

# AUGUSTA COUNTY SERVICE AUTHORITY

18 Government Center Lane  
P. O. Box 859  
Verona, Virginia 24482-0859



## Invitation for Bids Water and Wastewater Chemicals

**IFB No. 1742**

**Issue Date: September 21, 2015**

Bids for the following items, subject to the conditions and instructions attached hereto, will be received at the above office until, but not later than **2:00 o'clock p.m., October 15, 2015**, then publicly opened, for furnishing itemized chemicals, delivery F.O.B., to the water or wastewater treatment plants for the Augusta County Service Authority and City of Staunton (known as OWNER), as indicated in the bid documents.

**IFB questions:** Purchasing Oscar Beasley 540-245-5680 email [obeasley@co.augusta.va.us](mailto:obeasley@co.augusta.va.us)

**Technical questions:** ACSA Water Pat Conroy 540-245-5228 email [pconroy@co.augusta.va.us](mailto:pconroy@co.augusta.va.us)  
ACSA Wastewater Tony Morse 540-245-5227 email [tmorse@co.augusta.va.us](mailto:tmorse@co.augusta.va.us)  
Staunton Water Daniel Campbell 540-332-3961 email [campbelldg@ci.staunton.va.us](mailto:campbelldg@ci.staunton.va.us)

Notes: 1. Bids are to be quoted in units per bid sheet, inclusive of delivery F.O.B. designated use location.  
2. Multiple awards may be made under this IFB for individual line items on the Schedule of Chemicals.  
3. Emailed or Faxed Bids will **NOT** be accepted.

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Terms: \_\_\_\_\_% \_\_\_\_\_ days

Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

Phone No. (\_\_\_\_) \_\_\_\_\_

Official Signature: \_\_\_\_\_

Printed Name of Signer: \_\_\_\_\_

Email Address: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

\*\*\*THIS COMPLETED PAGE MUST BE INCLUDED WITH YOUR BID SUBMITTAL\*\*\*

# Invitation for Bids

## INSTRUCTIONS

- A.** All Bids must be submitted on and in accordance with the General and Special Conditions. If more space is required to furnish a description of the goods offered, unit prices, or performance terms, the bidder may attach a letter hereto which will be made a part of the bid.
- B.** Bids may be submitted by one of the following methods:
- In person* – to receptionist: Administration Offices  
*or by courier,* Augusta County Service Authority  
*UPS, FEDEX, etc.* 18 Government Center Lane  
Verona, VA 24482
- or by USPS mail* – addressed to: Augusta County Service Authority  
PO Box 859  
Verona, VA 24482-0859
- C.** Bids received after the date and time specified for the opening will not be considered. It will be the responsibility of the bidder to see that their bid is in this office by the specified time and date. There will be no exceptions. Date of postmark will not be considered. The Receptionist's clock will determine the time.
- D.** Prices must be stated in units in addition to the total price.
- E.** The time of proposed delivery after receipt of notice must be stated in definite terms of hours or days. If time of performance for different tasks varies, the bidder shall so state.
- F.** All Bids must include the company name and be signed by a responsible officer or employee. Obligations assumed by such signatory must be fulfilled.
- G.** The term of any awarded contract(s) under this IFB will be for a one year period with the right to renew for four additional one-year terms.
- H.** Successful bidder must be properly licensed to supply the required materials in the Commonwealth of Virginia and the County of Augusta, Virginia.
- I.** Specification documentation (Safety Data Sheets), for each item in your bid must be included in your bid submission. Failure to provide this documentation will cause your bid to be rejected for non-performance.
- J.** Each bid submittal must include a completed **IRS Form W-9: Request for Taxpayer Identification Number and Certification** for the entity submitting the bid. The form can be obtained online at <http://www.irs.gov/pub/irs-pdf/fw9.pdf> . Also a copy is included in the Attachments to this IFB.

## GENERAL TERMS AND CONDITIONS

1. **PRECEDENCE OF TERMS:** In the event there is a conflict between the general terms and conditions and any special terms and conditions which may be included in this solicitation for use in a particular procurement, the special terms and conditions shall apply.
2. **CLARIFICATION OF TERMS:** If any prospective Bidder has questions about the specifications or other solicitation documents, the prospective Bidder should contact the Technical person whose name appears on the face of the Invitation to Bid, no later than ten (10) days before the opening date. Any revisions to the solicitation will be made only by addendum issued by OWNER.
3. **PAYMENT TERMS:** Payments will be made upon verification of delivery and receipt of materials. All pay requests and supporting documentations must be approved by OWNER and will be submitted for payment in accordance with each entity's payment policies. Approvals for payment under this procurement will be by the respective OWNER's designated technical representative as noted on Page 1 of this solicitation.
4. **QUALIFICATIONS OF BIDDERS:** OWNERS may make such reasonable investigations as deemed proper and necessary to determine the ability of the Bidder to perform the work and the Bidder shall furnish to OWNER all such information and data for this purpose as may be requested. OWNER reserves the right to inspect Bidders physical facilities prior to award to satisfy questions regarding the Bidders capabilities. OWNER further reserves the right to reject any proposal if the evidence submitted by, or investigations of, such Bidder fails to satisfy OWNER that such Bidder is properly qualified to carry out the obligations of the contract and to complete the work/furnish the item(s) contemplated therein.
5. **ASSIGNMENT OF CONTRACT:** A contract shall not be assignable by the Bidder in whole or in part without the written consent of OWNER.
6. **ETHICS IN PUBLIC CONTRACTING:** By submitting their proposals, all Bidders certify that their proposals are made without collusion or fraud and that they have not offered or received any kickbacks or inducements from any other Bidder, supplier, manufacturer or subcontractor in connection with their proposal.
7. **ANTI-DISCRIMINATION:** By submitting their proposals, all Bidders certify to OWNER that they will conform to the provisions of the Presidential Order #11246, the Federal Civil Rights Act of 1964, as amended, as well as the Virginia Fair Employment Act of 1975, as amended, where applicable, and Section 2.2-4311 of the Virginia Public Procurement Act and that during the performance of this contract, the Bidder agrees as follows:

The Bidder will not discriminate against any employee or applicant for employment because of race, religion, color, sex, national origin, age, disability, or any other basis prohibited by the state law relating to discrimination in employment, except when there is bona fide occupational qualification reasonably necessary to the normal operation of the Bidder. The Bidder agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.

Notices, advertisements and solicitations placed by or on behalf of the Bidder will state that such contractor is an equal opportunity employer.

Notices, advertisements and solicitations placed in accordance with federal law, rule or regulation shall be deemed sufficient for the purpose of meeting the requirements of this section.

8. **MINORITY AND WOMEN-OWNED BUSINESSES:** In accordance with Presidential Executive Orders #12138 & #11625, OWNER actively solicits both minority and women-owned businesses to respond to all Invitations for Bids and Requests for Proposals, and if not already on the Authority's mailing list, you may request application for inclusion on the list. Should you be interested, please contact the Authority at (540) 245-5670 and request information.

Disadvantaged business enterprises (DBE), as defined in 49 CFR 23, shall have equal opportunity to compete for and perform subcontracts which the contractor enters into pursuant to this contract. The contractor will use his best efforts to solicit bids from and to utilize DBE subcontractors or subcontractors with meaningful minority group and female representation among their employees.

- 9. DRUG-FREE WORKPLACE:** During the performance of this contract, the Contractor agrees to (i) provide a drug-free workplace for the contractor's employees; (ii) post in conspicuous places, available to employees and applicants for employment, a statement notifying employees that the unlawful manufacture, sale, distribution, dispensation, possession, or use of a controlled substance or marijuana is prohibited in the contractor's workplace and specifying the actions that will be taken against employees for violation of such prohibition; (iii) state in all solicitations or advertisements for employees placed by or on behalf of the contractor that the contractor maintains a drug-free workplace; and (iv) include the provisions of the foregoing clauses in every subcontract or purchase order of over \$10,000, so that the provisions will be binding upon each subcontractor or vendor.

For the purposes of this section, "*drug-free workplace*" means a site for the performance of work done in connection with a specific contract awarded to a contractor in accordance with this chapter, the employees of whom are prohibited from engaging in the unlawful manufacture, sale, distribution, dispensation, possession or use of any controlled substance or marijuana during the performance of the contract.

- 10. UNAUTHORIZED ALIENS:** In accordance with Virginia Code § 2.2-4311.1. Compliance with federal, state, and local laws and federal immigration law requires that the contractor does not, and shall not during the performance of any awarded contract, knowingly employ an unauthorized alien as defined in the federal Immigration Reform and Control Act of 1986.
- 11. PUBLIC INSPECTION OF PROCUREMENT RECORDS:** Proposals submitted shall be subject to public inspection only in accordance with Virginia Code § 2.2-4342.
- 12. COSTS OF PROPOSAL PREPARATION:** Any costs incurred by the Bidders in preparing or submitting proposals are the Bidders' responsibility. OWNER will not reimburse any Bidder for any costs incurred as a result of a response to this Invitation to Bid.
- 13. CANCELLATION OF CONTRACT:** OWNER reserves the right to cancel and terminate any resulting contract, in part or in whole, without penalty, upon 60 days written notice to the contractor.
- 14. INSURANCE COVERAGE:** Prior to the execution of the Contract, the Contractor shall furnish OWNER with a Statement of Insurance coverage from their agent indicating effective dates and limit of coverage of \$1,000,000 for General Liability, per incident and commercial vehicle insurance with an Endorsement to these policy(ies) naming OWNER, its officers, employees, agents and representatives as additional insured. Also evidence of insurance at current Virginia Statutory Limits for Workers Compensation.
- 15. OBLIGATION OF BIDDER:** By submitting a proposal, the Bidder covenants and agrees that he has satisfied himself, from his own investigation of the conditions to be met, that he fully understands his obligation and that he will not make any claim for, or have right to cancellation or relief from the contract because of any misunderstanding or lack of information.

#### **SPECIAL TERMS AND CONDITIONS**

- a. COOPERATIVE PROCUREMENT:** In accordance with VA CODE § 2.2-4304, ACSA is participating in, conducting, or administering a cooperative procurement agreement on behalf of or in conjunction with other

localities for the purpose of combining requirements to increase efficiency or reduce administrative expenses in the acquisition of goods and services.

- b. **AVAILABILITY OF FUNDS:** It is understood and agreed between the parties herein that OWNER shall be bound hereunder only to the extent of the funds available or which may hereafter become available for the purpose of this agreement.
- c. **AWARD:** The right is reserved to make a separate award of each item, a group of items or all items, and to make an award either in whole or in part, whichever is deemed in the best interest of OWNER. The award or awards will be made to the lowest responsive, responsible bidder or bidders as applicable.
- d. **BID ACCEPTANCE PERIOD:** Any bid in response to this solicitation shall be valid for (45) days. At the end of (45) days the bid may be withdrawn at the written request of the bidder. If the bid is not withdrawn at that time it remains in effect until an award is made or the solicitation is canceled.
- e. **BID PRICES:** Bid shall be in the form of a firm unit price for each item during the contract period. Bidders do not need to bid on each item to be considered. Multiple bids may be awarded in accordance with c. above and in compliance with General and Special Conditions as well as conformance to Virginia Department of Health or Virginia Department of Environmental Quality chemical standards for water and wastewater.

In the event that there is a mathematical error on the summary sheet, the unit price for each item shall prevail. All costs to provide the goods and/or services specified in this solicitation shall be shown on the attached bid summary sheet. If there are additional costs to provide the goods and/or services specified herein either list them on the attached bid summary sheet or attach an additional sheet to it. Line items left blank will be interpreted as at no cost to OWNER.

- f. **DELIVERY AND STORAGE:** It shall be the responsibility of the contractor to make all arrangements for delivery, unloading and receiving materials at the designated receiving area during the term of this contract. This includes delivery by vehicle capable of dispensing or unloading at the OWNERS facility without additional equipment provided by OWNERS. Contractor shall ship chemicals in accordance with standard commercial practices and all Federal, State and local laws and regulations. Contractor shall be solely responsible for the shipment until delivery at the designated facility.
- g. **EXTRA CHARGES NOT ALLOWED:** By submitting their (bids/proposals), all (bidders/offerors) certify and warrant that the price offered for FOB destination includes only the actual freight rate costs at the lowest and best rate and is based upon the actual weight of the goods to be shipped. Except as otherwise specified herein, standard commercial packaging, packing and shipping containers shall be used. All shipping containers shall be legibly marked or labeled on the outside with purchase order number, commodity description, and quantity.
- h. **IDENTIFICATION OF BID/PROPOSAL ENVELOPE:** The signed bid/proposal should be submitted in a separate envelope or package, sealed and identified as follows:

**IFB No 1742**  
**Water and Wastewater Chemicals**

From: \_\_\_\_\_ October 15, 2015 2:00 PM  
Name of Bidder Due Date Time Due

\_\_\_\_\_  
Street or Box Number

\_\_\_\_\_  
City, State, Zip Code

ATTN: Oscar Beasley, Purchasing Officer

The outer (or delivery envelope) should be addressed as directed on Page 2, Item B of the solicitation and indicate IFB No 1742 - Water and Wastewater Chemicals.

If a bid/proposal not contained in the special envelope is mailed, the Bidder takes the risk that the envelope, even if marked as described above, may be inadvertently opened and the information compromised which may cause the bid or proposal to be disqualified. Bids/proposals may be hand delivered to the designated location in the office issuing the solicitation. No other correspondence, other than bid documents, should be placed in the inner envelope.

- i. **INSTALLATION:** All items that must be assembled and set in place, or must be unpackaged and assembled, ready for use. All crating and other packaging debris must be removed from the premises.
- j. **LABELING OF HAZARDOUS SUBSTANCES:** If the items or products requested by this solicitation are “Hazardous Substances” as defined by § 1261 of Title 15 of the United States Code (U.S.C.) or “Pesticides” as defined in § 136 of Title 7 of the United States Code, then the Bidder, by submitting their bid/proposal, certifies and warrants that the items or products to be delivered under this contract shall be properly labeled as required by the foregoing sections and that by delivering the items or products the Bidder does not violate any of the prohibitions of Title 15 U.S.C. § 1263 or Title 7 U.S.C. § 136.
- k. **GHS LABELING AND SDS SUBMITTALS:** **Chemical Users:** Continue to update safety data sheets when new ones become available, provide training on the new label elements and update hazard communication programs if new hazards are identified. **Chemical Producers:** Review hazard information for all chemicals produced or imported, classify chemicals according to the new classification criteria, and update labels and safety data sheets.
- l. **SAFETY DATA SHEETS:** Safety Data Sheets and descriptive literature shall be provided with the bid/proposal for each chemical and/or compound offered in accordance with Global Harmonization Standards. Failure on the part of the bidder to submit such data will be cause for declaring their bid/proposal as nonresponsive.
- m. **NEGOTIATION WITH THE LOWEST BIDDER:** Unless all bids are cancelled or rejected, OWNER reserves the right granted by § 2.2-4318 of the *Code of Virginia* to negotiate with the lowest responsive, responsible bidder to obtain a contract price within the funds available to the agency whenever such low bid exceeds OWNER’s available funds. For the purpose of determining when such negotiations may take place, the term “available funds” shall mean those funds which were budgeted by OWNER for this contract prior to the issuance of the written Invitation for Bid. Negotiations with the low bidder may include both modifications of the bid price and other items required to be performed. The OWNER shall initiate such negotiations by written notice to the lowest responsive, responsible bidder that its bid exceeds the available funds and that the agency

wishes to negotiate a lower contract price. The times, places, and manner of negotiating shall be agreed to by OWNER and the lowest responsive, responsible bidder(s).

- n. **PRODUCT INFORMATION:** The Bidder shall clearly and specifically identify the product being offered and enclose complete and detailed descriptive literature, catalog cuts and specifications with the bid to enable OWNER to determine if the product offered meets the requirements of the solicitation. Failure to do so may cause the bid/proposal to be considered nonresponsive.
- o. **FIT FOR PURPOSE:** The Bidder shall only supply chemicals that are fit for the purpose of providing potable water in the instance where delivery is to a water treatment facility, and for treatment of sewage if delivered to a wastewater treatment facility in accordance with appropriate federal, state or local regulations, most specifically for those to be used for potable water.
- p. **SITE DAMAGES:** Any damage to existing utilities, equipment or finished surfaces resulting from the performance of this contract shall be repaired to OWNER's satisfaction at the contractor's expense.
- q. **PRICE ESCALATION/DE-ESCALATION:** After the first 180 calendar days, the Contractor will be allowed to adjust the original bid price by an amount equal to the annualized PPI-SA for Chemicals and Allied products or the specific series Id referenced on their original bid for the period of time between contract award and Owner's offer to accept the contract. Owner reserves unto itself, the unilateral right to either not extend an offer to the next lowest Bidder or to rebid the subject chemicals.
  - 1. In the case of annually renewable contracts, the Contractors may submit a request for contract price increases once annually for each renewal year. Economic increases shall be limited to the increase specified in the Bureau of Labor Statistics (BLS) Producer Price Index – Not Seasonally Adjusted (“PPI-NSA”) for Chemicals and Allied Products (Series id WPU06), for the 12 month period ending 90 days prior to the end of the then current contract year. Request for contract price increases must be submitted at least 30 days prior to the end of the then contract year. This PPI may be replaced by any other single PPI providing that the substitute PPI constitutes the greatest component of the contracted chemical. (e.g. Series id – WPU061302T1 – Sulfuric Acid). Multiple price indexes will not be considered for the same bid item. Bidder may specify a different index for different bid items based on the conditions identified above. Series ID WPU06 will be used for the duration of the contract if the Bidder does not specify a specific PPI on the Bid Submission Form. If the specified PPI is discontinued by BLS during the duration of the contract, bidder must submit request for change or revert to WPU06.
  - 2. Negative BLS index: If the agreed upon index is a negative number the contractor shall immediately reduce contract rates by the same amount for the duration of the contract year.

By submission of a bid, Contractors agree and accept the terms of items 1. and 2. above for the duration of the contract.

- r. **WARRANTY**
  - 1. By submitting a bid in response to this solicitation, Bidders warrant that chemicals provided as a result of this solicitation:
    - i. Conform to the most current NSF 60/61 and/or ANSI/AWWA standards for water and/or wastewater chemicals,
    - ii. Conform in all respects to the chemical specifications contained herein,
    - iii. Are suitable for a public drinking water supply and/or waste water treatment,
    - iv. Are free from adulterants or impurities of any kind, and
    - v. In addition to any other warranties expressed or implied, the specific warranties of Merchantability and Fitness for a Particular Purpose applies to all orders placed as a result of this solicitation.

2. Materials and equipment shall be fully guaranteed against defects in material and workmanship for a period of 12 months following date of final acceptance. Should any defect be noted by the OWNER, the Project Manager will notify the contractor of such defect or non-conformance. Notification will state either (1) that the contractor shall replace or correct, or (2) OWNER does not require replacement or correction, but an equitable adjustment to the contract price will be negotiated. If the contractor is required to correct or replace, it shall be at no cost to OWNER and shall be subject to all provisions of this clause to the same extent as materials initially delivered. If the contractor fails or refuses to replace or correct the deficiency, the office issuing the purchase order may have the materials corrected or replaced with similar items and charge the contractor the costs occasioned thereby or obtain an equitable adjustment in the contract price.
3. Work not conforming to these warranties shall be considered defective.
4. This warranty of materials and workmanship is separate and independent from and in addition to any of the contractor's other guarantees or obligations in this contract.

NOTE: Any implied warranties, including but not limited to the warranty for "Merchantability and Fitness for A Particular Purpose" cannot be waived and are a mandatory part of this solicitation and any ensuing Contract.

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**ADDENDUM A  
CHEMICALS REQUIRED FOR BID**

**1) FLUOROSILICIC ACID, 23-25%**

• Appearance:	Physical state: liquid
• Color:	colorless
• Odor:	pungent
• Odor Threshold:	no data available
• pH:	1.0 ( 100 g/l)
• Freezing point:	< 4.1 °F (< -15.5 °C)
• Boiling point/boiling range	Thermal decomposition: yes
• Flash point:	Not applicable
• Evaporation rate (Butylacetate = 1):	no data available
• Flammability (solid, gas):	The product is not flammable.
• Flammability (liquids):	Not applicable
• Flammability/Explosive limit Explosiveness:	With certain materials (see section 10).
• Autoignition temperature:	Not applicable
• Vapor pressure:	22.50 mmHg (30hPa) ( 68 °F (20 °C))
• Vapor density:	> 1 ( 68 °F (20 °C))
• Density Bulk density:	Not applicable
• Relative density:	1.27 ( 68 °F (20 °C)) 30 % solution
• Solubility	Water solubility : Soluble

**2) SODIUM HYPOCHLORITE,  
12.0 TO 16.0% AVAILABLE CHLORINE BY WEIGHT:**

• Appearance:	Liquid, Clear, Yellow to Yellow-Green
• Odor:	Chlorine-like, Pungent
• Odor Threshold:	0.3 ppm (detection), for Chlorine
• pH (Neutrality):	12 - 14 (1% Solution)_
• Melting Point/Freezing Point:	-27 C / -17 F
• Boiling range	(IBP,50%,Dry Point):140 C / 284 F
• Flash point (TEST METHOD):	Not Applicable
• Evaporation rate (n-Butylacetate=1):	Not Applicable
• Flammability Classification:	Non-Combustible
• Lower Flammability Limit in Air (% by vol.):	Not Applicable
• Upper Flammability Limit in Air (% by vol.):	Not Available
• Vapor Density (air=1):	0.670
• Specific Gravity (Water=1):	1.17
• Pounds/Gallon:	9.75
• Water Solubility:	Complete

**3) CHLORINE, 150 pound cylinders**

• Appearance	Amber colored liquid, vaporizes to greenish yellow gas
• Odor	Pungent, irritating odor
• Molecular Weight	70.9
• Boiling Point	-34 <del>°F</del>
• Melting Point	-101 <del>°F</del>
• Solubility	Slightly soluble in water (0.73% at 20C)
• Specific Gravity- Gas	2.49 at 0C (air=1)
• Specific Gravity- Liquid	1.47 at 0C (water = 1)
• Vapor Pressure	98.3 psig at 25 <span style="float: right;">□C (77 □F)</span>
• pH	Not Available

**4) CITRIC ACID, SOLUTION: 50%**

• Physical State:	Liquid
• Color:	Clear Colorless

• Odor:	Essentially odorless to very slight sugar odor.
• pH	Not Available.
• Specific Gravity:	1.24
• Boiling Point:	104°C /219°F
• Freezing/Melting Point:	Not Available.
• Vapor Pressure:	16 mmHg
• Vapor Density:	0.62
• % Volatile by Volume:	50%
• Evaporation Rate:	<1
• Solubility:	Completely miscible.
• VOCs:	Not Available.
• Viscosity:	Not Available.
• Molecular Weight:	192.13

### **5) CAUSTIC SODA 20-29% SOLUTION**

• Physical State:	Liquid
• Color:	Colorless
• Odor:	Odorless
• pH	12 (0.05% solution); 13 (0.5% solution); 14 (5% solution)
• Specific Gravity:	1.164 - 1.33
• Boiling Point:	108-116°C / 226-240°F
• Freezing/Melting Point:	0.5 - (-13)°C/ 32.9 - 8.59°F
• Vapor Pressure:	7.6 - 9.6 mmHg
• Vapor Density:	Not Available.
• % Volatile by Volume:	75-80%
• Evaporation Rate:	Not Available.
• Solubility:	Completely soluble.
• VOCs:	Not Available.
• Viscosity:	Not Available.

### **6) LIQUID PERMANGANATE**

• Appearance and Odor	Dark purple solution, odorless
• Boiling Point, 760 mm Hg	>101°C
• Vapor Pressure (mm Hg)	760 mm at 105°C
• Solubility in water	Miscible in all proportions with water
• Percent Volatile by Volume	61-85% (as water)
• Evaporation Rate	Same as water
• Freezing Point	<-4.0 °C
• Specific Gravity	1.36 - 1.39
• pH	5-8

### **7) LIQUID ALUM**

• Appearance	Clear
• Odor	Odorless
• Odor Threshold	Not available
• pH	1.9 - 2.4
• Melting Point	Not applicable
• Freezing Point	-15.56 °C (4°F)
• Boiling Point	101 °C (213.80 °F)
• Flash Point	Not flammable
• Specific Gravity	1.335
• Solubility	Water: Completely miscible in water.
• Partition Coefficient: N-Octanol/Water	Not available
• Viscosity	Not available
• Explosion Data: Sens. to Mech. Impact	Not expected to present an explosion hazard due to mechanical impact.

- Explosion Data – Sens. to Static Discharge

Not expected to present an explosion hazard due to static discharge.

### **8) BIO-NEUTRALIZER TABLETS**

- |                              |  |
|------------------------------|--|
| • Tablet Size                | 25/8" diameter, 13/16" thick Inert               |
| • Ingredient Content         | 65%  |
| • Approximate Tablet Weight  | 5 oz. (140 grams)                                |
| • U.S. DOT Hazard Class      | Non-hazardous                                    |
| • Active Ingredient          | Sodium Sulfite – Na <sub>2</sub> SO <sub>3</sub> |
| • Appearance Characteristics | Green Tablet with Mild Odor                      |
| • Active Ingredient Content  | 35%  |
| • Special Design Features    | Beveled Edges                                    |

### **9) BIO-NEUTRALIZER TABLETS**

- |                                     |                                 |
|-------------------------------------|---------------------------------|
| • Chemical Name                     | Sodium Sulfite Tablets          |
| • Chemical Abstract Service Number. | CAS #7757-83-7                  |
| • Chemical Family                   | Sodium Sulfite                  |
| • Formula                           | Na <sub>2</sub> SO <sub>3</sub> |
| • Sodium Sulfite                    | 92%                             |
| • Inert Ingredients                 | 8%                              |
| • Material Supports Combustion?     | Not applicable                  |
| • Color                             | Blue-Green Tablet               |
| • Odor                              | Mild Herbal Odor                |
| • pH                                | Alkaline                        |

### **10) BIO-SANITIZER 2-5/8" DISINFECTING TABLETS**

- |                              |   |
|------------------------------|---|
| • Tablet Size                | 25/8" diameter, 13/16" thick  |
| • Approximate Tablet Weight  | 5 oz. (140 grams)   |
| • Active Ingredient          | 73% Calcium Hypochlorite – Ca (OCI) <sub>2</sub> • H <sub>2</sub> O |
| • Minimum Available Chlorine | 70%   |
| • Inert Ingredient Content   | 27%   |
| • EPA Registration           | 63243-1   |
| • Appearance Characteristics | White Tablet with Chlorine Odor                                     |
| • Special Design Features    | Beveled Edges   |

### **11) SODA ASH – SODIUM CARBONATE**

- |                                      |                              |
|--------------------------------------|------------------------------|
| • Appearance                         | white, granular solid        |
| • Odor                               | odorless                     |
| • Boiling point                      | decomposes                   |
| • Water Solubility                   | 33.2% maximum                |
| • Freezing point                     | 851° C (1564° F)             |
| • Oxidizing Properties               | no data available            |
| • Flash point                        | non-combustible              |
| • Percent Volatile                   | no data available            |
| • Evaporation Rate                   | no data available            |
| • pH:                                | 11.4 (1% solution)           |
| • Density Weight per Volume: (g/mL): |                              |
|                                      | ○ Dense Grades = 0.86 - 1.12 |
|                                      | ○ Light Grades = 0.70 - 0.90 |

**IFB #1742 - Water and Wastewater Chemicals  
Pricing Sheet**

Item #	Estimated Annual Quantities	Unit of Measure	Shipping Container or Shipping Method	Chemical Description	Unit Price	Extension	Escalator/PPI Designation*
1	9,500	gallons	tank truck	Fluosilicic Acid 23-25%		\$ -	PCU3251803251808
	50	gallons	15 gallon drums	Fluosilicic Acid 23-25%		\$ -	PCU3251803251808
	70	gallons	55 gallon drums	Fluosilicic Acid 23-25%		\$ -	PCU3251803251808
2	20	gallons	15 gallon drums	Sodium Hypochlorite 12.5% liquichlor		\$ -	WPU061303
	32	gallons	55 gallon drums	Sodium Hypochlorite 12.5% liquichlor		\$ -	WPU061303
	15,600	gallons	tank truck	Sodium Hypochlorite 12.5% liquichlor		\$ -	WPU061303
3	200	pounds	150 lb. cylinders	Chlorine Liquid gas		\$ -	WPU06
4	12	gallons	55 gallon drums	Citric Acid 50%		\$ -	WPU06
5	3	gallons	55 gallon drums	Caustic Soda 25%		\$ -	WPU061303
6	6	Kg	25Kg pails	Liquid Permanganate		\$ -	PCU3251803251808
7	8,500	gallons	tank truck	Liquid Alum		\$ -	WPU06
8	240	pounds	45 lb. pails	Bio-neutralizer tablets - 35%		\$ -	WPU06
9	120	pounds	45 lb. pails	Bio-neutralizer tablets - 92.3%		\$ -	WPU06
10	25	pounds	45 lb. pails	Bio-sanitizer 2-5/8" disinfecting tablets		\$ -	WPU06
11	220	pounds	50 lb. bags	Soda Ash		\$ -	WPU061303

Note \* [Data may be found by accessing http://www.bls.gov/data/](http://www.bls.gov/data/)

Company: \_\_\_\_\_

Official Signature: \_\_\_\_\_

Email Address: \_\_\_\_\_

Date: \_\_\_\_\_

\*\*\*THIS COMPLETED PAGE MUST BE INCLUDED WITH YOUR BID SUBMITTAL\*\*\*