

# **Instructions & Specifications For Amperometric Chlorine Analyzers**

Bid Number 2025-005



Hardin County Water District No. 2  
Elizabethtown, Kentucky

July 11, 2025  
10:00am Eastern Standard Time

Steve Weaver, Inventory Clerk  
270-737-1056 ext. 251 • [inventory@hcwd2.org](mailto:inventory@hcwd2.org)

# **Information to Bidders**

## **1. GENERAL PROJECT OVERVIEW**

Hardin County Water District No. 2 (the “District”) is seeking bids from qualified suppliers for:

- Thirteen (13) Chemtrac HydroACT 2 Reagentless Chlorine analyzers.

## **2. ACCEPTANCE OF BIDS**

Hardin County Water District No. 2 (the District) reserves the right to accept the bid deemed lowest and best evaluated as determined by the District’s Board of Commissioners. The District reserves the right to waive any informalities or minor defects in a bid or to reject any or all bids.

## **3. SUBMITTING BIDS**

- A. The bid must be received by the District at 1951 West Park Road, Elizabethtown, Kentucky on Wednesday, July 11, 2025, by 10:00 am local time. Any bid received after the specified time shall be disqualified.
- B. Each bid must be in a sealed envelope and have typed on the envelope, SEALED BID – CHLORINE ANALYZERS, with the opening date and time. The District assumes no responsibility for the premature opening of or failure to open bids not properly addressed or identified.
- C. An authorized representative may withdraw their bid at any time up to the opening time of the bid, but no bid may be withdrawn once the opening process has started.
- D. The District will not be responsible for errors or omissions on the part of bidders in making up their bids. All bids must be signed by an authorized representative and any bid received unsigned will be rejected.
- E. All bids must be submitted under the specifications listed. The bidder must note any exceptions to the specification on the Bid Form, otherwise, it is assumed that the bid complies, in all respects, with the listed specifications.
- F. Bids must be completed and preferred typewritten or in ink. Failure to do so will result in the rejection of the bid.

- G. Because this packet contains the terms, conditions, and specifications for the bid, the entire packet must be returned. An authorized agent must initial at the bottom of each page acknowledging that they have read the entire page.
- H. Bidders are invited to attend the public bid opening and to review the complete bid files after the bids have been opened. A bid tabulation showing all vendors' prices will be made available upon request.
- I. If a bidder is not bidding on an item or items, that fact must be clearly stated by placing "NO BID" on the bid form under the price column next to the item(s) not bid.
- J. Do not add or include Kentucky sales and/or use tax. The District will furnish the necessary exemption certificate, upon request.
- K. The District shall make payment within forty-five days after the delivery of the equipment.

#### **4. ADDENDA TO SPECIFICATIONS**

The District reserves the right to issue addenda(s) to modify the documents referred herein at any time before the day and time set for the opening. However, no interpretation of the meaning of the plans, specifications, or other pre-bid documents will be made to any bidder orally. Every request for such interpretation should be in writing addressed to Hardin County Water District No. 2 and to be given consideration must be received at least five days before the date fixed for the opening of bids. All such interpretations and any supplemental instructions will be in the form of written addenda to the specifications which, if issued, will be mailed by certified mail with return receipt requested to all prospective bidders (at the respective addresses furnished for such purposes), not later than three days before the date fixed for the opening of bids. Failure of any bidder to receive any such addendum or interpretation shall not relieve such bidder from any obligation under his/her bid as submitted. All addenda so issued shall become part of the contract documents.

#### **5. QUALIFICATIONS OF BIDDERS AND MATERIALS**

The bidder may be required to show to the complete satisfaction of the District that it has the necessary resources, facilities, and ability to provide the services specified. The bidder may also be required to give a history and references to satisfy the District regarding the bidder's qualifications. Should the bidder be deemed unsatisfactory the bid will be rejected.

## 6. TERMS OF CONTRACT

Delivery of analyzers shall be completed within 90 days of contract award.

## 7. ADDITIONAL ORDER

Procurement is subject to regulations contained in 40 CFR Part 31.36 or with DOW Procurement Guidance, except for the Davis Bacon Act. NOTE: the Davis-Bacon Act does not apply to this grant. The attention of bidders is particularly called to the requirements as to compliance with Title VI of the Civil Rights Act of 1964, Executive Order 11246, "Equal Employment Opportunity" as amended which prohibits discrimination in employment regarding race, creed, color, sex, or national origin, Copeland "Anti-Kickback Act, Contract Work Hours and Safety Standards Act, 40 CFR Part 31.36 L(3,4&6), Byrd Anti-Lobbying Amendment and Debarment and Suspension (E.O. 12549 & 12689) and. Bidder will make positive efforts to utilize Minority Business Enterprises, Women's Business Enterprises, and/or Disabled Business Enterprises Contractor/Subcontractor will comply with 41 CFR 60-4, regarding affirmative action.

# Specification and Special Instructions

## 1. SPECIFICATIONS

### a. Technical Requirements

#### i. Analyzer Requirements

- High-resolution greyscale display with user-friendly interface.
- NEMA 4X / IP65 enclosure.
- Supports multiple outputs and optional PID control.
- Communication protocols: Modbus TCP, Modbus RTU / ASCII.

#### ii. Sensor Requirements

- Amperometric, membrane-covered, 3-electrode design: gold cathode, stainless steel anode, and silver/silver halide reference.
- **Total** Chlorine measurement
- Built-in thermistor for automatic temperature compensation.
- Factory pre-calibrated; zero calibration not required.
- Measurement range: 0.01 – 10.0 mg/L.
- Resolution: 0.01 mg/L.
- Operating temperature: 41-113 degrees F; pH range: 4-9
- No moving parts; reagent-free operation.

#### iii. Accessories to be Included

- Non-pressurized clear acrylic flow cell for atmospheric discharge and visual inspection.
- 5-meter sensor cable, extendable to 70 meters.
- 2-year supply of electrolyte solution.
- Owners manual
- Manufacturer's warranty

## 2. SPECIAL INSTRUCTIONS

Listed below is a list of specific instructions that should be followed:

- A. The bidder in calculating the total price must include any discounts and delivery fees or surcharges. The total price must be net.
- B. All analyzers purchased from and delivered by the bidder must be manufactured by Chemtrac, Inc. – Norcross, GA.
- C. All analyzers delivered by the bidder must be new and cannot be “second” quality or a “factory reject.” The District will not accept any analyzers previously delivered to another customer and returned to the vendor for any reason.
- D. If delivered analyzers are found to be defective or do not meet quality standards, the District reserves the right to refuse the delivery and accept replacement to meet specifications.

# BID FORM

2025-005

## Hardin County Water District No. 2 Amperometric Chlorine Analyzers

Please complete the following bid form and ensure all necessary details are provided.

Quantity	Item Description	Unit Cost	Total Price
13	Chemtrac HydroACT 2 Amperometric Total Chlorine Analyzer		

Authorized Signature: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

**HARDIN COUNTY WATER DISTRICT NO. 2  
INVITATION TO BID**

**BY ORDER OF THE COMMISSIONERS**

**BID NUMBER 2025-005**

HARDIN COUNTY WATER DISTRICT NO. 2 (the “District”) will receive sealed bids on thirteen (13) Amperometric On-Line Total Chlorine Analyzers at the District office, located at 1951 West Park Road/P.O. Box 970, Elizabethtown, Kentucky 42702, until 10:00 a.m. local time on Wednesday, July 11, 2025.

For more information and specifications contact Steve Weaver at (270) 737-1056 ext. 251 or visit our website at [www.hcwd2.org/bid-documents](http://www.hcwd2.org/bid-documents). Bids will be awarded to the lowest and best-evaluated bidder as determined by the District’s Board of Commissioners, and further provided, that any or all bids may be rejected for any reason.