TO: All Bidders

FROM: City of Cambridge

DATE: April 12, 2022

RE: File No. 10235 Granular Activated Carbon Filter Media Exchange - Addendum No. 3

This addendum is comprised of:

- Submitted Questions and Answers
- Changes to Specifications (Attachment 1)

SUBMITTED QUESTIONS AND ANSWERS:

1. Q: Bid Extension - Due to the short bid turnaround period with bids needing to be submitted by April 7, 2022, would you consider a one-week extension to April 14, 2022, so we can properly prepare our bid for submission with our best pricing possible? Due to the size of this project and unique GAC media specifications, we could benefit from having an additional week to prepare our offering to our best abilities. This will also allow time to review the RSSCT data and verify the 16,000 bed volumes requirement can be met.

   A: Please see Addendum #1 for revised bid due date.

2. Q: Truck Safety Ordinance Regulations - This regulation requires side under-ride guards to be installed between the front and rear axles of the trailer and the dump trailers we would be utilizing is frameless, thus not having anything to mount these side guards to making it impossible to install. Can you please waive this requirement due to this reason? With regards to the convex mirrors and cross-over mirrors, Calgon Carbon utilizes a third-party truck hauling company for this service and cannot guarantee they are equipped with these items. Can you please waive this requirement as we cannot offer that guarantee?

   A: The following response is specific to the vendor who submitted the necessary pictures and documentation regarding the proposed vehicles in response to Addendum #1.
The Truck Safety Ordinance is waived in part for the tanker vehicle submitted as follows: The side guard requirement is waived for year one of the contract. The cross-over mirrors requirement is NOT waived.

In reviewing the hauler truck as a vehicle supplied via a third-party brokerage, we find that the vehicle is exempt from the requirements of the Truck Safety Ordinance. The bidder shall submit with their bid submission indication that the hauler vehicle is the result of a third party brokerage in order for this exemption to apply.

The determination whether to renew any contract resulting from this invitation to bid will be based in part on the vendor’s compliance and/or attempts to comply with the Truck Safety Ordinance during the course of year one of the contract.

3. **Q:** Page 6 Section 1.1.H - Can the utility supply the RSSCT results referred to in this section? The media supplier will need to review to ensure that the 16,000 bed volumes requirement can be met.

   **A:** Please see Attachment 1 for revisions to Bid Specifications.

4. **Q:** Vendor Registry - We completed the Vendor Registry form located under the Purchasing tab of the City of Cambridge website (link below) and added our description of commodities and the name of this bid, but we are not showing up on the registered vendor list for this bid

   **A:** The vendor registry form allows for vendors to be notified of bid opportunities when they become available and is not required to submit for individual bids. This is a public bid process, and the bid list on the purchasing webpage reflects only those vendors who were sent notices of bid availability.

5. **Q:** Page 17 Section 3.3.H - Does the utility have a specific conditioning plan prior to start-up that the media supplier can review? NSF/ANSI 61 evaluation uses an exposure volume equivalent to approximately 60 bed volumes of water, not including water used during the backwashing process itself.

   **A:** Paragraph 3.3A requires the Contractor to coordinate with the GAC media supplier to develop a media conditioning plan.

6. **Q:** Page 17 Section 3.3.H - Does the utility have limitations for filter-to-waste (i.e., discharge limit, size of waste tank, etc.)?

   **A:** The filter-to-waste (FTW) rate can be up to the design production/filtration rate of 4.7 gallons per minute per square foot of filtering area (GPM/SF). This translates to a waste rate (per filter) of approximately 3,300 gallons per minute (GPM).
7. **Q:** Page 17 Section 3.3.H. - What is the sampling plan for the filter effluent when measuring pH and arsenic?

**A:** It is anticipated that pH will be sampled and analyzed every 2 to 4 hours. Arsenic will be sampled every 12 hours. Analytical turn-around-time for arsenic is expected to be 24 to 36 hours.

**CHANGES TO SPECIFICATIONS (ATTACHMENT 1):**

Please see attached revisions to specifications.

All other details remain the same.

Elizabeth Unger  
Purchasing Agent  
Addendum No. 3
ATTACHMENT 1

Revisions to Specifications
REVISIONS TO TECHNICAL SPECIFICATIONS:

1. INSERT the following at the end of Paragraph 1.9 C 1:

There are two wash hose stations with 1-1/2-inch water supply connections on the filter operating floor level, located at approximately the midpoint of Filter No. 2 and Filter No. 5.

2. REPLACE Paragraph 2.1 C 2 with the following:

2. GAC shall be acid rinsed and pH stabilized before delivery to reduce the leachable metals and pH stabilized to reduce the elevated pH of new GAC. Alternatively, the Contractor can provide a media conditioning plan in accordance with Paragraph 3.3H such that the GAC effluent water quality requirements outlined in Table 1 below are achieved prior to putting each filter back into service.

3. REPLACE Table 1 of Paragraph 3.3 A with the following:

<table>
<thead>
<tr>
<th>Water Quality Parameter</th>
<th>Maximum Allowable Effluent Concentration</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arsenic (total)</td>
<td>&lt; 0.0025 mg/L</td>
<td>MassDEP MCL is 0.01 mg/L or 10 μg/L</td>
</tr>
<tr>
<td>pH</td>
<td>6.5 to 8.5 standard units</td>
<td></td>
</tr>
<tr>
<td>Turbidity</td>
<td>&lt; 0.3 NTU</td>
<td></td>
</tr>
<tr>
<td>PFAS6</td>
<td>non-detect (using detection limits no greater than 2 ng/L per compound)</td>
<td>PFAS6 is the sum of PFOA + PFOS + PFDA + PFNA + PFHxS + PFHpA</td>
</tr>
</tbody>
</table>