



**CENTRALBIDDING**  
FROM CENTRAL AUCTION HOUSE

**Sealed Bid-Proposal for Chemicals for Water Treatment  
Lafourche Parish Water District**

Project documents obtained from [www.CentralBidding.com](http://www.CentralBidding.com)

20-Nov-2017 10:02:33 AM

**Lafourche Parish  
Water Dist. No. 1**

**Date:** November 17, 2017

**Re: ADDENDUM NO. 1 for SEALED BID – PROPOSAL FOR  
CHEMICALS FOR WATER TREATMENT**

**To:** All Holders of Bid Documents for One (1) Year Supply of Chemicals for  
Water Treatment

**From:** Lafourche Parish Water District No. 1

**Via:** Email

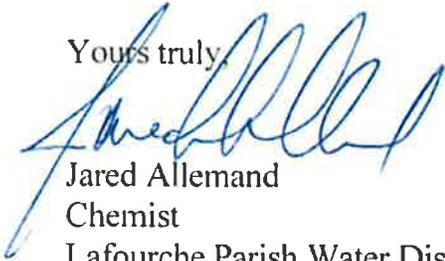
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Paragraph 2 (Content), on page 19 of the Detailed Specifications Section is incorrect. This paragraph should be replaced and read as follows:

The Zinc Orthophosphate shall contain no soluble material or organic substances in quantities capable of producing deleterious or injurious effects on the health of those consuming water that has been properly treated with this product. The active ingredients of the Liquid Zinc Orthophosphate shall consist of Zinc Chloride at a concentration necessary to yield 9% Zinc (as Zn) and Orthophosphoric Acid at a concentration necessary to deliver 45% Phosphate (as O-PO<sub>4</sub>), i.e. 5:1 phosphate/zinc ratio. Failure to comply with these requirements will result in the rejection or termination of the contract. In addition, an Affidavit and Typical Analysis from the manufacturer shall accompany all proposals stating that the product furnished will comply with the standards established in this specification.

Please be aware that **All Bidders** must acknowledge the receipt of this Addendum on the Bid Form where indicated. This applies to **All Bidders regardless of the product being bid**. Please refer to the statement on page 1 of the Bid Form.

Yours truly,



Jared Allemand  
Chemist  
Lafourche Parish Water District No. 1



**Sealed Bid-Proposal for Chemicals for Water Treatment  
Lafourche Parish Water District**

Project documents obtained from [www.CentralBidding.com](http://www.CentralBidding.com)

17-Nov-2017 06:37:31 AM

One (1) Year Supply of  
**Chemicals for Water Treatment**

(from February 1, 2018 through January 31, 2019)

Lafourche Parish Water District No. 1  
P. O. Box 399  
Lockport, LA 70374

October 30, 2017

## NOTICE TO BIDDERS

Sealed bids will be received by the Board of Waterworks Commissioners of Water District No. 1, Parish of Lafourche, State of Louisiana, until the **hour of two-thirty o'clock (2:30) pm**, Wednesday, December 6, 2017, at its regular meeting place, the Water Treatment Plant Office, Lockport, Louisiana, and publicly opened immediately thereafter, for furnishing the following chemicals for water treatment.

1. LIQUID ALUMINUM SULFATE
2. POWDERED ACTIVATED CARBON
3. LIQUID CHLORINE (one-ton cylinder container)
4. CATIONIC POLYELECTROLYTE
5. FLUOROSILICIC ACID
6. ANHYDROUS AMMONIA
7. 20% LIQUID SODIUM PERMANGANATE
8. SODIUM HYPOCHLORITE
9. LIQUID ZINC ORTHOPHOSPHATE

Copies of Bid documents such as Instructions to Bidders, Bid Form, and Detailed Specifications may be obtained from the District's office at:

LAFOURCHE PARISH WATER DISTRICT NO. 1  
5753 HIGHWAY 308  
LOCKPORT, LA 70374

Electronic bids must be submitted through <http://www.centralbidding.com> prior to the electronic bidding deadline. All other bids must be sealed and marked "**SEALED BID - PROPOSAL FOR CHEMICALS FOR WATER TREATMENT**". Any bid received after the announced closing time will be returned unopened.

The contract period is **February 1, 2018 through January 31, 2019.**

BOARD OF WATERWORKS COMMISSIONERS

Sidney Triche, President

Robert Pontif, Jr., Secretary Treasurer

Publications: **November 6, 15, 30, 2017**

## INSTRUCTIONS TO BIDDERS

This proposal is for furnishing chemicals as required for a period of twelve (12) months from the award of contract. **All quantities specified within these documents are estimates based on previous use and/or future projections. The District reserves the right to either increase or decrease the quantities to fulfill its needs.** Any order that cannot be supplied in quantity, or quality, as specified by the contract documents may result in the cancellation of the contract.

**At the end of one year from effective date of executed agreement, and upon mutual consent of both parties, said Contract may be extended for an additional one-year period providing all terms and conditions set forth in original agreement remains the same.**

Each bidder shall carefully check all requirements herein set forth in the specifications and shall offer proposals, which fully comply with these contract documents and specifications, etc. Wherein this proposal offered does not meet these specifications, such exceptions, if made, shall be listed by page number in the following blanks and shall be marked in ink on the pages of these specifications and shall be explained in detail in a letter accompanying this bid. Failure to outline such exceptions will require the said bidder to comply with these specifications.

EXCEPTIONS TO SPECIFICATIONS: None

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The Lafourche Parish Water District No. 1, as a public water utility, is exempted under Act No. 1029 of House Bill No. 1139, from paying any state sales and use tax and sales and use tax levied by any political subdivision. **The unit price bid on each item shall be the amount required to furnish the units FOB to the Lafourche Parish Water District No. 1 Water Treatment Plants, at 5753 Highway 308, Lockport, Louisiana, and/or 1052 Highway 1, Thibodaux, Louisiana, with the exception that Sodium Hypochlorite will be FOB to remote facilities throughout the District's service area.** Destination will be given at the time of the order and may be routed to either, both, or divided between facilities.

All proposals shall be submitted on the Bid Form hereto attached.

Each bidder shall indicate in his proposal, in the space provided for that purpose, delivery time from date of order.

Bidders may submit bids on all or on individual items. Contracts will be awarded for each individual chemical. Subsequent invoices from the successful bidder will reflect the contract price at the time the order was placed.

In the event two or more proposals equal in amount are lowest, the Board of Commissioners of Lafourche Parish Water District No. 1, Lockport, Louisiana, reserves the right to decide whom the contract is to be awarded.

At anytime prior to the scheduled closing time for receipt of proposals, any bidder may withdraw his proposal. After scheduled closing time for the receipt of proposals or before award of the contract, no bidder will be permitted to withdraw his proposal, unless said award is delayed for a period exceeding thirty (30) days or the date of the next regular meeting of the Board, whichever is longer. Negligence on the part of the bidder in preparing the bid confers no rights for the withdrawal of the proposal after it has been opened.

The District's Purification Department's management team shall be the sole judge of any product's effectiveness. This team will have full discretion in terminating any contract where water treatment limitations or shortfalls are discovered.

**All water treatment chemicals proposed must be ANSI/NSF 60 or ANSI/NSF 61 certified. This certification shall be issued by an ANSI accredited third-party certification agency such as the National Sanitation Foundation (NSF), the International Underwriters Laboratory (UL), or other acceptable ANSI accredited third-parties for; a) treatment equipment and b) materials that will be in contact with the water.**

**Before any contracts are awarded, the successful bidder will be required to provide a product data sheet, a copy of the certification agency's product listing page, and a signed letter from a company official stating that each product furnished will comply with the appropriate ANSI/NSF standard as well as the specifications outlined in this packet. This information must be provided upon request and shall be submitted within a timely manner. It is advisable to include these documents with your proposal to eliminate delays.**

**Also, the successful bidder will be required to furnish Lafourche Parish Water District No. 1 with a certificate of insurance. This certificate must also be provided upon request and shall be submitted within a timely manner. It must be issued in the Lafourche Parish Water District No. 1's name and provide the following coverage:**

- 1.) General Liability - \$1,000,000.00 per occurrence, \$1,000,000.00 aggregate, \$1,000,000.00 products/completed operations, along with naming the Lafourche Parish Water District No. 1 as additional insured and waiver of subrogation.
- 2.) Automobile Liability - \$1,000,000.00 per occurrence, along with naming the Lafourche Parish Water District No. 1 as additional insured and waiver of subrogation.
- 3.) Workers Compensation – with \$1,000,000.00 on the employer liability limit and waiver of subrogation. (Owner must be included if owner performs delivery or service work on District premises.)

**Note:** A sample certificate of insurance is attached providing the minimum required language regarding additional insured and waiver of subrogation. **Please use the sample certificate of insurance provided as a guide for the minimum required language and coverage.**

Certificates of insurance acceptable to the District shall be filed with the District. These certificates shall contain a provision that coverages afforded under the policies will not be cancelled unless at least thirty (30) days prior written notice has been given to the District. In addition, it is the responsibility of the supplier to notify District staff of any changes in product carriers.

Proposals may be delivered in person, or may be mailed to reach the Purchaser prior to the opening of bids to:

Lafourche Parish Water District No. 1  
5753 Hwy 308  
P.O. Box 399  
Lockport, LA 70374

All bids shall be enclosed in sealed envelopes addressed to the Purchaser and marked: **“SEALED BID - PROPOSAL FOR CHEMICALS FOR WATER TREATMENT”**.

**Any bid received after the announced closing time will be returned unopened.**

**BID FORM**

**TO:** Lafourche Parish Water District No. 1  
P. O. Box 399  
Lockport, LA 70374

**BID FOR:** Proposal for Chemicals for Water Treatment

The undersigned bidder hereby declares and represents that she/he; a) has carefully examined and understands the Bidding Documents, which include Notice to Bidders, Instructions to Bidders, Bid Form, and Detailed Specifications, b) has not received, relied on, or based his bid on any verbal instructions contrary to the Bidding Documents or any addenda, c) hereby proposes to provide chemicals in strict accordance with the Bidding Documents prepared by: Lafourche Parish Water District No. 1 and dated: October 30, 2017

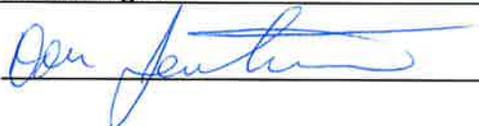
Bidders must acknowledge all addenda. The Bidder acknowledges receipt of the following **ADDENDA:** (Enter the number the Designer has assigned to each of the addenda that the Bidder is acknowledging) Addendum #1

**NAME OF BIDDER:** Mosaic Global Sales, LLC

**ADDRESS OF BIDDER:** 13830 Circa Crossing Drive  
Lithia, FL 33547

**NAME OF AUTHORIZED SIGNATORY OF BIDDER:** Don Jernstrom

**TITLE OF AUTHORIZED SIGNATORY OF BIDDER:** Business Manager

**SIGNATURE OF AUTHORIZED SIGNATORY OF BIDDER:** 

**EMAIL ADDRESS:** FSA.Group@mosaicco.com

**PHONE NUMBER:** 800.578.7891

**DATE:** 12/1/17

NOTE: The accompanying Unit Price Form shall be used for all proposals and shall include delivered unit prices as explained in the Instructions to Bidders section of these contract documents.

**BID FORM**  
**UNIT PRICE FORM**

**TO: Lafourche Parish Water District No. 1**  
**P. O. Box 399**  
**Lockport, LA 70374**

**BID FOR: Proposal for Chemicals for Water Treatment**

**UNIT PRICES:** This form shall be used for bidding on Water Treatment Chemicals as required by the Bidding Documents.  
**Amounts shall be stated in figures and only in figures, and shall provide delivered unit prices.**

<b>DESCRIPTION:</b> Liquid Aluminum Sulfate for water treatment ( <b>NOTE:</b> Bid price based on available Al <sub>2</sub> O <sub>3</sub> )				
REF. NO.	Estimated Annual QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	Delivery: Days required from receipt of Purchase Order to complete shipment
1	650	Dry Tons	NO BID /Dry Ton	

<b>DESCRIPTION:</b> Bagged Powdered Activated Carbon for water treatment				
REF. NO.	Estimated Annual QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	Delivery: Days required from receipt of Purchase Order to complete shipment
2	30,000	Pounds	NO BID /Pound	

<b>DESCRIPTION:</b> Liquid Chlorine for water treatment (one ton cylinder containers)				
REF. NO.	Estimated Annual QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	Delivery: Days required from receipt of Purchase Order to complete shipment
3	200,000	Pounds	NO BID /Pound	

<b>DESCRIPTION:</b> Liquid Cationic Polyelectrolyte for water treatment				
REF. NO.	Estimated Annual QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	Delivery: Days required from receipt of Purchase Order to complete shipment
4	250,000	Pounds	NO BID /Pound	

<b>DESCRIPTION:</b> Bulk Fluorosilicic Acid for water treatment ( <b>NOTE:</b> Bid price on " <b>AS IS</b> " basis – See Detailed Specifications)				
REF. NO.	Estimated Annual QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	Delivery: Days required from receipt of Purchase Order to complete shipment
5	120,000	Pounds	\$0.1715 /Pound	7-10 days

<b>DESCRIPTION:</b> Anhydrous Ammonia for water treatment				
REF. NO.	Estimated Annual QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	Delivery: Days required from receipt of Purchase Order to complete shipment
6	50,000	Pounds	NO BID /Pound	

<b>DESCRIPTION: 20% Liquid Sodium Permanganate for water treatment</b>				
REF. NO.	Estimated Annual QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	Delivery: Days required from receipt of Purchase Order to complete shipment
7	35,000	Pounds	<b>NO BID</b> /Pound	

<b>DESCRIPTION: Sodium Hypochlorite for water treatment</b>				
REF. NO.	Estimated Annual QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	Delivery: Days required from receipt of Purchase Order to complete shipment
8	4,500	Gallons	<b>NO BID</b> /Gallon	

<b>DESCRIPTION: Liquid Zinc Orthophosphate for water treatment</b>				
REF. NO.	Estimated Annual QUANTITY:	UNIT OF MEASURE:	UNIT PRICE	Delivery: Days required from receipt of Purchase Order to complete shipment
9	100,000	Pounds	<b>NO BID</b> /Pound	

Wording for "DESCRIPTION" is to be provided by the Owner.  
 All quantities are estimated. The contractor will be paid based upon actual quantities as verified by the Owner.

## DETAILED SPECIFICATIONS FOR LIQUID ALUMINUM SULFATE

### Reference No. 1

This proposal is for furnishing Liquid Aluminum Sulfate for water treatment, as required.

The Aluminum Sulfate shall be furnished in accordance with AWWA B403-03 specifications or the latest version. The chemical analysis for the Aluminum Sulfate shall be the same as the following typical analysis:

#### TYPICAL ANALYSIS FOR LIQUID ALUMINUM SULFATE

##### ALUMINUM SULFATE - LIQUID GRADE – (BASIS 17% Al<sub>2</sub>O<sub>3</sub>)

Total	Al <sub>2</sub> O <sub>3</sub>	8.00 %
Free	Al <sub>2</sub> O <sub>3</sub>	.10 %
Total	Fe <sub>2</sub> O <sub>3</sub>	.35 %
Water Insoluble matter		.20 %

The Liquid Aluminum Sulfate shall have a minimum soluble Al<sub>2</sub>O<sub>3</sub> of 8.0% suitable for human water supply. The Aluminum Sulfate shall have an approximated Baume' of 36 and a specific gravity of 1.33 at 60° F. The Aluminum Sulfate shall be paid for by the dry ton basis.

The Liquid Aluminum Sulfate shall be reasonably clear. It shall be of such clarity as to permit the reading of low measuring devices without difficulty.

The suspended matter in the Liquid Aluminum Sulfate shall not exceed 0.2 percent. It shall comply with the regulations for marketing.

#### Quantity

This proposal is for furnishing Liquid Aluminum Sulfate, approximately 4,500 gallons per delivery as required. This estimate is based on past use and/or future projections. The District reserves the right to either increase or decrease the quantities to fulfill its needs.

#### Delivery

Deliveries shall be made to Lafourche Parish Water District No. 1, South Treatment Plant, 5753 Highway 308, Lockport, La. or Lafourche Parish Water District No. 1, North Treatment Plant, 1052 Highway 1, Thibodaux, La. Approximately one-third (1/3) of total chemicals would be used at the North Treatment Plant. Destination would be given when order is placed and may be routed to either, both, or divided between the two facilities.

Delivery on all items will be handled during the normal working hours of 7:00 a.m. to 11:30 a.m. and 12:30 p.m. to 3:30 p.m., Monday through Friday only, excluding holidays. No chemicals will be accepted that cannot be unloaded within these hours. Truck driver delivering chemicals must contact proper plant authority upon arrival at plant and prior to unloading.

A Material Safety Data Sheet (MSDS), a Weight Ticket, and a Certified Analysis of the product must be

provided to the District with each delivery. Weight measurements shall be furnished with all deliveries, shall be issued by certified scales, and shall be printed on tickets. The weight calculation from the ticket will be the basis for billing. The cost of weighing shall be at the expense of the contractor.

The Liquid Aluminum Sulfate transportation tank shall be equipped with a tamper proof numbered seal that coincides with the shipping documentation. Once this is verified and all other requirements are met, the alum shall be unloaded into the storage tank. The tank truck shall furnish all power and equipment to unload into storage tank. The Bidders should familiarize themselves with the conditions that exist. The storage tank has a two-inch (2") connection (2" female at South Plant and 2" male at North Plant). Deliverer shall notify proper plant authority prior to unloading.

The tank truck shall have been used for Liquid Aluminum Sulfate transport only. It shall be the responsibility of the supplier to check each transport and determine if any traces of toxic material or any bacteriologically impure material is present in the transport. Failure to do this shall be ground for rejection by the purchaser.

Shipments of Liquid Aluminum Sulfate shall comply with the Interstate Commerce Commission regulations for marketing.

#### General

If the supplier is called in an emergency regarding the application or the storage of the product, a qualified representative with troubleshooting experience shall report to the location in question. This person shall arrive within twenty-four (24) hours after notification from Lafourche Parish Water District No. 1.

#### Indemnification

The Contractor will indemnify and hold harmless the District and their agents and employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom; and is caused in whole or in part, directly or indirectly, by any negligent or willful act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable.

## DETAILED SPECIFICATIONS FOR POWDERED ACTIVATED CARBON

### Reference No. 2

The Powdered Activated Carbon (PAC) shall be furnished in accordance with ANSI/AWWA B600-16 specifications or the latest revision.

The PAC to be supplied shall be virgin, powdered, and manufactured from wood, coconut shell, lignite, reagglomerated sub-bituminous, or reagglomerated bituminous coal (combined with suitable binders). The PAC shall be visually free of clay, dirt and deleterious material.

The PAC shall be suitable for use in a potable water treatment plant and be effective in the removal of tastes and odors, specifically 2-MIB, and/or other target compounds, to the prescribed acceptable levels as described herein.

All PAC products must be pre-approved for use by the District. Any supplier wishing to obtain this approval must satisfy the requirements and conditions of performance testing and prove satisfactory in removing 75% 2-MIB with a 50 mg/l dose, as outlined in the Performance Testing section below. All PAC pre-approvals must be granted by September 15 of a given year to be eligible to participate in the approaching bid the same year. The District will be under no obligation to grant pre-approval for the upcoming bid cycle if unforeseen or unavoidable delays occur during the approval process. If a PAC is granted pre-approval after the September 15 deadline, it will only be eligible to participate in bid cycles in subsequent years.

The following products have been satisfactorily tested and approved for use by the District.

Calgon Carbon – WPH-1000  
Ingevity – Aqua Nuchar  
Carbon Activated – W-PL 900  
Jacobi Carbons – AquaSorb CB1-MW

Equivalent products will be acceptable as long as the product meets the following specifications and has been pre-approved, as described in the Performance Testing section below:

Iodine Number, mg/g	900 minimum
Moisture as packed, wt. %	8 maximum
Mesh size	
Passing 325 mesh (45 µm), %	99 minimum

### Contents

All document requests for product information shall contain, at minimum, the following:

- Minimum iodine number
- Maximum moisture as packed (percent)

- Mesh size
- Bulk density

#### Performance Testing

Any supplier wishing to submit a PAC bid for the upcoming bid cycle must obtain pre-approval by the District no later than September 15. Pre-approval will only be granted to those PACs that have completed a performance test (using the District's water) and that have proven satisfactory in meeting the performance criteria of achieving a minimum 75% 2-MIB removal at a dose of 50 mg/L. Any PAC that has not obtained pre-approval by September 15 will not be allowed to submit a bid for the approaching bid cycle. In addition, the District will be under no obligation to grant pre-approval for the upcoming bid cycle if unforeseen or unavoidable delays occur during the approval process. If a PAC is granted pre-approval after the September 15 deadline, it will only be eligible to participate in bid cycles in subsequent years.

Performance testing will be offered only once each year for all PAC products seeking pre-approval. And, all eligible PACs will be tested and evaluated at the same time. Consequently, all suppliers interested in participating in the performance test must submit a letter of interest to the District by July 1. If this date falls on a weekend or holiday, the next business day will be considered the deadline. Any letter of interest from a supplier regarding a PAC product received after July 1 will not be allowed to participate in the performance test until the following year. Accompanying this letter shall be a technical data sheet and a Material Safety Data Sheet (MSDS) of the product. The technical data sheet must include the minimum iodine number, maximum moisture content, bulk density, and mesh size details of the proposed PAC product, at a minimum. Based upon review of properties and specifications of the PAC, the District will notify the supplier by July 15, if their product has been accepted for performance testing. For those PACs that are granted a performance test, a supplemental packet outlining the specific details of the test will be provided. This packet includes additional details such as deadlines, test protocol, evaluation of results, and associated costs for the PAC performance testing.

#### Quantity

This proposal is for furnishing bagged PAC. The bagged PAC shall be in forty or fifty-pound multi-walled sealed bags, approximately 300 bags per delivery as required. This estimate is based on past use and/or future projections. The District reserves the right to either increase or decrease the quantities to fulfill its needs.

#### Delivery

Deliveries shall be made to Lafourche Parish Water District No. 1, South Treatment Plant, 5753 Highway 308, Lockport, La. or Lafourche Parish Water District No. 1, North Treatment Plant, 1052 Highway 1, Thibodaux, La. Destination for delivery would be provided when order is placed and may be routed to either, both, or divided between the two facilities. Deliverer shall notify proper plant authority prior to unloading.

Delivery on all items will be handled during the normal working hours of 7:00 a.m. to 11:30 a.m. and 12:30 p.m. to 3:30 p.m., Monday through Friday only, excluding holidays. No chemicals will be accepted that cannot be unloaded within these hours. Truck driver delivering chemicals must contact proper plant authority upon arrival and prior to unloading.

A Material Safety Data Sheet (MSDS) and a Certificate of Analysis of the product must be provided to the District with each delivery. The District also reserves the right to sample each lot and independently validate the quality of the supplied product.

PAC shall be dry and in good condition and protected from weather in transit. PAC shall not be unloaded when it is raining. PAC shall be unloaded by Lafourche Parish Water District No. 1 personnel. PAC bags with leaks or broken seals may not be accepted. The PAC supplier and/or the Contractor will be responsible for cleanup of all PAC spills that may occur during the transfer operation.

Pallets shall be placed on truck with opening to outside for easy access with forklift. Bags on pallets shall not be stacked more than ten (10) rows high.

#### General

If the supplier is called in an emergency regarding the application or the storage of the product, a qualified representative with troubleshooting experience shall report to the location in question. This person shall arrive within twenty-four (24) hours after notification from Lafourche Parish Water District No. 1.

#### Indemnification

The Contractor will indemnify and hold harmless the District and their agents and employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom; and is caused in whole or in part, directly or indirectly, by any negligent or willful act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable.

## DETAILED SPECIFICATIONS FOR LIQUID CHLORINE (One-ton containers)

### Reference No. 3

The Liquid Chlorine (in one-ton containers) shall be furnished in accordance with AWWA B301-04 specifications. Liquid Chlorine shall be 99.5% pure by volume as obtained from vaporized liquid chlorine and suitable for the treatment of water.

### Quantity

This proposal is for furnishing Liquid Chlorine, packed in one-ton capacity steel containers. A typical order consists of delivering three (3) cylinders to the South Plant and one (1) or two (2) cylinders to the North Plant. The District reserves the right to increase or decrease this amount as necessary.

### Delivery

Deliveries shall be made to Lafourche Parish Water District No. 1, South Treatment Plant, 5753 Highway 308, Lockport, La. or Lafourche Parish Water District No. 1, North Treatment Plant, 1052 Highway 1, Thibodaux, La. Approximately one-third (1/3) of total chemicals would be used at the North Treatment Plant. Destination would be given when order is placed and may be routed to either, both, or divided between the two facilities. Deliverer shall notify proper plant authority prior to unloading.

Delivery on all items will be handled during the normal working hours of 7:00 a.m. to 11:30 a.m. and 12:30 p.m. to 3:30 p.m., Monday through Friday only, excluding holidays. No chemicals will be accepted that cannot be unloaded within these hours. Truck driver delivering chemicals must contact proper plant authority upon arrival at plant and prior to unloading.

A Material Safety Data Sheet (MSDS) and a Certified Analysis of the product must be provided to the District with each delivery. Weight measurements shall be furnished with all deliveries.

The delivery truck will be of the open flat bed type and must be equipped for unloading. Before unloading, the driver shall remove each valve cover and allow District personnel to visually inspect the valves for leaks. The District will reject containers that appear to be leaking or in poor condition. Once District personnel inspect and accept the delivery, the driver may then unload. Deliverer in exchange will pick up the empty containers.

### General

Containers shall be reconditioned, maintained, and loaded in strict accordance with the latest edition of the Chlorine Institute Pamphlet 17. The District will reject containers that generally appear to be in poor condition. In addition, out of date hydrostatic test or missing serial numbers will be cause for rejection.

Supplier shall conduct a comprehensive chlorine training class to include general chlorine safety, hands-on chlorine repair kit training, etc. This will be conducted once per twelve-month period at the District's convenience.

If the supplier is called in an emergency regarding the application or the storage of the product, a qualified representative with troubleshooting experience shall report to the location in question. This person shall arrive within twenty-four (24) hours after notification from Lafourche Parish Water District No. 1.

Indemnification

The Contractor will indemnify and hold harmless the District and their agents and employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom; and is caused in whole or in part, directly or indirectly, by any negligent or willful act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable.

## DETAILED SPECIFICATIONS FOR LIQUID CATIONIC POLYELECTROLYTE

### Reference No. 4

Liquid Cationic Polyelectrolyte, referred to herein as Polyelectrolyte, must meet all specifications, standards and requirements of AWWA-B451-04, or latest version, the USHEW, the USEPA, the Louisiana State Office of Public Health and obtain a performance approval from the Lafourche Parish Water District No. 1. The product must be suitable in all respects for use in purification of water for drinking purposes. The Polyelectrolyte is to be used as a coagulant aid. Liquid Alum is used as the primary coagulant.

The product must be soluble in water in all proportions, and have a viscosity that will not affect the pumping action of the material at ambient temperatures. The material must remain stable if stored at ambient temperatures up to six (6) months. The Polyelectrolyte must be compatible and stable with other Polyelectrolytes, Chlorine, Ammonia, and other chemicals used for water treatment. It must be approved by USEPA and Louisiana OPH for use at levels up to 20 parts per million.

### Contents

Each shipment furnished to the Lafourche Parish Water District No. 1 shall provide a product that contains not less than 20 percent (%) active polymer. A Certified Analysis of the product must be provided to the District with each delivery. Also, the Lafourche Parish Water District No. 1 shall be notified, in writing, of acrylamide and epichlorohydrin levels contained in the product. This shall be submitted upon the initial shipment and any time requested otherwise.

### Performance Trial

Any supplier wishing to gain approval for bidding on Polyelectrolytes, must be pre-approved by September 15 to be included in the approaching bid cycle. The supplier shall begin the process by submitting a letter regarding their intention to conduct a performance trial. Included in this letter shall be a price per pound quotation (delivered). Accompanying this letter should be a typical product analysis and an MSDS of the product. After reviewing these documents, the District will notify the supplier, in writing, whether the trial has been granted. If it has, two (2) fifty-five gallon drums of product must be delivered to the Lafourche Parish Water District No. 1, 5753 Highway 308, Lockport, LA 70374, free of all cost. For a period of at least four (4) weeks during cool weather months, a trial will be conducted at the convenience of the purification department and will use regular plant personnel and equipment. If the preliminary evaluation is inconclusive, the Lafourche Parish Water District No. 1 may purchase additional product, at the quoted price, to continue the trial. The product must prove to be equal in performance and in dosage requirements to gain approval. The Purification Division Manager shall be the sole judge of performance and his approval or disapproval shall be final. He also has the authority to interrupt or discontinue the trial at any time without obligation of the Water District. If the test run is terminated, the remainder of the Polyelectrolyte shall be picked up by the supplier and a full refund shall be promptly issued to the Lafourche Parish Water District No. 1 for the unused amount.

The following products have been satisfactorily tested and approved.

Nalco Company	Cat Flocc TL
Cytec Industries	Magna Flocc 587C
CitiChem	Chemflocc 615
Thornton, Musso, & Bellemin, Inc.	TMB 1912
Specialty Polymers & Chemicals, Inc.	SPC-725
Polydyne, Inc.	Clariflocc (R) C-308 P
Industrial Chemicals, Inc.	IC-332

Should an approved product fail to provide continued satisfactory performance at a competitive dosage level, it shall be disapproved at the sole discretion of the Purification Division Manager.

Proposals received by contractors, whose products have not been satisfactorily tested and approved, will be rejected.

#### Quantity

Quantity shall be the amount required by the Treatment Plant when and as needed. The estimated quantity is about 250,000 pounds annually, but this amount should be used as a guide only. This estimate is based on past use and/or future projections. The District reserves the right to either increase or decrease the quantities to fulfill its needs.

#### Delivery

Delivery shall be prepaid in a bulk tank truck usually about 35,000 pounds per delivery, as released by the Purification Division Manager during the bid contract period. Delivery will be divided between Lafourche Parish Water District No. 1, South Treatment Plant, at 5753 Highway 308, Lockport, LA, and Lafourche Parish Water District No. 1, North Treatment Plant, at 1052 Highway 1, Thibodaux, LA. Destination would be given when order is placed and may be routed to either, both, or divided between the two facilities. Deliverer shall notify proper plant authority prior to unloading.

The Polymer transportation tank shall be equipped with a tamper proof numbered seal that coincides with the shipping documentation. Once this is verified and all other requirements are met, the polymer shall be unloaded into the storage tank. The delivery truck shall be equipped with the necessary equipment and connections to pump the shipment into the treatment plant's bulk system. Storage Tanks at the South Plant and North Plant have two-inch (2") male connections.

Delivery on all items will be handled during the normal working hours of 7:00 a.m. to 11:30 a.m. and 12:30 p.m. to 3:30 p.m., Monday through Friday only, excluding holidays. No chemicals will be accepted that cannot be unloaded within these hours. Truck driver delivering chemicals must contact proper plant authority upon arrival at plant and prior to unloading.

A Material Safety Data Sheet (MSDS), a Weight Ticket, and a Certified Analysis of the product must be provided to the District with each delivery. Weight measurements shall be furnished with all deliveries, shall be issued by certified scales, and shall be printed on tickets. The weight calculated from the ticket will be the basis for billing. The cost of weighing shall be at the expense of the contractor.

### General

The bid price shall be the total bulk delivered price per pound of Liquid Cationic Polyelectrolyte. It shall include all cost including royalties, etc. due for the use of material purchased, the furnishing, and delivery, as released of Polyelectrolyte FOB the Lafourche Parish Water District No. 1 "NORTH TREATMENT PLANT", near Thibodaux La. and "SOUTH TREATMENT PLANT", near Lockport, La.

If the supplier is called in an emergency regarding the application or the storage of the product, a qualified representative with troubleshooting experience shall report to the location in question. This person shall arrive within twenty-four (24) hours after notification from Lafourche Parish Water District No. 1.

### Indemnification

The Contractor will indemnify and hold harmless the District and their agents and employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom; and is caused in whole or in part, directly or indirectly, by any negligent or willful act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable.

## DETAILED SPECIFICATIONS FOR FLUOROSILICIC ACID

### Reference No. 5

Fluorosilicic acid shall be furnished with not less than 23% and with no more than 25%  $H_2SiF_6$  by weight and in accordance with AWWA Standards for Fluorosilicic acid, ANSI/AWWA B703-06, or the latest version. A Certified Analysis of the product must be provided to the District with each delivery. If the analysis shows that the product is not within 23%-25%  $H_2SiF_6$ , it will automatically be rejected.

The bid price on the attached Bid Form must be provided on an "AS IS" basis where no adjustments for the product strength will be allowed for billing purposes. Weight measurements shall be furnished with all deliveries, shall be issued by certified scales, and shall be printed on tickets. The weight calculated from the ticket will be the basis for billing. The cost of weighing shall be at the expense of the contractor.

The Fluorosilicic acid supplied under this contract shall be clean and free of visible suspended matter.

Fluorosilicic acid supplied under this standard shall contain no mineral or organic substances in quantities capable of:

- a) producing deleterious or injurious effects on the health of those consuming water that has been properly treated with the fluorosilicic acid or,
- b) causing water treated to fail to meet the US EPA drinking water regulations.

Fluorosilicic acid supplied under this standard shall contain not more than 0.020 percent by weight of heavy metals, expressed as lead (Pb).

### Delivery

Delivery shall be prepaid in a bulk truck usually about 4,000 gallons per delivery, as released by the Purification Division Manager during the bid contract period. The estimated quantity is about 7,500 gallons annually, but this amount should be used as a guide only. Delivery will be divided between Lafourche Parish Water District No. 1, South Treatment Plant, 5753 Highway 308, Lockport, LA and Lafourche Parish Water District No. 1, North Treatment Plant, 1052 Highway 1, Thibodaux, LA. Destination would be given when order is placed and may be routed to either, both, or divided between the two facilities. Deliverer shall notify proper plant authority prior to unloading.

The Fluorosilicic acid transportation tank shall be equipped with a tamper proof numbered seal that coincides with the shipping documentation. Once this is verified and all other requirements are met, the fluoride shall be unloaded into the storage tank. The delivery truck shall be equipped with the necessary equipment and connections to pump the shipment into the treatment plant's bulk system. South Plant has a two-inch (2") male connection and the North Plant has a two-inch (2") male connection.

Delivery on all items will be handled during the normal working hours of 7:00 a.m. to 11:30 a.m. and 12:30 p.m. to 3:30 p.m., Monday through Friday only, excluding holidays. No chemicals will be accepted that cannot be unloaded within these hours. Truck driver delivering chemicals must contact proper plant authority upon arrival at plant and prior to unloading.

A Material Safety Data Sheet (MSDS), a Weight Ticket, and a Certified Analysis of the product must be provided to the District with each delivery. Weight measurements shall be furnished with all deliveries, shall be issued by certified scales, and shall be printed on tickets. The weight calculated from the ticket will be the basis for billing. The cost of weighing shall be at the expense of the contractor.

Delivery shall be made as required upon issuance of a purchase order from proper District personnel.

Price per pound shall include all transportation charges to Thibodaux, La. and Lockport, La. plants. No delay or waiting time will be paid by Lafourche Parish Water District No. 1 unless it is determined that the District is at fault.

#### General

If the supplier is called in an emergency regarding the application or the storage of the product, a qualified representative with troubleshooting experience shall report to the location in question. This person shall arrive within twenty-four (24) hours after notification from Lafourche Parish Water District No. 1.

#### Indemnification

The Contractor will indemnify and hold harmless the District and their agents and employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom; and is caused in whole or in part, directly or indirectly, by any negligent or willful act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable.

## DETAILED SPECIFICATIONS FOR ANHYDROUS AMMONIA

### Reference No. 6

This proposal is for furnishing Anhydrous Ammonia for use in water treatment. It shall be premium refrigeration grade containing not less than 99.95 % ammonia. The Anhydrous Ammonia shall be furnished in accordance with ANSI/AWWA B305-06, or latest revision, except as modified or supplemented herein. Failure to comply with this requirement will result in the termination of the contract.

Additionally, this product must be suitable for treatment of drinking water and certified by an accredited certification organization in accordance with ANSI/NSF 60. It is the responsibility of the supplier to inform the Lafourche Parish Water District No. 1 that ANSI/NSF 60 certification has been revoked or lapsed within 24 hours of the time the supplier receives verbal or written notification. Loss of certification shall be grounds for immediate termination of the contract.

The Anhydrous Ammonia shall be free of foreign materials that may cause excessive clogging of feed equipment.

### Quantity

This proposal is for furnishing Anhydrous Ammonia, approximately 3,000 pounds per delivery as required. This estimate is based on past use and/or future projections. The District reserves the right to either increase or decrease the quantities to fulfill its needs.

### Delivery

Deliveries shall be made to Lafourche Parish Water District No. 1, South Treatment Plant, 5753 Highway 308, Lockport, La. or Lafourche Parish Water District No. 1, North Treatment Plant, 1052 Highway 1, Thibodaux, LA within two working days of order. Approximately one-third (1/3) of total chemicals would be used at the North Treatment Plant. Destination would be given when order is placed and may be routed to either, both, or divided between the two facilities. Deliverer shall notify proper plant authority prior to unloading.

Delivery truck must be equipped with necessary equipment, fittings, and hoses to unload the product into the treatment plants' holding tanks.

Delivery on all items will be handled during the normal working hours of 7:00 a.m. to 11:30 a.m. and 12:30 p.m. to 3:30 p.m., Monday through Friday only, excluding holidays. No chemicals will be accepted that cannot be unloaded within these hours. Truck driver delivering chemicals must contact proper plant authority upon arrival at plant and prior to unloading.

A Material Safety Data Sheet (MSDS) and a Certified Analysis of the product must be provided to the District with each delivery. Weight measurements shall be furnished with each delivery.

The supplier shall furnish all power and equipment to unload shipment into storage tank. The bidders should familiarize themselves with the conditions that exist. Deliverer shall notify proper plant authority prior to unloading.

### General

Supplier shall provide the District with a copy of the product's NSF approval with every delivery.

If the supplier is called in an emergency regarding the application or the storage of the product, a qualified representative with troubleshooting experience shall report to the location in question within twenty-four (24) hours of notification. In addition, if a situation arises that requires the extraction of Anhydrous Ammonia from any of the District's storage tanks, the supplier shall be responsible for providing this service within twenty-four (24) hours of notification.

The supplier will be responsible for inspections of the District's pressure relief valves on all Anhydrous Ammonia storage tanks.

### Indemnification

The Contractor will indemnify and hold harmless the District and their agents and employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom; and is caused in whole or in part, directly or indirectly, by any negligent or willful act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable.

## DETAILED SPECIFICATIONS FOR 20% LIQUID SODIUM PERMANGANATE

### Reference No. 7

The Liquid Sodium Permanganate (20%) shall be furnished in accordance with AWWA B603-03 specifications. The Liquid Sodium Permanganate shall be certified by the National Sanitation Foundation (NSF) Standard 60 and suitable for the treatment of drinking water. In addition, each storage container shall have all the proper markings, labels, identifications, etc. needed to meet all Federal and State transportation and storage requirements.

### Quantity

This proposal is for furnishing 20% Liquid Sodium Permanganate delivered in approximately 270 gallon chemical tote bins. A typical order consists of a four (4) tote delivery to the South Plant and a two (2) tote delivery to the North Plant. The District reserves the right to increase or decrease this amount as necessary.

### Delivery

Deliveries shall be made to Lafourche Parish Water District No. 1, South Treatment Plant, 5753 Highway 308, Lockport, La. or Lafourche Parish Water District No. 1, North Treatment Plant, 1052 Highway 1, Thibodaux, La. Destination would be given when the order is placed and may be placed for either plant or both plants at that time. Deliverer shall notify proper plant authority prior to unloading.

Delivery on all items will be handled during the normal working hours of 7:00 a.m. to 11:30 a.m. and 12:30 p.m. to 3:30 p.m., Monday through Friday only, excluding holidays. No chemicals will be accepted that cannot be unloaded within these hours. Truck driver delivering chemicals must contact proper plant authority upon arrival at plant and prior to unloading.

A Material Safety Data Sheet (MSDS) and a Certified Analysis of the product must be provided to the District with each delivery. Weight measurements shall be furnished with each delivery.

The District will reject containers that appear to be leaking or in poor condition. Once District personnel inspect and accept the delivery, the driver may then unload.

### General

The supplier will be responsible for having all empty tote bins removed from the District's facilities. These tote bins must be removed from the District's premises within 14 days of the request.

If the supplier is called in an emergency regarding the application or the storage of the product, a qualified representative with troubleshooting experience shall report to the location in question. This person shall arrive within twenty-four (24) hours after notification from Lafourche Parish Water District No. 1.

### Indemnification

The Contractor will indemnify and hold harmless the District and their agents and employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the

performance of the Work, provided that any such claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom; and is caused in whole or in part, directly or indirectly, by any negligent or willful act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable.

## DETAILED SPECIFICATIONS FOR SODIUM HYPOCHLORITE

### Reference No. 8

The Sodium Hypochlorite shall be provided with a minimum available chlorine of 10% and furnished in accordance with AWWA's Standard B-300-04, or latest revision, except as modified or supplemented herein. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with NSF/ANSI Standard 60, Drinking Water Treatment Chemicals – Health Effects. It is the responsibility of the supplier to inform the Lafourche Parish Water District No. 1 that NSF/ANSI 60 certification has been revoked or lapsed within 24 hours of the time the supplier receives verbal or written notification. Loss of certification shall be grounds for immediate termination of the contract.

The Sodium Hypochlorite shall have a minimum available chlorine of 10%. A certification of analyses must accompany all deliveries to ensure the concentration complies with the minimum allowable concentration.

The Sodium Hypochlorite must be a clear light-yellow colored liquid with no visible cloudiness, impurities, or sediment. It shall contain no soluble materials or organic substances in quantities capable of producing deleterious or injurious effects on the health of those consuming water treated with the Sodium Hypochlorite.

### Quantity

This proposal is for furnishing Sodium Hypochlorite with a minimum of 10% available chlorine, delivered in small bulk quantities to various locations throughout the District's service area. A typical order consists of approximately 400 gallons (divided amongst multiple locations as described in the next section); however, the District reserves the right to increase or decrease this amount as necessary. The minimum permissible order shall be no greater than 80 gallons which means that the supplier must deliver all quantities of 80 gallons and greater at the contracted price. Generally, most orders are placed between April and October, however, smaller and less frequent deliveries may be needed throughout the entire year.

### Delivery

Typically, requests for deliveries are to 4878 Highway 182, Houma, LA, 70364, and to 23203 Highway 1, Golden Meadow, LA, 70347. However, some deliveries may be necessary at other locations within the District's service area on an as needed basis. The destination will be given when the order is placed and may be routed to a single location or distributed between multiple locations. All facilities where product will be offloaded are owned and operated by the Lafourche Parish Water District No. 1 and are typically unmanned. Therefore, all deliveries must be coordinated with the District in advance so delivery personnel can gain access to the facilities. The deliverer shall notify proper District authority at least 1 hour prior to arrival and must have a company cell phone to help facilitate the delivery. Delivery personnel shall never begin unloading product until a District representative is on site and has granted authorization.

The supplier shall make "normal" deliveries within 72 hours after receipt of order, excluding weekends, and must make "emergency" deliveries within 24 hours, including weekends. An emergency delivery is

defined as a delivery which is necessary in order to prevent the District from running out of Sodium Hypochlorite in less than 24 hours. The District will endeavor to minimize the number of “emergency” deliveries.

Delivery of Sodium Hypochlorite will be accepted during the normal working hours of 8:00 a.m. to 11:30 a.m. and 12:30 p.m. to 3:00 p.m., Monday through Friday only, excluding holidays. No chemicals will be accepted that cannot be unloaded within these hours.

Most delivery locations have limited access. Therefore, in order to maneuver tight turns and facilitate safe parking, the Sodium Hypochlorite must be delivered in a truck with a capacity no larger than 3,000 gallons. The supplier is responsible for pumping Sodium Hypochlorite into small bulk storage tanks at the designated delivery site and shall provide all necessary hoses, fittings, pumps, etc. required to safely and efficiently offload the product. Packaging and transportation of liquid Sodium Hypochlorite shall conform to all current regulations of the State of Louisiana, the US Department of Transportation, and all other applicable regulatory agencies.

The supplier shall be responsible for any spills resulting from the failure of its or its subcontractor’s delivery equipment or from failure of delivery personnel in the performance of their duties. The supplier shall take immediate and appropriate action to clean up the spill, and the cost of such service will be the supplier’s responsibility.

A Material Safety Data Sheet (MSDS) and a Certified Analysis of the product must be provided to the District with each delivery.

#### General

If the supplier is called in an emergency regarding the application or the storage of the product, a qualified representative with troubleshooting experience shall report to the location in question. This person shall arrive within twenty-four (24) hours after notification from Lafourche Parish Water District No. 1.

#### Indemnification

The Contractor will indemnify and hold harmless the District and their agents and employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom; and is caused in whole or in part, directly or indirectly, by any negligent or willful act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable.

## DETAILED SPECIFICATIONS FOR LIQUID ZINC ORTHOPHOSPHATE

### Reference No. 9

This proposal is for furnishing Liquid Zinc Orthophosphate for use as a corrosion inhibitor in a potable drinking water supply. The Zinc Orthophosphate solution shall be furnished in accordance with ANSI/AWWA B506-06, or latest revision, except as modified or supplemented herein. Additionally, this product must be suitable for treatment of drinking water and certified by an accredited certification organization in accordance with ANSI/NSF 60. It is the responsibility of the supplier to inform the Lafourche Parish Water District No. 1 that ANSI/NSF 60 certification has been revoked or lapsed within 24 hours of the time the supplier receives verbal or written notification. Loss of certification shall be grounds for immediate termination of the contract.

### Content

The Zinc Orthophosphate shall contain no soluble material or organic substances in quantities capable of producing deleterious or injurious effects on the health of those consuming water that has been properly treated with this product. The active ingredients of the Liquid Zinc Orthophosphate shall consist of 9% Zinc Chloride and 46% Orthophosphoric Acid (5:1 phosphate/zinc ratio). Failure to comply with these requirements will result in the rejection or termination of the contract. In addition, an Affidavit and Typical Analysis from the manufacturer shall accompany all proposals stating that the product furnished will comply with the standards established in this specification.

### Quantity

This proposal is for furnishing Zinc Orthophosphate in bulk as needed. The estimated annual amount is approximately 7,500 gallons. This estimate is based on past use and/or future projections. The District reserves the right to either increase or decrease quantities to fulfill its needs. In addition, the minimum permissible order shall be no greater than 500 gallons which means that the supplier must deliver all quantities of 500 gallons and greater at the contracted price.

### Delivery

Deliveries shall be made to Lafourche Parish Water District No. 1, South Treatment Plant, 5753 Highway 308, Lockport, La. or Lafourche Parish Water District No. 1, North Treatment Plant, 1052 Highway 1, Thibodaux, LA. Approximately one-third (1/3) of total chemicals would be used at North Treatment Plant. Destination will be given when order is placed and may be routed to either, both, or divided between the two facilities. Deliverer shall notify proper plant authority prior to unloading.

Delivery truck shall be equipped with the necessary equipment and connections for unloading the product into each treatment plant's bulk storage system.

Delivery on all items will be handled during the normal working hours of 7:00 a.m. to 11:30 a.m. and 12:30 p.m. to 3:30 p.m., Monday through Friday only, excluding holidays. No chemicals will be accepted that cannot be unloaded within these hours. Truck driver delivering chemicals must contact proper plant authority upon arrival at plant and prior to unloading.

A Material Safety Data Sheet (MSDS) and a Certified Analysis of the product must be provided to the

District with each delivery. Weight measurements shall be furnished with each delivery.

Suppliers should familiarize themselves with the conditions that exist. Deliverer shall notify proper plant authority prior to unloading.

#### General

To facilitate the requirements listed below, the District is including a geographic preference for suppliers to be considered and subsequently awarded this contract. To comply with this geographical requirement, prospective suppliers shall provide proof of having a highly qualified technical representative staffed at a company owned and operated facility located within 300 miles of zip code 70374. This technical representative will be required to perform the following:

- Shall provide technical assistance for all matters relating to corrosion control for the District's water system.
- Shall report to the District's facilities in question within twenty-four hours (24) of notification if the supplier is called in an emergency regarding the application or the storage of the product. The technical representative shall be required to assist in troubleshooting, diagnosing, and resolving any issues that arise.
- Shall visit the plant not less than once every three months for a minimum of two hours each visit. The bid price shall also include any and all cost for this representative to deliver, install/replace, have analyzed by an independent laboratory, and report the results of five (5) sets of corrosion coupons (steel and copper) located throughout the District's distribution system. This visit will allow the supplier and the District to evaluate the performance of the product. Based on this evaluation, the supplier would be expected to provide recommendations for improved corrosion control.

The District's purification department's management team shall be the sole judge of the product's effectiveness regarding corrosion control. This team will have full discretion in terminating the contract if corrosion control limitations or shortfalls are discovered.

Supplier shall provide the District with a copy of the product's MSDS, a weight measurement, and a certified analysis with every delivery.

#### Indemnification:

The Contractor will indemnify and hold harmless the District and their agents and employees from and against all claims, damages, losses and expenses including attorneys' fees arising out of or resulting from the performance of the Work, provided that any such claims, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property, including the loss of use resulting therefrom; and is caused in whole or in part, directly or indirectly, by any negligent or willful act or omission of the Contractor, any Subcontractor, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable.

CERTIFICATE OF LIABILITY INSURANCE				DATE (MM/DD/YYYY)		
PRODUCER		THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.				
INSURED		INSURERS AFFORDING COVERAGE		NAIC #		
		INSURER A				
		INSURER B				
		INSURER C				
		INSURER D				
		INSURER E				
<b>COVERAGES</b>						
<small>THE POLICIES OF LIABILITY LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. AGGREGATE LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.</small>						
INSR. A/LTR	INSRD	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
		GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER <input type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC				EACH OCCURRENCE \$ 1,000,000 DAMAGES TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 1,000,000 PRODUCTS - COM/PROP AGG \$ 1,000,000
		AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	<b>SAMPLE</b>			COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
		GARAGE LIABILITY <input type="checkbox"/> ANY AUTO				AUTO ONLY - EA ACCIDENT \$ OTHER THAN EA ACC \$ AUTO ONLY ACC \$
		EXCESS/UMBRELLA LIABILITY <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS MADE  <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$				EACH OCCURRENCE \$ AGGREGATE \$ \$ \$
		WORKERS COMPENSATION AND EMPLOYERS LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED <small>If req. describe under SPECIAL PROVISIONS below</small>				<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input type="checkbox"/> FORT-EP E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
		OTHER				
<small>DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES / EXCLUSIONS ADDED BY ENDORSEMENT / SPECIAL PROVISIONS</small> <b>CERTIFICATE HOLDER IS NAMED AS ADDITIONAL INSURED UNDER GENERAL LIABILITY AND AUTOMOBILE LIABILITY. WAIVER OF SUBROGATION APPLIES IN FAVOR OF CERTIFICATE HOLDER UNDER GENERAL LIABILITY, AUTOMOBILE LIABILITY AND WORKERS COMPENSATION.</b>						
<b>CERTIFICATE HOLDER</b>			<b>CANCELLATION</b>			
Lafourche Parish Water District No. 1 P O Box 399 Lockport LA 70374-0399			SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING INSURER WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO DO SO SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE INSURER, ITS AGENTS OR REPRESENTATIVES. <small>ATTORNEY'S REPRESENTATIVE</small>			



**Mosaic Global Sales, LLC**  
13830 Circa Crossing Drive  
Lithia, FL 33547  
PH: 800.578.7891

**AFFIDAVIT OF PRODUCT COMPLIANCE**

**We certify that the Fluorosilicic Acid manufactured and distributed by Mosaic Global Sales, LLC will meet the specifications of AWWA Standard B703-11 and further it has been certified by NSF to meet ANSI/NSF Standard 60 for the treatment of potable water and has been produced within the continental limits of the United States.**

A handwritten signature in black ink, appearing to read "G. Navar", is written above a horizontal line.

**Gustavo Navar - FSA Technical Services Manager**

# NSF International

789 N. Dixboro Road, Ann Arbor, MI 48105 USA

RECOGNIZES

The Mosaic Company

Facility: Riverview, FL

AS COMPLYING WITH NSF/ANSI 60 AND ALL APPLICABLE REQUIREMENTS.  
PRODUCTS APPEARING IN THE NSF OFFICIAL LISTING ARE  
AUTHORIZED TO BEAR THE NSF MARK.



ANSI Accredited Program  
PRODUCT CERTIFICATION  
Certification Program  
Accredited by the  
American National  
Standards Institute



Certification Program  
Accredited by the  
Standards Council  
of Canada

This certificate is the property of NSF International and must be returned upon request. This certificate remains valid as long as this client has products in Listing for the referenced standards. For the most current and complete Listing information, please access NSF's website ([www.nsf.org](http://www.nsf.org)).

A handwritten signature in cursive script that reads "Theresa Bellish".

November 4, 2015  
Certificate# 00966 - 02

Theresa Bellish  
General Manager, Water Systems



# Industrial Fluorosilicic Acid (FSA)

## CHEMICAL ANALYSIS (Typical)

Specification	Range	Typical	Guarantee (%)
H <sub>2</sub> SiF <sub>6</sub>	23 – 26%	24%	23%
F (equivalent total)	18 – 21%	19%	18%
Free Acid	1.0% max	0.4%	

Product meets AWWA Standard B703 and it is NSF-60 Certified. Maximum Use 6 mg/L

## Physical Properties (Typical)

Description	Water white to amber solution
Color, APHA color units	200 maximum (APHA) in accordance with method 2120B, visual comparison
Specific Gravity, at 25% & 60° F	1.224 (water = 1)
Bulk Density, at 25% & 60° F	10.2 (lbs/gal)

## Containers

Tank Trucks	20-25 tons net weight (approximate)
Rail Cars	100 tons net weight (approximate)

## Freight Description

DOT Shipping classification	Class 8 (Corrosive)
DOT Shipping Name	Fluorosilicic Acid
Packing Group	II
Placard	Corrosive
DOT / UN Number	UN1778



Please refer to the Safety Data Sheet (SDS #: MOS200011) for additional information ([www.mosaicco.com](http://www.mosaicco.com))

*The information contained in this data sheet is a representation of the average properties of product analyses as tested on composite samples and typical analyses should not be considered a guaranteed specification. Individual shipment and grab sample analyses may fall outside of the above typical values. Additional handling, transportation, or improper/extended storage may affect product analyses. Mosaic disclaims any responsibility or liability for any loss or damage that may occur from any reliance on, or other use of, the above information with respect to the product.*