Powdered Activated Carbon

S6Z61690

Issued by: **CITY OF PHILADELPHIA PROCUREMENT DEPARTMENT**
Required by: Various Departments

Bid Opening Date:	**October 7, 2015**
Bid Opening Time:	**10:30 AM Philadelphia Local Time**
Location for Bid Opening:	**MUNICIPAL SERVICES BUILDING - ROOM 170A** **1401 JFK BOULEVARD, PHILADELPHIA PA 19102**
Buyer:	**A. Campfield**
Spec. Writer:	**J. Washington**

This Invitation and Bid with your quotations must be received prior to the above cited bid opening date and time.

BIDDER AGREES TO COMPLY WITH ALL CONDITIONS OF THIS BID. UNSIGNED BIDS WILL NOT BE ACCEPTED*. BIDDER MUST COMPLETE THE INFORMATION BELOW:*

NAME AND ADDRESS OF FIRM:

FEDERAL EIN/SOCIAL SECURITY NUMBER:

BID QUESTIONS

All questions concerning this Invitation and Bid, including specifications and conditions, must be presented prior to the bid opening date and time. Contact the Procurement Department Customer Service Unit by emailing Bid.Info@phila.gov or by calling **(215) 686-4720** with questions.

Bid is Best and Good Faith Efforts.

GENERAL INFORMATION

This Invitation and Bid and Contract is issued under the Antidiscrimination Policy described in the Mayor's Executive Order 03-12. While there are no ranges for the participation of Minority (MBE), Woman (WBE) or Disabled (DSBE) Owned Business Enterprises (collectively, M/W/DSBEs) projected for this Bid, bidders are prohibited from discriminating in their selection of subcontractors and are encouraged to use their Best and Good Faith Efforts to solicit quotes from M/W/DSBEs on an equitable basis with other firms. See the Office of Economic Opportunity (OEO) Instructions and Form which is part of this Invitation and Bid and Contract.

FOR PROCUREMENT USE ONLY. DO NOT MAKE ANY MARKS IN THIS BOX.

Bid Security Fee ☐Yes ☐No Method (if paid with bid) _____ Check or M/O # _____

Bid Processing Fee ☐Yes ☐No Method _____ Check or M/O # _____

Mary E. Stitt
Procurement Commissioner

SECTION 1: GENERAL BID SUBMISSION

1.1 **TITLE: Powdered Activated Carbon**

SCHEDULE NO: 60-03

1.2 **CONTRACT TERM CONTRACT TERM**: 1/01/2016 to 12/31/2016 ("Initial Term"), with an option to renew for up to one (1) additional one (1) year period, ("the Renewal Term") exercisable, at the City's sole discretion, as of the expiration of the Initial Term or the current Renewal term. The City may, at its sole discretion, renew the contract for up to three (3) months at the beginning of each renewal period (the "Additional Performance Period"), if a decision has been made not to renew the contract for an entire year. Further, the City may, at its sole discretion renew the contract for up to three (3) months after all renewal periods have expired, in order to prevent a lapse in coverage until a new contract is in place.

1.2.1 The City shall exercise such sole option to renew the Contract Term by issuing a letter (the "Renewal Notice") notifying the successful bidder that the Contract is renewed for the Renewal Term or Additional Performance Period (identified by commencement and termination dates) that is specified in the Renewal Notice. The Contract shall be deemed to be renewed for such Renewal Term or Additional Performance Period, and successful bidder shall be obligated to perform all terms and conditions of the Contract throughout such Renewal Term or Additional Performance Period, as of the effective date indicated on the City's Renewal Notice, whether or not successful bidder has agreed, verbally or in writing, to such renewal of the Contract term.

1.2.2 If an individual Performance Bond and/or Payment Bond is required under this Invitation and Bid, such bond(s) shall be and remain in full force and effect throughout the Initial Term, all Renewal Terms, any Additional Performance Period, and the period of any unexpired warranty provided or required under the Contract, without notice of Contract renewal by the City to the surety or the consent of the surety thereto. It is the sole responsibility of the successful bidder to ensure that such bond(s) remain in full force and effect as provided in this Section, and failure to do so shall be an event of default pursuant to Paragraph 19, Default and Termination, of the attached SS&E Terms and Conditions of Bidding and Contract.

1.3 **CONTRACT TYPE: REQUIREMENTS**

1.3.1 The following items are required in the operation of various City agencies as ordered. Exact quantities cannot now be determined but estimates thereof are listed herein.

Quantities listed may be increased or decreased to meet the requirements of the City during the period of this contract. A minimum is not guaranteed. Purchase orders issued as a result of this bid will be for materials or services to be delivered generally on an as-needed basis.

Successful bidder(s) are cautioned not to deliver any materials or services without first being advised to do so by the ordering agency through a purchase order or other authorized document from the Procurement Department.

1.3.2 It is the intent of the Procurement Department to make an award for the period as stated above subject to the appropriation of funds in succeeding fiscal years by City Council. The City's fiscal year is from July 1st to June 30th inclusive.

Materials or services on the bid to be ordered after the end of the fiscal year are subject to the issuance of purchase orders for the following fiscal years. The City is not liable for an award involving following fiscal years' funds until such orders are issued.

The obligation to deliver on such purchase orders shall not take effect until the orders are issued. To simplify the contract procedure, however, the successful bidder(s) may be required to furnish an individual Performance Bond in addition to a Performance Security Fee to cover units awarded to them.

1.4 **METHODOLOGY OF ACQUISITION**: Purchase Only

1.5 **STATEMENT OF DIRECTION:**
It is the intent of the City of Philadelphia to make an award for Activated Carbon Powder for the various City agencies and departments as specified herein during the contract period.

1.6 **BID SECURITY**

1.6.1 In order to be an eligible Services, Supplies and Equipment bidder, all SS&E bidders must be enrolled in the City's Annual Bid Security Program. The program covers the time period from **July 1, 2015 – June 30, 2016**. All bidders must complete the registration form and pay the **non-refundable** Annual Bid Security Program fee of one hundred dollars (**$100.00**) payable to the order of the "The City of Philadelphia". The fee must be submitted in the form of a company check, certified check, cashier's check, treasurer's check, bank money order, or United States postal money order. The fee should be submitted, under separate cover, to the attention of **"FY16 Annual Bid Security Program"** at least one day prior to the first bid that the bidder wants covered under the program. If the bidder chooses to submit the completed registration form and payment for the Annual Bid Security Program with their bid, **company checks will not be accepted** and the payment **MUST** be in the form of a **non-refundable certified check, cashier's check, treasurer's check, bank money order, or United States postal money order** in the amount of one hundred dollars (**$100.00**) made payable to "The City of Philadelphia". Enrollment and payment of the Annual Bid Security Program must be completed in order to be eligible for award in accordance with Paragraph 2 of the "Services, Supplies, and Equipment (SS&E) Terms and Conditions of Bidding and Contract".

1.7 **BID INFORMATION**:

1.7.1 All information related to this bid will be contained in this Invitation and Bid as issued or amended.

1.7.2 Information provided verbally by any City official shall not be binding, relevant, or in any way considered to be a commitment by the City. The City will provide, in writing, any clarifications, changes, and/or other information deemed to be necessary.

1.8 **BID SUBMISSION**:

1.8.1 All bids submitted to the City of Philadelphia must adhere to all bid submission requirements. It is the bidder's responsibility to ensure all bid submission requirements are met. Failure to adhere to these instructions may result in the bid being disqualified.

1.8.2 Advertised sealed bids shall be received and opened publicly at 10:30 AM Philadelphia local time in Room #170A, 1st Floor of the Municipal Services Building, located at 1401 JFK Boulevard, Philadelphia, Pennsylvania 19102, on the bid opening date.

1.8.3 Bidders must submit their bid to the City of Philadelphia **no later than 10:30 AM** on the date that the bid opens. **BIDS MUST BE PLACED IN THE BID BOX** (slot located outside of Room 170A) prior to the bid opening**.** Bids that are not in the bid box prior to the bid opening may be disqualified.

1.8.4 It is the bidder's responsibility to ensure that the bid is submitted in a timely manner and placed in the bid box prior to the bid opening. If the bid is being sent by courier or mailed, it is recommended that the bid be sent early. The bid should arrive at least one business day before the bid opens to ensure timely receipt.

1.8.5 All bids **must** be placed in a **sealed** envelope. **The Bid Number, Opening Date and Company Name MUST be clearly labeled on the envelope.** If the bid is being delivered by courier or express mail, the bid **must** be in a **separate** sealed envelope inside the courier's envelope or express mail packaging. This is to ensure that all bids conform to the sealed bid process of the City of Philadelphia. Failure to do so may result in the bid being disqualified.

1.8.6 Bidder's bid should be complete and include ALL information required as described in the various sections of the bid specifications. All pricing must be completed on the forms provided and must be in **ink or typed**. The bid must be complete as to required bid signatures and corporate seal, and fully accept the terms and conditions contained in the bid.

1.8.7 **BID PROCESSING FEE:**
All bidders MUST submit with their bid a non-refundable company check, certified check, cashier's check, treasurer's check, bank money order, or United States postal money order to the order of the "The City of Philadelphia" in the amount of twenty-five dollars ($25.00) to cover the bid processing fee in accordance with Paragraph 3 of the "SS&E Terms and Conditions of Bidding and Contract". Failure to submit the bid processing fee may result in disqualification from bidding.

1.8.8 **LOCAL BIDDING PREFERENCE**

In accordance with Chapter 17-109 of The Philadelphia Code relating to Local Bidding Preferences and the Regulations promulgated thereto, this bid may be subject to a local bid preference[1]. In order to determine eligibility to receive the preference, if applicable, bidder must be certified as a Local Business Entity ("LBE") at the time of the bid opening and must submit with the bid its LBE Certification number as issued by the Procurement Department:

Bidder's LBE Certification Number_____

Further, through submission of this bid, bidder makes the following certification in connection with the grant of any local bidding preference which certification is incorporated into any contract resulting from this bid:

"Throughout the entirety of the contract, my company or my LBE certified subcontractor(s)[2] will perform the majority of any work on the subject contract within the geographic limits of the City of Philadelphia and my company or my LBE certified subcontractor(s) will maintain within the City a majority of the inventory or equipment that will be used on the contract or the amount of inventory that is customary for that industry."

If the Procurement Commissioner determines that the awarded bidder fails to comply with its certification at any time during the term of its contract, the awarded bidder's LBE certification will be revoked and the awarded bidder shall be deemed in substantial breach of such contract, shall be required to pay liquidated damages of 10% of the awarded contract amount, and may be debarred by the Procurement Commissioner in accordance with the Procurement Department Debarment Regulation for a period up to three years.

NOTE: If you wish to apply for Local Business Entity (LBE) certification, go to www.phila.gov/bids. Please provide sufficient time prior to bidding for processing of the LBE application. The Procurement Commissioner reserves the right to request any additional or clarifying information at any time prior to award of the contract, and during the performance of the contract.

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[1] For applicable bids of One Million Dollars or less, the preference is ten percent (10%); for all other applicable bids the preference is five percent (5%).

[2] If the Bidder relies upon LBE subcontractor(s) to perform the majority of the work and maintain the majority of the inventory or equipment within the City, the subcontractor(s)' LBE Certification Number and most recent annual affidavit of continuing eligibility must be submitted to the Procurement Department.

1.8.9 **DO NOT SUBMIT MATERIAL SAFETY DATA SHEETS WITH BID** (see Paragraph 2.9)

1.8.10 Bidder must submit prior to award a copy of letter of certification from the NSF (Section 2.3). Along with a letter of certification bidder is required to submit a detailed product analysis, including trace contaminants.

1.8.11 In paragraph 2.2 please note Proof of Compliance shall be submitted prior to award.

1.8.12 **CONTACT PERSON(S):**

PRE-AWARD:
Indicate below to whom in your firm questions concerning this Invitation and Bid should be directed:

Name: _____

Address: _____

City/State/ZC: _____

Telephone No. (_____)_____ Ext.:_____

Fax No.(_____)_____

E-mail address_____

State Company Web Site Address:_____

POST-AWARD:
Indicate below to whom in your firm questions concerning the Contract resulting from this Invitation and Bid should be directed:

Name: _____

Address: _____

City/State/ZC: _____

Telephone No. (_____)_____ Ext.:_____

Fax No.(_____)_____

E-mail address_____

1.8.13 **ALTERNATES SUBMITTED:**

If an alternate to any item is offered, bidder must follow instructions in Paragraph 4 of "SS&E Terms and Conditions of Bidding and Contract". State the brand name and the model number of each alternate offered. Detailed technical information on the alternate should accompany the bid.

Failure to state alternates will obligate successful bidder to provide materials and/or services as specified in the bid.

Any other product information submitted by bidder in connection with this bid is for purposes of product description, information and specification only. Bidder agrees that any additional terms or conditions contained therein, including, but not limited to, disclaimers or limitations of liability, do not become part of the bid.

1.8.14 **BID QUESTIONS OR PROBLEMS**

In preparing the bid response, should any bidder need clarification on the bid requirements, identify a discrepancy in the specifications, determine that a specified product has been discontinued or an alternate procedure is advised, etc.; then the bidder is **STRONGLY** encouraged to bring these issues to the attention of the Procurement Department prior to the bid opening by emailing bid.info@phila.gov, or by addressing a letter or fax (fax # 215-686-4727) to the Buyer. **Questions, whether written or faxed, should be received no later than seven (7) calendar days prior to the scheduled opening date of the bid. The City reserves the right to only respond to those questions submitted prior to the stated deadline.** The City will respond to questions it considers appropriate to this Invitation and Bid and of interest to all bidders, but reserves the right, in its discretion, not to respond to any question. The City reserves the right, in its discretion, to revise questions. No oral response to any bidder question by any City employee or agent shall be binding on the City or in any way considered to be a commitment by the City.

If it is in the City's best interest to do so, the bid **MAY** be amended to reflect the proposed changes/modifications. **Exceptions taken DO NOT obligate the City to change the specifications.**

The City of Philadelphia, Procurement Department will notify all bidders in writing, by addendum duly issued, of any interpretations/changes made to specifications or instructions. The City will not accept responsibility for oral instructions, suggestions or changes by any City agency.

Otherwise the successful bidder will have to provide the product or service exactly as defined in this Invitation and Bid and in accordance with the specifications and requirements listed in this Invitation and Bid.

1.9 **BIDDER QUALIFICATION:**

1.9.1 All bidders must be a bona fide manufacturer of, or dealer in, the article or service specified within the bid. To demonstrate this, bidders should submit the following reference information with their bid. References provided should be pertinent to the commodity or service requested in this Invitation and Bid; and demonstrate the bidder's ability to perform on a contract of this size and scope.

Please note that reference information in each section must be completed. Failure to submit this information may result in the bidder's disqualification.

1.9.2 State law requires suppliers to comply with PA code.
(**See Paragraph 2.2.**)

1.9.3 Bidder must submit prior to award a copy of letter of certification from the NSF (See paragraph 2.2).

SECTION 1:

Customer References other than an employee or department of the City of Philadelphia, (excluding suppliers or financial institutions).

	A.	B.	C.
Firm Name:	_____	_____	_____
Address:	_____	_____	_____
Contact:	_____	_____	_____
Email:	_____	_____	_____
Phone #:	_____	_____	_____
Type Work:	_____	_____	_____
Years dealing w/your firm:	_____	_____	_____

SECTION 2:

Previous purchase order(s)/contract(s) with the City; (State "None" if applicable)

P.O./Contract Number:	_____	_____	_____
Department:	_____	_____	_____
Contact Name:	_____	_____	_____
Email:	_____	_____	_____
Phone #:	_____	_____	_____
Item(s):	_____	_____	_____

SECTION 2: GENERAL ITEM/SPECIFICATION REQUIREMENTS

2.1 Successful bidder(s) shall be required to supply the City of Philadelphia's various agencies with chemicals as listed in Sections 2 and 5 of this Invitation and Bid. The contractor shall provide technical services at no additional cost to the City.

2.2 Water Treatment Chemicals suppliers must comply with PA Code, Title 25, Chapter 109.606 for all items in Section 2: Specifications and Section 5: Pricing. Proof of compliance with the state law for all items specified shall be submitted prior to award.

Each supplier shall submit proof of previous certification, if available. In addition, vendors should be able to prove material is produced for use in potable water by supplying a list of water suppliers and contact persons who have used or are using product, or are listing of all raw materials and certification by manufacturer that each is of food grade quality.

2.3 Items shall be in accordance with Procurement Department Specification 5-C-9s:15, revised dated 2/1/2015 (attached). Bidders are requested to retain the specifications for future reference.

Materials identified in Procurement Department Specification 5-C-9s:15 as direct additives used in treatment of potable water should be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water treatment Chemicals – Health Effects.

The vendor shall supply a certified weight certificate and a certificate of analysis with each delivery. The analysis shall include product content as required in **2.8 Specific Requirements – ACTIVATED CARBON-POWDERED.**

At delivery, when requested, the driver will be required to provide a sample from the truckload being delivered to confirm results by Water Department Laboratories. Philadelphia Water Department's Bureau of Laboratory Services (BLS), 1500 E. Hunting Park Avenue will perform random check analyses of the delivered chemicals. In the case, when there is a disagreement on the analysis results between a vendor and a Water Department Laboratory (BLS), BLS will have a final authority on determining the composition of the delivered product.

2.4 The successful vendor will be required to deliver material within five (5) working days following the request from the using agency, unless otherwise specified in Section 2.8 Specific Requirements. If the successful vendor is unable to provide the required material in the time-frame specified, he/she must so notify the using City department, agency, etc., no later than two (2) hours after the request is received or if the City office is closed, during the two (2) hour notification period, by 10:00AM the next business day.

In the event that the contractor cannot or does not supply material in the time-frame reference above, the City reserves the right to purchase material on the open market and the supplier of record will be required to pay the difference to the City in having to purchase material on the open market. This will be calculated at the end of the contract period. The vendor will be notified by the Procurement Department of a specific dollar amount owed to the City.

2.5 **COPIES OF BID SPECIFICATIONS**

This bid makes reference to Procurement Department Specifications (5-C-9s:15) and/or Purchase Descriptions (see Item #2.8). Bidders are requested to retain Procurement Department Specifications for future reference.

2.6 **PRODUCT CONTAMINANT LANGUAGE**

The successful vendor shall certify that contaminants in the drinking water treatment chemical will not cause the finished water to exceed the maximum contaminant level (MCL) identified in the regulated drinking water contaminant list as specified in 40 CFR, Part 141 National Drinking Water Regulations, when the product is applied at the maximum usage level as listed by the supplier in the latest version of the ANSI/NSF Listings, Standard 60, Drinking Water Additives – Health Effects.

National Primary Drinking Water Regulations and National Secondary Drinking Water Regulations are listed on the EPA website at:

http://www.epa.gov/safewater/mcl.html.

2.7 **SECURITY OF DELIVERED CHEMICALS**

2.7.1 Bidders are advised that shipments of all products must be performed with the utmost care and caution to avoid product tampering and contamination.

All trucks delivering water treatment chemicals must prominently and clearly display the name of the chemical supply company and/or the company logo on the body of the tanker or on the doors of the tractor.

Bidders are advised that all truck delivery personnel must display a company issued photo identification badge. The drivers must prominently display the ID badge on the exterior of their clothing at the time of product delivery.

All tank truck hatchways or loading or unloading pipe connections must be secured and sealed prior to the delivery vehicle leaving the loading terminal. The seal must remain intact upon arrival at the water treatment plant site. The product delivery driver will be required to break the seal in the presence of the department representative. Failure to do so will be cause for rejection of the load.

Seals specifications are described in the paragraph 2.7.2.

Prior to first delivery a successful vendor must submit a written procedure that describes application and removal of security seals to the receiving City agency.

In addition to chemicals delivered in bulk transports, chemicals delivered in containers and drums must also be secured and sealed. Vendors making deliveries in drums and containers must submit written security seals procedures to a receiving City agency prior to making first delivery.

Vendors are advised not to start deliveries of the product before the security seals procedures are reviewed and accepted by the receiving agency. Failure to do so may be considered an event or condition constituting default.

Vendors delivering to the Water or Wastewater Treatment Plants are directed to Fax the following information prior to the arrival of the delivery truck at PWD sites:

1. An identification number for the chemical trailer delivering the product (i.e. trailer license plate number, trailer ID number, company label on trailer).
2. The truck driver's name

3. The identification number(s) from the tamper resistant seals applied to the intake or discharge piping, man-ways and hoses on the delivery truck.

Fax numbers to be used are:

Baxter WTP – 215-333-9453
Belmont WTP – 215-878-7393
Queen Lane WTP – 215-685-2161

Upon arrival of the delivery truck to the site, PWD personnel will cross check the driver's name and license number and the data on the delivery truck, as well as the condition of the tamper resistant seals on the hoses and truck man-ways, against the information provided by your office. At PWD's discretion, any observed information may be verified by directly communicating with vendor's transportation department.

2.7.2 **Tamper Resistant Security Seals Specifications**

Tamper resistant seals shall be plastic pull-up type beaded seals. Seals shall be red with white lettering, 16" in length. As a reference, American Casting and Manufacturing Corp. Plastic Pull-Up Seal Model 9001-16 describes the minimum requirement. Seals shall include 3 lines of text and a unique multi-digit identification number as follows:

CITY OF
PHILADELPHIA
WATER DEPT.
# # # # # # #

As an alternative, supplier can utilize custom vendor tag, which still must include a unique multi-digit identification number. Color requirement of tag does not apply. The vendor must provide tag information to each delivery location and receive the approval of receiving agency prior to first delivery. The approved security tag shall be utilized throughout the life of the contract.

2.7.3 **Off-hour Bulk Chemical Delivery Criteria**

Notwithstanding the other requirements defined in Section 2.7.1, vendors are advised that there are additional safeguards which are imposed whenever the delivery of bulk chemicals is to occur during off-hours, defined as 6:00 PM to 6:00 AM, Monday through Friday plus all Saturdays and Sundays.

Prior to the start of off-hour deliveries of products, vendors are directed to present their procedures for review and acceptance by the receiving agency. At a minimum, the vendor must:

Fax the ID number or the license plate number of the bulk chemical truck to the facility receiving the product. See 2.7.1 for fax numbers.

Fax the truck driver's name.

Fax the ID number from the tamper resistant seals applied to the fill pipe/valves and discharge pipe/valves on the delivery truck.

The fax communication shall be sent during the conventional business hours, Monday through Friday, 8:00 AM to 3:00 PM, prior to delivery.

Upon arrival at the receiving plant entry gate, the bulk chemical truck driver shall communicate with the Senior Plant Operator by telephone or via the use of the intercom system. If the driver has access to a cellular phone, he/she may call the senior plant Operator's number, as follows:

Baxter WTP –	215-685-8055
Belmont WTP –	215-685-0227
Queen Lane WTP –	215-685-2117

The bulk chemical truck driver must identify him/herself by revealing his/her name, the name of the company and the identification numbers from the tamper resistant seals applied to the truck.

Prior to the start of off-hour deliveries, the vendor is to submit documentation to confirm that the ream or pool of drivers are trained, equipped and capable of responding to the accidental spill of the product being delivered.

Should there be an accidental spill or release of product during the unloading process, the truck driver is to immediately communicate with the receiving plant representative to initiate the appropriate steps to stop the release, make the area safe for responders and to assist with the clean-up.

2.7.4 CHEMICAL SPILL RESPONSE REQUIREMENTS

Each chemical vendor shall furnish the name, address and telephone number of a qualified Hazmat Response Team. This team shall be supplied by the vendor to clean-up and mitigate a chemical spill caused by the vendor or its designee. The Hazmat Response Team must meet OSHA requirements and be available twenty-four (24) hours per day, seven (7) days per week. Emergency Response (report to on-site at the incident location) to a hazardous material clean-up shall occur within three (3) hours of notification by the treatment plant or the authorized representative responder. The vendor designated Response Team shall be prepared to re-package and remove the hazardous material to a secure facility and ensure proper disposal. Spill mitigation actions taken by PWD personnel shall not be construed as a replacement for Chemical Spill Response. The Plant Manager or authorized designee shall make the determination of need for Hazmat Response Team Assistance. Vendor must supply information on response team prior to first shipment.

2.8 SPECIFIC REQUIREMENTS – Activated Carbon Powder

2.8.1 DEMURRAGE

Demurrage is for the tank truck delivery of the chemical. There shall be no charge to the City for the first eight (8) hours used for delivery. Vendor shall bid pricing per hour basis, in Section 5, for delivery after the initial eight (8) hours.

2.8.2 TRAINING

In addition to the complimentary training sessions generally provided by the supplier to promote safe handling of their product, the chemical vendors shall provide, if required, **a four (4) hour** session of on–site technical training **class** at **each of the** Water Department installations receiving that chemical.

The on-site training sessions, attended by a maximum class size of twenty (20) shall include but not be limited, to the characteristics of the chemical, safe operation and maintenance practices, emergency response and technical guidance to assure that the workforce is adequately acquainted with all aspects of handling and using the product. The vendor shall conduct hands-on-demonstrations.

The instructor shall have sufficient experience and qualifications which shall enable him/her to present a training session which is meaningful and complete. The instructor is to include hand-outs, pre-tests, post-tests, films, slides or any other material in the training program which shall enable the workforce to grasp and retain the subject matter.

The vendor shall coordinate the scheduling of training with the respective water/wastewater treatment plant managers.

The bidder, if required, shall quote a 4-hr session rate in Section 5 for the Technical Instructor. All costs including transportation, meals, housing, training supplies, handouts and other expendable materials shall be included in the daily rate. The vendor shall be paid only for those training sessions actually provided. It is estimated that there will be one 4-hr training session for each location supplied by the vendor during the life of the contract to include any all renewal periods.

2.8.3 **ACTIVATED CARBON-POWDERED**
30730 001 130
In accordance with Procurement Department
Specification 5-C-9s:15, Item 3.1(para. 5.1.1).

Note; Specification 5-c-9p:17 has been revised to require a Philadelphia Delaware River UV254 Removal Test.

Demurrage and training apply for this chemical.
Estimated usage 1837 Tons during the contract period.

Basis of Award: Based on the lowest price per ton of Activated Carbon. Price to include delivery to all City of Philadelphia locations.

Price shall remain firm for the initial term of the contract as well as the renewal period if optioned by the City.

DELIVERY POINTS:
Queen Lane Water Treatment Plant: 3545 Fox Street 19129)
Belmont Water Treatment Plant: 4300 Ford Road (19131)
Baxter Water Treatment Plant: 9001 State Road (19136)

2.8.4 **Products Pre- Certified:**
Eight carbon products have been Pre-certificated (4/2015) by the City of Philadelphia Bureau of Laboratory Services (BLS) and Baxter Water Treatment Plant using a standard protocol and analysis method.

Eight carbon products pre-approved for use by the City include;
Standard Purification - Watercarb 800
Mead West Vaco - Aqua Nuchar
Norit/Cabot - EXP 385
Norit/Cabot- Hydrodarco B
Biogenic Reagents UAC-H2O M
Biogenic Reagents UAC H2O W
Nichem Company 750 FHJ300S
Nichem Company 750 FHJ400

2.8.5 **Pre Certification:**

Vendor must have submitted a sample of activated carbon for pre-certification prior to the submittal of bid response. Certification for % removal of Geosmin shall be conducted by the City of Philadelphia Bureau of laboratory services (BLS) using a standard protocol and analysis method. Certification for % removal of UV254 shall be conducted at the Baxter Water Treatment Plant using a standard protocol and analysis method. BLS maintains a list of all products, which are certified as meeting the bid specifications. It is the responsibility of the vendor to pre-certify any carbon product prior to the submission of a bid response. Failure to follow the certification procedures will automatically be cause for bid disqualification. For further information on the current list of certified carbon products or to arrange for product pre-certification please contact:

Bureau of Laboratory Services
1500 E. Hunting Park Avenue
Philadelphia, PA 19124
215-685-1443

Baxter Water Treatment Plant Manager
9001 State Road
Philadelphia, PA 19136
215-685-8020

DELIVERY:

Deliveries will be made as needed and requested by the Chief Operator. Shipments of Activated Carbon shall be made in water-tight pneumatic trailer trucks. Bulk shipments shall be 40,000 lbs. minimum. However, Belmont Plant will not accept any delivery in excess of 40,000 lbs. In the event of an emergency, Activated Carbon shall be made available in bags at the corresponding price. Deliveries will be made between 7:00 AM and 2:30 PM. At delivery, when requested, the driver will be required to provide a sample from the truckload being delivered to confirm results with Water Department Laboratories.

The successful vendor will be required to deliver material within five (5) calendar days following the request from the using agency. If the successful vendor is unable to provide the required material in the time frame specified, he/she must so notify the City department, agency, etc., not later than four (4) hours after the request is received, or if he City office to be notified is closed during the four (4) hour notification period, by noon (12) PM the next business day.

In the event that the contractor cannot or does not supply material in the time frame referred above, the City reserves the right to purchase material on the open market and the supplier of record will be required to reimburse the City the price differential, if any.

Bidders must supply manufacturer's certification of compliance with these specifications with submittal of bid.

SECTION 3: BID EVALUATION AND AWARD

3.1 EVALUATION:

3.1.1 Bids will be evaluated by the Procurement Department.

3.1.2 Bids will be evaluated for responsiveness to the bid specifications and for responsibility of the bidders.

3.1.3 Bid may be disqualified if they are deemed to be non-responsive without notice. Any and all decisions regarding responsiveness are final and are not appealable. A bid may be deemed non-responsive for any of the following:

(i) improper bid security
(ii) improper bid execution
(iii) incompleteness
(iv) offering counter terms and conditions
(v) improper or incomplete execution of OEO documents (if applicable)

3.1.4 Bidders whose bids are determined to be non-responsible for reasons of bidder qualification shall be notified by the City of the reasons for the determination and may contest the finding of non-responsibility through the prescribed procedures described in paragraph 9 of "SS&E Terms and Conditions of Bidding and Contract".

3.2 **AWARD:**

3.2.1 This Invitation and Bid shall be awarded to the lowest responsive and responsible bidder. Demurrage and training shall not be factored into the evaluation to determine the lowest bidder.

3.2.2 While the contract will be awarded to the lowest responsive and responsible bidder as otherwise provided in this Invitation and Bid, the City aspires to purchase articles manufactured in the City of Philadelphia or in the Commonwealth of Pennsylvania.

3.2.3 **EVALUATION AND AWARD**

In applying the 10% preference, if applicable, the bid price of the LBE will be multiplied by .90 and rounded to the second decimal place. In applying the 5% preference, if applicable, the bid price of the LBE will be multiplied by .95 and rounded to the second decimal place. The adjusted bid price of the LBE will then be used in determining the lowest responsive and responsible bidder. If the bid is awarded as a whole or by section, the local bid preference may be applicable. If the bid is awarded by line item, the local bid preference is not applicable.

Unless the Procurement Commissioner determines to waive the preference for the reasons stated in subsection 7b. of the LBE Regulation, an LBE, whose bid is otherwise responsive and responsible and who has submitted the required information, shall be granted the applicable bid preference on competitive bid(s) awards that are awarded as a whole or by section.

3.2.4 **PERFORMANCE SECURITY**

For purposes for this bid only, the successful bidder is required to furnish an individual performance bond, issued by a surety approved by the City in the amount of 100% of the contract total.

Any applicable, performance security shall be required for any subsequent renewal period.

3.2.5 **DISCLOSURES: SLAVERY ERA RECORDS, FEMALE EXECUTIVES AND SOLE SOURCE CONTRACTS.**

In accordance with Philadelphia Code Section 17-104 (2), the successful bidder, after award of the Contract, will complete an affidavit certifying and representing that the bidder (including any parent company, subsidiary, exclusive distributor or company affiliated with bidder) has searched any and all records of the bidder or any predecessor business entity regarding records of investments or profits from slavery or slaveholder insurance policies during the slavery era. The names of any slaves or slaveholders described in those records must be disclosed in the affidavit.

The bidder expressly understands and agrees that any false certification or representation in connection with this disclosure and/or any failure to comply with these requirements shall constitute a substantial breach of this Contract entitling the City to all rights and remedies provided in this Contract or otherwise available in law (including, but not limited to, Section 17-104 of The Philadelphia Code) or equity and the Contract will be deemed voidable. In addition, it is understood that false certification or representation is subject to prosecution under Title 18 Pa.C.S.A. Section 4904.

In accordance with Philadelphia Code Section 17-104 (3), bidder must provide the following information with its bid:

(i) the current percentage of female executive officers in the company and the current percentage of females on the company's executive and full boards;

(ii) the company's aspirational goals for the inclusion of females in executive positions and on the executive and full boards; and

(iii) the intended efforts by the contractor to achieve the aspirational goals.

This information should be submitted with the bid but the City reserves the right to allow bidder to submit this information at any time prior to award of a contract.

If this is a Sole Source Contract, bidder is subject to the disclosure requirements established under Chapter 17-1400 of The Philadelphia Code.

3.2.6 **INSURANCE:**
Insurance is a requirement for this bid in accordance with Paragraph 15 of the "SS&E Terms and Conditions of Bidding and Contract". No contract will be executed nor purchase order issued unless and until all required insurance certificates, in the required amount, are received. **All insurance MUST meet the following requirements:**

- Insured must be in the same name and address as the successful bidder.
- The insurance carrier must be rated "A" or better by AM Best.
- The certificate holder must be the City of Philadelphia, and specifically named as an additional insured on the certificate in the "Description of Operations section".
- Certificate must be signed by an authorized representative of the insurance company/carrier.

All certificates are to be sent to the Office of Risk Management, One Parkway, 1515 Arch Street, 14th Floor, Philadelphia, PA 19102, Attn. Debbie Lawton or FAX to (215) 683-1705.

SECTION 4: CONTRACT MANAGEMENT

4.1 CITY OF PHILADELPHIA RESPONSIBILITY:

4.1.1 City departments and/or agencies will be notified by the Procurement Department of award(s) and will be provided with name of successful bidder(s), successful bidder contact(s), and applicable pricing. Departments will prepare and submit through the appropriate review channels, a requisition detailing their specific needs and requirements to the Procurement Department. The Procurement Department shall then apply the requisition against the contract and issue a purchase order.

Order Against Contracts
Subsequent to contract conformance of a Requirements bid, purchase orders will be issued at such time that the product and/or service is needed.

Such purchase orders will indicate whether if delivery is to be made upon receipt of order, or only after notification by the using department.

4.1.2 Invoices shall be submitted after delivery and acceptance of the product or service by the City. The City makes all efforts to process invoices in a timely manner. Incomplete and/or inaccurate information may result in delays of invoice processing. Please make sure that invoices contain the following information to help the City process payments to the successful bidder as quickly as possible.

(a) After the delivery or services have been completed the successful bidder must submit three (3) copies of the invoice for payment to the receiving department listed on the purchase order.

(b) The invoice must correctly reference both the purchase order number and the awarded name, address and Federal Employer Identification number.

(c) Checks will only be made payable to the company name as shown on the purchase order; the invoice must reflect this same company name as the "pay to".

(d) The invoice must show the quantity; the item or type of service; and the price.

(e) The unit of purchase on the invoice must agree with the unit cited on the purchase order. Reference to the specific line item is helpful.

4.1.3 The using agencies and departments are responsible for monitoring the services and/or products delivered as described in the contract. If any problems arise, a letter should be sent to the vendor requesting resolution by a specified date. A copy should be sent to the buyer. If vendor does not resolve the breach of contract by the requested date the matter should be turned over to the buyer.

4.1.4 **ADD-ONS:**
The City reserves the right to add, delete, or change locations and/or acquire products/services that the successful bidder can supply that are similar to, but not specifically called for in this bid. The procedure for any such changes shall be as follows:

Procurement Department or the using department will obtain from the successful bidder a letter (on his/her letterhead) verifying the items to be added. The letter shall include the complete description of the item, the location (if applicable), the bid number, bid schedule number, the price to the City and the applicable contract period; and upon receipt and approval by the Procurement Department shall automatically become part of the contract. **The City, however, reserves the right to accept or reject the letter and to acquire the supplies or materials in the open market.**

4.1.5 **MATERIALS TESTING:**

The City of Philadelphia, may, during the life of this contract, supply a delivered product from this contract to the Materials Testing Laboratory. These products shall be tested to ensure conformance with bid specifications. If product fails, or is different from product supplied at award stage, rejection procedures will be implemented.

4.2 **VENDOR RESPONSIBILITY:**

4.2.1 Contractor may only deliver products, services or equipment (as applicable) as authorized in the contract and only after receipt of a purchase order or other authorized document from the Procurement Department. All orders received must be in writing. Contractor shall not accept verbal delivery requests until after receipt of purchase order or other authorizing document from Procurement Department.

4.2.2 Contractor may deliver only products, services or equipment (as applicable) at the prices quoted in the contract and that are reflected on a purchase order or a change to a purchase order (a change to a purchase order is issued whenever the items, unit price, total amount, or terms and conditions change from the original purchase order).

4.2.3 Contractors may deliver products, services or equipment (as applicable) up to the dollar limit of the purchase order and for the period shown on the purchase order. Contractors are requested to carefully monitor obligations against purchase orders and inform the departments of anticipated funding shortfalls.

4.2.4 **DELIVERY:**
Unless otherwise specified in Section 2, noted by bidder in Section 5, and/or approved by the using agency, delivery of product and/or service will be made within 30 days from date requested by using agency. BIDDER NOTE: In Section 5, specify delivery if other than 30 days.

4.2.4.1 **Liquidated Damages:**
Liquidated Damages in the amount of 5% of the unit price may be applied to each item which exceeds the delivery schedule/requirement.

4.2.5 In the event that the successful bidder receives an order for products, services or equipment not specifically priced and incorporated into the contract, they must:

(i) bring this to the immediate attention of the Procurement Department and
(ii) notify the ordering agency in writing and refuse to deliver.

4.2.6 Should products, services, or equipment be delivered that are not specifically incorporated and priced into the contract, and/or be delivered without purchase order, the City shall have no obligation for payment.

4.2.7 For delivery of products or equipment, successful bidder(s) shall honor and be paid for orders placed until the close of business of the date of purchase order expiration. Delivery of product may occur following purchase order expiration, so long as the order was placed prior to the purchase order expiration date.

4.2.8 **RECYCLING INFORMATION REQUEST:**
The City of Philadelphia requests information regarding any known or potential material content in the product that may be extracted and recycled after the product has served its intended purpose.

Does product bid contain recycled content? YES ☐ NO ☐

Is your product packaged and/or shipped in material containing recycled content? YES ☐ NO ☐

Is your product recyclable after it has reached its intended end use? YES ☐ NO ☐

Is your product shipped in returnable Containers? YES ☐ NO ☐

4.2.9 At the conclusion of this contract, contractor agrees to cooperate with any incoming vendor on a transition plan to ensure an orderly changeover of responsibilities.

4.2.10 **Invoices/Receipts:**

4.2.10.1 Successful bidders shall submit timely invoices for services, supplies and/or equipment within 30 days. Vendors shall not invoice more than once a month.

4.2.10.2 All invoices/receipts for parts shall have the signature and payroll ID number of the authorized/designated City personnel.

4.2.10.3 Invoices should be sent in triplicate to each ordering department.

4.2.10.3.1 One (1) original and two (2) copies of fully itemized invoices.

4.2.10.3.2 See also item 4.1.2 above.

4.2.11 **MINIMUM WAGE & BENEFITS AND PREVAILING WAGE**
If this bid is for the furnishing of services, except where services are incidental to the delivery of supplies or equipment, it is subject to Chapter 17-1300 of The Philadelphia Code and Mayoral Executive Order 03-14 which establish minimum benefits (health benefits and sick leave) and wages for employees. Please see Paragraph 29, “MINIMUM WAGE & BENEFITS AND PREVAILING WAGE.” of the SS&E Terms and Conditions of Bidding and Contract.

SECTION 5: PRICING

(PRICES QUOTED MAY NOT EXCEED TWO (2) DECIMAL PLACES)

NOTE:
Unit Price(s) quoted below (Section 5: Pricing), will prevail in case of any discrepancy(ies) between Unit Price and "Amount" and will be the determining factor in establishing applicable contract amount(s)/award.

Price shall remain firm for the initial term of the contract as well as the renewal period if optioned by the City.

Demurrage and training shall not be factored into the evaluation to determine the lowest bidder.

Refer to Section 2.8 for delivery instructions.

TN - (Ton) **HR (Hour)** **LOT (LO) - 4-hour training session**

For delivery instructions, refer Section 2.7

		Quantity	Unit of Measure	Unit Price	Total Amount
5.1 Activated Carbon-powdered					
5.1.1	**30730 001 130** Activated Carbon Powdered	1837	TN	$_____	$_____
5.1.2	**30730 031 447 02** Demurrage	8	HR	$_____	$_____
5.1.3	**30730 031 036 27** Training	1	LO	$_____	$_____

Extended Total Amount **$_____**

BIDDER TO STATE HOW PRODUCT(S), SUPPLIES AND/OR PARTS ARE TO BE DELIVERED TO THE CITY OF PHILADELPHIA: (E.G. ON-SITE DELIVERY VIA SUCCESSFUL BIDDER'S TRUCK, UNITED PARCEL, U.S. POSTAL SERVICE ETC.).

TYPE OF TRANSPORT:_____

5-C-9s:15
(Supersedes 5-C-9r:13)
Effective 2/22/15

CITY OF PHILADELPHIA
PROCUREMENT DEPARTMENT
STANDARDS DIVISION

WATER TREATMENT CHEMICALS

1. CLASSIFICATION5

This specification covers a series of chemicals to be used by the Water Department of the City of Philadelphia for the treating of the municipal water supply as follows:

1. **Activated Carbon – Powdered**
2. **Aluminum Sulfate – Liquid**
3. **Ammonium Hydroxide – Liquid**
4. **Calcium Oxide**
5. **Dechlorination Agent**
6. **Ferric Chloride – Liquid**
7. **Ferric Chloride-Liquid with Sulfate Enrichment**
8. **Ferric Sulfate - Liquid**
9. **Fluorosilicic Acid**
10. **Hydrated Lime**
11. **Hydrogen Peroxide**
12. **Phosphoric Acid – Liquid**
13. **Polymer, Liquid Nonionic**
14. **Polymer, Liquid Cationic**
15. **Polymer, Medium Charge Cationic**
16. **Potassium Permanganate**
17. **Sodium Hydroxide – Liquid**
18. **Sodium Hypochlorite**
19. **Sodium Phosphate - Blended**
20. **Sulfuric Acid**
21. **Zinc Phosphate**
22. **Liquid Copper Sulfate Pentahydrate**

2. APPLICABLE SPECIFICATIONS:

The following specifications or publications of the latest issue in effect on the date of the Invitation to Bid shall form a part of this specification, when and as indicated in Section

Applicable Standards of the American Water Works Association
- **Applicable Federal Specifications**
- **Water Chemicals Codex**
- **Copies of Methods of Analysis for the following materials will be furnished on request:**
  Activated Carbon - Powdered

3. REQUIREMENTS:

3.1 ACTIVATED CARBON – POWDERED

The material furnished shall be an activated carbon wood based or lignite PAC product, in powdered form. The trade name and brand identification of material offered shall be stated in the bid.

The better activated carbons for water treatment are produced by activation of lignite or charred wood pulp, sometimes called "Woodchar". Carbon is also manufactured from "Barkchar", the principal raw material for which is slabwood, which contains abnormal proportions of bark. The bark has a high content of acid insoluble ash (sand).
The density of bark carbon is far greater, and the pore sizes are much smaller.

Taste and odor producing materials in water are varied, and characteristics of the molecules vary greatly. Large or long-chain molecules cannot be absorbed in small pores. However, the smaller pore carbon may show good results with smaller molecules. The numerous materials in natural waters may vary in their molecular sizes, over many orders of magnitude. Therefore, the carbon pores must be able to accommodate a wide range of sizes.

The "UV254 Removal Test" will be used to demonstrate the carbon's ability to remove high molecular weight impurities such as organics from decaying vegetation and the "Geosmin Test" for long-chain or large sized molecules such as the amines. Performance will be evaluated by these two tests.

The "Geosmin Test" will be performed by the Philadelphia Water Department's Bureau of Laboratory Services Organic Laboratory and the "UV254 Removal Test" will be performed at the Baxter Water Treatment Plant. Samples of powdered activated carbons must be submitted to the Water Department before time of bid in order to be tested by the Department and determined acceptable. Test procedures are available upon request for specified parameters.

Material must conform to AWWA Standard B600- 10, Water Chemicals Codex, and Philadelphia Water Department Geosmin Test criteria in order to be awarded. All analysis reported on Certificate of Analysis by vendor must per performed in a qualified laboratory in the United States of America. No foreign analytical results will be accepted.

The quality of activated carbon in each delivery will be determined from the analysis of a sample collected at the time of delivery at the designated plant. Analysis will be performed by the Water Department's Bureau of Laboratory Services in accordance with the properties listed below.

Properties:

Material shall conform to the following specifications when tested by Philadelphia Water Department's methods:

SPECIFICATIONS

1.	**Impurities**	**Shall comply with Water Chemicals Codex (max. dosage 50 mg/l.)**
2.	**Apparent Density (g/ml)**	**0.75 maximum** **0.20 minimum**
3.	**Phenol Value (g/l)**	**3.5 maximum**
4.	**Iodine Value**	**535 minimum**
5.	**Moisture, % (when shipped)**	**8 maximum**
6.	**Fineness:**	**% through #100 sieve 99 minimum** **% through #200 sieve 95 minimum** **% through #325 sieve90 minimum**

7. Material must readily wet down to produce a suspension, and when applied in treatment it:
   a) must not float
   b) must not settle rapidly

8. Philadelphia Geosmin Removal Test:

In specially prepared synthetic "challenge" water adjusted to simulate the competitive absorptions of Philadelphia's two surface water sources, the carbon must be able to lower the Geosmin level from 25 ppt to below 5 ppt with a dosage not more than 12 ppm (100 lbs/MG).

NOTE: Testing methods for items 2 through 6 are as specified in AWWA Standard for Powdered Activated Carbon (B600-05). Testing methods for Philadelphia Geosmin Removal Test are available upon request.

9. Philadelphia Delaware River UV254 Removal Test:

In Jar tests conducted using Delaware River water with a UV254 range between 0.08 – 0.125 UV absorbance units and a carbon dose of 100 #/mg; the carbon must able to reduce the UV254 level in the jars by a minimum of 10% (median value).

Vendor must submit a manufacturer's Material Safety Data Sheet (MSDS) before or accompanying the first delivery made under this contract. Vendor must submit a new MSDS prior to or accompanying the first shipment subsequent to any revision to the manufacturer's MSDS or change in manufacturers made during the duration of this contract.

3.2 ALUMINUM SULFATE – LIQUID

The material supplied, known commercially, as "Liquid Alum" shall contain not less than 8.0% of water soluble alumina (Al203). It shall contain not less than 0.025% by weight of Al203 in excess of the amount required to combine with the sulfur trioxide (S03) present. It shall contain no substances deleterious or injurious to water treatment. Iron (Fe203) content shall not exceed 0.35%.

The material shall comply with the American Water Works Association Standard for Aluminum Sulfate.B403-09. Quality and test procedures shall conform to the American Water Works Association Standard for Aluminum Sulfate B403-09.

Aluminum Sulfate is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

Each bulk delivery shall be accompanied by a certification of the manufacturing

company as to the brand and analysis of the material, also a weight certificate signed by a certified weigher.

Vendor must submit a manufacturer's Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each of the delivery points. Vendor must submit a new MSDS subsequent to any revision or change during the duration of this contract.

3.3 AMMONIUM HYDROXIDE - AQUA AMMONIA:

The material furnished shall be technical grade liquid Ammonia, Type II of Federal Specification O-A-451f of December 10, 1975. This is a colorless transparent commercial liquid also known as Aqua Ammonia, weighing approximately 7.75 pounds per gallon, and containing nineteen percent (19%) of Ammonia (NH3). The bid price shall be on tons of Ammonia (NH3). It shall contain no extraneous materials deleterious or injurious to consumers of water treated with it in appropriate dosages. It shall contain no sediment that could clog or interfere with proper operation of feed pumps or other equipment used by the Water Department.

Ammonium Hydroxide is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects. The material shall comply with the American Water Works Association Standard for Aqua Ammonia B306-07.

Vendor must supply a manufacturer's Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point. Vendor must submit a new MSDS subsequent to any revision or change during the duration of the contract.

3.4 CALCIUM OXIDE: HIGH CALCIUM QUICKLIME

The calcium oxide material shall be a high calcium, continuous flow kiln Oxide of Lime, containing ninety percent (90%) of Calcium Oxide (CaO). It shall contain no mineral or organic substances in quantities capable of producing deleterious or injurious affects upon the health of those consuming the water,

which has been treated with it.

Bids shall state quoted prices on materials crushed, screened, and delivered The quicklime shall slake satisfactorily, readily disintegrating into a suspension of finely divided material without the production of objectionable amounts of undissolved grit or unslaked material in the slaker.

Quick lime supplied under this standard shall be freshly burned and shall be substantially free from carbonate solids and siliceous residue. It shall be substantially free of core, ash and dirt, or extraneous materials. Material must comply with ANSI/AWWA B202-07.
Quicklime is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

Material shall conform to the following Physical /Chemical Characteristics;
White or gray, odorless lumps, granules, or powder
Material shall be 3/8" x 1/8" in size and none shall be retained on a ¾" screen.
Available Calcium Oxide 90% determined by test method in ANSI/AWWA Standard B202-07 or most recent revision

Specific Gravity	**3.2 - 3.4**
Bulk Density	**55- 60 lbs/cu ft as determined by ASTM C110**
Iron Oxide (Fe203)	**< 0.25 % by weight**
Aluminum Oxide (A1203)	**< 0.70 % by weight**
Magnesium Oxide (MgO)	**3.00 % by weight**

The quicklime shall have a reactive quality classified as high-reactive lime when tested in accordance with Section 5 of AWWA Standard B202-07: the quicklime shall produce 40 F rise in temperature in 3 min and shall reach the maximum temperature in 10 minutes.

Vendor must supply a manufacturer's Materials Safety Data Sheet (MSDS) prior to the first delivery to each delivery point specified in the bid. Vendor must supply a new MSDS subsequent to any revision made during the duration of this contract.

<u>Notice of Non-conformance</u>
If a hydrated lime product delivery does not meet the requirements of this Specification a Notice of Non-conformance will be provided by the City to the supplier.

Product Rejection and Removal Notice may follow a Notice of Non-conformance
If the material does not meet the specification requirements the supplier shall remove the material from the plant facility that received the off spec material when requested. Removal and disposal of material shall be at no cost to the City. The material that shall be removed shall include the rejected material and any other materials contaminated by the off spec material, for example contents of a silo into which a bulk delivery has been unloaded or slurry material into which off spec material has been added.

3.5 DECHLORINATION AGENT

The material supplied shall be a dechlorinating agent suitable for use in water treatment. This material shall be a Vitamin C based agent that fully neutralizes both chlorine and chloramines. It shall contain no mineral or organic substances deleterious or injurious to the water quality and aquatic life of receiving streams. This material shall be certified as suitable for use as a dechlorinating agent.

The material supplied shall come in both granular and tablet form. This product may contain a buffering agent to stabilize pH.

Material is to be either Vita –D- Chlor, Vita –D- Chlor Neutral or approved equal. Bidder shall certify that the material supplied is of similar percent activities, solids, viscosity, and molecular weight as Vita – D- Chlor, Vita –D- Chlor Neutral.

Vendor must submit a manufacturer's Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point specified in the bid. Vendor must submit a new MSDS subsequent to any revision or change during the contract.

3.6 FERRIC CHLORIDE - LIQUID:

Ferric Chloride (Liquid) suitable for use in water treatment: It shall contain no mineral or organic substances deleterious or injurious to the health of consumers of the water treated. The material shall comply with AWWA Standard B407-12.

Liquid Ferric Chloride is a direct additive used in the treatment of potable

water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

Before starting deliveries the vendor shall state the percentage concentration that will be delivered and shall deliver a consistent concentration, plus or minus one percent (1.0%).
The vendor must comply with a City request to supply ferric chloride with concentrations that are consistently at the lower end of the specified concentration range and below 38.5% FeCl3 by weight. Such a request may necessary to offset increased risk of ferric chloride freezing in outdoor storage and feed lines.

Physical/ chemical Properties shall be in accordance with the following:

A. Liquid ferric chloride shall contain between 37 % and 42% FeCl3 by weight.
B. The free acid, expressed as HCl, shall not exceed 1.0 %.
C. There shall be a maximum of 0.50 % by weight Sulfate (SO4)
D. No more than 0.75% of the total iron shall be in the ferrous state
E. The solution shall not contain more than 0.5% total insoluble matter by weight.
F. The manganese concentration shall not exceed 1000 parts per million
G. The Titanium concentration shall not exceed 100 parts per million
H. The specific gravity shall be between 1.386 and 1.480

Payment shall be made at the price bid on the basis of dry tonnage of Iron (Fe) contained in the liquid delivered. Delivery shall be accompanied by certificate of analysis that shall include percent ferric chloride (FeCl3) and the percent free acid. Shipment shall also be accompanied by certified weight slip showing net weight delivered.

Vendor shall supply a manufacturer's Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point. The vendor must submit a new MSDS subsequent to any revision or change during the duration of the contract.

3.7 FERRIC CHLORIDE – LIQUID WITH SULFATE ENRICHMENT:

Ferric Chloride (Liquid) suitable for use in water treatment: It shall contain no mineral or organic substances deleterious or injurious to the health of consumers of the water treated.

The material shall comply with AWWA Standard B407-12.
Liquid Ferric Chloride is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

Before starting deliveries the vendor shall state the percentage concentration that will be delivered and shall deliver a consistent concentration, plus or minus one percent (1.0%) FeCl3, unless change is agreed upon between vendor and the Water Department of the City. Frequent changes will not be accepted. Content shall be in accordance with the following:

A. Liquid ferric chloride shall contain between 37 % and 42% FeCl3 by weight.
I. The free acid, expressed as HCl, shall not exceed 1.0 %.
J. There shall be a maximum of 5.0 % by weight Sulfate (SO4)
K. No more than 0.75% of the total iron shall be in the ferrous state
L. The solution shall not contain more than 0.5% total insoluble matter by weight.
M. The manganese concentration shall not exceed 1000 parts per million
N. The specific gravity shall be between 1.390 and 1.480

Payment shall be made at the price bid on the basis of dry tonnage of FeCl3 contained in the liquid delivered. Delivery shall be accompanied by certificate of analysis that shall include percent ferric chloride (FeCl3) and the percent free acid. Shipment shall also be accompanied by certified weight slip showing net weight delivered.

Vendor shall supply a manufacturer's Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point. The vendor must submit a new MSDS subsequent to any revision or change during the duration of the contract.

3.8 FERRIC SULFATE - LIQUID:

The material supplied shall be a liquid ferric sulfate solution suitable for use in the treatment of potable water. It shall contain no substances, either organic or inorganic that can be deleterious or injurious to consumers of the water

treated with acceptable quantities. The material shall conform to AWWA Standard B406-06.

Ferric Sulfate is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

Content of the liquid shall be in accordance with the following:

1. **Total soluble iron content must be equal to or greater than 12.0 % in solution.**
2. **Total suspended solids shall not exceed 0.9%. The material shall contain not more than 3.0% of free sulfuric acid**
4. **The material shall contain no organic sulfides or other objectionable odor-producing matter that could affect the quality of the water.**
5. **The material shall contain less than 0.5% by weight chloride (Cl-)**
6. **The material shall contain no additives or detergents.**

Ferric Sulfate supplied shall not contain any substances in quantities that will result in treated sludges that will be designated as hazardous wastes by local, state, or federal authorities.

Price will be based on tons of trivalent iron (Fe).
Before starting deliveries, the vendor must state the percentage concentration of iron in the deliveries for the length of the contract, and shall deliver a consistent concentration, plus or minus 0.5% iron unless agreed upon between the vendor and the Philadelphia Water Department.
Analysis of the material in each shipment shall accompany each delivery and shall include the concentration of iron, the percent of free acid, and the specific gravity.
Methods of analysis used by the Philadelphia Water Department are those of AWWA Standard B406-97.

Vendor must submit a manufacturer's Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point. Vendor must submit a new MSDS subsequent to any revision or change during the duration of the contract.

3.9 FLUOROSILICIC ACID:

The fluorosilicic acid material furnished under this specification shall be a liquid containing not less than twenty (20) or more than thirty (30) percent of H_2SiF_6.

Before starting deliveries the vendor must state the percentage concentration in the deliveries for the length of the contract, and shall deliver a consistent concentration, plus or minus one percent (1.0%) H2SiF6 throughout the contract term unless change is agreed upon between the vendor and the Water Department of the City. Material shall comply with AWWA Standard B703-11.

Fluorosilicic acid is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

The material shall contain no mineral, or organic substance, or substances in quantities capable of producing deleterious or injurious effects on the health of the persons consuming water treated with Fluorosilicic acid.
The material shall be free of suspended matter and shall be from colorless to no more than straw yellow in color. Straw yellow shall be determined as a material with maximum 100 units in accordance with method 2120B, visual comparison method.

Hydrofluoric acid content in Fluorosilicic acid shall not exceed 1%.

Content of Fluorosilicic acid (H2SiF6) in material delivered shall be determined by method designated in Section 5 of the B703-11 "Standard for Fluorosilicic Acid" (H2SiF6) by the American Water Work Association.

Analysis of the material shall accompany delivery stating specific gravity and percent (%) acid. Payment for material shall be at the bid price, on amount of H2SiF6 determined from the total weight of material delivered and analysis of the above methods. Total weight delivered may be determined from certified weighing, or from volume delivered and the determined specific gravity.
Vendor must supply a manufacturer's Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point specified in bid.
The vendor must supply a new MSDS subsequent to any revision or change in manufacturer made during the duration of this contract.

3.10 HYDRATED LIME:

The hydrated lime material shall be high calcium, hydrated product of a continuous-flow kiln Oxide of Lime, containing seventy percent (70- 70%) of available Calcium Oxide (CaO). Material shall comply with AWWA Standard B202-07 or most recent revision. Available Calcium Oxide shall be determined by test method shown in Section 5 of AWWA Standard B202-07.

Material shall contain no mineral or organic substances in quantities capable of producing deleterious or injurious effects to potable water quality or process disruptions. Hydrated lime is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects. Vendor must submit a manufacturer's Materials Safety Data Sheet (MSDS) prior to the first delivery to each delivery point specified in the bid. Vendor must supply a new MSDS subsequent to any revision made during the duration of this contract.

Hydrate material shall be white, dry, finely powdered free from lumps or any foreign materials, which may interfere with the operation of solution tank mixing equipment and slurry pipe lines

Material shall conform to the following Physical /Chemical Characteristics;

Available Calcium Oxide	**70- 75%**
Specific Gravity	**2.2 - 2.4**
Bulk Density	**25- 35 lbs/cu ft as determined by ASTM C110**
Solubility in Water	**0.2% or less @ 32 °F**

Insoluble Content is less than or equal to 1.5% total by weight as measured on a 100 mesh sieve

Iron Oxide (Fe203)	**< 0.25 % by weight**
Aluminum Oxide (A1203)	**< 0.70 % by weight**
Magnesium Oxide (MgO)	**< 2.00 % by weight**

The temperature of 20% lime slurry, produced upon delivery by mixing hydrate material with dilution water, shall not exceed the temperature of the dilution water by more than 15 F.

<u>Notice of Non-conformance</u>

If a hydrated lime product delivery does not meet the requirements of this

Specification a Notice of Non-conformance will be provided by the City to the supplier.

<u>Product Rejection and Removal Notice may follow a Notice of Non-conformance</u>
If the material does not meet the specification requirements the supplier shall remove the material from the plant facility that received the off spec material when requested. Removal and disposal of material shall be at no cost to the City. The material that shall be removed shall include the rejected material and any other materials contaminated by the off spec material, for example contents of a silo into which a bulk delivery has been unloaded or slurry material into which off spec material has been added.

3.11 HYDROGEN PEROXIDE– LIQUID, NSF Grade

Hydrogen Peroxide is a special product containing levels of additive. Material shall be a clear, colorless liquid certified by NSF International for use in treatment of drinking water ANSI/NSF Standard 60 Drinking water Additives-Health Effects.

Properties:Material shall conform to the following specifications when tested by Philadelphia Water Department's methods:

		SPECIFICATIONS
H2O2 content, % by weight		50 % (50.0 – 50.8)
Stability, 24 hours @ 100oC	≥	96.0 %
Apparent pH		2.8
Residue, ppm	<	20
Arsenic (ICP), ppm	<	1.0
Lead (ICP), ppm	<	0.002
Iron (ICP), ppm	<	0.002
Active Oxygen, % by weight		23.5 %
Specific Gravity @ 20oC		1.20
H2O2 grams per liter @ 20oC		600
Lbs / U.S. gal (kg/M3) @ 20oC		10.0 (1198)
Freezing Point, oC		-52 (-62)

Vendor must supply a new Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point. The vendor must supply a new MSDS subsequent to any revision or change in manufacturer made during the duration of this contract.

3.12 PHOSPHORIC ACID – LIQUID, Technical Grade

Material shall be clear colorless liquid phosphoric acid with no foreign odor complying with Federal Specification 0-0-670C. Material shall be 75% H3P04. Vendor is required to deliver a consistent strength product throughout the contract.

Material shall not exceed 140 degrees F at time of delivery.
Analysis of material shall accompany delivery stating specific gravity, percent ortho-phosphate, chloride (ppm), Iron (ppm) and mg/kg of arsenic, lead and heavy metals (as Pb).

Vendor must supply a new Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point. The vendor must supply a new MSDS subsequent to any revision or change in manufacturer made during the duration of this contract.

3.13 POLYMER, LIQUID NONIONIC:

Material shall be a high molecular weight, nonionic charge, water-soluble polymer complying with American Water Works Association (AWWA) Standard B451-98 or latest revision. Material shall be effective as a filter aid and flocculent aid in various liquid / solid separation applications. Material is to be either Calgon POL EZ 652 or approved equal. Bidder shall certify that the liquid polymer is of similar percent activities, solids, viscosity, and molecular weight as Calgon's POL EZ 652.

Liquid nonionic polymer is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects. Vendor must submit a manufacturer's Material Safety Data Sheet (MSDS) and documentation of the concentration of acrylamide in the product before or accompanying the first delivery made under this contract.

Vendor must submit a new MSDS prior to or accompanying the first shipment subsequent to any revision to the manufacturer's MSDS or change in product quality or manufacture during the duration of this contract. Product is to have a minimum shelf life of one (1) year. It shall not gel, crystallize, or lose effectiveness during storage.

3.14 POLYMER, LIQUID CATIONIC:

Material shall be a poly (Diallyl dimethylammonium chloride) polymer

complying with American Water Works Association (AWWA) Standard B451-98 or latest revision. Material shall be twenty percent (20%) plus or minus one percent (1%) poly (Diallyl dimethylammonium Chloride) as determined by AWWA Standard B451-10, Section 5. Cationic polymer shall be low monomer.

Material is to be either Calgon Cat-Floc-TL or approved equal. Bidder shall certify that the liquid polymer is of similar percent activities, solids, viscosity, and molecular weight as Calgon's Cat-Floc-TL. Liquid cationic polymer is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/N SF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

Vendor must submit a manufacturer's Material Safety Data Sheet (MSDS) and documentation of the concentration of acrylamide in the product before or accompanying the first delivery made under this contract. Vendor must submit a new MSDS prior to or accompanying the first shipment subsequent to any revision to the manufacturer's MSDS or change in product quality or manufacture during the duration of this contract.Product is to have a minimum shelf life of one (1) year. It shall not gel, crystallize, or lose effectiveness during storage.

<u>3.15 POLYMER, LIQUID CATIONIC Medium Charge:</u>

Material shall be a polyacrylamide medium charge cationic in emulsion form. polymer complying with American Water Works Association (AWWA) Standard B451-98 or latest revision. Material shall have a minimum active polyacrlamide of 39 % and a cationicity of 40%. Total solids shal be 43.0 to 50.0 %.

Material is to be either Calgon CLARIFLOC C-6244 or approved equal. Bidder shall certify that the liquid polymer is of similar percent activities, solids, viscosity, and molecular weight as Calgon's CLARIFLOC C-6244.

Liquid cationic polymer is a direct additive used in the treatment of waste water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/N SF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

Vendor must submit a manufacturer's Material Safety Data Sheet (MSDS) and documentation of the concentration of acrylamide in the product before or accompanying the first delivery made under this contract. Vendor must submit a new MSDS prior to or accompanying the first shipment subsequent to any

revision to the manufacturer's MSDS or change in product quality or manufacture during the duration of this contract.

Product is to have a minimum shelf life of one (1) year. It shall not gel, crystallize, or lose effectiveness during storage.

3.16 POTASSIUM PERMANGANATE

The material shall be free-flowing grade potassium permanganate (KMn04), also called permanganate of potash. It shall contain no impurities, organic or inorganic, that can be deleterious or injurious to the health of consumers of the water treated with it in acceptable quantities. Material supplied must conform to AWWA Standard B603-10.

Potassium permanganate is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects. Material furnished shall not be less than 97 percent KMn04 by weight with specific gravity of 2.7 g/cm3. Bulk density should be 100lb/ft3.

Material supplied shall not form lumps in the package lumps that cannot be easily broken up by rubbing between the fingers with minimal pressure and shall have no other characteristics that will prevent its use in dry-type chemical feeders.

The potassium permanganate may be treated with an additive to cause free-flowing without sacrifice in other properties.

The particle size of the material shall be such as that no more than 7% by weight shall pass through a US #200 (75) sieve and no more than 20% by weight shall be retained on a US #40 (425) sieve.

Vendor shall submit a manufacturer's Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point. Vendor must submit a new MSDS subsequent to any revision or change during the duration of the contract.

TEST METHODS: Test methods used by the Philadelphia Water Department will be those of AWWA Standard B603-10.

3.16.1 Potassium Permanganate, Granular

The material shall be a granular form of potassium permanganate (KMn04), also called permanganate of potash. Material will be used for the purposes of odor control at the City's wastewater treatment plants.

Material supplied shall be certified as to not to affect sludge quality when added at the maximum application rate, published by the manufacturer.

Material furnished shall not be less than 96.5 percent KMn04 by weight.

The potassium permanganate may be treated with an additive to cause free-flowing without sacrifice in other properties. The particle size of the material shall be such as that no less than 20% by weight shall pass through a US #850 sieve (formerly #20).

Granular potassium permanganate should have following characteristics:
Bulk Density – 70 lb/ft3
Solubility – 54 lb/100gal at 20oC
Settling Rate – 1 foot/second
Dissolution rate in water – 1 gram/hour
Vendor shall submit a manufacturer's Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point. Vendor must submit a new MSDS subsequent to any revision or change during the duration of the contract.

3.17 SODIUM HYDROXIDE - LIQUID: "Caustic Soda"

The liquid sodium hydroxide furnished, known commercially as "Caustic Soda", shall be suitable for the use in treating potable water. Either Rayon or Diaphragm grade is acceptable. Liquid sodium hydroxide supplied shall contain 25 % NaOH. The concentration of sodium hydroxide must be consistent plus or minus 1% throughout this contract. The material shall contain no minerals or organics that can be deleterious or injurious to consumers of the water treated in acceptable dosages.
Material shall meet AWWA Standard B501-08

Sodium hydroxide is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

The product shall contain no contaminants which results in any corrosion or

negative impact to chemical storage tanks or chemical feed equipment. Moreover the product shall contain no contaminants which result in a change to the products inherent "basic "characteristics, e.g. contamination by a chlorine product as an example.

In the event of product contamination, the vendor shall be liable for all costs associated with damages and remediation. Vendor must supply a manufacturer's Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point. Vendor must supply a new MSDS subsequent to any change or revision during the duration of the contract.

3.18 SODIUM HYPOCHLORITE – LIQUID

The material supplied shall be a solution containing a 12% minimum concentration of available chlorine by weight, unless otherwise specified in the bid requirements. Material shall meet ANSI/AWWA Standard for Hypochlorites B300-10.

Material shall be a clear liquid containing not more than the following:

- **Less than 0.15% insoluble material by weight**
- **The total free alkali (as sodium hydroxide) in sodium hypochlorite shall not exceed 0.4 % excess caustic.**
- **Less than 1500 mg/L ClO3**
- **Less than 0.5 mg/L iron**
- **Less than 0.05 mg/L nickel and copper**

The Chlorine and caustic soda used for the manufacture of sodium hypochlorite shall meet the requirements of AWWA Standards for each. Sodium hypochlorite is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

The material shall not contain organic or inorganic substance in quantities that would be deleterious or injurious to anyone consuming any water treated by acceptable quantities of the sodium hypochlorite.

The concentration of available chlorine must be consistent plus or minus 1% throughout this contract.

Vendor must supply a chemical analysis with each shipment, including available chlorine by weight, free alkalinity, chlorine weight per gallon, pH, and

sodium hypochlorite by weight.

Vendor must submit a Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point. Vendor must submit a new MSDS subsequent to any revision or change during the duration of the contract.

3.19 Sodium Polyphosphate - Blended Sodium Polyphosphate Lime Dispersant

Sodium Phosphate blend should contain 34% of total phosphate including both ortho and polyphosphate in a 30/70 ratio.

Material should be a clear liquid with a specific gravity of 1.36 +/- 0.03, pH of 5.0 +/- 0.3 and density of 11.4 pounds per gallon.

Material components shall conform to the American Water Works Association Standards quality and test procedures.

Blended sodium polyphosphate will be used as a direct additive in treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

A certification of the manufacturing company as to the brand and analysis of the material shall accompany each delivery.

Vendor must submit a manufacturer's Materials Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each of the delivery points. Vendor must submit a new MSDS subsequent to any revision or change during the duration of this contract.

3.20 SULFURIC ACID:

The sulfuric acid (oil of vitriol) to be supplied must be technical grade. Material must conform to Water Chemicals Codex (max. dosage 50 mg/l). The material must be suitable for use in treating potable water and contain nothing deleterious or injurious to the health of consumers of the water treated with it.

Specific gravity must be a minimum of 1.84 and the percent sulfuric acid a minimum of 93%.

Sulfuric Acid is a direct additive used in the treatment of potable water. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects.

3.21 ZINC ORTHOPHOSPHATE - CORROSION INHIBITOR

Material shall be liquid containing food grade chemicals which provide dissociated zinc and phosphate ions specifically produced for use in potable water to control corrosion of distribution lines and other contacted metal surfaces and shall be harmless to non-metallic materials. Vendor should be able to prove material is produced for use in potable water by supplying a list of water suppliers and contact persons who have used or are using product, or a listing of all raw materials and certification by the manufacturer that each is of food grade quality, if the Water Department requests such.

This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 60, Drinking Water Treatment Chemicals – Health Effects. Material shall meet ANSI/AWWA Standard B506-13.

Additionally, the following shall be met:
Material shall contain one part zinc to 11 parts orthophosphate (1:11) by weight

Material must be certified against NSF Standard 60 for use in drinking water by approved laboratory.

-Material shall be harmless to non-metallic materials and shall not corrode in any way
304 stainless steel.
-
Material shall contain no mineral or organic substances deleterious or injurious to consumers of water treated with material at appropriate dosages.
-
Material shall not contain any insoluble material upon delivery, nor shall the product generate precipitated salts during storage.
-
Material shall have the following physical and chemical properties:

- **Appearance: Clear, colorless**
- **Odor: None**
- **Specific Gravity: 1.3 to 1.6 at 70 degrees F.**

- **PH: 0.8 min.**
- **Freeze-Thaw Recovery: complete at 60 degrees F.**
- **Phosphate Content shall be 44% by weight +/- 1 % (range 43%-45%)**
- **Zinc content: Shall be 4% by weight +/- 0.5% (range 3.5%- 4.5%)**

Vendor must supply a manufacturer's Material Safety Data Sheet (MSDS) prior to or accompanying the first delivery to each delivery point. Vendor must supply a new MSDS subsequent to any revision or change during the duration of the contract.

Vendor must obtain prior Water Department approval to any change in manufacturer or chemical before making delivery of new material. City reserves the right to terminate this contract for failure to abide by this specification.

***3.21.1 ALTERNATE #1 TO ZINC PHOSPHATE - CORROSION INHIBITOR*:**
1 part zinc: 12 parts orthophosphate (1:12)

Bidders have an option to supply material which is as follows:
Material shall contain one part zinc to 12 parts ortho-phosphate (1:12) by weight
- Phosphate Content shall be 48% by weight +/- 1 % (range 47%-49%)
-Zinc content: Shall be 4% by weight +/- 0.5% (range 3.5%-4.5%)

Alternate must comply with all other pertinent specifications of 3.21.

3.22 ALGICIDE/BACTERICIDE ; Liquid Copper Sulfate Pentahydrate

The product must be registered with the Federal EPA as an algicide/bactericide and Certified to ANSI/NSF Standard 60, Drinking Water Treatment Chemicals. The active ingredient shall be copper sulfate pentahydrate with a metallic copper equivalent of 5% by weight. The copper in the product must be fully dissolved and, the release of the cupric ion controlled by biological demand.

Copper sulfate pentahydrate is covered under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) as a pesticide. Product must be packaged and labeled as a pesticide for algae control. Packaging material, empty product totes must be picked up by the supplier and disposed of in accordance with FIFRA and local regulations. Any spilled or liquid product waste must be disposed of in compliance with FIFRA and local regulations.

Tamper evident product packaging must be used in addition to PWD security

seals. Ship product in 275-GALLON totes measures 48" L x 40" W x 46" H. The blow molded high density polyethylene bottle caged in 1/4" steel. Filling port is 6". Discharge from 2" ball valve. - All containers must be labeled with production lot numbers

Product Technical Data
EarthTec®® - EPA No. 64962-1 Algicide/Bactericide
Boiling Point 220° F
Freezing Point 32° F
Vapor Pressure 0.1mm 68° F
Vapor Density 1.0
Specific Gravity 1.2
Maximum pH 0.5
Active Ingredients Copper Sulfate Pentahydrate* 20%
Inert Ingredients 80%
Metallic Copper Equivalent 5% by weight
Ammonia 0.6%
Appearance Clear Blue Liquid
The copper must be 100% soluble in water in all proportions.

Product must self-disperse evenly without mixing or agitating.

The copper must not precipitate out of solution but remain fully dissolved indefinitely until it meets demand.

Certified ANSI/NSF Standard 60 - Drinking Water Treatment Chemicals
Product must be registered by the US Environmental Protection Agency as an Algicide/Bactericide for Lakes, Ponds, Reservoirs, Canals, Lagoons and other Water Systems. - Product must have EPA Signal Word "WARNING" and must be rated as EPA Toxicity Category II
- Product must not cause irreversible eye damage under EPA Precautionary Statements'

Section of label.

- The product must be environmentally safe; non toxic to fish and humans when used in recommended dosages.

- The shelf life of the product shall be a minimum of 5 years without exposure to freezing temperatures.

Successful bidder must provide references from a minimum of three municipal

water treatment installations 10 MGD or larger where the product is being used successfully for algae control, taste & odor / geosmin removal.

Vendor shall provide Start-up services for 1 trip, over two days to assist with installation, optimization and technical assistance.

Vendor shall provide remote technical assistance from qualified engineering or technical personnel with a minimum of 10 years of experience in municipal water treatment projects.

4. SAMPLING, INSPECTION, AND TESTS:

Certificates of analysis and/or other information shall be furnished for those items where specified in Section 3 above.
Tests shall be conducted according to methods indicated herein. Most tests methods are those specified in applicable AWWA Standards, however, for those chemicals that have no associated AWWA Standard or when other tests methods are referenced in Section 3 above, copies of Methods of Analysis will be furnished upon request.

5. ORDERING AND DELIVERY:

5.1 All chemicals will be ordered by the Chief Operator or each delivery point specified in the bid. Deliveries are to be made only after receipt of such orders.
5.2 Unless otherwise stated in the Invitation to Bid, or under Section 3 above, all chemicals are to be delivered to the plant designated within five days after receipt of order.
5.3 All deliveries shall be made between 7 AM and 4 PM Monday through Friday, except legal holidays, unless otherwise agreed to between the supplier and Manager of the delivery point or as shown in the specific bid item.

6. SUBSTITUTIONS OR CHANGES IN MANUFACTURER:

Vendor may not substitute another manufacturer's product or deliver any other chemical than what is agreed to at the time of award without prior written approval from the City of Philadelphia Procurement Department. Failure to obtain such approval can result in forfeiture of contract and the vendor removing any delivery made at vendor cost. When delivery is made to large storage tank containing other amounts of chemical, vendor will reimburse the City for any loss of chemical due to contamination with the delivery.

CITY OF PHILADELPHIA
OFFICE OF ECONOMIC OPPORTUNITY
ANTIDISCRIMINATION POLICY- MINORITY, WOMAN AND DISABLED OWNED BUSINESS ENTERPRISES
INSTRUCTIONS AND FORM
(SEALED BID CONTRACTS)

Under the authority of Executive Order No. 03–12, the City of Philadelphia has established an antidiscrimination policy ("Policy") relating to the participation of Minority (MBE), Woman (WBE) and Disabled (DSBE) Owned Business Enterprises in City contracts. Executive Order 03–12 is administered by the City's Office of Economic Opportunity ("OEO").

The purpose of this Policy is to provide equal opportunity for all businesses and to assure that City funds are not used, directly or indirectly, to promote, reinforce or perpetuate discriminatory practices. The City is committed to fostering an environment in which all businesses are free to participate in business opportunities without the impediments of discrimination and participate in all City contracts on an equitable basis. In accordance with the contracting requirements of the City, the City's Policy is applicable to this Invitation and Bid (hereinafter, "Bid").

For this Bid, the City has not established ranges for the participation of MBEs, WBEs and/or DSBEs (collectively, "M/W/DSBEs"), but bidder is encouraged to exercise Best and Good Faith Efforts to include M/W/DSBEs in this bid and in bidder's supply chain. "Best and Good Faith Efforts" are those efforts, the scope, intensity and appropriateness of which are designed and performed to achieve meaningful and commercially useful participation by M/W/DSBEs. An OEO Certification Registry of M/W/DSBEs is maintained by the OEO and is available online at www.phila.gov/OEO/directory. Firms owned and controlled by minority persons, women or disabled persons, which are certified as MBE, WBE, DSBE or DBE by an approved certifying agency, including the Pennsylvania Unified Certification Program, may apply to the OEO for listing in its OEO Certification Registry.

Bidder is also encouraged to identify below, any M/W/DSBEs that will be used by bidder if successful:

Company Name	Address	Certification Status (MBE, WBE or DSBE)	Type of Work/Supply Effort
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DISCLOSURE OF WOMEN AS BOARD MEMBERS AND EXECUTIVE STAFF

Instructions: As required by Section 17-104 of The Philadelphia Code entitled "Prerequisites to the Execution of City Contracts," Section 17-104(3) requires bidder to complete and submit this form with its bid. If bidder believes that these requirements do not apply (e.g., bidder is a single-member Limited Liability Company), please check the first field below and attach an explanation. This form should be submitted with bid but the City reserves the right to allow bidder to submit this information at any time prior to award of a contract.

Bidder's Name: _____Bid Number:_____

Please check here if the requirements do not apply to bidder and attach explanation: ☐

Disclosure of Women as Board Members and Executive Staff

Pursuant to Section 17-104(3) (a) (i) of The Philadelphia Code, please provide the following information:

1. Current percentage of female executive officers in bidder's company: ☐

2. Current percentage of women on the executive board of the bidder's company: ☐

3. Current percentage of women on the full board of the bidder's company: ☐

Aspirational Goals for Women as Board Members and Executive Staff

Pursuant to Section 17-104(3) (a) (ii) of The Philadelphia Code, please provide the following information:

1. Percentage goal for female executive officers in bidder's company: ☐

2. Percentage goal for women on the executive board of the bidder's company: ☐

3. Percentage goal of women on the full board of the bidder's company: ☐

Identify Below Any Efforts to Achieve the Aforementioned Goals:

_____ _____

Authorized Signature Date

_____

Print Name and Title

Revised 7.1.14

BASIC SERVICES, SUPPLIES & EQUIPMENT BIDDERS GUIDELINES[1]

The following checklist will assist you in the preparation of your bid. Failure to adhere to these instructions may result in your bid being disqualified.

- ☐ Read the entire bid so that you fully understand all of the requirements. Bidder must meet all qualifications and requirements.

- ☐ Bids and pricing must be in **ink or typed** and on City issued form(s). Faxed bids will not be accepted.

- ☐ The Invitation and Bid may not contain all of the documents that you will need to complete the bid submission. On occasion, it is not possible to include **exhibits, drawings, attached specifications, attached documents, etc.** Applicable documents may be obtained by contacting Procurement Customer Service at bid.info@phila.gov.

- ☐ Make sure that you have signed the Contract Page and affixed your Corporate Seal as required.

- ☐ If applicable, sign and return all addenda.

- ☐ All bids must be submitted to the City of Philadelphia **no later than 10:30 AM** on the date that the bid opens. **Bids MUST be placed in the Bid Box** (slot located outside of Room 170A) prior to the bid opening**.** Bids that are not in the bid box prior to the bid opening may be disqualified.

- ☐ It is the bidder's responsibility to ensure that the bids are submitted in a timely manner and placed in the bid box prior to the bid opening. If the bid is being sent by courier or mail, it is recommended that the bid be sent early. The bid should arrive at least one business day before the bid opens to ensure timely receipt.

- ☐ All bids **must** be placed in a **sealed** envelope. **The Bid Number, Opening Date and Company Name MUST be clearly labeled on the envelope.** If the bid is being delivered by courier or express mail, the bid **must** be in a **separate** sealed envelope inside the courier's envelope or express mail packaging. This is to ensure that all bids conform to the sealed bid process of the City of Philadelphia.

- ☐ **Annual Bid Security Program Fee:** You must enroll and pay the non-refundable Annual Bid Security Program fee. Refer to Section 1 of the bid and Paragraph 2 of the SS&E Terms and Conditions of Bidding and Contract.

  > **2. BID SECURITY.**
  > All bidders must be enrolled in the City's Annual Bid Security Program. All bidders must complete the registration form and pay a non-refundable Annual Bid Security Program fee of $100.00, payable annually to the order of "The City of Philadelphia". Enrollment and payment of the Annual Bid Security Program fee must be completed in order to be eligible for award. If applicable, an individual bid bond may also be required in the Invitation and Bid. Notwithstanding bidder's enrollment in the Annual Bid Security Program, an awarded bidder who fails to execute its contract will be subject to the City's remedies set forth in Paragraph 17.

- ☐ If you plan on submitting the completed registration form and non-refundable Annual Bid Security Program fee of $100.00, payable annually to the order of "The City of Philadelphia" with your bid, the form of payment **must** be in the form of a certified check, cashier's check, treasurer's check, bank money order, or United States postal money order made payable to the order of "City of Philadelphia." Cash, company checks or personal checks are not acceptable.

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[1] This information is provided for guidance only and does not preclude your responsibility to read fully and respond to all portions of the bid.

☐ **Bid Processing Fee:** Submit the non-refundable $25 bid processing fee as outlined in Paragraph 3 of the SS&E Terms and Conditions of Bidding and Contract.

> **3. BID PROCESSING FEE.**
> In addition to enrollment in the City's Annual Bid Security Program and payment of any other fees or monies required to be submitted with the bid, the bid must be accompanied by a non-refundable processing fee of $25.00 in the form of a company check, bank money order or United States postal money order made payable to the order of "City of Philadelphia." Cash is not acceptable.

☐ Submit performance security and/or performance bond as required in the Invitation and Bid, as outlined in Paragraphs 13 and 14 of the SS&E Terms and Conditions of Bidding and Contract.

☐ Do not combine any payment amounts. All payments should be individual and specific.

☐ **Specifications:** You must follow the instructions in Paragraph 4 of the Terms and Conditions. If an alternate to any item is being offered, the bidder must specify the alternate (e.g., make and model #) in the bid and submit with the bid a complete description of the article (including any technical literature) and/or service proposed to be furnished.

> **4. SPECIFICATIONS.** When a formal, numbered, specification is referred to in the Invitation and Bid, no deviation therefrom will be permitted, except if/as indicated in the Invitation and Bid and the bidder will be required to furnish articles and/or services in conformity with that specification. When catalogues, model numbers, trade names, or cuts are listed in the Invitation and Bid, they are, unless otherwise specified, included for the purposes of furnishing bidders with information concerning the style, type or kind of article and /or service desired. A bidder may offer an article and/or service which he/she certifies to be equal or better in quality, performance and other essential characteristics. If submitting an alternate, the bidder must specify the alternate (e.g., make and model #) in the bid and submit with the bid a complete description of the article (including any technical literature) and/or service proposed to be furnished. Failure to do so will require the bidder to furnish the article and/or service specified in the Invitation and Bid. The Procurement Commissioner reserves the sole right to determine whether alternates offered are equal or better. Unless otherwise provided in the bid specifications, all items offered by the bidder must be new. A "new" item is one which will be used first by the City. This clause shall not be construed to prohibit bidders from offering goods, supplies, equipment, or materials containing recycled materials or printing with recycled content; bidders intending to provide goods made with recycled materials should notify the Procurement Department.

☐ **Bid Evaluation and Award:** If the bid is going to be awarded as a whole, you must bid on all items for the bid to be consider responsive. See Section 3 of the Invitation and Bid.

☐ If the bid requires a site inspection, attendance at a Pre-Bid Meeting, samples, financial information or other data you must adhere to these requirements.

☐ Do not submit any counter terms or conditions. **Your bid may be rejected**.

☐ Please double check all mathematical calculations for errors.

If you have questions, please contact Procurement Customer Service at bid.info@phila.gov.

C I T Y O F P H I L A D E L P H I A

Procurement Department
120 Services Building
Philadelphia, PA 19102-1685
(215) 686-4720
(215) 686-4716 Fax
bid.info@phila.gov

Mary E. Stitt
Procurement Commissioner

IMPORTANT INFORMATION FOR ALL SS&E BIDDERS!

City of Philadelphia Annual Bid Security Program for Services, Supplies, and Equipment (SS&E) Bids
Period of Coverage: July 1, 2015 – June 30, 2016

(Bids for Professional Consulting Services, Public Works, Construction and Demolition [wrecking and building removal] *are not* covered under the City's Annual Bid Security Program.)

Dear Vendor:

The City of Philadelphia announces the City's Annual Bid Security Program for fiscal year 2016. The Annual Bid Security Program continues to have a reduced non-refundable fee of **$100.00** and covers the time period from July 1, 2015 to June 30, 2016. Coverage begins from the date of enrollment and payment until June 30, 2016. **In order to be an eligible SS&E bidder, all SS&E bidders must be enrolled in the City's Annual Bid Security Program**. All bidders must complete the registration form and pay the Annual Bid Security Program non-refundable fee of **$100.00**. If applicable, an individual bid bond may also be required in the Invitation and Bid. However, for the majority of SS&E bids, the Annual Bid Security Program will be the only bid security required.

To enroll in the Annual Bid Security Program for the period of **July 1, 2015 to June 30, 2016**, complete this registration form and return the form with the non-refundable fee of **$100.00** in the form of a company check, certified check, treasurer's check, cashier's check, bank money order, or United States Postal Service money order. Cash or personal checks will not be accepted. Make payment to the order of "**The City of Philadelphia**". To clarify the precise use of the payment, enter the words "**Annual Bid Security Program FY2015**" on the memo section of the payment. This registration form and payment should be submitted under separate cover to the attention of "Annual Bid Security Program FY2016" at least one day prior to the opening of the first bid that the bidder wants covered under the program. If the bidder chooses to submit the completed registration form and payment with their bid, **company checks will not be accepted** and payment must be made with a certified check, treasurer's check, cashier's check, bank money order, or United States Postal Service money order**.**

For additional information or inquiries regarding this program, please contact Procurement Customer Service at bid.info@phila.gov.

Forward payment along with this registration form to:

ANNUAL BID SECURITY PROGRAM FY2016
Procurement Department
1401 JFK Boulevard, 170A
Philadelphia, PA 19102-1685

Company Name: _____

Fed EIN/SSN: _____

Street Address: _____

City, State, Zip: _____

Contact Person: _____ **E-mail Address:** _____

Telephone No: (___)_____ **Fax No:** (___)_____

Make all payments to "The City of Philadelphia" in the amount of **$100.00**, for "**Annual Bid Security Program FY2016**".

☐**Certified Check** ☐**Cashier's Check** ☐**Treasurer's Check** ☐**Bank Money Order** ☐**USPS Money Order**

☐**Company Check (Only if Prior to Bid Opening)** **(NO CASH OR PERSONAL CHECKS WILL BE ACCEPTED)**

Rcvd. ___/___/___ Pymt. Type _____ Ck.# _____

C I T Y O F P H I L A D E L P H I A

INSTRUCTIONS FOR GETTING PAID BY THE CITY OF PHILADELPHIA

The City attempts to process invoices in a timely manner. Delays can occur because of incomplete or inaccurate invoicing information. Please make sure that all your invoices contain the following information to help the City in paying you as quickly as possible.

1. **AFTER THE DELIVERY OR SERVICES HAS BEEN COMPLETED YOU MUST SUBMIT THREE (3) COPIES OF AN INVOICE FOR PAYMENT TO THE RECEIVING DEPARTMENT LISTED ON THE PURCHASE ORDER.**

2. **THE INVOICE MUST CORRECTLY REFERENCE THE PURCHASE ORDER NUMBER, THE VENDOR NAME, ADDRESS AND FEDERAL EMPLOYER IDENTIFICATION NUMBER.**

3. **CHECKS WILL ONLY BE MADE PAYABLE TO THE COMPANY NAME AS SHOWN ON THE PURCHASE ORDER, THE INVOICE MUST REFLECT THIS SAME COMPANY NAME AS THE "PAY TO".**

4. **THE INVOICE MUST SHOW THE QUANTITY AND TYPE OF ITEM OR SERVICE AND THE PRICE.**

5. **THE UNIT OF PURCHASE ON THE INVOICE MUST AGREE WITH THE UNIT CITED ON THE PURCHASE ORDER. REFERENCE TO THE SPECIFIC LINE ITEM IS HELPFUL.**

Paying vendors is the responsibility of the *receiving* City Department(s), not the Procurement Department. Vendors should bring any problems concerning payments to the attention of the appropriate City receiving department. The name and number of the contact person can generally be found on the purchase order. If all necessary paperwork has been submitted to the department and questions still remain, vendors should contact:

City of Philadelphia
Accounting Verification
Room 1340 Municipal Services Building
1401 J.F.K. Blvd.
Philadelphia, PA 19102
Phone: 215-686-6365

IN YOU ARE INTERESTED IN RECEIVING YOUR PAYMENTS ELECTRONICALLY RATHER THAN BY CHECK PLEASE SEE ATTACHED LETTER & ACH VENDOR ENROLLMENT AND CHANGE FORM.

C I T Y O F P H I L A D E L P H I A

PROCUREMENT DEPARTMENT
120 Municipal Services Building
Philadelphia, Pa 19102-1685

Mary E. Stitt
Procurement Commissioner

Dear Valued Vendor,

The City of Philadelphia is pleased to announce a new online **Vendor Invoice Information (VII) Website** which will allow businesses such as yours to inquire about the status of invoices billed against purchase orders and professional services contracts. The only requirement is that your invoices utilize a unique number – alpha, numeric or a combination of the two.

This system will be operational twenty four hours a day, seven days a week. All you have to do is log on to the City of Philadelphia website: **www.phila.gov**, click on "Vendor Invoice Information" under the "Help Me" section of the home page, enter your Federal Employer Identification Number (FEIN) and a valid active purchase order. Then, agree to a waiver statement and follow the prompts to get an up-to-date status on your payments.

You are urged to give it a try and see for yourself how easy it is to use. If you should happen to experience any problems, or if you would like to comment on this new system, please e-mail us using the question and comment field provided on the site.

We believe that you will find this new way of obtaining payment information convenient and easy to use.

C I T Y O F P H I L A D E L P H I A

PROCUREMENT DEPARTMENT
Customer Service Unit

This Is Not A Right To Know Request.

This form cannot be used to submit a Right To Know Request. *See* City of Philadelphia Open Records Policy: **http://www.phila.gov/privacy/pdfs/finalcityopenrecords.pdf**

ATTENTION VENDORS

If your company would like to receive the results of a particular bid, the Customer Service Unit of the Procurement Department will forward this information to you for a$**10.00 fee** for **each** bid number requested. **Company check or money order only, no personal checks or cash.** Please be advised that bid tabulations **are not available** by telephone or email. If you have any questions, please email bid.info@phila.gov.

Mail Request To:
The Procurement Department Customer Service Unit
Attention: Bid Results
1401 JFK Blvd.
Room 170B
Philadelphia, PA 19102

Enclose the following items:

- ☐ Company check or Money Order **ONLY** payable to **"The City of Philadelphia".**
- ☐ A self-addressed stamped envelope which is at least 9 ½ " x 12 ½ " or larger for **each** Bid requested.

YOUR REQUEST CANNOT BE PROCESSED IF YOU DO NOT PROVIDE THE ABOVE ITEMS

Please complete the form below. Only one (1) request per form.

BID RESULTS REQUEST FORM

Date of Request: _____

Bid Number Requested: _____ Opening Date: _____

Company Name: _____

Company Representative: _____

Address Line 1: _____

Address Line 2: _____

Email Address: _____

Telephone No: _____ Fax No.: _____

BID SUBMISSION

1. PREPARATION AND SUBMISSION OF BID.
All bids must be written in ink or typewritten and made on the forms issued and signed in ink by a person with legal authority to bind the bidder. The contract awarded hereunder shall consist of: the Invitation and Bid; all addenda issued thereto by the City, any surety bonds approved as to legal form by the Law Department, all warranties, exhibits and attachments reviewed and accepted by the City; and these Terms and Conditions of Bidding and Contract (the "Contract").

It is the sole responsibility of the bidder to ensure that the bidder has received any and all addenda and the Procurement Commissioner may in his/her sole discretion reject any bid for which all addenda have not been executed and returned in accordance with the instructions provided therein. No bid may be considered if received after the date and time for the opening of bids established by the Invitation and Bid, nor may any bid be modified after that date and time. The time of bid opening shall be the time displayed on the City's official bid clock located at the bid room. In the event of any discrepancy between actual time and the City's official bid clock, the latter shall determine the time of bid opening. Notwithstanding the foregoing, the Procurement Commissioner reserves the right to accept a late bid if it is the only response and it is in the best interest of the City to do so.

2. BID SECURITY.
In order to be eligible to bid, all bidders must be enrolled in the City's Annual Bid Security Program. All bidders must complete the registration form and pay a non-refundable Annual Bid Security Program fee of $100.00, payable annually to the order of "The City of Philadelphia". Enrollment and payment of the Annual Bid Security Program fee must be completed prior to bid opening to be eligible for award. If applicable, an individual bid bond may also be required in the Invitation and Bid. Notwithstanding bidder's enrollment in the Annual Bid Security Program, an awarded bidder who fails to execute its contract will be subject to the City's remedies set forth in Paragraph 17.

3. BID PROCESSING FEE.
In addition to enrollment in the City's Annual Bid Security Program and payment of any other fees or monies required to be submitted with the bid, the bid must be accompanied by a non-refundable processing fee of $25.00 in the form of a company check, bank money order or United States postal money order made payable to the order of "City of Philadelphia." Cash is not acceptable.

4. SPECIFICATIONS.
When a specification is issued in connection with the Invitation and Bid, no deviation will be permitted, except if/as indicated in the Invitation and Bid and the bidder will be required to furnish articles and/or services in conformity with that specification. When catalogues, model numbers, trade names, or cuts are listed in the Invitation and Bid, they are, unless otherwise specified, included for the purposes of furnishing bidders with reference information concerning the style, type or kind of article and /or service desired. A bidder may offer an article, service and/or equipment, which he/she certifies to be equal or better in quality, performance and other essential characteristics. If submitting an alternate, the bidder must specify the alternate (e.g., make and model #) in the bid and submit with the bid a complete description of the article (including any technical supporting documentation) and/or service proposed to be furnished. Failure to do so will require the bidder to furnish the article and/or service specified in the Invitation and Bid. The Procurement Commissioner reserves the sole right to determine whether alternates offered are equal or better.

Unless otherwise provided in the bid specifications, all items offered by the bidder must be new. A "new" item is one which will be used first by the City. This clause shall not be construed to prohibit bidders from offering goods, supplies, equipment, or materials containing recycled materials or printing with recycled content; bidders intending to provide goods made with recycled materials should notify the Procurement Department.

Any and all specifications issued in connection with the Invitation and Bid are deemed incorporated into and become part of the Contract.

5. PATENTS.
The successful bidder (also referred to throughout these Terms and Conditions of Bidding and Contract as the "awarded bidder" or "Contractor") shall be solely responsible for all royalties and charges that may be due to any patent holder for or on account of the use of any patented appliance, product or processes. Evidence of such payment shall be submitted upon request of the Procurement Commissioner and failure to submit such evidence may, in the sole discretion of the Procurement Commissioner, result in rejection of the bid or constitute an event of default, entitling the City to all rights and remedies as provided herein in Paragraph 19 Default and Termination.

6. LOCAL BIDDING PREFERENCE.*
In accordance with Chapter 17-109 of the Philadelphia Code relating to Local Bidding Preferences for Procurement Contracts, this bid may be subject to a local bid preference. In order to determine eligibility to receive the preference, if applicable, bidder must be certified at the time of bid opening and must submit with the bid, the Local Business Entity Certification Number* as issued by the Procurement Department for the bidder. If the Procurement Commissioner determines that the awarded bidder fails to comply with its representation at any time during the term of its contract, the awarded bidder's LBE certification will be revoked and the awarded bidder shall be deemed in substantial breach of such contract, shall be required to pay liquidated damages of 10% of the awarded contract amount, and may be debarred by the Procurement Commissioner in accordance with the Procurement Department Debarment Regulation for a period up to three years.

*Note: If you wish to apply for Local Business Entity (LBE) certification, go to www.phila.gov/bids. Please allow sufficient time prior to bidding for processing of the LBE application.

EVALUATION AND AWARD

7. TYPES OF BIDDER RESTRICTED.
Bidders must not be a party to more than one bid for the same article or service. A violation of this condition may, in the sole discretion of the Procurement Commissioner, result in rejection of any or all such bids in which the bidder has an interest.

8. RESPONSIVENESS.
Subject to the right of the Procurement Commissioner to waive non-responsiveness as set forth below in this Section, these Terms and Conditions of Bidding and Contract and the specifications and requirements included in the Invitation and Bid are mandatory and must be strictly followed by all bidders in the preparation and submission of their bids. After bids are opened, the Procurement Department, and other City departments or agencies where appropriate or specified, shall review all bids for responsiveness to these Terms and Conditions of Bidding and Contract and the specifications and requirements included in the Invitation and Bid.

Any bid which is incomplete, obscure, conditional, or unbalanced, which contains additions not called for, or irregularities of any kind, including alterations or erasures, or which fails to conform in any respect to these Terms and Conditions of Bidding and Contract and the specifications and requirements included in the Invitation and Bid is non-responsive and shall be rejected, except where the Procurement Commissioner, in his/her sole discretion, determines that the non-responsiveness is not material or that a waiver of the non-responsiveness is otherwise permitted by the Invitation and Bid by these Terms and Conditions of Bidding and Contract or by law. The Procurement Department's determination of non-responsiveness shall be final and any bid rejected as non-responsive shall not be eligible for award of the Contract.

9. RESPONSIBILITY.
Unless otherwise specified, after bids are opened, the Procurement Department, and other City departments or agencies where appropriate or specified, shall review and may investigate the responsibility including, but not limited to, the integrity, qualifications, references, capacity and ability to perform the Contract resulting from the Invitation and Bid in accordance with its terms of the lowest responsive bidder. All determinations of bidder responsibility shall be vested in the sole discretion of the Procurement Commissioner and other City officials. Any bidder who is deemed not responsible shall be ineligible for award of the Contract.

Bidders deemed not responsible will be notified of such determination and the reasons therefore in writing by the Procurement Department, and shall have the right to contest the determination by submitting to the Procurement Department, within forty-eight (48) hours after receipt of its written determination, a written request for reconsideration that includes information relating to the bidder's qualifications and responsibility and demonstrating the insufficiency of the reasons stated in the written determination finding the bidder not responsible. Any further determination of a contesting bidder's responsibility shall be vested in the sound discretion of the Procurement Commissioner and other City officials.

10. CANCELLATION AND AWARD.
The Procurement Commissioner, in his/her sole discretion, may cancel any Invitation and Bid prior to bid opening. After bid opening, the Procurement Commissioner, in his/her sole discretion, may reject all bids, if deemed in the best interest of the City. In all cases where a Contract award is made by the Procurement Department, the bidder is bound by the terms and conditions of the Invitation and Bid upon the submission of its bid. All bids are valid for a period of not less than 60 days, or as otherwise specified in the Invitation and Bid. If the bid has not been awarded within the specified period of time, the bid shall be valid for subsequent award only upon the express consent of the bidder, with no change to the submitted bid. Any price increases/decreases expressly provided for in the Invitation and Bid will be allowed. All Contract awards shall be made by the Procurement Department upon written notice to the bidder that is determined by the Procurement Department to be the lowest responsive and responsible bidder. When applicable, unit pricing quoted will prevail in the event of any discrepancy(ies) between unit price and the extended amount. This same quoted unit price will be the determining factor in establishing applicable contract amount(s) and award(s).

11. QUANTITIES AWARDED.
For requirements contracts only, the articles and quantities of such articles as set forth in the Invitation and Bid are estimates and the Procurement Commissioner, in his/her sole discretion, may make an award for none or all or some of the articles bid and in such quantities as the Procurement Commissioner shall deem appropriate. For firm limit contracts, it is the City's intent to award based upon the quantities set forth in the Invitation and Bid, but the City reserves the right to award more or less.

12. DELIVERY, PRICE INCREASES AND TIE BIDS.
All articles must be delivered at the price(s) bid, FOB Destination. Bids containing reservations of the right to increase the price(s) bid including, but not limited to, late payment charges, will not be considered, except where the Procurement Commissioner, in his/her sole discretion, finds it in the City's best interest to do so. In the event of an absolute tie, the award decision will be made in the best interests of the City as determined by the Procurement Commissioner as informed by Mayoral Executive Order 04-12, "Procurement of Local and American Goods and Services."

CONTRACT EXECUTION AND CONFORMANCE

13. CONTRACTS.
Awards of contracts in amounts less than or equal to $32,000 shall become contracts binding upon the City upon written notice of award by the Procurement Commissioner.

a. Awards of contracts in amounts greater than $32,000 shall not become contracts binding upon the City until after written notice of award is made and until after all of the following conditions have been satisfied:

i. Successful bidder posts sufficient performance security, as required in the Invitation and Bid, within the time specified in the written notice of award;

ii. Successful bidder posts a payment bond or other payment security, if and as required by the Invitation and Bid, within the time specified in the written notice of award;

iii. Approval of the Contract as to form by the City's Law Department;

iv. Certification by the Director of Finance and City Controller as to the availability of funds; and

v. Execution of the Contract by the Procurement Commissioner.

The Procurement Commissioner may, in his/her sole discretion, cancel any Contract award if any of the above conditions (i-v) are not satisfied, or if the Procurement Commissioner, in his/her sole discretion, determines cancellation to be in the best interests of the City. The bidder agrees that in the event of such cancellation, it shall not have any claim against the City, including any claim for breach of contract or of any other legal duty, or for lost profits, costs, damages, or expenses of any kind.

14. PERFORMANCE SECURITY.
When applicable, the successful bidder is required to furnish an individual performance bond, issued by a surety approved by the City and in the amount specified in the Invitation and Bid.

15. INSURANCE.
Unless otherwise specified, the successful bidder (referred to in this Section as "Contractor") shall, at its sole cost and expense, procure and maintain in full force and effect, during the entire period of the Contract (including any applicable warranty and/or renewal periods), the minimum types of insurance specified below. All insurance shall be procured from reputable insurers authorized to do business in the Commonwealth of Pennsylvania and shall be acceptable to the City. All insurance required herein shall be written on an "occurrence" basis and not a "claims-made" basis. The City of Philadelphia, its officers, employees, and agents are to be named as additional insured on all policies required hereunder, except the Workers' Compensation and Employers' Liability. Also, an endorsement is required stating that the coverage afforded these parties as additional insured will be primary to any other coverage available to them. The City's coverage as an additional insured shall be primary coverage. The insurance shall provide for at least thirty (30) days prior written notice to be given to the City in the event coverage is materially changed, canceled or non-renewed. Certificates of insurance evidencing the required coverages shall be submitted to the City within fifteen (15) days of notice of contract award and for each renewal period. The City reserves the right to require the Contractor to furnish certified copies of the original policies of all insurance required hereunder at any time upon fifteen (15) days prior written notice. The insurance requirements set forth herein are not intended and shall not be construed to modify, limit, or reduce the indemnifications made in this Contract by the Contractor to the City or to limit the Contractor's liability under this Contract to the limits of the policies of insurance required to be maintained by the Contractor hereunder.

(a) WORKERS COMPENSATION AND EMPLOYERS LIABILITY

i. Workers' Compensation – Statutory limits

ii. Employers Liability - $100,000 Each Accident – Bodily Injury by Accident; $100,000 Each Employee – Bodily Injury by Disease; $500,000 Policy Limit – Bodily Injury by Disease

iii. Other states insurance including Pennsylvania

(b) GENERAL LIABILITY INSURANCE

i. Limit of Liability: $1,000,000 per occurrence combined single limit for bodily injury (including death) and property damage liability.

ii. Coverage: Premises operation: Blanket Contractual liability; Personal Injury liability; Products and completed operations; Employees as additional insured; Cross liability; Broad form property damage (including loss of use) liability; Asbestos abatement liability coverage (Note: Required for asbestos abatement projects only).

(c) AUTOMOBILE LIABILITY

i. Limit of Liability: $1,000,000 per occurrence combined single limit for bodily injury (including death) and property damage liability.

ii. Coverage: owned, non-owned and hired vehicles.

Contractors providing only supplies and equipment to the City via Common Carrier are only required to maintain General Liability insurance, naming the City of Philadelphia, its officers, employees and agents as additional insureds.

16. **INDEMNIFICATION**.
All bidders shall indemnify, defend and hold harmless the City, its officers, employees and agents from and against any and all losses, costs (including, but not limited to, litigation and settlement costs and counsel fees), claims, suits, actions, damages, liabilities and expenses, occasioned wholly or in part by the bidder's act or omission or fault or negligence or the act or omission or fault or negligence of bidder's agents, subcontractors (including suppliers), employees or servants in connection with the Contract, including, but not limited to, those acts or omissions or faults or negligence in connection with loss of life, bodily injury, personal injury, damage to property, contamination or adverse effects on the environment, the bidder's default under the Contract, intentional acts, failure to pay subcontractors and suppliers and any infringement or violation of any proprietary right (including, but not limited to, patent, copyright, trademark, service mark and trade secret). This obligation to indemnify, defend and hold harmless the City, its officers, employees and agents shall survive the termination of the Contract resulting from the Invitation and Bid.

17. FAILURE TO EXECUTE CONTRACT.
Any bidder not lawfully released from its bid, who refuses to execute a contract in accordance with its bid or who fails, refuses or is unable to furnish any required payment security, performance security or insurance, as may be required by the Invitation and Bid and/or

these Terms and Conditions of Bidding and Contract, shall be liable for 10% of the amount of its bid, as liquidated damages to the City; or where the damages are readily ascertainable by the City, for the actual loss, cost or damage incurred by the City as a result of its failure to execute the contract or to furnish such bonds, performance security or insurance.

18. **ASSIGNMENT**.
The successful bidder shall not assign the Contract resulting from the Invitation and Bid, or any part of the Contract, or any right to any monies to be paid under the Contract, or delegate performance of the Contract, without obtaining the prior written consent of the Procurement Commissioner. The decision whether to consent to an assignment is within the Procurement Commissioner's sole discretion. In no case shall the Procurement Commissioner's consent to the assignment of any monies to be paid under the Contract relieve the bidder from faithful performance of any of its obligations under the Contract or change any of the terms and conditions of the Contract. Any purported assignment in violation of this provision shall be of no effect.

19. DEFAULT and TERMINATION.
All work performed and goods and services rendered by a successful bidder (referred to in this Section as "Contractor") under any Contract resulting from the Invitation and Bid shall strictly conform to these Terms and Conditions of Bidding and Contract and the specifications and requirements contained in the Invitation and Bid.

a. The following shall constitute events of default under any Contract resulting from the Invitation and Bid:

   i. Failure by Contractor to comply with any provision of the Contract, including the bid specifications contained in the Invitation and Bid and these Terms and Conditions of Bidding and Contract and/or failure by Contractor to comply with "applicable law" as that term is defined in Paragraph 24.

   ii. Falseness of any representation or warranty by Contractor in the Contract or in other document(s) submitted to the City by Contractor in connection with the Invitation and Bid or fraud in connection with the performance of the Contract.

   iii. Failure by Contractor to pay its suppliers or subContractors, misappropriation of any funds provided under the Contract or failure to notify City upon discovery of any misappropriation.

   iv. A violation of law by Contractor which results in its making a guilty plea, a plea of nolo contendere, or conviction of a criminal offense by Contractor, its directors, employees, or agents or indictment or charges, which in the sole judgment of the Procurement Commissioner, adversely affects the performance of the Contract or Contractor's fitness to provide goods and services to the City.

   v. Failure by Contractor to comply with Chapter 17-1600 of The Philadelphia Code entitled "Economic Opportunity Plans," or the Mayoral Executive Order establishing the City's antidiscrimination policy relating to the participation of minority, woman and disabled owned business enterprises.

   vi. The Procurement Department's determination that the Contractor is not a responsible bidder on the Invitation and Bid, where such determination is made, and is based upon, information received after award of the Contract and/or after execution of the Contract by the Procurement Commissioner and/or after satisfaction of any or all other conditions of a binding Contract set forth in Paragraph 13 above.

   vii. Any other act or omission identified in these Terms and Conditions of Bidding and Contract or elsewhere in the Invitation and Bid as an event or condition constituting default.

b. Upon the occurrence of an event of default, the Procurement Commissioner, in his/her sole discretion, may require Contractor to cure the default within a period of time to be determined by the Procurement Commissioner, or terminate the Contract in whole or in part and exercise any one or more of the following remedies (which remedies may be concurrent and shall be in addition to and not in lieu of the remedies available to the City at law, in equity, under any bond(s) filed in connection with the contract or under other sections of these Terms and Conditions of Bidding and Contract :

   i. Purchase goods and/or services from others in substitution of goods or services that were not furnished or performed by Contractor or that were defective or otherwise in violation of any provision of the Contract; the cost of such substituted goods and services shall be the sole responsibility of Contractor and Contractor agrees to pay immediately, upon receipt of the City's invoice, the difference between the Contract price and the substituted product or service cost, plus any other loss, cost or damages incurred by the City.

   ii. Appropriate to the payment of the difference between the Contract price and the cost of such substitute goods or services, and the amount of any other loss, cost or damage incurred by the City as a result of the default, any monies which may then be due and payable to Contractor under this Contract or any other Contract that Contractor then has with the City.

The City shall notify Contractor in writing of such termination, which shall be effective as of the date specified in the notice of termination (the "Termination Date"). The Procurement Commissioner may, in his/her sole discretion, require Contractor to continue to furnish all goods and perform all services required under the Contract until the Termination Date, in which case, subject to the remedies enumerated above, the successful bidder shall be paid in accordance with the Contract therefore. If the City requires Contractor to cure the event(s) of default, or to continue to furnish goods or services until the Termination Date, and Contractor refuses or fails to do so, then such failure shall itself be deemed an event of default under this Section, for which the City may exercise any of its rights hereunder.

20. PAYMENT FOR EQUIPMENT.
Unless otherwise provided in the bid specifications, when equipment involves installation, (which shall also be interpreted to mean erection and/or setting up or placing in position for service or use) and/or testing, and where such installation or testing is delayed though no fault of the contractor, contractor shall be entitled to a payment equal to 50% of the price bid when such equipment is delivered on site and to a further payment equal to an additional 25% of the price bid when the equipment is installed and ready for test. The balance shall be paid only after the equipment is tested and found to be satisfactory by the City. If the equipment must be tested, but installation is not required to be made by the supplier or if the equipment must be installed but testing is not required, and the installation or testing is delayed through no fault of the contractor, contractor shall be entitled to a payment equal to 75% of the price bid at the time of delivery and the balance shall be paid after satisfactory testing and/or installation, as required.

TAX MATTERS

21. TAX EXEMPTION.
The City of Philadelphia is exempt from the payment of any federal excise or transportation taxes and any Pennsylvania sales tax. The price bid must be net, exclusive of taxes. The City will not pay any sales taxes imposed on the bidder. The bidder must not include any sales taxes imposed on the bidder in its costs to be reimbursed by the City. However, when under established trade practice any federal excise tax is included in list prices, bidder may quote the list price and shall show separately the amount of the federal tax, either as a flat sum or as a percentage of the list price, which shall be deducted by the City. In the event bidder pays any sales or use tax, bidder hereby assigns to City, or City's agent, all of its rights, title and interest in any sales or use tax which may be refunded as a result of the purchase of any articles furnished in connection with the Contract and bidder, unless directed by the City, shall not file a claim for any sales or use tax refund subject to this assignment. Bidder authorizes the City, in City's name or the name of bidder, to file a claim for refund of any sales or use tax subject to this assignment.

22. TAX INDEBTEDNESS.
The City of Philadelphia does not wish to do business with tax delinquents or other businesses indebted to the City. In furtherance of this policy, the following certifications have been developed and shall form a part of any Contract resulting from the Invitation and Bid. The successful bidder or other entity contracting with the City is referred to below as the "Contractor".

a. Contractor's Certification of Non-Indebtedness. Contractor hereby certifies and represents that Contractor and Contractor's parent company(ies) and subsidiary(ies) are not currently indebted to the City of Philadelphia (the "City") and will not at any time during the term of this Contract (including any extensions or renewals thereof) be indebted to the City, for or on account of any delinquent taxes (including, but not limited to, taxes collected by the City on behalf of the School District), liens, judgments, fees or other debts for which no written agreement or payment plan satisfactory to the City has been established. In addition to any other rights or remedies available to the City at law or in equity, Contractor acknowledges that any breach or failure to conform to this certification may, at the option of the City, result in the withholding of payments otherwise due to Contractor and, if such breach or failure is not resolved to the City's satisfaction within a reasonable time frame specified by the City in writing, may result in the offset of any such indebtedness against said payments and/or the termination of this Contract for default (in which case Contractor shall be liable for all costs, losses and other damages resulting from the termination).

b. Subcontractor's Certification of Non-Indebtedness - Contractor shall require all subcontractors performing work in connection with this Contract ("subcontractor" shall also include suppliers providing goods or materials) to be bound by the following provision, and Contractor shall cooperate fully with the City in exercising the rights and remedies described below or otherwise available at law or in equity:

   "Subcontractor hereby certifies and represents that subcontractor and subcontractor's parent company(ies) and subsidiary(ies) are not currently indebted to the City of Philadelphia ("City"). and will not at any time during the term of Contractor's Contract with the City (the "Contract"), including any extensions or renewals thereof, be indebted to the City, for or on account of any delinquent taxes (including, but not limited to, taxes collected by the City on behalf of the School District of Philadelphia), liens, judgments, fees or other debts for which no written agreement or payment plan satisfactory to the City has been established. In addition to any other rights or remedies available at law or in equity, subcontractor acknowledges that any breach of or failure to conform to this certification may, at the option of the City, result in the withholding of payments otherwise due to subcontractor for services rendered in connection with the Contract and, if such breach or failure is not resolved to the City's satisfaction within a reasonable time frame specified by the City in writing, may result in the offset of any such indebtedness against said payments otherwise due to subcontractor and/or the termination of subcontractor for default (in which case subcontractor shall be liable for all costs, losses and other damages resulting from the termination)."

23. TAX REQUIREMENTS.
Any person or entity that bids on and/or is awarded a contract by the City and/or School District of Philadelphia, is subject to Philadelphia's business tax ordinances and regulations.

a. The City Solicitor has determined that anyone who is awarded a contract by the City and/or School District pursuant to a bid has entered into a contract within the City, and the subsequent delivery of goods into the City or performance of services within the City constitutes doing business in the City and subjects the successful bidder, including but not limited to, one or more of the following taxes:

   i. Business Income and Receipts Tax
   ii. Net Profits Tax
   iii. City Wage Tax

The successful bidder, if not already paying the aforesaid taxes, is required to apply to the Department of Revenue, 1401 John F. Kennedy Blvd., Public Service Concourse, Municipal Services Building, Philadelphia, PA 19102 for a tax identification number and to file appropriate business tax returns as provided by law. Questions should be directed to the Business and Earnings Tax Unit at (215) 686-6600.

GENERAL INFORMATION

24. COMPLIANCE WITH LAWS.

The Contractor, in performance of the Contract shall comply with, and all goods, services, documents and other materials furnished under the Contract shall conform with, all applicable present and future federal, state or local laws, ordinances, executive orders, rules, regulations and all court orders, injunctions, decrees and other official interpretations thereof of any federal, state or local court, administrative agency or governmental body, including the City, the Commonwealth of Pennsylvania and the United States of America("applicable law"). Applicable law shall include, without limitation, the specific laws referenced in paragraphs 25 through 31 herein and Chapter 17-1700 (Contractors are obligated to pay their subcontractors promptly after Contractor receives payment from the City) and Chapter 17-1800 (Contractor shall cooperate with the City in addressing its goal of securing employment for Returning Citizens). Contractor shall maintain during the term of the Contract all licenses, and authorizations required by any applicable law.

25. NONDISCRIMINATION.

a. Any Contract awarded pursuant to the Invitation and Bid is entered into under the terms of the Philadelphia Home Rule Charter and in its performance, Contractor shall not discriminate nor permit discrimination against any person because of race, color, religion, ancestry, national origin, sex, gender identity, sexual orientation, age or disability. Such discrimination shall constitute an event of default under this Contract entitling City to terminate this Contract forthwith. This right of termination shall be in addition to any other rights or remedies as provided herein in Section 19 or otherwise available to the City at law or in equity.

b. In accordance with Chapter 17-400 of The Philadelphia Code, Contractor agrees that its payment or reimbursement of membership fees or other expenses associated with participation by its employees in an exclusionary private organization, insofar as such participation confers an employment advantage or constitutes or results in discrimination with regard to hiring, tenure of employment. promotions, terms, privileges or conditions of employment, on the basis of race, color, sex, sexual orientation, gender identity, religion, national origin or ancestry, shall constitute an event of default under this Contract and shall entitle the City to all rights and remedies as provided herein in Section 19 or otherwise available to the City at law or in equity. Contractor agrees to include the immediately preceding sentence, with appropriate adjustments for the identity of the parties, in all subcontracts which are entered into pursuant to this Contract. Contractor further agrees to cooperate with the Commission on Human Relations of the City of Philadelphia in any manner which the said Commission deems reasonable and necessary for the Commission to carry out its responsibilities under Chapter 17-400 of The Philadelphia Code. Failure to so cooperate shall constitute an event of default under this Contract entitling the City to all rights and remedies as provided herein in Section 19 or otherwise available to the City at law or in equity.

26. ETHICS REQUIREMENTS.

To preserve the integrity of City employees and maintain public confidence in the competitive bidding system, the City intends to vigorously enforce the various ethics laws as they relate to City employees in the bidding and execution of City contracts. Such laws are in three categories:

a. Gifts. Executive Order No. 02-04 prohibits City employees from soliciting or accepting anything of value from any person or entity seeking to initiate or maintain a business relationship with the City of Philadelphia, its departments, boards, commissions, and agencies. Bidder understands and agrees that if it offers anything of value to a City official or employee under circumstances where the receipt of such item would violate the provisions of this Executive Order shall be subject to sanctions with respect to future City Contracts. Such sanctions may range from disqualification from participation in a particular Contract to debarment, depending on the nature of the violation. All bidders, agents or intermediaries who are solicited for gifts or gratuities by City employees are urged to report these incidents to the Inspector General, Aramark Tower, Third Floor, 1101 Market Street, Philadelphia, PA 19107.

b. City Employee Interest in City Contracts. In accordance with Section 10-1112 of The Philadelphia Home Rule Charter, no bid shall be accepted from, or Contract awarded to, any City employee or official, or any firm in which a City employee or official has a direct or indirect financial interest. All bidders are required to disclose any current City employees or officials who are employees or officials of the bidder's firm, or who otherwise would have a financial interest in the Contract.

c. Conflict of Interest. Both the State Ethics Act and the City Ethics Code prohibit a public employee from using his/her public office or any confidential information gained thereby to obtain financial gain for himself/herself a member of his/her immediate family, or a business with which he/she or a member of his/her immediate family is associated. "Use of public office" is avoided by the employee or official publicly disclosing the conflict and disqualifying himself/herself from official action in the matter, as provided in The Philadelphia Code Section 20-608.

27. NORTHERN IRELAND, IRAN or SUDAN.

Section 17-104(4)(a) and (b) of The Philadelphia Code prohibits the City from accepting bids from companies that do business in Northern Ireland, Iran and Sudan unless, in the instance of Northern Ireland, that business has implemented the fair employment principles embodied in the MacBride Principles or in the instance of Iran or Sudan, there exists a federal override or the business is excluded from disqualification as described in the Sudan

Accountability and Divestment Act of 2007. In furtherance of this ordinance, bidder makes the following certification and representations:

a. In accordance with Section 17-104 of the Philadelphia Code, bidder by execution of its bid certifies and represents that (i) bidder (including any parent company, subsidiary, exclusive distributor, or company affiliated with Bidder) does not have, and will not have at any time during the term of any Contract resulting from this bid (including any extensions thereof), any investments, licenses, franchises, management agreements or operations in Northern Ireland, Iran and Sudan and (ii) no product to be provided to the City under any resulting Contract will originate in Northern Ireland, Iran or Sudan unless, in the instance of Northern Ireland, Bidder has implemented the fair employment principles embodied in the MacBride Principles or in the instance of Iran or Sudan, there exists a federal override or the Bidder is excluded from disqualification as described in the Sudan Accountability and Divestment Act of 2007. In addition to any other remedies reserved under this Bid and Contract, any false certification by Bidder is subject to the penalties stated in Section 17-104 (c) (.3) which include relinquishment of any Bid Security, termination of the Contract and ineligibility for future bids

28. DISCLOSURES: SLAVERY ERA RECORDS, FEMALE EXECUTIVES and SOLE SOURCE CONTRACTS.

a. In accordance with Philadelphia Code Section 17-104 (2), the successful bidder, after award of the Contract, will complete an affidavit certifying and representing that the bidder (including any parent company, subsidiary, exclusive distributor or company affiliated with bidder) has searched any and all records of the bidder or any predecessor business entity regarding records of investments or profits from slavery or slaveholder insurance policies during the slavery era. The names of any slaves or slaveholders described in those records must be disclosed in the affidavit.

   The bidder expressly understands and agrees that any false certification or representation in connection with this disclosure and/or any failure to comply with these requirements shall constitute a substantial breach of this Contract entitling the City to all rights and remedies provided in this Contract or otherwise available in law (including, but not limited to, Section 17-104 of The Philadelphia Code) or equity and the Contract will be deemed voidable. In addition, it is understood that false certification or representation is subject to prosecution under Title 18 Pa.C.S.A. Section 4904.

b. In accordance with Philadelphia Code Section 17-104 (3), bidder must provide the following information with its bid:

   (i) the current percentage of female executive officers in the company and the current percentage of females on the company's executive and full boards;

   (ii) the company's aspirational goals for the inclusion of females in executive positions and on the executive and full boards; and

   (iii) the intended efforts by the contractor to achieve the aspirational goals.

   This information should be submitted with the bid but the City reserves the right to allow bidder to submit this information at any time prior to award of a contract.

c. If this is a Sole Source Contract, bidder is subject to the disclosure requirements established under Chapter 17-1400 of The Philadelphia Code.

29. MINIMUM WAGE & BENEFITS AND PREVAILING WAGE.

a. If this bid is for the furnishing of services, except where services are incidental to the delivery of supplies or equipment, it is subject to Chapter 17-1300 of The Philadelphia Code and Mayoral Executive Order 03-14 which establish minimum benefits (health benefits and sick leave) and wages for employees. If Contractor and Contractor's first tier subcontractor(s) furnishing services to the City meet the definition of "Employer," as set forth in Philadelphia Code Sections 17-1302(5) and 17-1303, each shall comply with the minimum wage and benefits provisions established by these laws: from May 20, 2014 through December 31, 2014, the minimum wage shall be $10.88 per hour; on January 1, 2015, the minimum wage shall be $12.00 per hour, which wage amount shall be adjusted annually thereafter, by the CPI Multiplier.* Contractor and its first tier subcontractor(s) shall notify each affected employee what wages are required to be paid. Accordingly, Contractor by submission of its Bid, acknowledges and certifies its compliance with Chapter 17-1300 and Executive Order 03-14 and shall also require its first tier subcontractors to likewise certify and acknowledge their compliance. Contractor shall promptly provide to the City, at its request, all documents and information verifying its compliance and its first tier subcontractor(s)' compliance with these laws. Any request for a partial or total waiver of these requirements must be based on specific stipulated reasons elaborated in Philadelphia Code Section 17-1304 and should be directed to the attention of the Office of Labor Standards within the City's Managing Director's Office (MDO). Failure to comply with these provisions absent an approved waiver or partial waiver, is an event of default under the Contract and shall also subject Contractor and its first tier subcontractor(s) to the enforcement provisions in Philadelphia Code Section 17-1312.

b. The following services require the payment of prevailing wages and submission of certified payroll records under Philadelphia Code Section 17-107 for compensation that exceeds $200,000.: landscaping; building care and maintenance; custodial/janitorial housekeeping; security guard service; demolition; snow removal; stucco; roof capping; furniture moving; locking systems and repairs; mechanical/HVAC maintenance and repairs; elevators, escalators, and electrical maintenance and repair, and subcontracts of all or a portion of such contracts. In addition, building service contracts for compensation exceeding $100,000. are also subject to Section 17-107.

*The CPI Multiplier shall be calculated by the Director of Finance for bids issued on or after January 1 of each year by dividing the most recently published Consumer Price Index for all Urban Consumers (CPI – U) All Items Index, Philadelphia, Pennsylvania, as of January of such year, by the most recently published CPI – U as of January 1, 2015.

30. PROTECTION OF DISPLACED CONTRACT WORKERS.
If this bid is for the furnishing of the following services, Security, Janitorial, Building Maintenance, Food and Beverage, Hotel or Non-Professional Health Care Services, then this bid is subject to the "Protection of Displaced Contract Workers" Law, Chapter 9-2300 of the Philadelphia Code. The successful Bidder, if it is a Successor Contractor is required, among other things, to retain certain service employees of the Predecessor Contractor for a ninety day period.

31. EQUAL BENEFITS.
If this is a Service Contract, as defined in Philadelphia Code Section 17-1901(4), for an amount in excess of $250,000, Contractor shall, for employees providing services under the Service Contract who reside in the City or employees who are non-residents subject to City wage tax under Philadelphia Code Section 19-502(b), extend the same employment benefits the Contractor extends to spouses of its employees to life partners of such employees. By submission of its Bid, Contractor so acknowledges and certifies its compliance with Chapter 17-1900 of the Philadelphia Code and shall notify its employees of the employment benefits available to life partners pursuant to Chapter 17-1900. Following the award of a contract subject to Chapter 17-1900 and prior to execution of the contract by the City, Contractor shall certify that its employees have received the required notification of the employment benefits available to life partners and that such employment benefits will actually be available, or that the Contractor does not provide employment benefits to the spouses of married employees.

Contractor's failure to comply with the provisions of Chapter 17-1900 or any discrimination or retaliation by the Contractor against any employee on account of having claimed a violation of Chapter 17-1900 shall be a material breach the Service Contract.

32. **Protected Health Information.**

(a) The City of Philadelphia is a "Covered Entity" as defined in the regulations issued pursuant to the federal Health Insurance Portability and Accountability Act of 1996 ("HIPAA"). The City's business activities include both (1) functions which make the City a Covered Entity, and, therefore, subject to HIPAA, and (2) functions that are not subject to HIPAA. In accordance with 45 CFR §164.105(a)(2)(iii)(D), the City has designated certain departments and units of the City as health care components that must comply with HIPAA ("Covered Components"). The Covered Components of the City as of August 1, 2013 include: Ambulatory Health Services, a unit of the Philadelphia Department of Public Health ("PDPH"); the Office of Behavioral Health and Intellectual Disability Services; the Philadelphia Nursing Home (a unit of PDPH); the Benefits Administration Unit of the Office of Human Resources; Emergency Medical Services (a unit of the Philadelphia Fire Department); and the Philadelphia Public Health Laboratory (a unit of PDPH). This list is subject to change, and any department or unit of the City that the City in the future determines to be a Covered Component under HIPAA shall be deemed to be a Covered Component for purposes of this Paragraph 32.

(b) To the extent (1) this contract is awarded by the City for or on behalf of a Covered Component and/or requires the performance of services that will be delivered to or used by a Covered Component (whether or not the City department or unit through which the City entered the contract is a Covered Component), and (2) Contractor is a "Business Associate" of the City, as defined in 45 CFR §160.103, Contractor shall comply with the City's Terms and Conditions Relating to Protected Health Information ("City PHI Terms") posted on the City's website (at http://mbec.phila.gov/procurement/forms/Terms%20Relating%20To%20PHI.pdf). The City PHI Terms are hereby incorporated in this Paragraph 32 as if fully set forth herein.

SIGNING OF BIDS

This contract consists of the Invitation and Bid, all addenda issued thereto by the City, any surety bonds approved as to legal form by the Law Department, any Solicitation for Participation and Commitment Form, all warranties, insurance, exhibits and attachments reviewed and accepted by the City and the foregoing Terms and Conditions of Bidding and Contract (collectively, the "contract") and contains all the terms, conditions and requirements agreed upon by the parties. The terms "contract" and "agreement," whether capitalized or uncapitalized, shall have the foregoing meaning wherever they are used in the Invitation and Bid, addenda thereto, the Terms and Conditions of Bidding and Contract, and this page. No other contract or agreement, oral or otherwise, regarding the subject matter of the contract shall be deemed to exist or to bind any party hereto or to vary any of the terms contained in the contract.

This contract may not be changed, amended or renewed, in whole or in part, except by a written amendment signed by the parties, the form of which may be "Renewal Letter" or an "Add-On Letter" as issued by the Procurement Department. No waiver by the City of any breach or noncompliance by the undersigned with any provision of this contract shall relieve the undersigned of any of its obligations or representations made under this contract.

This contract and all disputes arising under this contract shall be governed, construed and decided in accordance with the laws of the Commonwealth of Pennsylvania. The parties agree that any lawsuit, action, claim or legal proceeding involving, directly or indirectly, any matter arising out of or related to this contract or the relationship created or evidenced thereby, shall be brought exclusively in the United States District Court for the Eastern District of Pennsylvania or the Court of Common Pleas of Philadelphia County. It is the express intent of the parties that jurisdiction over any lawsuit, action, claim, or legal proceeding shall lie exclusively in either of these two forums. The parties further agree not to raise any objection to any lawsuit, action, claim or legal proceeding which is brought in either of these two forums and the parties expressly consent to the jurisdiction and venue of these two forums. The parties further agree that service of original process in any such lawsuit, action, claim or legal proceeding may be duly affected by mailing a copy thereof, by certified mail, postage prepaid to the addresses specified in the Invitation and Bid and/or this page.

NOTE: ANY BID THAT IS NOT EXECUTED IN ACCORDANCE WITH THE INSTRUCTIONS PROVIDED BELOW OR THAT DOES NOT INCLUDE STREET ADDRESS, CITY, STATE AND PHONE NUMBER, MAY, IN THE SOLE DISCRETION OF THE PROCUREMENT COMMISSIONER, BE REJECTED.

SIGNING OF BIDS:
If the bidder is an INDIVIDUAL or a PARTNERSHIP, or if the bid does not exceed $32,000, date and sign the bid here, with the original signatures, in ink.

This _____day of_____20

(Signature of Owner, Partner)	**(Type or Print Name and Title)**
(Business Name of Bidder)	
(Address, including Zip Code)	**(Telephone Number, including Area Code)**

If the bidder is a CORPORATION, date and sign the bid here with original signatures, in ink, by (a) President or Vice President of the Corporation AND (b) Secretary, Assistant Secretary, Treasurer or Assistant Treasurer of the Corporation; and (c) affix the seal of the Corporation. If the form is <u>not</u> signed by the President or a Vice President and Secretary, Assistant Secretary, Treasurer or Assistant Treasurer, attach a duly certified corporate resolution authorizing the person signing in place of such officers to execute this bid for the corporation.

This_____day of_____20

CORPORATE SEAL

	(Corporate or Business Name of Bidder)
(Address, including Zip Code)	**(Telephone Number, including Area Code)**
(Signature of President or Vice President)	**(Signature of Secy., Asst. Secy., Treas. or Asst. Treas.)**
(Type or Print Name and Title)	**(Type or Print Name and Title)**
APPROVED AS TO FORM	**CONTRACT EXECUTION**
(Assistant City Solicitor)	**(Procurement Commissioner)**