

**THOMAS S. MACKEY WATER TREATMENT PLANT
GULF COAST WATER AUTHORITY**

TECHNICAL SPECIFICATIONS
FOR
Liquid Ammonium Sulfate--LAS

BID QUANTITIES:

* **Liquid Ammonium Sulfate** ~700,000 lbs

Gulf Coast Water Authority reserves the right to order specified product on an as needed basis. Thomas S. Mackey WTP employees will place orders as needed throughout the year. Bid quantities are estimates. No guarantee is made to purchase a specific quantity of product. Bidders should submit a bid for the item and quantities listed above. The quantities listed are for a one-year period. The contract will be awarded based on qualifying low bid for the product shipped for a one or two-year period. The Authority reserves the right to accept or reject any and all bids and to select only those bids deemed to be in the best interest of Gulf Coast Water Authority in accordance with the specifications.

*** Liquid Ammonium Sulfate TECHNICAL SPECIFICATIONS:**

	LIQUID AMMONIUM SULFATE
1. PHYSICAL STATE	
2. AMOUNT OF LAS IN SOLUTION (WT.%)	38%-40%
3. SPECIFIC GRAVITY	1.20-1.22
4. AMMONIA AS NH3	> 25%
5. PH	6.0-7.0
6. IRON (MG/L)	<10
7. COLOR	<75
8. ODOR	NONE
9. TOTAL HEAVY METALS (AS LEAD)	0.02% MAX

All chemicals used in treatment of water supplied by Public Water Supply Systems must conform to Standard 60 of the American Standards Institute/National Sanitation Foundation [ANSI/NSF] for direct additives. The awarded vendor shall be required to furnish such evidence of compliance. Failure to obtain certification may jeopardize the awarded contract and subject it to termination.

QUALITY:

Chemicals supplied by Contractor shall, in all respects, meet the minimum current standard specification of the American Water Works Association and the current Water Chemical Codex (as published by the National Academy Press of the National Academy of Sciences) for materials used in the purification of municipal water supplies. Chemicals supplied by Contractor must be certified in accordance with National Sanitation Foundation Standard 60 for use in potable water production. The awarded vendor shall be required to furnish such evidence of compliance. Failure to obtain certification may jeopardize the awarded contract and subject it to immediate termination.

Chemicals supplied must not cause the concentration of any one (1) of the chemical substances regulated in drinking water by the USEPA and/or Texas Commission on Environmental Quality (TCEQ) to exceed the Maximum Contaminant Level, established and in effect at the time of delivery, for the substance or cause a significant increase in the concentration of that substance over levels currently observed. For the purposes of this contract any "Action Levels" specified by EPA and/or the TCEQ shall be considered as a Maximum Contaminant Level.

PRODUCT DELIVERY:

The contractor agrees to make deliveries only "after" receipt of duly signed and approved Blanket Purchase Order issued by the Authority, "and only after ordered by an authorized representative of GCWA."

Deliveries shall be made within one week of a verbal phone order and no more than ten calendar days from receipt of a written purchase order to the GCWA Thomas S. Mackey Water Treatment Plant located at 4001 5th Avenue North Texas City, Texas. All bid prices shall be quoted F.O.B. Texas City. The successful bidder must make adequate provisions for product supply and transportation, and must maintain close contact with GCWA operations department at all times. Deliveries are to be made between the hours of 7:30 a.m. and 3:30 p.m. Monday through Friday, with provisions to be made for deliveries on holidays, weekends, and/or periods of high product demand.

All chemicals shall be shipped in stainless steel or appropriately lined truck tank trailers. Prior to loading, the tanks, hoses, and discharge nozzles shall be thoroughly cleaned and inspected. Any necessary maintenance will be performed prior to shipment. Tank trucks shall adequately protect the material from weather and wastage in transport. All access points on the tank trucks will be secured with a locking device and a numbered tamperproof seal prior to leaving the manufacturer's facility. The vendor will provide the tamper proof seal number to the facility contact prior to delivery. Loads that are unsecured, or have a broken, mislabeled, or missing seals will be rejected and returned to the vendor at their expense. In the event that a load is returned for failure to meet security provisions, vendor must provide a replacement load of product freshly loaded and sealed at the point of origin within 24 hours. The replacement load must be accompanied by proof that rejected load has not been resealed and returned, or

commingled with original batch at the point of origin. Misrepresentation of replacement product or failure to follow these procedures may be grounds for termination of contract.

It is the responsibility of the Vendor to ensure that the carrier has all necessary equipment in proper working condition such as tools, fittings, hoses, coupling, and off-loading equipment to effect a safe and timely unloading with no signs of leakage or spillage so as not to disrupt routine plant operations. Vendor will ensure that carrier vehicles are equipped with a suitable vehicle mounted pump and/or air source to allow for product offloading. Vendor assumes responsibility and liability for damage to any Authority property, including but not limited to chemical offloading equipment, gates, vehicles, concrete, and storage tanks. The Authority reserves the right to cease the offload due to leakage or unsafe conditions.

The carrier must comply with site-specific safety training and regulations while in the plant. It will be the responsibility of the carrier to equip each vehicle entering the facility with appropriate personal protective equipment (PPE) for safe offloading and spill cleanup associated with normal offloading procedures. The Authority reserves the right to request vendor to replace any delivery personnel who refuses to comply with Authority regulations.

It shall be the responsibility of the supplier to make arrangements, and assume all financial obligations, including analytical costs, for the prompt clean-up and disposal of all contaminated product and associated chemical, unloading, storage, and feed systems at the affected user site, if the source of such contamination is found, subsequent to initial acceptance, to originate with any individual, or series of chemical deliveries. All clean up and disposal activities will be conducted in a manner consistent with the best available technology and conform to all local, state, and federal regulations. The supplier assumes responsibility as the generator of such contaminated material, along with all inherent obligations to ensure proper disposal of contaminated material, and any responsibilities arising from future lawsuits or clean-up costs associated with disposal of such contaminated materials.

It is the responsibility of the vendor to conduct security screening on all delivery and support staff that may require access to the Water Plant. The vendor will forward the name and photo I.D. of the delivery driver to the Authority prior to each delivery via e-mail or fax. Failure to adhere to these security requirements will be just cause for immediate termination of the contract.

Contractor shall guarantee to assure that either their own carrier or any common carrier used shall comply with all applicable Federal and State laws concerning the transport of hazardous chemicals.

BASIS FOR REJECTION:

The Gulf Coast Water Authority may reject and refuse delivery of any truckload that is not within the product quality standards. The criteria that will be used as a standard for rejection of product are current AWWA and NSF standards. In the event that a shipment is rejected for failure to meet specifications, the supplier is to furnish an emergency shipment to the Thomas S. Mackey Water Plant within twenty-four (24) hours. Any additional expense associated with the emergency shipment over and above the Contract price shall be at the expense of the supplier.

GENERAL PROVISIONS:

MSDS Sheets

The bidder shall supply a current Material Safety Data Sheets (MSDS) that satisfies OSHA's current 16 section MSDS format (ANSI (American National Standards Institute) Standard Z400.1-1998 revised).

The successful bidder will make the MSDS available in electronic format and is responsible for maintaining and updating the document as needed.

Certificate Of Analysis

The successful bidder shall supply a certificate of analysis of the product shipped with each truckload delivered. A certificate of analysis, representative of the product to be bid, that verifies compliance with all AWWA/NSF standards must be submitted with the bid package for bid to be considered.

SOURCE OF SUPPLY:

The bidder will provide the following information:

1. Name, address, phone number, and contact person.
2. Shipping point(s) of origin for each source to be supplied.

INVOICING

Invoices shall be mailed to:

**Gulf Coast Water Authority
3630 FM 1765
Texas City, Texas 77591**

All delivery tickets shall contain the description of the product shipped.
Delivery tickets and packing slips shall contain the same information as the invoice.
All delivery tickets shall be signed by receiving employee.

CONTAMINATED MATERIALS:

All vendors shall be required to identify their source of supply. If any material, supplied to the Authority under this Contract, is contaminated or determined to be unacceptable by the Authority, it will be the responsibility of the Contractor to remove and replace the contaminated product at their expense and at no cost to the Authority. The Authority has the option to contract the removal of any contaminated material and charge back the Contractor any and all costs involved.

DEMURRAGE:

The Authority will be responsible for demurrage on trucks only when such charges occur because of the Authority's negligence in the unloading of

the material. Delays due to extended time for sample analysis because of questions as to the quality of the sampled shipment are not to be considered negligent on the Authority's part, and the Authority will not be responsible for any demurrage charge accumulated under such circumstances. The Authority intends to handle all chemical receiving in an expeditious manner, but will not be responsible for any reasonable unloading delay due to other operational priorities.

PENALTY FOR NON-DELIVERY:

The bidder agrees that if, for any reason, at any time, he shall be unable to deliver chemicals in quantities and/or quality ordered by the Authority under the specifications, and if the bidder, after having been awarded the Contract and having been notified to make a shipment, shall have failed to deliver such shipment after notification, then the Authority shall be authorized to purchase such material wherever available, and the bidder agrees to pay the Authority the amount paid by it over and above the bid price.

NOTE:

Contractor guarantees to assure that if they are not the original manufacturer of the material to be supplied on the contract, or any portion thereof, that they will communicate the nature of these specifications to contractor's suppliers and assure that such material meets or exceeds these specifications.

VENDOR SUPPLY OF SAFETY TRAINING:

The successful Bidder shall be capable of supplying and agrees to supply, as a result of their participation in the bidding process, annual formal safety training sessions to the Thomas S. Mackey WTP employees.

BID SHEET

I, We, the undersigned, agree to deliver to the GCWA Surface Water Treatment Plant at 4001 5th Avenue North in Texas City, Texas, F.O.B, Liquid Ammonium Sulfate for the purchase price and subject to the conditions listed herein:

Product Name _____

% by weight _____ LAS in Solution (38-40)
% by weight _____ Ammonia as NH3 (9.80-10.80)

NSF Certified: _____(Yes, No)

Purchase Price:1 year _____ \$/lbs (Firm September 1,2018 through August 31,2019)

Purchase Price: 2 year _____ \$/lbs. (Firm September 1, 2018 through August 31, 2020)

Bidder (Company): _____

By: _____

Title: _____

Signature _____

Address _____

Telephone: _____

Date: _____

The initial term of this agreement may be extended for an additional 12 months on the same terms and conditions if either party notifies the other of its intention to so extend, and the extension is agreed to and acknowledged in writing by the other party prior to the end of the initial term. The Authority reserves the right to accept or reject any and all bids and to select only those bids deemed to be in the best interest of Gulf Coast Water Authority in accordance with the specifications.

Bids must be sealed and marked “Chemical Bid Enclosed” and received by 2:00pm, March 28,2018

Please address:

**Gulf Coast Water Authority
Water Treatment Plant
3630 FM 1765
Texas City, Texas 77591**

If you have any questions, feel free to contact:

Ricky Kettler, Water Plant Superintendent 713-249-2589 or email at rkettler@gcwater.org.

Tony Garcia, Operator II 409-682-0883 or email at tgarcia@gcwater.org

