

**INVITATION FOR BID  
September 24, 2025**

INVITATION FOR BID NUMBER	IFB 25-047	
NAME OF BID	Chemical Scale Replacement for CC Williams WWTP	
BIDS WILL BE RECEIVED AT	MAWSS Bid Box Donaghey Business Entrance 4725 Moffett Road Mobile, AL 36618	If sending bids by UPS/Fed Ex, deliver to the Warehouse: 1610 Shelton Beach Rd. Ext., Mobile, AL 36618
BID OPENING DATE	October 7, 2025	
BID CLOSING TIME	10:30 am Central Time	
AWARD WILL BE MADE BY	Total Cost & Lead Time	
MATERIAL DELIVERED TO	CC Williams WWTP 1600 Yeend St. Mobile, AL 36603	
ADDITIONAL INFORMATION CONTACT	Jed Barbour (251) 222-2363 Email: <a href="mailto:jbarbour@mawss.com">jbarbour@mawss.com</a> Chris McCormack (251) 423-5684 Email: <a href="mailto:cmmccormack@mawss.com">cmmccormack@mawss.com</a>	
APPLICABLE SDP POLICY	None	

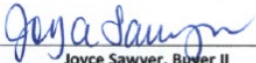
Sealed bids must be in the Purchasing Department no later than the time specified in order to be considered. Submissions received after the deadline will not be considered. Envelopes must bear the name of the supplier, company address and the words **"IFB 25-047 Chemical Scale Replacement"** or **"IFB 25-047 NO QUOTE."** Facsimile or email bids will not be accepted.

All bids must be submitted on the attached forms or your bid will be disqualified. Bidder shall furnish all the information required by the solicitation. The bidder's name must be typed or printed on the bid sheet and signed by the bidder or appropriate authorized executive officer of the bidder's company. Bidders must initial any changes or erasures. Bidders should retain a copy of bids for their records.

Bidders shall acknowledge receipt of all addenda to this solicitation by signing and returning each addendum or by identifying the addendum number and the date on the bid form. Failure to acknowledge receipt of any addendum by a bidder will result in rejection of the bid if MAWSS determines that the addendum contains information that materially changes the requirements.

All bids shall be quoted FOB Destination, freight prepaid with no additional charges. Unless otherwise specified in the bid, all prices will be on a firm-fixed price basis and are not subject to adjustments based on costs incurred. MAWSS reserves the right to reject any or all bids submitted, to waive any informality in any bid or in the bid process, or to terminate the bid process at any time, if deemed by MAWSS to be in MAWSS's best interest.

**A Purchase Order** and this "Invitation for Bid" with "Specifications," "Conditions," "Bid Form," signed by the successful bidder's authorized representative, and all attached drawings and other documents furnished by MAWSS to the bidders with the Invitation for Bid in order to illustrate the contract requirements, will constitute a contract for the goods and/or services to be purchased.

  
Joyce Sawyer, Buyer II  
Board of Water and Sewer Commissioners

## **IFB 25-047 CHEMICAL SCALE REPLACEMENT CONDITIONS**

The Board of Water and Sewer Commissioners of the City of Mobile will accept bids for the **Chemical Scale Replacement** in our Purchasing Department Bid Box located in the Business Entrance at 4725 Moffett Road, Mobile, AL. 36618 **no later than 10:30 a.m.** local time on **October 7, 2025**. Bids will be opened immediately after bid closing time in the Operations Center Board room located at the Customer Service entrance. Award will be by **Total Cost & Lead Time**. The bidder offers and agrees, if this bid is accepted, to furnish the items as defined in the specifications for the unit price set opposite each item. Pricing shall be FOB Mobile, Alabama. All items shall be delivered to **CC Williams WWTP located at 1600 Yeend St., Mobile, AL 36603**, or to the job site as needed. The bidder shall state the expected length of delivery time on the Bid Form.

**An optional site visit** can be scheduled before bidding. Please contact Jed Barbour at 251-222-2363 or Chris McCormack at 251-423-5684 to schedule a site visit.

Bidder understands and agrees that manufacturer and part numbers are provided for descriptive purposes only. Items of equal or better quality will be considered but must be approved by MAWSS in writing. Upon delivery, if the quality, durability or performance of any product represented as equal or better is determined by MAWSS to be unsatisfactory, MAWSS will require a suitable substitute or will require that the originally specified item be delivered, at the unit price originally offered by bidder. No substitution for items to be provided pursuant to this contract shall be permitted during the contract period without the express written consent of MAWSS. All items provided shall be for commercial use and for the purposes reflected in the contract documents.

No bid on closed out or discontinued item(s) will be accepted. Item(s) that have a determinable shelf life must be disclosed at the time of bid submittal. Bidder understands that his/her bid shall be good and may not be withdrawn for a period of sixty (60) calendar days after the scheduled closing time for receiving bids.

Bidder understands and agrees that quantities will be purchased by MAWSS on an "as needed" basis to replenish inventory. MAWSS shall not be committed to the purchase of a pre-established minimum quantity for any one item.

A bidder may not modify its bid after bid opening. Errors in the extension of unit prices stated in a bid or in multiplication, division, addition or subtraction in a bid may be corrected by the MAWSS Purchasing Buyer prior to award. In such cases, unit prices shall not be changed.

It is the responsibility of the bidder to determine prior to the bid opening whether any amendment, additions, deletions or changes of any type have been made to this Invitation for Bid, Conditions, Specifications, Bid Form or any of the other bid documents. Bid documents and any amendments made to this bid will be posted on our website at [www.mawss.com](http://www.mawss.com).

Invoicing Requirements: MAWSS requires additional information for all work performed and services provided. On the vendor's invoice for payment should be a detailed listing of work performed, services provided, dates completed, locations involved, and any other pertinent information needed to verify the work and/or services were completed in accordance to the bid specs. This additional information can be supplied in the form of detailed invoices, work orders, checklists or any other documents used to track the work performed or services provided but details must be included on the actual invoice. A copy of the invoice and these additional details must be sent to the "ADDITIONAL INFORMATION CONTACT" found on Page 1 of the bid documents and a copy emailed to Accounts Payable at [AcctsPayable@mawss.com](mailto:AcctsPayable@mawss.com).

## **END OF CONDITIONS**

# **IFB 25-047 CHEMICAL SCALE REPLACEMENT SCOPE/SPECIFICATIONS**

## **PART 1 – GENERAL**

1. WORK COVERED BY BID DOCUMENTS
  - a. The completed work will provide C. C. Williams WWTP (“Owner”) with new chemical scales
2. SUBMITTALS
  - a. Informational Submittals:
    - i. Two (2) physical copies of the manufacturer’s operations and maintenance manuals must be provided in 3-ring binders to the Owner.
    - ii. One (1) digital PDF copy of the manufacturer’s operations and maintenance manual must be provided to the Owner.
    - iii. Detailed Wiring Diagrams:
      1. Panel wiring diagrams for discrete control and power circuits.
      2. Loop wiring diagrams showing individual wiring diagram for each analog or pulse frequency loop.
      3. Interconnecting wiring diagrams showing electrical connections between equipment, consoles, panels, terminal junction boxes, and field-mounted components.

## **PART 2 – EQUIPMENT**

1. SCALE EQUIPMENT
  - a. Scales shall be CHLOR-SCALE Model DR40 or equivalent.
2. DIGITAL DISPLAY EQUIPMENT
  - a. Chlorine Digital display equipment must be WAZARD 4000 digital display Model 4000-4, as manufactured by FORCE FLOW, or equivalent.
  - b. Sulfur Dioxide Digital display equipment must be WAZARD 4000 digital display Model 4000-2, as manufactured by FORCE FLOW, or equivalent.
3. SCALE PLATFORM
  - a. A quantity of four (4) chlorine scales and two (2) sulfur dioxide scales shall be provided and shall be of the digital redout/electronic load cell type. A total of six (6) scales shall be provided.
  - b. Scale frame shall have a 2-part epoxy powder coated finish and be sized to accept one (1) 3,600 lb. chlorine or sulfur dioxide container.
  - c. The frame shall have four (4) heavy duty, zinc-plated, steel trunnion rollers with bronze-bushed bearings installed to allow for easy container rotation.
    - i. UHMW polyethylene or other non-metallic rollers or wheels shall not be acceptable.
  - d. Scale shall be of such a size that it is within the dimensions of the tank it supports.
  - e. Scale shall be of the single load cell design.

- f. Weight shall be transferred via lever to a single load cell of the shear beam strain gauge type.
  - g. Flexible cable shall connect load cell to indicator to allow easy remote installation of the readout.
    - i. Cable length shall be 20 feet in length.
- 4. INSTRUMENT ENCLOSURE, OUTPUTS, AND ALARMS
  - a. Indicator shall have four (4) channels to allow individual monitoring of up to four scales.
  - b. Indicator shall carry CE marking if manufactured in a European country, and shall be housed in a NEMA 4X, UL approved enclosure.
  - c. Indicator shall have a 20-key digital keypad & ability to display the data from two (2) scales simultaneously on a backlit, alphanumeric display.
  - d. If more than two scales are being monitored, display shall automatically scan all scales in the system.
  - e. Indicator shall have adjustable 4-20 mA signals that output net weight for each scale.
  - f. Indicator shall display an alarm in any of the following conditions:
    - i. Low level
    - ii. Low feed rate
    - iii. High feed rate
    - iv. Maximum daily use
    - v. Minimum daily use
    - vi. Supply exhausted
    - vii. Load cell failure
  - g. An alarm log shall store the most recent ten (10) alarm conditions with time and date of occurrence.
- 5. DISPLAY AND INVENTORY CONTROL SOFTWARE
  - a. Keypad and menu items shall have independent password protection to prevent unauthorized operation.
  - b. Both a numerical and a bar graph display shall give the ability to monitor chemical by weight, volume, or percent full.
  - c. Each channel shall have a user-selectable, two-digit scale ID number and shall display:
    - i. Net remaining
    - ii. Feed rate
    - iii. Daily usage
    - iv. Days until empty
    - v. Total amount used
    - vi. Net remaining as a percentage of full amount
    - vii. Net remaining in base units
  - d. A "TANK LOAD" key shall pause usage accumulation during tank change-out to maintain accurate usage data over multiple tank loads.
    - i. TANK LOAD function shall have both an "AUTO TARE" mode and "MANUAL TARE" mode.
    - ii. AUTO TARE mode shall automatically set NET amount to the amount of chemical in a full container.

- iii. MANUAL TARE mode shall allow the operator to enter the tank tare weight, which is then automatically subtracted from the gross weight, with the difference displayed as NET chemical weight.
- e. A data log shall store the daily usage for each of the previous 31 days.
- f. Indicator re-calibration in the field shall be accomplished through the keypad and shall not require the use of dead weights.

## **PART 3 – INSTALLATION**

### **1. INSTALLATION**

- a. Provide adequate qualified personnel for the safe, efficient, and functional installation of the provided chemical scales.
- b. Installation must be coordinated with the Owner to develop a written plan to install the chemical scales such that all safety and process compliance controls can be assessed prior to the installation of the equipment.
- c. All Standard Operating Procedures designated by the Risk Management Plan for the C.C. Williams WWTP must be implemented.
- d. Facilities:
  - i. Protect electrical and mechanical services and utilities. Where removal of existing piping or electrical is required, coordinate with Owner.
- e. Existing equipment to be uninstalled, removed, and properly disposed of.
  - i. Coordinate removal and disposal with Owner.

### **2. EQUIPMENT TESTING AND STARTUP**

- a. Functional Test: A functional test of the equipment with the Owner to demonstrate that installed equipment meets manufacturer's installation, calibration, and adjustment requirements must be completed and certified acceptable.
- b. Performance Test: A performance test performed after any required functional test of the equipment with the Owner to demonstrate and confirm individual equipment meets performance requirements specified in individual sections.
- c. Provide certification that equipment installation meets manufacturer's proper installation requirements.
- d. Unit Start-Up Form for each scale must be completed by successful bidder during Start-Up after functional and performance tests.
- e. Start-up shall be considered complete when, in opinion of the Owner, the equipment has operated in a manner intended for 5 continuous days without interruption.

## **PART 4 – TRANSPORTATION**

### **1. TRANSPORTATION**

- a. Equipment shall be delivered undamaged to the Clifton C. Williams Wastewater Treatment Plant located at 1600 Yeend St., Mobile, AL 36603.
- b. Notice shall be given 24 hours prior to delivery to Jed Barbour, who can be contacted at (251) 378-3513, or Chris McCormack, who can be contacted at (251) 423-5684
- c. Transportation costs shall be included in bid pricing – no additional transportation costs shall be paid by MAWSS.

- d. Bidder is responsible for delivering and unloading equipment on-site in new and undamaged conditions.
- e. The bid items shall be delivered to the Owner within 12 weeks of issuance of order and order to proceed as per bid specifications.

## **PART 5 – WARRANTY**

### **1. WARRANTY**

- a. Equipment shall carry a full five (5) year factory warranty.
- b. “Limited” warranties shall be considered unacceptable.

**END OF SCOPE/SPECIFICATIONS**

**IFB 25-047 CHEMICAL SCALE REPLACEMENT  
INSURANCE REQUIREMENTS**

- A. **General:** The Supplier shall provide insurance in accordance with the required specifications. A current certificate of insurance must be provided with your bid. MAWSS does not need to be named as an additional insured on this certificate until bid is awarded.
- B. **Supplier Coverage:** The Supplier shall not commence work under this Contract until he has obtained all insurance required under the following paragraphs and until such insurance has been approved by the Owner, nor shall the Supplier allow any subcontractor to commence work on his subcontract until all similar insurance required of the subcontractor has been obtained and approved. If the subcontractor does not take out insurance in his own name, the Supplier shall provide such insurance protection for the subcontractor and such subcontractor's employees.
- C. **Casualty Insurance:** The following insurance coverages (with limits not less than specified herein) shall be maintained by the Supplier for the duration of the Contract, affording coverage for any claim arising out of Supplier's operations herein, whether by the Supplier or by any subcontractor or by any Employee or Agent of either:
1. Claims of employees under Worker's Compensation and other similar employee benefit acts, including claims because of bodily injury, occupational sickness or disease, or death.
  2. Claims arising out of bodily injury, sickness, disease, or death of any person other than employee.
  3. Claims for damages arising out of libel, slander, false arrest, detention or imprisonment, malicious prosecution, defamation or violation of right of privacy, wrongful entry or eviction or other right of private occupancy, including claims as a result of an offense related to the employment of a claimant by Contractor (so-called "Personal Injury").
  4. Claims arising out of damage to or destruction of tangible property, including loss of use.
  5. The Supplier shall furnish certification of insurance and policies verifying that the above coverages are in effect before commencing any work, and that each policy is endorsed to give the Owner 30-day notice in writing in the event of cancellation or material change therein.

Policies of Insurance shall state that the Owner and the Owner's employees be named as additional insureds on the Supplier's Automobile Liability and Commercial General Liability policies. In respect to Worker's Compensation, a Waiver of Subrogation shall be issued in favor of the Owner. Where applicable, the U.S. Longshore and Harbor Workers' Compensation Act Endorsement shall be attached to the policy. Where applicable, the Maritime Coverage Endorsement (to include coverage under Jones Act) shall be attached to the policy. Both the U. S. Longshore and Harbor Workers and the Maritime Coverage shall have limits equal to or greater than the employer's liability coverage.

6. Rated by AM Best – A- or better. For non-admitted companies, a rating of A or better by AM Best.
  - a. At the discretion of the Board, worker's compensation insurance may be placed through a qualified worker's compensation self-insurance fund.

b. **Limits of Liability:**

<b>Worker's Compensation</b>	Statutory
<b>Employers' Liability</b>	\$500,000 Each Accident \$500,000 by Disease, Policy Limit \$500,000 by Disease, Each Employee
<b>Commercial Automobile</b>	\$1,000,000 Each Accident Bodily Injury and Property Damage Combined Business Auto Includes All Owned, Leased, Hired and Non-Owned Automobiles
<b>Commercial General Liability</b>	\$1,000,000 per Occurrence \$1,000,000 Personal & Advertising Injury \$2,000,000 General Aggregate per Project \$2,000,000 Products & Completed Operations Aggregate \$100,000 Fire Damage Liability

**Umbrella Liability:** In addition to the basic limits previously set out for Commercial General Liability, Products and Completed Operations, Automobile Liability and Worker's Compensation, coverage shall be issued with a "pay on behalf of" wording, including Personal Injury and other extensions, and provide coverage at least as broad as that afforded by the primary insurance policies.

**Extensions (only if applicable):**

Blanket Contractual Liability	Blanket Collapse and Underground Coverage
Personal Injury	Broad Form Property (including Completed Operations)
Host Liquor Liability	Employees as Additional Insureds
Non-owned Watercraft Liability	Incidental Medical Malpractice
Worldwide Products	Extended Bodily Injury (Assault and Battery)
Fire Legal Liability	
Newly Acquired Organizations	

When and if the use of explosives for blasting purposes appears necessary or desirable, such methods shall not be undertaken without written authorization of the Owner, and then only provided that acceptable extensions of liability coverage have been obtained specifically to include the explosion ("X") hazard and the collapse ("C") hazard. The policy of general liability shall include the special underground property damage coverage (providing the so-called "U" hazard) on a blanket basis.

- D. **Owner's Protective Liability:** The Supplier shall furnish from a carrier acceptable to the Owner, a policy of liability insurance, commonly called "Owner's Protective Liability" in the name of the Board of Water and Sewer Commissioners of the City of Mobile, d/b/a MAWSS, providing "Independent Contractor's Coverage" for the operations embraced by this Contract with limits of \$1,000,000 bodily injury and \$1,000,000 property damage. Policy shall be endorsed so that the premium is to be paid by the named Supplier.

**END OF INSURANCE**



**IFB 25-047 CHEMICAL SCALE REPLACEMENT  
BID SHEET**

Equipment – Total Cost	
Installation – Total Cost	
Additional Costs such as shipping, if applicable	
<b>Bid Total Cost*</b>	

\*Must include **all** charges, including but not limited to: Installation, Start-up, Training, 5-year warranty and freight/transportation charges, if applicable.

Estimated Lead Time for Purchase \_\_\_\_\_

Estimated start date for Installation \_\_\_\_\_

Estimated time of completion \_\_\_\_\_

**Company Name** \_\_\_\_\_ **Payment Terms** \_\_\_\_\_

**Address** \_\_\_\_\_

**City, State, Zip** \_\_\_\_\_

**Submitted By** \_\_\_\_\_ **Title** \_\_\_\_\_  
Please Print

**Phone** \_\_\_\_\_ **Email Address** \_\_\_\_\_  
Please Print

The signer declares under penalty of perjury that she/he is authorized to sign this document and bind the company or organization to all terms and conditions of this agreement.

**Signature** \_\_\_\_\_ **Date** \_\_\_\_\_