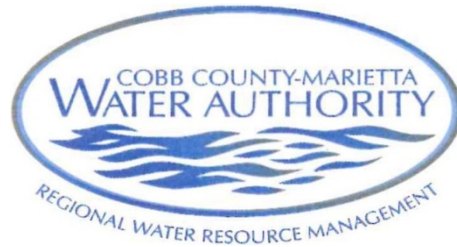


James C. Scott, Jr., Chair  
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Griffin "Grif" L. Chalfant, Jr., Member  
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August 26, 2022

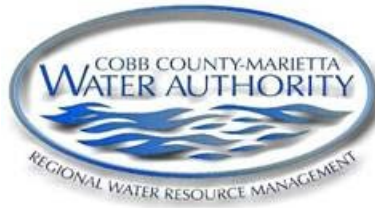
### **BID FOR WATER TREATMENT CHEMICALS**

Sealed contract bids will be received by the Cobb County-Marietta Water Authority Administration and Engineering office at **1170 Atlanta Industrial Drive, Marietta GA 30066** no later than **2:00 pm, Thursday, September 29th** for furnishing the chemicals as set forth on the enclosed **2023 Chemical Specifications, Quantities Bid Form** for the period from **January 1, 2023 to December 31, 2023**. All bids must be mailed and identified as such in order to remain sealed. **No emailed bids accepted. All bids must be addressed to Cobb County – Marietta Water Authority, 1170 Atlanta Industrial Drive, Marietta, GA 30066. Attn: 2023 Chemical Bid.**

The quantities shown are estimates and contracts shall be made on unit prices. Delivery on each of these chemicals shall be ordered as needed, and in lots as specified, and bidder shall take these facts into consideration with submitted bids. No contract shall have a continuation clause beyond the expiration date on the contract. In addition to the particular certifications for each chemical the products quotes must have a statement identifying the country of origin for each product, and country of origin of the raw materials if chemical is a blended product. CCMWA prefers domestic grade products manufactured in the United States of America. Country of origin statement must be included with the bid or the entire bid will be considered unresponsive

The Water Authority reserves the right to accept or reject any and all bids, and to waive all technicalities and to advertise again at its discretion. All contracts shall be subject to the approval of the Water Authority Board. Prices shall be firm for the contract period and f.o.b. **Quarles Treatment Division, 4402 Lower Roswell Rd, Marietta GA 30068 and Wyckoff Treatment Division, 3728 Mars Hill Rd, Acworth Georgia, 30101**. For quantity and delivery details, contact the following: **Brandon Smith or Dale Shoemaker at 770-514-5250 – Marietta (Quarles Plant) or Jacob Robinson or William Blalack at 770-514-5350 – Acworth (Wyckoff Plant)**

Danielle Shipp  
Office Administrator  
Ph: 770-514-5307  
dshipp@ccmwa.org



COBB COUNTY-MARIETTA WATER AUTHORITY

2023 CHEMICAL SPECIFICATIONS, QUANTITIES AND BID FORM

Attention Bidders: In addition to the certifications for each chemical (listed below) the products quoted must have a statement identifying the country of origin for each product and country of origin of the raw materials if the chemical is a blended product. CCMWA prefers domestic grade products manufactured in the United States of America.

The country-of-origin statement, Safety Data Sheet (SDS) and a Chemical Analysis of the chemical must be provided by the successful bidders.

QUANTITY    DESCRIPTION

450 Tons FLUOROSILICIC ACID                      Bid Price \_\_\_\_\_/Ton

**AWWA Standard B703-19 (Attach Certificate of Conformance with ANSI/NSF Standard 60 required per Georgia Rules for Safe Drinking Water Chapter 391-3-5-.04 (7) and identify country of origin for product including origin of raw materials) or latest approved revision, bulk delivery by tank truck in**

18-25 ton lots.

**A chemical analysis of product for antimony, arsenic, barium, cadmium, chromium, copper, lead, mercury, selenium, thallium, and fluoride must be provided by the successful bidder.**

*Delivery to Marietta and Acworth addresses.*

**QUANTITY      DESCRIPTION**

6790 Tons LIQUID CALCIUM HYDROXIDE SLURRY Bid Price \_\_\_\_\_/Ton

AWWA Standard B202-19, ANSI/NSF Standard 60 certified (Attach Certificate of Conformance with ANSI/NSF Standard 60 required per Georgia Rules for Safe Drinking Water Chapter 391-3-5-.04 (7) and identify country of origin for product including origin of raw materials.) or latest approved revision. Calcium hydroxide suspension slurry is an odorless, white liquid suspension NSF 60 approved for use in drinking water treatment applications.

**A chemical analysis of product for antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, selenium, thallium, fluoride must be provided by the successful bidder.**

*Delivery to Marietta and Acworth address.*

**Chemical Analysis:**

Calcium Hydroxide % by weight  
Inert Ingredients, % by weight  
pH of saturated solution  
Particle size  
Specific gravity  
Density  
Freezing Point  
Appearance and odor

**Specifications:**

29.5% to 30.5% aqueous suspension  
69.5% max  
12.4 @ 25° C  
22-96 microns  
1.19 – 1.22 g/ml  
9.92 - 10.17 lbs./gal, US  
32° F (0° C)  
White suspension and odorless

The cost of this chemical varies due to strength. Provide the formula used for calculating the delivered cost from the unit price using the wet weight expressed in \$/ton delivered. **Failure to include the formula may be grounds of dismissal of bid.**

The bid price shall be calculated assuming the following parameters:

Calcium Hydroxide dry solids content @ 30.00%  
Liquid - slurry gallon weight @ 10.10 lbs. /gal  
Liquid – water gallon weight @ 8.34 lbs. / gal  
Temperature @ 60° F.

**Include the mathematical formula used to calculate your bid price in the box below:**

### **Additional Requirements:**

Each shipment of calcium hydroxide slurry may be tested at the time of delivery to assure a density of 9.92-10.17 lbs. /gal and a specific gravity of 1.19-1.22 g/ml. Any calcium hydroxide slurry shipment not meeting these parameters will be refused and then returned to the provider at the provider's expense.

The driver of each calcium hydroxide slurry delivery shall have and provide to the water plant staff a certified stamped scale weight for each shipment upon delivery. A chain of custody record shall also be provided to assure the product delivered is the same as indicated on the certified scale weight certificate.

The Supplier shall certify no quicklime is used in the slurry manufacturing process and only finely ground air-classified hydrated lime is used for preparation of the lime slurry product.

The slurry solids will have 99.99% or higher passing 100 mesh screen. Delivery tankers shall be solely used for shipping lime slurry and equipped with a system to avoid spillage during the off-loading. The delivery driver shall be responsible for adding the correct amount of dilution water and request inspection and analysis of the delivery by the on-site operator. The driver shall be responsible for complete cleanup of any spill(s) originating from the unloading process.

Safety Data Sheets shall be provided with each bid submitted.

The supplier agrees to allow CCMWA employees to have full access to the slurry production and/or shipping facilities on normal workdays during normal business hours. The supplier will advise staff about site safety procedures and personal protection equipment before entering the property.

The supplier will be responsible for the removal and disposal cost of unsuitable product and/or sediment as well as any necessary equipment repairs caused or clogged by the product up till the chemical application point. The supplier will offer on-site technical support at no charge to the CCMWA with regards to chemical feeding, equipment operation/repair and mineralization technology, as needed. Supplier may be required to pass all off-loaded slurry through a basket strainer with 1/16" perforations, prior to the product entering the Owner's storage tanks.

Supplier shall provide a minimum of three (3) surface source drinking water treatment plant references in the State of Georgia that are **currently** using this product and have been for over 12 months. Other references are also encouraged.

*Delivery to Marietta and Acworth addresses.*

2120 Tons ALUMINUM SULFATE Bid Price \_\_\_\_\_/Dry Ton

**AWWA Standard B403-16 (Attach Certificate of Conformance with ANSI/NSF Standard 60 required per Georgia Rules for Safe Drinking Water Chapter 391-3-5-.04 (7) and identify country of origin for product including origin of raw materials.)** or latest approved revision, liquid, 8.3% to be delivered in tank truck lots approximately 4,000 gallons each. Quote dry basis 17% AL<sub>2</sub>O<sub>3</sub> as weight of dry chemical in a water solution. Specific gravity and dry aluminum sulfate content are to be listed on each delivery slip and will be confirmed by the testing of each delivery. The temperature of the Aluminum Sulfate should be no more than 130° F, or the shipment may be denied. A weight certificate from a certified scale is required for each shipment. The purchaser may confirm weight of shipment upon delivery.

**A chemical analysis of product for antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, selenium, and thallium must be provided by the successful bidder.**

*Delivery to Marietta and Acworth addresses.*

Chemical Analysis:

Specifications:

Al<sub>2</sub>O<sub>3</sub> % wet

8.3% as aqueous

Al<sub>2</sub>O<sub>3</sub> % dry

17% as dry

pH of solution

1.9 – 2.5 @ 25° C

Specific gravity

1.33 – 1.34 g/ml

Density

11.09 – 11.17 lbs./gal, US

Delivery Temperature

80°-130° F

Appearance and odor

Clear (< 10 NTU) and odorless

The cost of this chemical varies due to strength. Provide the formula used for calculating the delivered cost from the unit price using the dry weight expressed in \$/ton delivered. **Failure to include the formula may be grounds of bid dismissal.**

For reference, the formula below will be used by CCMWA to determine the dry weight (Al<sub>2</sub>O<sub>3</sub>) content.

*Liquid Gallons \* 8.34 lbs./gal. (liquid per cert. of analysis) / 17% (Al<sub>2</sub>O<sub>3</sub> as Dry) = Dry Pounds*

*Dry Pounds / 2,000 lbs. /ton = Total Cost expressed as \$ per Dry Ton*

**Include the mathematical formula used to calculate your bid price in the box below:**

340 Tons PURATE / PURDOX

Bid Price \_\_\_\_\_/Ton

**FDA, EPA, FIFRA Registered Product** (Attach Certificate of Conformance with ANSI/NSF Standard 60 required per Georgia Rules for Safe Drinking Water Chapter 391-3-5-.04 (7) and identify country of origin for product including origin of raw materials.) Chemical composition, 38 - 42% Sodium Chlorate combined with 7 - 10% Hydrogen Peroxide as a stabilized aqueous solution. PH 2.0 - 5.0, Specific gravity 1.37 - 1.39 at 20° C. Tank Trailer delivery typically 3800 gallons.

**A chemical analysis of product for antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, selenium, thallium, VOC's must be provided by the successful bidder.**

*Delivery to Marietta and Acworth addresses.*

140 Tons SODIUM HYPOCHLORITE

Bid Price \_\_\_\_\_/Ton

**AWWA Standard B300-18** (Attach Certificate of Conformance with ANSI/NSF Standard 60 required per Georgia Rules for Safe Drinking Water Chapter 391-3-5-.04 (7) and identify country of origin for product including origin of raw materials.) or latest approved revision and designated as "a low bromate hypochlorite" by NSF. 15% by trade sodium hypochlorite, available chlorine equal to 12.5% by weight, minimum.

**A chemical analysis of product for antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, selenium, thallium, VOC's, bromate, chlorate and perchlorate must be provided by the successful bidder.**

*Delivery to Marietta and Acworth address.*

pH of 11.5 – 13.0 standard units

Iron less than 0.3 mg/L as iron

Copper less than 0.5 mg /L as copper

Maximum chlorate content of 0.2%

Excess caustic from 4 – 10 mg/L

Sodium Hypochlorite shall be a clear yellow liquid, containing not more than 0.15% insoluble matter by weight per ANSI/AWWA B300-80.

1170 Tons COARSE SALT - Sodium Chloride

Bid Price \_\_\_\_\_/Ton

**AWWA B200-17 Coarse Salt, (Must be Industrial Solar Salt, Mined Salt is not acceptable.)** Must meet **ANSI/AWWA B300-99, NSF 60 Certification** (Attach Certificate of Conformance with ANSI/NSF Standard 60 required per Georgia Rules for Safe Drinking Water Chapter 391-3-5-.04 (7) and identify country of origin for product including origin of raw materials.)

**A chemical analysis of product for antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, selenium, thallium, and bromide must be the successful bidder.**

*Delivery to Marietta and Acworth addresses.*

**Moisture Free Analysis (Dry Basis)**

Sodium Chloride	Not less than 99.00%
Calcium Sulfate	Max 0.20%
Magnesium Chloride	Max 0.06%
Calcium Chloride	Max 0.10%
Magnesium Sulfate	Max 0.02%
Moisture	Max 3.00%
Insoluble' s	Max 0.20%
Density	62 – 70 Lbs. per cubic foot
Lead	Max 0.0007%
Copper	Max 0.0003%
Iron	Max 0.002%

Must be free of debris, organic binders, flow control agents and/or resin cleaning materials.

390 Tons SULFURIC ACID

Bid Price \_\_\_\_\_/Ton

**NSF/ANSI STANDARD 60** (Attach Certificate of Conformance with ANSI/NSF Standard 60 required per Georgia Rules for Safe Drinking Water Chapter 391-3-5-.04 (7) and identify country of origin for product including origin of raw materials.)

**A chemical analysis of product for antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, selenium, thallium, and VOC's must be provided by the successful bidder.**

*Delivery to Acworth and Marietta addresses.*

Chemical Properties	Typical Analysis	Limits	
		Min	Max
H2SO4	77.8%	77.40%	79.00%
Reducing Substances (KMnO4 - as SO2)	12 ppm	-----	60 ppm
Iron (Fe)	19 ppm	-----	50 ppm
Specific Gravity @60° F. – (77.67%)	– 1.7059		
78% Solution 60° Baume. Appearance shall be colorless to slightly yellow liquid, pH <1			

**ALL BIDS MUST COMPLY WITH FOLLOWING REQUIREMENTS:**

- A) **Certificate of Conformance with ANSI/NSF Standard 60 required per Georgia Rules for Safe Drinking Water Chapter 391-3-5-.04 (7) and must be submitted with all bids.**
- B) **Bidder must supply a statement identifying the country (location) and/or origin for the chemical/product, if the chemical is blended, please list the country of origin for all raw materials utilized in the product. The CCMWA prefers domestic grade products manufactured in the United States of America. If this information is not included in the submitted bid, the bid will be incomplete and may be considered non-responsive.**
- C) Contractor agrees to remove from our containers (silos, tanks, or hoppers) chemicals which have been contaminated by excessive solids or other deleterious material from the manufacturing or shipping process.
- D) Deliveries are to be received within 3 days of order unless there is a mutual agreement as to date of receipt. All delivery charges must be, and can only be, approved by the Owner's Superintendent or Supervisor.
- E) The chemical supplier authorizes the Authority employees or representatives to visit and check the manufacturing and/or shipping facilities of any bidder prior to the award of any agreement to supply process chemicals, or at any time during the term of the agreement. The Authority agrees to provide a 24-hour notice prior to such visits. Addresses of manufacturing and shipping sites must be provided with the bid.
- F) Within 30 days of first delivery, at a mutually agreed upon time between site manager and supplier, supplier will conduct appropriate training pertaining to safety and handling.
- G) All chemicals must be packaged and shipped in a manner which complies with all state and federal rules and regulations.
- H) Deliveries arriving earlier than agreed upon time will be denied entry and will not be allowed to park at the gate entry. Delivery hours are from 7:00 am to 4:00 pm Monday through Friday.
- I) Successful bidder shall provide a Safety Data Sheet (SDS) for each product prior to the first delivery. All Safety Data Sheets shall comply to OSHA's latest Hazard Communication Standard (HCS) – (29 CFR 1910.1200(g)) as revised in 2012. The supplier/transporter shall be responsible for adhering to all federal, state, and local safety rules and regulations. All supplier/transporter employees shall adhere to all safety practices and use of approved PPE during off-loading chemicals.
- J) Security Policy & Procedures for Chemical Deliveries.

Chemical suppliers are to supply the following information via email at least 24 hours before delivery to all email contacts for the given delivery location (Wyckoff or Quarles):

- Name and physical description of the driver.
- Copy of driver license.
- Type of product.
- Amount of product.
- Description of vehicle including serial and/or tag number.
- Trailer/Tanker ID with seal ID numbers on the inlet and the outlet of the trailer.
- Trailer tires must be chocked up for safety of secure delivery in accordance to brake regulations from the FMCSA.
- Ride along passengers must be identified in the notification.



- Contractor agrees to meet all specification as set forth above and shall furnish to the Cobb County-Marietta Water Authority, at the discretion of the Authority an analysis of the primary constituents of materials delivered in each shipment.

**Pricing:**

Pricing shall remain firm for the duration of the Contract period. Reasonable price changes based on market conditions and price/cost analysis may be made one (1) time during the Contract period. The Contractor must fully document its request to the Cobb County-Marietta Water Authority, attaching to the request, without limitation, such manufacturer and market data as support for the requested adjustment, such as: documented changes to Producers Price Indexes; Consumer Price Indexes; or a manufacturer's published notification of price change(s). CCMWA may, in its sole discretion, approve or disapprove the requested adjustment in whole or in part.

CCMWA will evaluate the information to determine if revising the pricing is considered fair and reasonable to the satisfaction of CCMWA. Requests for any such change must be received in writing by the Cobb County-Marietta Water Authority thirty (30) days prior to the expiration of the original contract term, or start date of requested price change, whichever comes first. CCMWA may cancel the Contract if the price increase request is not approved.

All price reductions at the manufacturers or distributors' level shall be reflected in a reduction of the Contract price(s) to the Cobb County-Marietta Water Authority retroactive to the effective date of the price reduction(s).

Prices quoted on the Bid Form shall include all fees related to delivery, shipping, unloading, etc. No additional fees or charges will be allowed.

**General Requirements:**

Vendor shall pay for quarterly analysis of a grab sample from use tank by an independent lab. Failure to meet specifications may result in forfeiture of Contract. Additionally, CCMWA reserves the right to randomly check delivered chemical quality via our contract labs. If determined to be out of compliance with these specifications, the awardee shall immediately remove the rejected chemical and provide replacement chemical which meets the requirement of these specifications at no additional cost to CCMWA.

Product that is delivered and rejected, or is tested and fails to meet specifications, must be replaced within 24 hours of notification, or a timeframe agreed to by both parties. In the event the facility may run out of product, the vendor shall be required to provide a temporary feed system and product at no additional expense to CCMWA, until the rejected product is replaced, and the system is restored back to normal operations.

Vendor shall be responsible for proper labeling of all bulk storage tanks for product supplied by vendor, in compliance with local, State, and Federal regulations.

Vendor must provide all necessary tools, equipment, hoses, air compressor, fittings, etc. to offload product.

Vendor shall be responsible for the safe delivery of products into the bulk storage tanks. Vendor shall be responsible for the proper clean up and disposal of any material spills caused by the vendor.

**Please note: Faxed information is no longer acceptable.**

**Wyckoff Water Treatment Plant email contacts:**

[jrobinson@ccmwa.org](mailto:jrobinson@ccmwa.org)

[twilson@ccmwa.org](mailto:twilson@ccmwa.org)

[wblalack@ccmwa.org](mailto:wblalack@ccmwa.org)

[wyckoffoperators@ccmwa.org](mailto:wyckoffoperators@ccmwa.org)

[dshipp@ccmwa.org](mailto:dshipp@ccmwa.org)

**Quarles Water Treatment Plant email contacts:**

[dshoemaker@ccmwa.org](mailto:dshoemaker@ccmwa.org)

[quarles@ccmwa.org](mailto:quarles@ccmwa.org)

[blsmith@ccmwa.org](mailto:blsmith@ccmwa.org)

[takins@ccmwa.org](mailto:takins@ccmwa.org)

[swoodie@ccmwa.org](mailto:swoodie@ccmwa.org)

[emitchell@ccmwa.org](mailto:emitchell@ccmwa.org)

**The Cobb - County Marietta Water Authority reserves the right to accept or reject any or all bids, to waive irregularities and to make an award deemed in its best interest.**

**By signing below, you certify that your Product has met the specifications mentioned above and agree to a firm bid price from January 1, 2023, to December 31, 2023.**

\_\_\_\_\_

Company Name

\_\_\_\_\_

Name of Company Representative (Please Print)

\_\_\_\_\_

Email Address

\_\_\_\_\_

Title

Phone Number

\_\_\_\_\_

Date