

COMMONWEALTH OF VIRGINIA
COUNTY OF **H**ENRICO



DEPARTMENT OF FINANCE
Cecelia H. Stowe, CPPO, C.P.M.
Purchasing Director

May 24, 2018

ADDENDUM NO. 1

INVITATION FOR BID: #18-1617-3KMW

SUBJECT: Annual Contract for Supplemental Carbon

Gentlemen/Ladies:

Please make the following changes, corrections, additions or deletions to the above referenced Invitation for Bid:

This IFB and any addenda are available on the County of Henrico website at: <https://henrico.us/finance/divisions/purchasing/>. To receive an email copy of this document please contact wil203@henrico.us

The Invitation for Bid Due Date has been extended until 11:00 a.m., June 5, 2018.

Page 6, Item J. Specifications for Supplemental Carbon:

Delete the Glycerin Based Carbon Source Specification Table and replace with the following revised Glycerin Based Carbon Source Specification Table.

Glycerin Based Carbon Source Specification

Property	Units	Limits	Value	Test Protocol
Purity (remainder as water and minor constituents)	% Glycerin	Minimum	70	ASTM D7637 - 10
Debris/Trash/Particle Size	Inches	Maximum	3/16	Able to pass through 3/16" sieve/in-line strainer
Methanol Content	% w/w	Less Than	1	EN 14110
Specific Gravity @ 20°C		Minimum	1.15	ASTM D 891-00 or ASTM D 4052-02
		Maximum	1.30	
Viscosity	cP 20°C	Maximum	200	ASTM D 445
	cP 5°C	Maximum	800	
pH	su	Minimum	6	USEPA SW-846 9045D
		Maximum	11	
Flash Point	°C	Minimum	93	ASTM D 93
Fatty Acid Content	%w/w	Maximum	1	ASTM 5555-95
COD Concentration	mg/l	Minimum	920,000	ASTM D 1252 (dilution in water)
Sulfated Ash Content	%w/w	Maximum	9	AOCS ca 11-55
MONG	% MonG	Maximum	5	IUPAC 3.A.6

See attached "Questions and Answers."

Please acknowledge the receipt of Addendum No. 1 dated May 24, 2018 with your Bid Form when returning your bid package. If your Bid package has already been mailed, please return this addendum under separate cover referencing the IFB number, due date and time on the outside of the envelope. **Failure to acknowledge this addendum may result in your bid being declared non-responsive.** All other general terms, conditions and specifications shall remain the same.

Unless otherwise changed by an addendum, all other information will remain the same.

Very truly yours,

Cecelia H. Stowe, CPPO, C.P.M.
Purchasing Director

Kennedy Williams
Procurement Analyst I
804-501-5690
wil203@henrico.us

Signature

Printed Name

Company Name

Date

**IFB #18-1617-3KMW
Supplemental Carbon
Questions and Answers
May 24, 2018**

Q1. What is the current price Henrico County is paying for Supplemental Carbon?

A1. The County is currently paying \$0.1418 per pound for Supplemental Carbon.

Q2. How many years are covered in the approximate amount spent listed on page 2 of the solicitation?

A2. The approximate amount spent covers two years.

Q3. Could you provide the last 10 COAs of the current supplemental carbon source?

A3. The last 10 sample results on current product (COD – mg/L) were:

1.	4/11/2018	1,080,000
2.	4/2/2018	1,070,000
3.	3/7/2018	1,160,000
4.	3/2/2018	1,140,000
5.	12/20/2017	1,080,000
6.	12/11/2017	1,110,000
7.	11/22/2017	1,010,000
8.	10/27/2017	1,200,000
9.	10/16/2017	1,190,000
10.	10/12/2017	1,110,000

Q4. The limit specified for sulfated ash in the specification is a maximum of 100 mg/1000 ml or 100 mg/L. The density of highly concentrated glycerin based carbon sources is approximately 1.26 g/mL. Using this as a conversion factor, the carbon source cannot contain greater than 0.008% ash. We recommend that the County change the specification to “Ash” with units of “% w/w”, reference a method of AOCS Ca 11-55 and establish a maximum limit of 9%.

A4. Please refer to Addendum No. 1.

Q5. Should the viscosity specification read a maximum 200 cP @ 20 degrees Celsius and not a minimum of 200 cP degrees Celsius?

A5. Please refer to Addendum No 1.