

**INVITATION FOR BID
September 15, 2025**

INVITATION FOR BID NUMBER	IFB 25-045	
NAME OF BID	Annual Contract for Dewatering Polymer for CC Williams Waste Water Treatment Plant (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	September 29, 2025	
BID OPENING TIME	10:30 am Central Time	
AWARD WILL BE MADE BY	Total Cost & Product Performance	
CONTRACT PERIOD	12/1/25 through 11/30/26 with two 1-year extension options	
MATERIAL DELIVERED TO	CC Williams Waste Water Treatment Plant 1600 Yeend St Mobile, AL 36603	
ADDITIONAL INFORMATION CONTACT	Barry Smith (251) 378-3503 Email: basmith@mawss.com or Jed Barbour (251) 222-2363 Email: jbarbour@mawss.com	
APPLICABLE SDP POLICY	None	

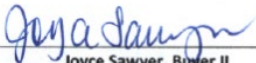
Sealed bids must be in the Purchasing Department no later than the time specified in order to be considered. Submissions received after the deadline will not be considered. Envelopes must bear the name of the supplier, company address and the words "IFB 25-045 Polymer for CC Williams WWTP" or "IFB 25-045 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 25-045 DEWATERING POLYMER FOR CC WILLIAMS WWTP CONDITIONS

The Board of Water and Sewer Commissioners of the City of Mobile will accept bids for **Dewatering Polymer for the CC Williams WWTP** in our Purchasing Department Bid Box located at the Business Entrance at 4725 Moffett Road, Mobile, AL 36618 **no later than 10:30 a.m.** local time on **September 29, 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 & Product Testing Results**. 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 our **CC Williams WWTP 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.

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. 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.

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.

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.

Please note: In the event of rising costs of operation to the bidder during the term of this agreement resulting from increases in prevailing wage rates, increases in prevailing gasoline prices, or similar increases in prevailing prices, the bidder may request that - the authority (MAWSS) increase service fees charges that the bidder is allowed to charge and receive, the amount of increase to be adequate to compensate for the increases in costs to the bidder, but in no greater amount; in the event of such a request, the bidder must submit its books for auditing by MAWSS, the findings and judgment of MAWSS as to the justification for an increase in rates shall be final.

END OF CONDITIONS

IFB 25-045 DEWATERING POLYMER FOR CC WILLIAMS WWTP SPECIFICATIONS

Cationic Emulsion Polymer for Dewatering at the CC Williams Wastewater Treatment Plant

General

The Board of Water and Sewer Commissioners shall receive bids for furnishing Polymer for dewatering secondary digester sludge at the Board's office at 4725A Moffett Road, Mobile, Alabama 36618. The polymer must be compatible with present dewatering equipment, and filtrate must be suitable for recycling through the plant processes. The polymer must have EPA approval for use in wastewater processes. The Board will accept only emulsion-based polymers. The Board purchases polymer in bulk quantities, and therefore it requires a minimum shelf life of six months. Bid price shall be quoted as cost per pound of product.

The dewatering equipment and process at the C.C. Williams WWTP Facility is generally described below:

Anaerobically digested sludge is mechanically pumped to a 6000-gallon tank. Centrifugal pumps feed a BDP belt press for dewatering. The dewatering process increases the percent solids concentration of the digested sludge by removing excess water; reducing the volume that is land applied with the aid of an emulsion-based polymer fed by a progressive cavity polymer pump.

Evaluation and Qualification

No resellers or third-party distributors will be allowed to bid. Only the three lowest Bidders will be allowed to participate in the evaluation and qualification process. Only the dewatering belt press will be used for performance evaluation. The bids will be read on **September 29, 2025**, and the three low bidders will be notified by **October 3, 2025** of their trial date.

To properly evaluate and qualify a product for bid will require product testing using the Board's existing equipment. Adequate product volume must be provided by the successful Bidder, at no cost to the Board. The successful Bidder shall provide sufficient product and technical support to accomplish the product testing. Each Bidder will have one day to qualify. Forty-five (45) minutes will be allowed to "warm-up" and 150 minutes for test run time for each product tested. Each Bidder will be allowed a maximum of three (3) products to be trialed. All product testing will be completed no later than **October 24, 2025**. If not completed by this date the Board will disqualify the bidder.

Any modification or adjustments to the Board's equipment must be made by, and/or with complete cooperation and observance of, the plant operating personnel. All special equipment, products, tools, piping, power, controllers and alike, required by the successful Bidder, shall be installed and supplied at no cost to the Board. Upon completion of the qualification testing, all items and equipment shall be returned to the condition existing prior to the commencement of any successful Bidder's testing.

Should special clean-up or extraordinary efforts be required, the successful Bidder will be required to reimburse the Board for appropriate costs incurred. Documents to this effect may be required to be executed prior to qualification testing. Testing will be conducted within equipment limits and in accordance with the requirements listed in the Qualification Information section of these specifications.

IFB 25-045 DEWATERING POLYMER FOR CC WILLIAMS WWTP SPECIFICATIONS (Cont.)

Award

Award of the Contract will be based on product performance and cost of polymer per dry ton of sludge dewatered under normal operating conditions.

The following formulas will be used to calculate results:

$$\text{Total Solids Capture Rate (TSCR)} = \frac{\% \text{ TS in Cake} \times (\% \text{ TS in Feed} - \% \text{ TS in Effluent})}{\% \text{ TS in Feed} \times (\% \text{ TS in Cake} - \% \text{ TS in Effluent})}$$

$$\text{Total Pounds of Polymer Used (TPPU)} =$$

$$\text{Start Weight} - \text{Ending Weight}$$

$$\text{Dry Tons (DT)} = \frac{\text{Gpm feed} \times \% \text{ Solids} \times 8.341 \times \text{Min}}{2000}$$

$$\text{Pounds of Polymer Used per Dry Ton (Lbs/DT)} = \frac{\text{TPPU}}{\text{DT}}$$

$$\text{Cost per Dry Ton (CPDT)} = \text{Lbs/DT} \times \text{Cost per lb} = \text{Cost per Dry Ton}$$

$$\text{Estimated Amount of Contract (EAC)} = \text{Estimated Dry tons per year (30,000)} \times \text{CPDT}$$

The Board will award a single Contract.

Cost will be all inclusive to include requirements for storage, shipping and handling. All support systems required for change or modification of the Board's current system configuration shall be included in the Bidder's cost. The Board reserves the right to accept or reject any or all bids and to waive technicalities if deemed to be in the best interest of the Board.

Delivery

Delivery shall be made by truck and /or tanker truck to the C.C. Williams WWTP 1600 Yeend Street, Mobile, Alabama, 36603. The delivery vehicle and handling equipment shall be suitable for handling with the Board's existing equipment and personnel. Any special handling equipment shall be supplied as part of the Bidder's polymer system at no additional cost to the Board. The Board shall write purchase orders as needed, and in quantities as necessary during the term of the Contract. It shall be the responsibility of the successful Bidder to ensure that delivery is made within seven (7) working days after an order is placed by the Board. Delivery shall be made Monday through Friday, 7 A.M. to 4 P.M., and shall be performed in a safe and efficient manner. Any equipment necessary to ensure safe and efficient delivery shall be the responsibility of the successful Bidder. All deliveries shall be FOB and shall include delivery and handling into the C.C. Williams Plant Facility. Bidders are required to visit the plant prior to bidding to review the polymer storage area and to review any delivery or unloading problems that may occur. Bidders assume all risks, responsibilities, and costs, which may arise as an incident of handling, transportation, delivery, and unloading of the chemicals specified herein, until proper unloading of said chemicals has been completed at the delivery point. All carriers must abide by all applicable state and federal regulations concerning the transportation of such materials. Suppliers shall take the following security measures:

- 1. Send a copy of the bill of lading before each delivery. Bill of lading to include truck or trailer number, and identification / tracking numbers.**
- 2. Provide the name of driver (photo ID preferred).**
- 3. State if delivery will be by company owned trucks or independent carriers.**

IFB 25-045 DEWATERING POLYMER FOR CC WILLIAMS WWTP SPECIFICATIONS (Cont.)

Technical Assistance

The successful Bidder shall provide a qualified service representative to visit the C.C. Williams WWTP Facility at least quarterly, to assure the proper use of the products, and to be on call to answer any questions or assist in the solution of any problems that may arise in the application of the product. Response shall be within twenty-four (24) hours by telephone, or within two (2) days if a site visit is necessary.

The Bidder shall provide a minimum of two 1-hour chemical and handling safety training classes for the facility's operations staff. These classes shall be held each year for the duration of this Contract and appropriate extensions. Training classes shall be at no additional cost to the Board but included in the Bidder's total product bid.

Firm Price

The Board requires that firm prices be bid for the polymers to be furnished under these specifications. No adjustments will be considered for the price quoted for the Contract duration. This includes, but is not limited to, cost of living adjustments and fuel adjustment requests.

Termination of Contract

The Board reserves the right to terminate the Contract if the Bidder fails to meet delivery or technical assistance schedules as specified herein. The Board also reserves the right to terminate the Contract if the product fails to perform satisfactorily. Such failure will be defined as a greater than ten percent increase in product consumption or a two percent decrease in solids recovery that the Bidder is unable to demonstrate is related to changes in sludge quality, and which the Bidder is unable to correct within thirty (30) days. The increase or decrease in product consumption is based on trial performance data. The Board reserves the right to terminate if the dollar value of the contract is exceeded.

Special Conditions

The present bulk storage container is an approximate 6000-gallon tank. Drummed products or totes will not be acceptable as normal product delivery.

The Bidder shall be responsible for supplying a certification that their product is acceptable to all Federal (EPA) requirements for use in a Municipal Wastewater Treatment Plant.

**IFB 25-045 DEWATERING POLYMER FOR CC WILLIAMS WWTP
SPECIFICATIONS (Cont.)**

**Qualification Information Cationic Emulsion
Polymer Testing C.C. Williams WWTP Facility**

1. Upon request, each Bidder will be provided with a sample of sludge. This sample will be sufficient to use for preliminary jar testing to determine which product will be used in the qualifying production test. Sample containers shall be supplied by the Bidder. The Bidder shall be responsible for all handling and transportation costs for samples. A maximum of three products per Bidder will be allowed to be tested. It is the Bidder's responsibility to determine, using preliminary jar test, which products he desires to present in the qualifying test.
2. Successful bidder may pull samples for testing on three (3) products. A specification sheet on the polymer, including percent (%) active polymer, along with a certified statement that this product meets all EPA environmental requirements, can be used in a municipal wastewater treatment facility, will be forwarded to Mr. Barry Smith, C.C. Williams Plant, 1600 Yeend Street, Mobile, Alabama 36603 no later than **October 3, 2025**. Specification sheet must be filed prior to qualifying test.
3. Bidders will be responsible for bringing with them, on the day of the product test, sufficient product, packaged in five-gallon containers, to complete the prescribed production testing.

If additional piping or containers are required to maintain the test prescribed without interruption, the Bidder shall supply it at no cost to the Board.

Any test equipment the Bidder wishes to utilize for his own evaluation should be supplied and operated, at no cost to the Board.

4. The production test run will be conducted in the following manner:
 - a. The Board personnel will operate all equipment and will make all adjustments to sludge feed rates and polymer feed rates. The product technical representative will advise the operator of the polymer feed rates desired. These instructions will be carried out to the extent that they do not exceed the safe operating zones of equipment, and the resulting digested sludge is within acceptable limits for land application. The operator will have final authority to stop any test run if, in his judgment, the product does not meet these basic criteria.
 - b. The normal testing events will allow sufficient preliminary adjustment of equipment and polymer feed rates to regulate all products and equipment to produce a uniform dewatered product. Once the technical representative is satisfied, he will declare that he is ready to commence the test run. The test run will start with taking the first sample and then taking additional samples at no less than 15-minute intervals. Five samples will be taken for evaluation from each product tested.

The Board's laboratory will analyze all official samples which will be relinquished by a Mobile Area Water and Sewer System (MAWSS) Operator

A product technical representative will be required to be present at all times during the scheduled production test period. The Board encourages a limited number of technical representatives to be present during testing because of limited workspace and safety.

One dewatering belt press with associated feed equipment will be used for the test. The same equipment will be used for all product testing.

**IFB 25-045 POLYMER FOR CC WILLIAMS WWTP
SPECIFICATIONS (Cont.)**

5. The Board currently uses one product for dewatering. The product used is Polymer provided by Polydyne Inc. The approximate amount will be 144,000 pounds per year for the current product.
6. The anticipated digested sludge feed concentration will be 1.0% to 4.0% percent solids.
7. The minimum acceptable product, having a total solids capture rate of not less than 94 percent at a thickening system feed rate of approximately 100 gallons per minute, shall produce a sludge cake with a dry solids concentration of not less than 23%.
8. All questions concerning testing and scheduling should be directed to:

Mr. Barry Smith
C.C. Williams WWTP
1600 Yeend Street
Mobile, Alabama 36603
Phone: (251) 378-3503
Cell Phone: (251) 721-2850
Fax: (251) 433-4090

**IFB 25-045 POLYMER FOR CC WILLIAMS WWTP
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:**

Worker's Compensation	Statutory
Employers' Liability	\$500,000 Each Accident \$500,000 by Disease, Policy Limit \$500,000 by Disease, Each Employee
Commercial Automobile	\$1,000,000 Each Accident Bodily Injury and Property Damage Combined Business Auto Includes All Owned, Leased, Hired and Non-Owned Automobiles
Commercial General Liability	\$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 and Employer's Liability, Suppliers shall provide Umbrella Liability limits of \$5,000,000 per occurrence and aggregate. 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 that the premium is to be paid by the named Supplier.

END OF INSURANCE

**IFB 25-045 DEWATERING POLYMER FOR CC WILLIAMS WWTP
BID SHEET**

Product # 1 - Price per pound \$ _____

Name of product _____

Product # 2 - Price per pound \$ _____

Name of product _____

Product # 3 - Price per pound \$ _____

Name of product _____

Manufacturer: _____

Delivery Time ARO: _____ **Payment Terms** _____
(After receipt of order)

Company Name _____

Address _____

City, State, Zip _____

Submitted By _____ **Title** _____

Please Print

Phone _____ **Email Address** _____

*I am aware of the delivery requirements. My company will deliver product within those requirements.

*** Authorized Signature**

Date

*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.