

Date: October 4, 2018

Requisition No.: 175543

**PURCHASING DEPARTMENT
101 EAST 11TH STREET
CITY HALL
SUITE G13
CHATTANOOGA, TENNESSEE
37402**

Request for Bid (RFB) for the City of Chattanooga, Tennessee

*Proposals will be received at 101 East 11th Street, Suite G13,
Chattanooga, TN 37402 until 2:00 P.M., EST. on October 18, 2018*

Requisition / Bid No.: R175543 / 305216

Ordering Dept.: Waste Resource Division, Public Works

Buyer & E-mail: Mark McKeel mmckeel@chattanooga.gov

Items Being Purchased: Odor Control Filter Media Services

*****REQUEST FOR BIDS MUST BE RECEIVED*****

2:00 P.M., EST on October 18, 2018

The City of Chattanooga reserves the right to reject any and/or all proposals, waive any informality in the proposals received, and to accept any proposal which in its opinion may be for the best interest of the City.

The City of Chattanooga will be non-discriminatory in the purchase of all goods and services on the basis of race, color or national origin.

The City's Standard Terms and Conditions may be found on website:

<http://www.chattanooga.gov/purchasing/standard-terms-and-conditions>

Note: ALL BIDS MUST BE SIGNED

All proposals received are subject to the terms and conditions contained herein and as listed in the above referenced website. The undersigned Offeror acknowledges having received, reviewed, and agrees to be bound to these terms and conditions, unless specific written exceptions are otherwise stated.

PLEASE PROVIDE THE FOLLOWING INFORMATION:

Company Name: _____

Mailing Address: _____

City & Zip Code: _____

Phone/Toll Free No.: _____

Fax No.: _____

E-Mail Address: _____

Contact Person: _____

Company Title: _____

Signature: _____

BID SOLICITATION



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

BID OPENING DATE AND TIME:

18-OCT-18 at 2:00 PM

BID NUMBER: 305216

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

BUYER:

PHONE #: (423) 643-7230

DELIVERY REQUIRED:

V
E
N
D
O
R
RFQ

M
A
I
L
T
O
City of Chattanooga
 101 East 11th Street, Suite G13
 Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
Requisition / Bid No.: 175543 / 305216 Ordering Dept.: Waste Resource Division, Public Works Department Buyer: Mark McKeel Phone No.: 423-643-7236 Items Being Purchased: Odor Control Filter Media Services ATTACHMENTS: 1. Specifications (8 pages) 2. Appendix A (1 page) 3. Table No. 1 (11 pages) 4. Affirmative Action Plan (2 pages) 5. Insurance Requirements (page 3 of specs; 1.6 Insurance) 6. Iran Divestment Act Disclosure (1 page) 7. No Contact / No Advocacy Notice (1 page) City of Chattanooga (COC) Terms and Conditions posted on Website http://www.chattanooga.gov/purchasing/standard-terms-and-conditions If you can't download call buyer for a copy. This Shall Be A Twelve (12) Month Blanket Contract To Supply and Installation of Odor Control Filter Media for Waste Resource Division. The Contract Term May Be Renewed For An Additional Two (2) Twelve (12) Month Terms Under The Same Terms And Conditions By Mutual Agreement. The City Of Chattanooga And The Contractor May Bilaterally Extend The Contract By Providing Written Confirmation Of Agreement By Both Parties At Least 30 Days Prior To The Contract's Current Expiration Date Into Any Successive Term As Provided Herein. QUANTITIES ARE ESTIMATES ONLY THE CITY OF CHATTANOOGA SHALL GUARANTEE NO MINIMUM OR MAXIMUM AMOUNT PURCHASED DURING THE LIFETIME OF THE CONTRACT. *** BID MUST BE RECEIVED NO LATER THAN *** *** 2:00 PM EST ON OCTOBER 18, 2018 *** PLEASE SUBMIT BIDS IN DUPLICATE INDICATING BID NUMBER (305216) ON OUTSIDE PACKAGING **** Vendor Shall Hold Prices Firm for First (1st) Year of Contract **** Price Escalation Clause: If as a result of a general change in prices or discounts, the Contractor has changed prices to all of its customers, the price under this contract may be adjusted accordingly. Contractor may be requested to show proof of alleged price changes prior to approval of any price adjustments. NOTE: ALL BIDS MUST BE SIGNED All bids received are subject to the terms and conditions contained herein and as listed in the above referenced website. The undersigned Bidder acknowledges having received, reviewed, and agrees to be bound to these terms and conditions, unless specific written exceptions are otherwise stated.					

BID SOLICITATION



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

BID OPENING DATE AND TIME:

23-OCT-18 at 2:00 PM

BID NUMBER: 305216

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

BUYER:

PHONE #: (423) 643-7230

DELIVERY REQUIRED:

V
E
N
D
O
R

RFQ

M
A
I
L
T
O

City of Chattanooga
 101 East 11th Street, Suite G13
 Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
<p>Any manufacturer;s names, trade names, brand names, or catalog numbers used in the specifications are for the purpose of describing and establishing general quality levels. Such references ar enot intended to be restrictive. Bids will be considered for any brand which meets or exceeds the quality of the specifications listed for any item.</p> <p>The City of Chattanooga reserves the right to reject any and/or all bids, waive any informalities in the bids received, and to accept any bid which in its opinion may be for the best interest of the city.</p> <p>The City of Chattanooga will be non-discriminatory in the purchase of all goods and services on the basis of race, color, or national origin.</p> <p>**** NOTE **** PLEASE PROVIDE US WITH THE FOLLOWING INFORMATION:</p> <p>Company Name_____</p> <p>Address_____</p> <p>Phone/Toll-Free No._____</p> <p>Fax No._____</p> <p>eMail Address_____</p> <p>Contact Person's Name_____</p> <p>Estimated Delivery_____</p> <p>Minority-Owned Business_____ Small Business_____ Veteran_____</p> <p>Minority Woman-Owned Business_____ Disabled Veteran_____</p> <p>Woman-Owned Business_____</p> <p>**** ALL ITEMS MUST BE QUOTED F.O.B. DESTINATION ****</p>					

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS

ALL BIDS MUST BE SIGNED – The undersigned offers the above quoted prices under the conditions contained herein.

The City is Exempt from all Federal and State Tax.
 Bids will be received at the above mentioned address.

COMPANY: _____

TERMS OF PAYMENT: _____

SIGNATURE: _____

TELEPHONE NUMBER: _____

NAME AND TITLE: _____

BID SOLICITATION



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

BID OPENING DATE AND TIME:

23-OCT-18 at 2:00 PM

BID NUMBER: 305216

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

BUYER:

PHONE #: (423) 643-7230

DELIVERY REQUIRED:

V
E
N
D
O
R

RFQ

M
A
I
L
T
O

City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
1	Carter Street CSO Carbon Change	1	Each	_____	_____
2	Carter Street CSO Prefilter/final Filter Change	1	Each	_____	_____
3	Citico Pump Station Carbon Change	1	Each	_____	_____
4	Citico Pump Station Prefilter/Final Filter Change	1	Each	_____	_____
5	Citico CSO Carbon Change	1	Each	_____	_____
6	19th Street CSO Carbon Charge	1	Each	_____	_____
7	Ross's Landing CSO Carbon Change	1	Each	_____	_____
8	Ross's Landing CSO Prefilter/Final Filter Change	1	Each	_____	_____
9	MBWWTP Influent Relief Pump Station Carbon Change	1	Each	_____	_____
10	Central Ave CSO Carbon Change	1	Each	_____	_____

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS

ALL BIDS MUST BE SIGNED – The undersigned offers the above quoted prices under the conditions contained herein.

The City is Exempt from all Federal and State Tax.
Bids will be received at the above mentioned address.

COMPANY: _____

TERMS OF PAYMENT: _____

SIGNATURE: _____

TELEPHONE NUMBER: _____

NAME AND TITLE: _____

BID SOLICITATION



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

BID OPENING DATE AND TIME:

23-OCT-18 at 2:00 PM

BID NUMBER: 305216

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

BUYER:

PHONE #: (423) 643-7230

DELIVERY REQUIRED:

V
E
N
D
O
R

RFQ

M
A
I
L
T
O

City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
11	Williams St CSO Carbon Change	1	Each	_____	_____
12	MLK CSO Carbon Change	1	Each	_____	_____
13	MBWWTP Headworks Carbon Charge	1	Each	_____	_____
14	Dupont Pump Station Carbon Change	1	Each	_____	_____
15	Dupont Pump Station Prefilter/Final Filter Change	1	Each	_____	_____
16	Highland Park Pump Station Carbon Change	1	Each	_____	_____
17	Highland Park Pump Station Prefilter Change	1	Each	_____	_____
18	South Chickamauga Creek Pump Station Wetwell Carbon Change	1	Each	_____	_____
19	South Chickamauga Creek Pump Station Wetwell Prefilter Change	1	Each	_____	_____
20	South Chickamauga Creek Pump Station Wetwell Final Filter Change	1	Each	_____	_____

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS

ALL BIDS MUST BE SIGNED – The undersigned offers the above quoted prices under the conditions contained herein.

The City is Exempt from all Federal and State Tax.
Bids will be received at the above mentioned address.

COMPANY: _____

TERMS OF PAYMENT: _____

SIGNATURE: _____

TELEPHONE NUMBER: _____

NAME AND TITLE: _____

BID SOLICITATION



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

BID OPENING DATE AND TIME:

23-OCT-18 at 2:00 PM

BID NUMBER: 305216

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

BUYER:

PHONE #: (423) 643-7230

DELIVERY REQUIRED:

V
E
N
D
O
R

RFQ

M
A
I
L
T
O

City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
21	Carter Street Laboratory Testing (bi-annually)	1	Each	_____	_____
22	Citico Pump Station Wetwell Laboratory Testing (quarterly)	1	Each	_____	_____
23	Citico Pump CSO Laboratory Testing (bi-annually)	2	Each	_____	_____
24	19th Street CSO Laboratory Testing (bi-annually)	2	Each	_____	_____
25	Ross's Landing CSO Laboratory Testing (bi-annually)	2	Each	_____	_____
26	MBWWTP Influent Relief Pump Station Laboratory Testing (bi-annually)	2	Each	_____	_____
27	Central Ave CSO Laboratory Testing (bi-annually)	2	Each	_____	_____
28	Williams St CSO Laboratory Testing (bi-annually)	2	Each	_____	_____
29	MLK CSO Laboratory Testing (bi-annually)	2	Each	_____	_____
30	MBWWTP Headworks Laboratory Testing (bi-annually)	2	Each	_____	_____

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS

ALL BIDS MUST BE SIGNED – The undersigned offers the above quoted prices under the conditions contained herein.

The City is Exempt from all Federal and State Tax.
Bids will be received at the above mentioned address.

COMPANY: _____

TERMS OF PAYMENT: _____

SIGNATURE: _____

TELEPHONE NUMBER: _____

NAME AND TITLE: _____

BID SOLICITATION



City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

BID OPENING DATE AND TIME:

23-OCT-18 at 2:00 PM

BID NUMBER: 305216

SEALED BIDS

Mail or submit two (2) signed copies of bid form to this office in the enclosed envelope. Retain one copy for your file.

BUYER:

PHONE #: (423) 643-7230
DELIVERY REQUIRED:

V
E
N
D
O
R

RFQ

M
A
I
L
T
O

City of Chattanooga
101 East 11th Street, Suite G13
Chattanooga, TN 37402

Item	Class-Item	Quantity	Unit	Unit Price	Total
31	MBWWTP Primary System Laboratory Testing (bi-annually)	2	Each	_____	_____
32	Dupont Pump Station Laboratory Testing (bi-annually)	2	Each	_____	_____
33	Warner Park CSO Laboratory Testing (bi-annually)	2	Each	_____	_____
34	Highland Park Pump Station Laboratory Testing (bi-annually)	2	Each	_____	_____
35	MBWWTP Centrifuge System Carbon Change	1	Each	_____	_____
36	Warner Park CSO Carbon Change	1	Each	_____	_____
37	Tub Scrubber Carbon Change	1	Each	_____	_____

NOTE: ALL BIDS RECEIVED ARE SUBJECT TO THE TERMS AND CONDITIONS

ALL BIDS MUST BE SIGNED – The undersigned offers the above quoted prices under the conditions contained herein.

The City is Exempt from all Federal and State Tax.
Bids will be received at the above mentioned address.

COMPANY: _____

TERMS OF PAYMENT: _____

SIGNATURE: _____

TELEPHONE NUMBER: _____

NAME AND TITLE: _____

**SPECIFICATIONS
FOR BLANKET CONTRACT
SUPPLY AND INSTALLATION OF
ODOR CONTROL FILTER MEDIA
VARIOUS PUMP STATIONS AND COMBINED SEWER OVERFLOWS (CSO'S)
INTERCEPTOR SEWER SYSTEM
CHATTANOOGA, TENNESSEE
August 2018**

PART I - GENERAL

1.1 SCOPE OF WORK

1.1.1 General

These specifications cover the supply, delivery, and installation of odor control filter media and related technical services described herein.

1.1.2 Location

The products and services described in these specifications shall be delivered to, and installed at, the location of the pump station, CSO facility, or the treatment plant within the City of Chattanooga's Interceptor Sewer System.

The odor control units may be inspected by contacting the Pump Station Operations Supervisor, Moccasin Bend Wastewater Treatment Plant, 455 Moccasin Bend Road, Chattanooga, Tennessee, 37405, (423) 643-7423. All prospective bidders are highly encouraged to inspect all sites to satisfy themselves as to the necessary equipment, labor, accessibility, and other requirements to fulfill the obligations of this contract.

No exceptions will be made for bidder's unfamiliarity with all sites and with the requirements needed to fulfill the obligations of this contract.

1.1.3 Description of Odor Control System

Each odor control unit covered by these specifications is described on Table 1 (bid form). These units are located throughout the Chattanooga Interceptor Sewer System and at the Moccasin Bend Wastewater Treatment Plant. In general, these units consist of single-bed or dual-bed carbon vessels and associated pre-filters and final filters. Additionally, there are approximately thirteen (13) portable Tub Scrubbers at various locations, each containing 225 lbs. carbon media.

1.2 LENGTH OF CONTRACT

The length of Contract for the products and services specified herein shall be for a period of one (1) year beginning on the date of issuance of a purchase order by the City of Chattanooga.

The City shall have the option of extending the contract for two (2) additional one-year periods.

1.3 ESTIMATED QUANTITIES OF PRODUCT AND FREQUENCY OF CHANGES

Table 1 summarizes the quantities of required product(s) currently in use, the time interval for which sampling should take place, and the estimated number and frequency of changes per year at each station. These figures may vary in accordance with the quantity of odor pollutants removed at the station. **Please note that the number of changes of odor control product and the locations of those changes will be completely at the discretion of the City, and will be dependent on sufficient budgeted funds, even if sampling indicates changes are needed.**

1.4 SUBMITTALS

1.4.1 Bid Bond

Not Required.

1.4.2 Performance Bond

None Required.

1.4.3 References and Experience

A. References

1. The Contractor shall submit a list of three (3) customers for whom the Contractor has provided the supply, delivery, installation, and other technical services of odor control filter media as described herein.

2. The list shall include the volume of media supplied at that location, as well as other services supplied, names, addresses, telephone numbers, and contact person who is knowledgeable of the media and services provided.

B. Contractor/Manufacturer Experience

The Contractor shall submit a brief company history of provision of odor control filter media and related technical services.

1.4.4 Other Required Submittals

The following additional information shall be submitted with all bids:

1. A copy of the current Material Safety Data Sheet (MSDS) for the products proposed.
2. Copies of shipping labels and any other labels which appear on the containers of each of the products proposed.
3. The Product Information Sheet for each of the products proposed. Information shall include adequate information to indicate that the products, impregnated carbon and filters, meet or exceed the minimum specifications.
4. Certificate of Insurance in the amount required in paragraph 1.6 below.
5. Copy of current State of Tennessee Contractors License.

FAILURE TO PROVIDE THESE SUBMITTALS AT THE TIME OF THE BID WILL RESULT IN THE DISQUALIFICATION OF THE BID.

1.5 EVALUATION OF BID

In order to properly evaluate the bids for the products and services specified herein, all price information must be completed in Table No. 1 (total of eleven (11) pages).

The City of Chattanooga reserves the right to reject any and /or all bids, to waive any information in Bids received, and to accept any Bid which in its opinion may be in the best interest of the City.

1.6 INSURANCE

The Contractor shall maintain and provide proof throughout the length of the Contract of adequate insurance coverage to protect and hold harmless the City of Chattanooga from any and all claims that might result from personal injury, property damage, or other conditions that might result from supplying the products and services covered by the specifications. The minimum amount shall be \$2,000,000.

1.7 TERMINATION OF CONTRACT

The contract may be terminated in the event Contractor:

- A. Fails to initiate services or provide products on the date(s) specified or otherwise agreed to;
- B. Fails to provide all of the required documentation for his personnel, insurance, and/or any other documentation required by these specifications at the specified times;
- C. After having begun services or supply of products, abandons them for any reason;
- D. Suspends or refuses to continue services or the supply of products; or
- E. Defaults in any manner in the performance under the terms of the contract for a period of thirty (30) days (unless the Contractor is prevented from continuing for reasons beyond its control);
- F. Fails to perform work in a satisfactory manner;
- G. Fails to correct any unsatisfactory work.

The City of Chattanooga shall have the right to terminate the contract immediately upon the written notification by the City for the reasons listed above and the City shall complete the contract or have the services completed or products supplied by another vendor in any reasonable manner at the Contractor's expense.

PART 2 - PRODUCTS AND SERVICES

2.1 POTASSIUM HYDROXIDE (KOH) IMPREGNATED CARBON MEDIA

2.1.1 General

The odor removing carbon based media shall consist of manufactured porous pellets. Pellets shall be formed from a combination of high quality activated carbon, and other binders, suitably impregnated with caustic chemicals to enhance the capacity for removal of hydrogen sulfide (H₂S).

Impregnates shall be applied during pellet formation such that the impregnated is uniformly distributed throughout the pellet volume. Impregnates shall be potassium hydroxide (KOH).

The media shall be capable of adsorbing and removing odor causing compounds throughout the pellet volume.

2.1.2 Physical and Chemical Properties

The carbon based media shall have the following physical and chemical properties:

<i>KOH</i>	<i>10%</i>
<i>Shape</i>	<i>Pellet</i>
<i>Particle Size</i>	<i>4 mm X 6 mm</i>
<i>Bulk Density</i>	<i>30 to 34 lbs/ft³</i>
<i>Moisture (maximum)</i>	<i>10%</i>
<i>H₂O Capacity (minimum)</i>	<i>0.14 of H₂S/cc Carbon</i>
<i>Total Surface Area</i>	<i>1000-1200 m²/gm</i>
<i>Hardness Number</i>	<i>95 to 97</i>

The carbon based media supplied shall be CGL/CIP48 by Cameron Great Lakes, Inc. or approved equal.

2.1.3 APPLICATION

Carbon based media is used for the adsorption of malodorous organics, H₂S and other acidic gases such as HCl, SO₂, and other reactive gases typical in the treatment of wastewater.

2.2 PREFILTERS AND FINAL FILTERS

2.2.1 General

Depending on the type of system used, prefilters and/or final filters shall be required.

The prefilters shall be particulate type units. They shall collect atmospheric dust and larger particles preventing the clogging of perforated surfaces and pellet pores in following stages of the odor control system.

The final filters shall remove remaining contaminants, such as media dust and airborne contaminants.

2.2.2 Description of Pre-filters and Final Filters

The pre-filters utilized shall be rated by ASHRAE Standard 52.1 as 30% efficient high capacity pleated type particulate filter. See Table 1 for final filters efficiency ASHRAE rating for each location.

PART 3 - EXECUTION

3.1 SERVICES PROVIDED BY CONTRACTOR

3.1.1 Provision of Equipment to Facilitate Odor Control Media Replacement

The Contractor shall be responsible for providing all necessary equipment to facilitate access to, removal of, and replacement of, activated carbon media, including but not limited to, scaffolding, lifting devices, cranes, man-way removal, hatch or slab removal, grating removal, safety harnesses, confined space entry equipment, ventilation equipment, and all other equipment and tools. The Contractor shall coordinate with City representatives in determining appropriate access to each site with the necessary vehicles and/or equipment to perform the work.

3.1.2 Removal, Installation, and Disposal of Odor Control Media

The Contractor shall be responsible for the removal of all used media and filters. The Contractor shall be responsible for removing any build-up of excess dirt, dust, or other such wet or dry material that might be found in the odor control system as a result of its operation.

The Contractor shall be responsible for furnishing and installing the odor control filter media and filters of the quality and in the quantities as described herein.

All used filters and used odor control media will be disposed of by the Contractor. No debris, media, or filters shall be disposed of in any City of Chattanooga dumpsters or containers. The Contractor shall be responsible for acquiring all permits associated with disposal of the media material as well as the cost for these permits.

The Contractor shall be responsible for the cleanup of all dust and debris resulting from the removal, installation and disposal of the odor control media. All sites shall be cleaned of all equipment and materials used during the work and shall be left in a condition equal to or better than that at the beginning of the work.

All left over new media not installed shall be disposed of by the contractor.

See Table 1 for a description of pre-filters and final filters that shall be required.

3.1.3 Technical Services

The Contractor shall furnish the services of a laboratory to test the various types of odor control media on a regular basis. This testing indicates to City personnel the rate at which the KOH is being used and the rate at which the media is approaching the end of its useful life. The sampling and laboratory analysis intervals shall be as follows:

Citico Pump Station Wet Well	Quarterly
Tub Scrubbers	annually
All other sites	Bi-annually (every 6 months)

The Contractor shall have a laboratory measure the pH of the media sample, using ASTM Method D-3838-80 or approved comparable test method. The Contractor shall furnish sampling procedures and sample containers for each media bed in the vessel and/or in the tub scrubbers. City personnel will be responsible for collection and transportation (or shipment) of samples to the laboratory.

Upon receipt of laboratory results, Contractor shall prepare a written report listing each site, each media bed that was sampled and analyzed, the resulting pH measured, and the remaining life of the media based on the chart in Appendix A. The report shall be promptly submitted to the City.

Results of lab tests will be shared equally by the City and the Contractor.

Contractor's costs for the performance of the lab tests shall be indicated in the appropriate spaces on Table No. 1.

Please note that if laboratory tests indicate that a media bed has been exhausted (pH less than 7.2), the City may elect to suspend any further sampling and testing until media bed is scheduled for and receives replacement.

3.2 SERVICES SUPPLIED BY THE CITY

The City will provide reasonable and timely access to each location. It is expected that the services provided by the Contractor will be performed during the normal working hours of the City. Extensions of these working hours may be granted if it is mutually agreeable to both the Contractor and the City.

The City will inspect each installation in a timely manner each time after the media has been changed to ensure compliance with the specifications and minimize delays in payment.

3.3 SCHEDULING OF WORK

A review of the media test reports provided under Section 3.1.3 of these specifications will determine when the media is no longer viable or useful. The City will notify the Contractor as to which sites the media and/or the filters will be changed. Contractor will schedule a time within 7 days to perform the work. The work shall be completed within 14 days after notification by the City. Scheduling may be adjusted by mutual agreement of the City and Contractor.

3.4 INSPECTION

The Contractor shall notify the City once the media and prefilters are delivered to the site. The City will verify that quality and quantity of the prefilters and media are that which is specified.

The Contractor will notify the City once the new prefilters and media are installed. The City will inspect the work to verify that it has been installed properly and that all clean-up has been performed. The vessel must be open for the City of Chattanooga to inspect that the media is at the correct depth. The Contractor shall insure that a City of Chattanooga representative is onsite when the media installation is complete so that the unit can be inspected and placed into service ASAP. Any work not satisfactorily completed shall be corrected prior to processing of any pay request.

3.5 PAYMENT

Payment will be in accordance with the City's normal policies and procedures.

APPENDIX A
Carbon Media pH Related to Remaining Media Life

Carbon pH	Remaining Carbon Life (%)
10.5	100
10.4	97
10.3	94
10.2	91
10.1	88
10.0	85
9.9	82
9.8	79
9.7	76
9.6	73
9.5	70
9.4	67
9.3	64
9.2	61
9.1	58
9.0	55
8.9	52
8.8	49
8.7	46
8.6	43
8.5	40
8.4	37
8.3	34
8.2	31
8.1	28
8.0	25
7.9	22
7.8	19
7.7	16
7.6	13
7.5	10
7.4	7
7.3	4
7.2	1
7.1	0

TABLE NO. 1
BID EVALUATION FORM
ODOR CONTROL FILTER MEDIA
INTERCEPTOR SEWER SYSTEM
CITY OF CHATTANOOGA
PAGE 1 OF 11

IMPORTANT NOTE: Prices should be filled in for all units and all tasks listed below. However, the number of changes of odor control product and the locations of those changes will be completely at the discretion of the City, and will be dependent on sufficient budgeted funds, even if sampling indicates changes are needed.

LOCATION

Carter Street CSO (1 unit)

- A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds x 340 ft^3/bed x 34 lbs/ft^3 x _____ \$/lbs (installed) = \$_____/change

- B. Pre-filters and Final Filters

8 Pre-filters x _____ \$/pre-filter (installed) + 8 Final Filters X _____
\$/final filter (installed) = \$_____/change

- C. Total Cost/Change

_____ \$/beds 1 & 2 + _____ \$/pre-filters and final filters = \$_____/change

- D. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$_____/year

Pre-filters

8 - 24x24x2 30% ASHRAE

Final Filters

8- 24x24x4 65% ASHRAE

TABLE NO. 1 (continued)
BID EVALUATION FORM
ODOR CONTROL FILTER MEDIA
INTERCEPTOR SEWER SYSTEM
CITY OF CHATTANOOGA
PAGE 2 OF 11

LOCATION

Citico Pump Station Wetwell (1 unit)

A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds x 110 ft^3/bed x 34 lbs/ft^3 x _____ \$/lb (installed) = \$ _____/change

B. Pre-filters and Final Filters

30 Prefilters x _____ \$/prefilter (installed) + 30 Final Filters x _____
\$/final filter (installed) = \$ _____/change

C. Total Cost/Change

_____ \$/beds 1 & 2 + _____ \$/prefilters and final filters = \$ _____/change

D. Laboratory testing of carbon samples Quarterly

_____ \$ per test x 4 times per year = \$ _____/year

Pre-filters

30 - 12x24x2 30% ASHRAE

Final Filters

30 - 12x24x4 65% ASHRAE

TABLE NO. 1 (continued)
BID EVALUATION FORM
ODOR CONTROL FILTER MEDIA
INTERCEPTOR SEWER SYSTEM
CITY OF CHATTANOOGA
PAGE 3 OF 11

LOCATION

Citico CSO Facility (1 unit)

- A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds @ 24,000 *lbs/unit* = \$_____/change per unit

- B. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$_____/year

LOCATION

19th Street CSO Facility (1 unit)

- A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds @ 24,000 *lbs/unit* = \$_____/change per unit

- B. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$_____/year

TABLE NO. 1 (continued)
BID EVALUATION FORM
ODOR CONTROL FILTER MEDIA
INTERCEPTOR SEWER SYSTEM
CITY OF CHATTANOOGA
PAGE 4 OF 11

LOCATION

Ross's Landing CSO Facility (1 unit)

- A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds x 130 ft^3/bed x 34 lbs/ft^3 x _____ \$/lbs (installed) = \$_____/change

- B. Prefilters and Final Filters

24 Pre-filters x _____ \$/pre-filter (installed) + 24 Final Filters X _____
\$/final filter (installed) = \$_____/change

- C. Total Cost/Change

_____ \$/beds 1 & 2 + _____ \$/pre-filters and final filters = \$_____/change

- D. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$_____/year

Pre-filters

24 - 20x20x2 30% ASHRAE

Final Filters

24- 20x20x2 30% ASHRAE

TABLE NO. 1 (continued)
BID EVALUATION FORM
ODOR CONTROL FILTER MEDIA
INTERCEPTOR SEWER SYSTEM
CITY OF CHATTANOOGA
PAGE 5 OF 11

LOCATION

MBWWTP Influent Relief Pump Station (1 unit)

A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds @ 24,000 lbs/unit = \$ _____ /change per unit

B. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$ _____ /year

LOCATION

Central Avenue CSO Facility (4 units)

A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds @ 24,000 lbs/unit = \$ _____ /change per unit

B. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$ _____ /year

TABLE NO. 1 (continued)
BID EVALUATION FORM
ODOR CONTROL FILTER MEDIA
INTERCEPTOR SEWER SYSTEM
CITY OF CHATTANOOGA
PAGE 6 OF 11

LOCATION

Williams Street CSO Facility (1 unit)

- A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds @ 24,000 lbs/unit = \$ _____ /change per unit

- B. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$ _____ /year

LOCATION

ML King CSO Facility (1 unit)

- A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds @ 24,000 lbs/unit = \$ _____ /change per unit

- B. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$ _____ /year

TABLE NO. 1 (continued)
BID EVALUATION FORM
ODOR CONTROL FILTER MEDIA
INTERCEPTOR SEWER SYSTEM
CITY OF CHATTANOOGA
PAGE 7 OF 11

LOCATION

MBWWTP Headworks (2 units)

- A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds @ 24,000 *lbs/unit* = \$ _____ /change per unit

- B. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$ _____ /year

LOCATION

MBBWWTP Centrifuge System (1 unit)

- A. Bed 1 - Activated Carbon with KOH

1 Bed @ 12,000 *lbs/unit* = \$ _____ /change per unit

- B. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$ _____ /year

TABLE NO. 1 (continued)
 BID EVALUATION FORM
 ODOR CONTROL FILTER MEDIA
 INTERCEPTOR SEWER SYSTEM
 CITY OF CHATTANOOGA
 PAGE 8 OF 11

LOCATION

Dupont Pump Station

A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds x 25 ft^3/bed x 34 lbs/ft^3 x _____ \$/lbs (installed) = \$ _____ /change

B. Pre-filters

6 Prefilters x _____ \$/prefilter (installed) = \$ _____ /change

C. Final Filters

6 Final Filters x _____ \$/final filter (installed) = \$ _____ /change

D. Total Cost/Change

_____ \$/Bed 1 & 2 + _____ \$/pre-filters + _____ \$/final filters =
 \$ _____ /change

E. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$ _____ /year

Pre-filters

6 - 24x24x2 30% ASHRAE

Final Filters

6 - 24x24x5 95% ASHRAE

TABLE NO. 1 (continued)
BID EVALUATION FORM
ODOR CONTROL FILTER MEDIA
INTERCEPTOR SEWER SYSTEM
CITY OF CHATTANOOGA
PAGE 9 OF 11

LOCATION

Warner Park CSO

A. Bed 1 & 2 - Activated Carbon with KOH

1 Bed @ 20,000 lbs/unit = \$_____/change per unit

B. Laboratory testing of carbon samples (bi-annually)

_____ \$ per test x 2 times per year = \$_____/year

LOCATION

South Chickamauga Creek Pump Station Wetwell

A. Bed 1 & 2 - Activated Carbon with KOH

2 Beds x 56 ft³/bed x 34 lbs/ft³ x \$/lbs (installed) = \$_____/change

B. Prefilters

4 Pre-filters (12") x _____ \$/pre-filter (installed) = \$_____/change

12 Pre-filters (24") x _____ \$/pre-filter (installed) = \$_____/change

Total Pre-filters = \$_____/Change

C. Final Filters

4 Final Filters (12") x _____ \$/final filter (installed) = \$_____/change

12 Final Filters (24") x _____ \$/final filter (installed) = \$_____/change

Total Final Filters = \$_____/change

TABLE NO. 1 (continued)
BID EVALUATION FORM
ODOR CONTROL FILTER MEDIA
INTERCEPTOR SEWER SYSTEM
CITY OF CHATTANOOGA
PAGE 10 OF 11

Total Filters = \$_____/change

D. Total Cost/Change

_____ \$/beds 1 & 2 + _____ \$/pre-filters and final filters = \$_____/change

E. Laboratory testing of carbon samples Bi-annually

_____ \$ per test x 2 times per year = \$_____/year

Pre-filters

12 - 24x24x2 30% ASHRAE
 4 - 12X24X2 30% ASHRAE

Final Filters

12 - 24x24x5 95% ASHRAE
 4 - 12x24x5 95% ASHRAE

LOCATIONS – TUB SCRUBBERS

1. 19th Street Pump Station Control Room
2. Mountain Creek Pump Station Control Room
3. Friar Branch Pump Station Control Room
4. Citico Pump Station Control Room
5. Citico Pump Station Elevator Room
6. South Chickamauga Pump Station Control Room
7. 23rd Street Pump Station Control Room
8. MBWWTP E.Q. Pump Station
9. Thickened Sludge Pump Station Number 1
10. Thickened Sludge Pump Station Number 2

TABLE NO. 1 (continued)
BID EVALUATION FORM
ODOR CONTROL FILTER MEDIA
INTERCEPTOR SEWER SYSTEM
CITY OF CHATTANOOGA
PAGE 11 OF 11

- 11. Influent Bldg. Elevator Room
- 12. Plant Switch Yard Control Building
- 13. Influent Relief Pump Station

Description: Tub Scrubbers contain 225 lbs Activated Carbon with KOH

A. Total cost/change **each** tub scrubber = \$_____/change

B. Laboratory testing of carbon samples annually

_____ \$ per test x 1 times per year = \$_____/year

Affirmative Action Plan

The City of Chattanooga is an equal opportunity employer and during the performance of this Contract, the Contractor agrees to abide by the equal opportunity goals of the City of Chattanooga as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, or handicap. The Contractor will take affirmative action to ensure that applicants are employed, and the employees are treated during employment without regard to their race, color, religion, sex, national origin, or handicap. Such action shall include, but not be limited to, the following: employment, upgrading, demotion, or transfer, recruitment or recruitment advertising, layoff or termination, rates of pay, or other forms of compensation, and selection for training, including apprenticeship. The Contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provisions of this nondiscrimination clause.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, or handicap.
3. The Contractor will send to each labor union or representative of workers with which he/she has a collective bargaining agreement or other contract or understanding, a notice advising the said labor union or workers' representatives of the Contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.
4. In all construction contracts or subcontracts in excess of \$10,000 to be performed for the City of Chattanooga, any contractor and/or subcontractor is further required to file in duplicate within ten (10) days of being notified that it is the lowest responsible bidder, an affirmative action plan with the EEO Director of the City of Chattanooga. This plan shall state the Contractor's goals for minority and women utilization as a percentage of the work force on this project.
5. This Plan or any attachments thereto shall further provide a list of all employees annotated by job function, race, and sex who are expected to be utilized on this project. This plan or attachment thereto shall further describe the methods by which the Contractor or Subcontractor will utilize to make good faith efforts at providing employment opportunities for minorities and women.

During the term of this contract, the Contractor upon request of the City, will make available for inspection by the City of Chattanooga copies of payroll records, personnel documents and similar records or documents that may be used to verify the Contractor's compliance with these Equal Opportunity provisions.

6. The Contractor will include the portion of the sentence immediately preceding paragraph 1 and the provisions of paragraphs 1 through 6 in every subcontract so that such provisions will be requested of each subcontractor. The Contractor agrees to notify the City of Chattanooga of any subcontractor who refuses or fails to comply with these equal opportunity provisions. Any failure or refusal to comply with these provisions the Contractor and/or Subcontractor shall be a breach of this contract.

(Signature of Contractor)

(Title and Name of Construction Company)

(Date)

Chapter No. 817 (HB0261/SB0377). "Iran Divestment Act" enacted.

Vendor Disclosure and Acknowledgement

By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to § 12-12-106.

(SIGNED)

(PRINTED NAME)

(BUSINESS NAME)

(DATE)

For further information, please see website:

https://www.tn.gov/assets/entities/generalservices/cpo/attachments/List_of_persons_pursuant_to_Tenn._Code_Ann._12-12-106,_Iran_Divestment_Act-July.pdf

No Contact/No Advocacy

Notice Receipt

City of Chattanooga

Purchasing Division

For Submission with Sealed Bid Solicitation Responses:

_____ (Vendor Agent name), states that:

(1) He/She is the owner, partner, officer, representative, or agent of _____

_____ (Business name), the Submitter of the

attached sealed solicitation response to Solicitation # _____, and said

Business has taken notice, and will abide by the following No Contact and No Advocacy clauses:

NO CONTACT POLICY: After the posting of this solicitation, a potential submitter is prohibited from directly or indirectly contacting any City of Chattanooga representative concerning the subject matter of this solicitation, unless such contact is made with the Purchasing Division.

NO ADVOCATING POLICY: To ensure the integrity of the review and evaluation process, companies and/or individuals submitting sealed solicitation responses, as well as those persons and/or companies formally/informally representing such submitters, may not directly or indirectly lobby or advocate to any City of Chattanooga representative.

Any business entity and/or individual that does not comply with the No Contact and No Advocating policies may be subject to the rejection or disqualification of its solicitation response from consideration.

Submitter Signature:

Printed Name:

Title: _____

Date: _____