

EMERALD COAST UTILITIES  
AUTHORITY BID 2016 13  
GRANULAR ACTIVATED CARBON  
September 15, 2016

ADDENDUM NUMBER 3

This addendum forms a part of the Contract Documents and modifies the original Request for Proposals issued on August 18, 2016. This Addendum consists of eight (8) pages, including all attachments.

1. Proposal Form, Pages 38-41: Replace with the revised pages 38-41 attached.
2. The following questions were submitted in writing and the responses are binding:

*Question No. 1 from Amber Simonic (Calgon Carbon Corporation):*

*Pages 11-14 Sections 5.1-5.4 - Carbon Specs. The specs for each carbon listed are predominantly the same. Recommend that coal based carbon must be agglomerated bituminous coal based carbon. Recommend adding a TCN (trace capacity number) spec to the MTBE carbon, minimum 16 mg/cc. Recommend the F300 min iodine spec be 900. Recommend the F400 minimum iodine spec be 1000. Recommend the Centaur carbon have a catalytic property spec "Peroxide Number = 19, max".*

**Response from ECUA:**

**The specification will remain unchanged.**

*Question No. 2 from Amber Simonic (Calgon Carbon Corporation):*

*Page 14 Section 5.5 - Please specify what type of breakthrough data is acceptable (isotherm, RSSCT/ACT, full scale, pilot) for alternate products.*

**Response from ECUA:**

**Any type of breakthrough data is acceptable. ECUA, in consultation with ARCADIS, will determine whether or not the data is convincing. Please, note that isotherms are not breakthrough profiles and therefore not acceptable.**

*Question No. 3 from Amber Simonic (Calgon Carbon Corporation):*

*Page 14 Section 5.6.C - Request modification that water sampling be done at least 24 hours after the GAC is backwashed and placed into operation. Carbon may cause pH spike upon fresh installation and needs a period of acclimation.*

**Response from ECUA:**

**The specification will remain unchanged. It is essential that ECUA be aware of contamination leaching from the carbon as soon as possible. A minor variation such as a mild pH excursion will not be a reason to demand that the GAC be replaced.**

*Question No. 4 from Amber Simonic (Calgon Carbon Corporation):*

*Page16 Section 6-10: Please add - Vessel entry above the cone is required for the full vessel internal inspection. Inspection shall include non-destructive lining thickness tests to be taken with appropriate instrumentation at various points inside the vessel and include these thickness results in the vessel inspection report. Inspection should be completed by the manufacturer's direct employee who is suitably trained and certified for confined space vessel entry to conduct the vessel inspection. No subcontractors, sales personnel, or other persons not familiar with the equipment will be permitted to perform the vessel inspection.*

**Response from ECUA:**

**To Page 16 Section 6-10, add the following:**

**Vessel entry above the cone is required for the full vessel internal inspection. Inspection shall include non-destructive lining thickness tests to be taken with appropriate instrumentation at various points inside the vessel, and the results are to be included in the vessel inspection report. Inspection should be completed by the manufacturer's direct employee or a subcontractor who is suitably trained and certified for confined space vessel entry to conduct the vessel inspection. No subcontractors, sales personnel, or other persons not familiar with the equipment will be permitted to perform the vessel inspection.**

*Question No. 5 from Amber Simonic (Calgon Carbon Corporation):*

*Page17 Section 6.11.E. Delivery acceptable only in vendor owned trailers that are 100% dedicated to hauling potable grade carbon only.*

**Response from ECUA:**

**To Page17 Section 6.11.E. add the following:**

**Delivery is acceptable only in trailers that are 100% dedicated to hauling potable grade carbon or other food grade water treatment media.**

*Question No. 6 from Amber Simonic (Calgon Carbon Corporation):*

*Page17 Section 6.11.F. Owner must be responsible for some reasonable amount of handling of excess drainage water from standard exchange process.*

**Response from ECUA:**

**ECUA will make coordinate with local entities to provide an acceptable point of discharge for the excess drainage water, such as a stormwater or sanitary sewer system. It will be the contractor's responsibility to meet all local, state and federal guidelines for appropriate discharge of the water. Vendors are to remove particles of carbon from the waste stream using a 100 micron filter or equivalent removal process. A plan for disposal is to be submitted by the contractor and approved by ECUA prior to initiation of the carbon exchange.**

*Question No. 7 from Amber Simonic (Calgon Carbon Corporation):*

*Page Section 6.11.H. 1. The first option for carbon disposal should be thermal reactivation at a Vendor Owned and Operated reactivation facility. 2. If carbon is not acceptable for reactivation due to loading of compounds from the water, then additional disposal fees apply, but since disposal fees are directly related to contaminants on the spent carbon, and not under Vendor's control, they must be determined on a case by case basis. Reactivation of spent carbon should be included in the base price of the media. Additional disposal cost estimates should be separate line item on pricing proposal form.*

**Response from ECUA:**

**The specification will remain unchanged.**

*Question No. 8 from Amber Simonic (Calgon Carbon Corporation):*

*Page 17, Item F - please describe process by which vendor can dispose of excess water on-site during a carbon exchange*

**Response from ECUA:**

**See answer to Question 6 above.**

*Question No. 9 from Amber Simonic (Calgon Carbon Corporation):*

*Disposal - can you add a line item for disposal of carbon should it not be acceptable for reactivation?*

**Response from ECUA:**

**The specification will remain unchanged.**

*Question No. 10 from Amber Simonic (Calgon Carbon Corporation):*

*MtBE carbon testing - please clarify exactly what testing (i.e. RSSCT) is to be done and when it is to be done (i.e. immediately after award) and by whom (vendor's own lab or 3rd party independent lab) so that appropriate cost can be included. Will you add this as a line item to the pricing sheet? Will ECUA supply the MtBE contaminated water?*

**Response from ECUA:**

**Carbon to be used for treatment of MTBE will not be included in this contract and has been removed from the revised Proposal Form.**