Attached Addendum #1 Price form

2. Section 7 Specifications

Add: 7.19 Sodium Hypochlorite 12% Trade/10% Weight

Estimated “First Fill” Requirement: 30,000 gallons

Estimated Annual Quantity: 80,000 gallons

Delivery Method: Tanker

Physical Requirements: Color should be clear yellow or greenish; have a pungent chlorine odor; be 100% soluble in water; and free of suspended matter.

Chemical Specification: The product must be 10% chlorine by weight. This product must meet or exceed the specifications of the water purification division of the American Water Works Association for potable water (ANSI/AWWA B300-99). Successful bidders shall include a statement of compliance stating conformance to the above referenced AWWA standard. This product is certified for potable water use by **NSF International** for Disinfection & Oxidation. The finished drinking water should be monitored for disinfection by-products in accordance with state and U.S. EPA regulations and guidelines.

Delivery Requirements: These will be full tanker loads. The Sodium Hypochlorite shall be shipped in approximately 4,000 to 5000 gallon lots in specially equipped tank trucks, which are unloaded by hose by means of a pump or a compressor which is mounted on the delivery truck. Hose used for transfer must be securely capped during transportation. Worn or damaged hoses will not be accepted for use during transfer. Supplier shall provide sufficient hose for each delivery location. Drivers are responsible for all PPE associated with offloading. The Supplier is responsible for ensuring pressure gauges on delivery trucks are functional prior to delivery. Supplier is also responsible for ensuring delivery trucks discharge at the appropriate pressure. Refer to section 7.8 “Deliveries”.

Impurities: The hypochlorite supplied under this standard shall contain no soluble materials or organic substances in quantities capable of producing deleterious or injurious effects on the health of those consuming water that has been treated properly with the hypochlorite.

The maximum metal contents are:

- a. Mercury <1.0 mg/L

- b. Copper <0.050 mg/L
- c. Nickel <0.050 mg/L
- d. Iron <0.100 mg/L

Maximum Calcium content shall be no greater than 1.0 mg/L and maximum Magnesium content shall be no greater than 3.0 mg/L. Refer to section 7.6 "Purity".

Utilization Location: Yadkin River Water Treatment Plant

- 3. Section 7.15 Chemical Specification – Ammonium Sulfate 40%, Chemical Specifications

Add: ...and shall be in accordance with American National Standards Institute/American Water Works Association standard for ammonium sulfate - liquid, ANSI/AWWA B302-16, or latest revision and shall be approved by the National Sanitation Foundation (NSF) for use in drinking water treatment.

- 4. 8.4 Award, page #16

Delete: All references to initial one-year term

Replace with: 6-month initial term

- 5. 8.6 Price Escalation, 8.6.2, page #17

Delete: ~~Three (3) months~~

Replace with: Six (6) months

- 6. Section 7 Specifications. 7.16 Chemical Specification – Ortho-Polyphosphate 40%

Delete: Delivery Method: ~~Tote/Tanker~~

Replace with: Delivery Method: Tanker Only

Delete: Delivery Requirements: The Ortho-Polyphosphate blend shall be shipped in specially equipped tankers, ~~or totes depending on quantity required~~

Replace with: The Ortho-Polyphosphate blend shall be shipped in specially equipped tankers only.

Add: The Yadkin WTP has 1 tank with a 6100-gallon capacity for Ortho-Polyphosphate.

B) **Questions and Answers**

- 1. **Question:** Can we please get the current pricing and previous bid tab results of the last bid

Answer: N/A

2. **Question:** Is this Union County's first-time bidding for Yadkin River water treatment chemicals

Answer: Yes

3. **Question:** Who is your current supplier for Ortho Polyphosphate 40%

Answer: N/A

4. **Question:** Does your current supplier meet the delivery lead time of 5 days ARO as stated in the bid?

Answer: N/A

5. **Question:** What container does your current supplier deliver in?

Answer: Delivery requirements are listed in the IFB

6. **Question:** How much product do you plan to order for each delivery?

Answer: Based on projections we will use less than 1000 gallons/month at 6.3 MGD

7. **Question:** Please provide current supplier and price for Aluminum Sulfate and Ammonium Sulfate

Answer: N/A

8. **Question:** Can you please forward the previous year's bid tabulation for the Water Treatment Chemicals

Answer: N/A

9. **Question:** The bid requests a price for totes and truckloads of phosphate. Will you accept two different prices?

Answer: Refer to Section A) Delete/Add/Replace, Item #8

10. **Question:** How many totes will be taken per delivery?

Answer: Refer to Section A) Delete/Add/Replace, Item #8

11. **Question:** My first question is about the specs for the ammonium sulfate. There is a byproduct /coproduct on the market in NC which my customers wish to keep out of their

water. Your spec does not prevent you from using this material. I just wanted to make you aware there is a byproduct / coproduct that is made from caprolactum waste. You can look at the attachment to see how this waste comes about and decide if you want this in your drinking water. Also, I have attached a spec written by one of my customers to prevent this LAS that is made from caprolactum or nylon waste from getting in their water plant. I just wanted to make you aware of this in case you wanted to adjust your bid specs.

Answer: Refer to Section A) Delete/Add/Replace, Item #3

12. **Question:** Also, my second question is about the award period. 8.5 In the first line it says the term is 6 months however in the 3rd line it says the price is fixed for the initial year term. So, are you asking for a firm 1-year price or a 6 months firm price?

Answer: Refer to Section A) Delete/Add/Replace, Item #4

13. **Question:** What is the estimated date that the plant will begin accepting shipments of Item #2 Sodium Hydroxide and Item #3 Sodium Hypochlorite?

Answer: Currently the date is set for May 5th, 2023, but subject to change

14. **Question:** Item #2 Sodium Hydroxide, a full truck load for us is 4,000 gallons. We are able to offer a lower price when full truck loads are taken. Would the plant be able to order that amount per delivery?

Answer: Yes, bulk tanks are 8500 gallons

15. **Question:** Item #3 Sodium Hypochlorite, a full truck load for us is 4,500 gallons. We are able to offer a lower price when full truck loads are taken. Would the plant be able to order that amount per delivery?

Answer: Yes, bulk tanks are 15,000 gallons.

16. **Question:** Renewal options- Will we have the right to decline to renew if we wish?

Answer: Yes.

17. **Question:** There seems to be conflicting time periods for firm pricing. #8.4 states firm for initial year. #8.6.1 states firm for initial six months. #8.6.2 states escalation considered after initial three months. Please clarify.

Answer: Refer to section A) Delete/Replace/Add, Item #4 & #5

Attachments – Addendum # 2 Price Form

END OF ADDENDUM No.1

10 APPENDIX A – PRICE FORM

Addendum #2 Price Form

IFB No. 2023-025

Yadkin River Water Treatment Plant Chemicals

Submitting firms need not bid on all items for consideration.

The undersigned proposes to furnish the following items in strict conformance to the bid specifications and bid invitation issued by Union County for this bid. The undersigned hereby certifies that this bid is made without prior understanding, agreement or connection with any person(s), firm(s) or corporation(s) making bids or proposals.

The bidder further certifies that he is not suspended or debarred from bidding by any federal, state, or local agency. Any exceptions are clearly marked in the attached copy of bid specifications.

SUBMIT WITH BID

Failure to complete the following form(s) shall result in your Bid being deemed nonresponsive and rejected without any further evaluation.

The award will be made to the lowest, responsive, responsible bidder based on the Price per Gallon for each line item. Actual quantities purchased may be more than or less than estimated quantities. The price quoted shall be good for any quantity.

Line Item	Chemical Description	Estimated "First Fill" Plus Estimated Annual Quantities	Unit of Measure	Delivery Method	Price per Gallon
1	Aluminum Sulfate 48%	175,000	Gallons	Tanker	\$
2	Sodium Hydroxide 25%	166,000	Gallons	Tanker	\$
3	Sodium Hypochlorite 10%	110,000	Gallons	Tanker	\$
4	Hydrofluosilicic Acid 23%	18,300	Gallons	Tanker	\$
5	Ammonium Sulfate 40%	42,200	Gallons	Tanker	\$
6	Ortho-Polyphosphate 40%	24,000	Gallons	Tanker	\$
7	Non-Ionic Polymer, Liquid	250	Gallons	Totes/Drums/Buckets	\$
8	Sodium Thiosulfate	1,200	Gallons	Totes/Drums	\$
Additional Fees:		Not Included in the Evaluation of Bids			Fees/Costs
Tote Deposits, etc. - Explain:					\$

I certify, under penalty of perjury, that I have the legal authorization to bind the firm hereunder:

Signature/Title of Person Authorized to Sign Print Name/Title of Authorized Person

Email _____