

Vienna Utility Board
60th Street, Vienna, WV 26105
Regular Utility Board Session
Meeting location City of Vienna Council Chambers
609 29th Street, Vienna, WV 26105

AGENDA
January 21, 2022
1:00 PM

- I. Public Forum
- II. Call to Order / Pledge of Allegiance
- III. Roll Call
- IV. Report of Minutes
- V. Unfinished Business
 - A. Water Quality Testing
 - B. ARP Discussion
 - C. 5 – year Plan
 - D. 4705 8th Avenue Property – Discussion
 - E. Burgess & Niple – River Road Water Main – Discussion
 - F. Burgess & Niple – Water & Wastewater System Improvement Projects
 - G. Burgess & Niple – Dredging of Pond Run and Dry Ponds
- VI. New Business
 - A. Burgess & Niple – Composition of Review Committee for Completing the Stormwater Master Plan
 - B. Approval of Task Order 2021 – 04 - 45th Place Water Main Replacement
- VII. Manager’s Report
- VIII. Utility Board Comments

Next regular meeting: Friday February 18, 2022 @ 1:00 PM Location: City Council Chambers
@ 609 29th Street, Vienna, WV 26105



The Chemours Company
1007 Market Street
PO Box 2047
Wilmington, DE 19899

302-773-1000 t
chemours.com

January 17, 2022

Craig Metz
City of Vienna Public Works Director
210 60th Street
Vienna, WV 26105
e-mail: cm@vienna-wv.com

**City of Vienna - PFOA Analytical Results
December 2021 Monitoring**

Dear Mr. Metz:

The City of Vienna Public Water Service currently receives water from three well fields, a northern well field location (wells 11 through 14), a central well field location (wells 7 and 8), and a southern well field location (wells 9 and 10). Granular Activated Carbon (GAC) treatment systems were installed at the northern well field, central well field, and the southern well field to remove perfluorooctanoic acid (PFOA) from the well field water. The northern GAC system (identified as VPSD or VPSD1) became operational in August 2016 and utilizes two Calgon Model 10 units that contain two GAC carbon beds each (lead and lag bed). The southern GAC system (identified as VPSD2) became operational in October 2016 and utilizes two Calgon Model 10 units that contain two GAC beds each (lead and lag bed). The central GAC system (identified as VPSD3) became operational in October 2019 and utilizes one Calgon Model 10 unit that contain two GAC beds each (lead and lag bed).

Monthly monitoring of PFOA began at several points in the VPSD1, VPSD2, and VPSD3 GAC systems once the GAC systems were operational. Monitored points include the influent to the Model 10 units and the effluent from each of the two carbon beds. The influent and effluent samples are analyzed for PFOA and non-detect results are reported as less than the reporting limit.

The December 2021 monthly monitoring events for VPSD1, VPSD2, and VPSD3 were conducted on December 13, 2021. Attached are the results sheets for the above described monitoring of VPSD1, VPSD2, and VPSD3. Please contact me at (302) 773-1289 or Andrew.S.Hartten@chemours.com if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Andrew S. Hartten".

Andrew S. Hartten
Remediation Manager
Chemours Corporate Remediation Group

Attachments

cc: Yogesh Patel, WVDEP email: yogesh.p.patel@wv.gov
Meredith Vance, WVBHP email: Meredith.J.Vance@wv.gov
Randy Rapp, City of Vienna Mayor email: randy.rapp@Vienna-wv.com
File (509038) (electronic copy)

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS)

The Chemours Company FC, LLC Sample ID	Eurofins Sample ID	Collection Date/Time	Date Received At Eurofins	Analysis Date	Analyte	Result (ug/L)	Reporting Limit
GC1221-VPD1-BED1E-LAG	320-82947-1	12/13/21 09:25	12/15/21	12/29/21	PFOA	<0.010	0.010
GC1221-VPD1-BED1E-LAG-D	320-82947-2	12/13/21 09:25	12/15/21	12/29/21	PFOA	<0.010	0.010
GC1221-VPD1-BED2E-LEAD	320-82947-3	12/13/21 09:29	12/15/21	12/29/21	PFOA	0.11	0.010
GC1221-VPD1-BED1W-LAG	320-82947-4	12/13/21 09:27	12/15/21	12/29/21	PFOA	0.011	0.010
GC1221-VPD1-BED2W-LEAD	320-82947-5	12/13/21 09:31	12/15/21	12/29/21	PFOA	0.10	0.010
GC1221-VPD1-PT	320-82947-6	12/13/21 09:33	12/15/21	12/29/21	PFOA	0.14	0.010

DEFINITIONS:

ug/L = micrograms per liter (parts per billion).

ug/kg = micrograms per kilogram (parts per billion).

< = less than the stated value.

FOR SAMPLES ANALYZED IN DUPLICATE, THE RESULTS ARE CALCULATED ACCORDING TO THE FOLLOWING CRITERIA:

If both the sample and laboratory duplicate results are greater than or equal to 5X their RL and the relative percent difference (RPD) is less than or equal to 30, the average value is reported. If the RPD is greater than 30, the higher value is reported. If the sample or laboratory duplicate result is less than 5X their RL, and the absolute difference between the sample and laboratory duplicate is less than or equal to the sample RL, the average value is reported. If the absolute difference is greater than the sample RL, the higher value is reported. If the sample or the duplicate result is greater than or equal to their RL and the other is less than its RL, the higher value is reported. If the sample and duplicate results are both less than their RL, the lowest RL is reported. If the sample and duplicate results are both greater than their RL, the lowest RL is reported. If either the sample or duplicate results (but not both) are greater than their RL, the RL associated with the positive result is reported.

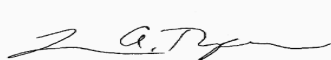
For Table 3 methods, if the sample and laboratory duplicate results are greater than their RL, the average is reported. If the sample or the duplicate result is greater than or equal to their RL and the other is less than its RL, the higher value is reported. If the sample and duplicate results are both less than their RL, the lowest RL is reported. If the sample and duplicate results are both greater than their RL, the lowest RL is reported. If either the sample or duplicate results (but not both) are greater than their RL, the RL associated with the positive result is reported.

MATRIX SPIKE RECOVERIES:

Eurofins Sample ID	Analyte	Percent Recovery	Percent Recovery Limits
320-82947-3 MS	PFOA	125	70 - 130
320-82947-3 MSD	PFOA	252 **	70 - 130

** Matrix spike recovery was outside control limits.

SUBMITTED BY:



Laura Turpen, Project Manager I

1/4/2022
Date

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS)

The Chemours Company FC, LLC Sample ID	Eurofins Sample ID	Collection Date/Time	Date Received At Eurofins	Analysis Date	Analyte	Result (ug/L)	Reporting Limit
GC1221-VPD2-BED1N-LAG	320-82948-1	12/13/21 08:15	12/15/21	12/28/21	PFOA	<0.010	0.010
GC1221-VPD2-BED1N-LAG-D	320-82948-2	12/13/21 08:15	12/15/21	12/28/21	PFOA	<0.010	0.010
GC1221-VPD2-BED2N-LEAD	320-82948-3	12/13/21 08:19	12/15/21	12/28/21	PFOA	<0.010	0.010
GC1221-VPD2-BED1S-LAG	320-82948-4	12/13/21 08:17	12/15/21	12/28/21	PFOA	<0.010	0.010
GC1221-VPD2-BED2S-LEAD	320-82948-5	12/13/21 08:21	12/15/21	12/28/21	PFOA	<0.010	0.010
GC1221-VPD2-PT	320-82948-6	12/13/21 08:23	12/15/21	12/28/21	PFOA	0.13	0.010

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FOR SAMPLES ANALYZED IN DUPLICATE, THE RESULTS ARE CALCULATED ACCORDING TO THE FOLLOWING CRITERIA:

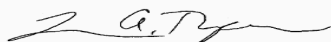
If both the sample and laboratory duplicate results are greater than or equal to 5X their RL and the relative percent difference (RPD) is less than or equal to 30, the average value is reported. If the RPD is greater than 30, the higher value is reported. If the sample or laboratory duplicate result is less than 5X their RL, and the absolute difference between the sample and laboratory duplicate is less than or equal to the sample RL, the average value is reported. If the absolute difference is greater than the sample RL, the higher value is reported. If the sample or the duplicate result is greater than or equal to their RL and the other is less than its RL, the higher value is reported. If the sample and duplicate results are both less than their RL, the lowest RL is reported. If the sample and duplicate results are both greater than their RL, the lowest RL is reported. If either the sample or duplicate results (but not both) are greater than their RL, the RL associated with the positive result is reported.

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MATRIX SPIKE RECOVERIES:

Eurofins Sample ID	Analyte	Percent Recovery	Percent Recovery Limits
320-82948-3 MS	PFOA	113	70 - 130
320-82948-3 MSD	PFOA	113	70 - 130

SUBMITTED BY:



Laura Turpen, Project Manager I

12/30/2021
Date

Method 537.1 : Perfluorinated Alkyl Acids (LC/MS)

The Chemours Company FC, LLC Sample ID	Eurofins Sample ID	Collection Date/Time	Date Received At Eurofins	Analysis Date	Analyte	Result (ug/L)	Reporting Limit
GC1221-VPD3-BED1-LEAD	320-82940-1	12/13/21 08:49	12/15/21	01/06/22	PFOA	0.035	0.010
GC1221-VPD3-BED2-LAG	320-82940-2	12/13/21 08:47	12/15/21	12/17/21	PFOA	<0.010	0.010
GC1221-VPD3-PT	320-82940-3	12/13/21 08:51	12/15/21	12/28/21	PFOA	0.25	0.010
GC1221-VPD3-PT-D	320-82940-4	12/13/21 08:51	12/15/21	12/28/21	PFOA	0.13	0.010

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FOR SAMPLES ANALYZED IN DUPLICATE, THE RESULTS ARE CALCULATED ACCORDING TO THE FOLLOWING CRITERIA:

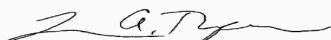
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MATRIX SPIKE RECOVERIES:

Eurofins Sample ID	Analyte	Percent Recovery	Percent Recovery Limits
320-82940-1 MS	PFOA	106	70 - 130
320-82940-1 MSD	PFOA	98	70 - 130

SUBMITTED BY:



Laura Turpen, Project Manager I

1/7/2022
Date

CITY OF VIENNA
FIVE-YEAR PLAN (DRAFT)
November 7, 2020

	2020	2021	2022	2023	2024	2025
1st Quarter		Report/Prelim. Design Pond Run & Greenmont Dry Dams Dredging	Bid Pond Run & McDonough Dry Dam Dredging			
		Bid 28th St. Storm Drainage Improvements				
		Begin PER for Sewer Rehabilitation Project				
		Valve & Hydrant Replacement Program Update comprehensive water system report Bid Spencers Landing wm extension Design for Rehab. of Well Nos. 9 & 10	Valve & Hydrant Replacement Program	Valve & Hydrant Replacement Program Design Rehab. Of Well Nos. 11 thru 14	Valve & Hydrant Replacement Program	Valve & Hydrant Replacement Program
2nd Quarter		Prepare Storm Water Planning Report	Design of Phase 2 Stormwater Impr. (Includes 41st St. Area near Vienna Elem. School?)		Design of Phase 3 Storm Imp	Construct Phase 3 Storm Imp
		Construct 28th St. Storm Drainage Improvements New NPDES MS4 General Permit Issued	Rehab 2 Storm Lift Stations (In-House Crews) Rehab. 3 Lift Stations (In-House Crews)	Rehab 2 Storm Lift Stations (In-House Crews) Rehab. 3 Lift Stations (In-House Crews)	Rehab 2 Storm Lift Stations (In-House Crews) Rehab. 3 Lift Stations (In-House crews)	Rehab2 Lift Stations (In-House crews)
		Design Phase 1 Sewer Rehabilitation Project	Construct Phase 1 Sewer Rehabilitation Project	Design Phase 2 Sewer Rehabilitation Project	Construct Phase 2 Sewer Rehab. Project	
		Sewer Rate Study Water Rate Study	Inspect Water Storage Tanks		Bid Rehab. of Well Nos. 11 and 12	Bid Rehab. of Well Nos. 13 and 14
		Bid Rehab. of Well Nos. 9 & 10		Bid Rehab. Of Well Nos. 11 thru 14		
		Design 27th Street Bridge	Construct 27th Street Bridge			Construct 27th Street Bridge
3rd Quarter	Annual Stormwater Report	Annual Stormwater Report Design of Phase 1 Stormwater Imp.	Annual Stormwater Report	Annual Stormwater Report	Annual Stormwater Report	Annual Stormwater Report
			Replace Pumps at 12th Street Lift Station			
		PER for Phase 1 Water System Imp. Construct wm to Spencers Landing Rehabilitate Well Nos. 9 & 10 Bid for Replacement Street Sweeper	Replacement Street Sweeper delivered	PER for Phase 2 Water System Impr. Construct Rehab. of Well Nos. 11 thru 14	Rehabilitate Well Nos. 11 and 12	Rehabilitate Well Nos. 13 and 14 Construct 17th Street Bridge
4th Quarter	Prelim. & Final Design 28th St. Drainage	Construct Phase 1 Stormwater Improvements Final Design Pond Run and McDonough Dry Dams Dredging	Construct Phase 2 Storm Improvements Construct Pond Run & McDonough Dry Dams Dredging			
				PER for 46th St. Sewer Ext.?	Design 46th St. Sewer Ext.?	Construct 46th St. Sewer Ext.?
	Construct CBPSD Master Meter Water System Risk & Resilience Assessment	Design Phase 1 Water Imp. (includes 28th St. Water Main?)	Construct Phase 1 Water Imp.	Design Phase 2 Water System Imp.	Construct Phase 2 Water Imp.	
	Design water ext. to Spencers Landing and wm connects @ Wells 7 and 8 GAC Plant Paving Projects	Paving Projects	Paving Projects	Paving Projects Inspection of 17th Street Bridge	Paving Projects Design 17th Street Bridge	Paving Projects

Unscheduled Projects

14th Street
Greenmont Hills storm drainage

51st. Street Storm Drainage Improvements
Other Bridge Replacements

ATTACHMENT C
REQUEST FOR ENGINEERING AND RELATED SERVICES
BY THE VIENNA UTILITY BOARD
TO
BURGESS & NIPLE, INC.

Task Order No. 2021-04
Final Design, Bidding and Construction Phase Services
for
45th Place Water Main Improvements

In accordance with Section III of the Agreement dated and effective as of April 16, 2021 the BOARD submitted a request to the Engineer for professional services. The following is the Engineer's submitted response.

General Description of Professional Services Requested

The BOARD requires the professional services of the Engineer to perform design, bidding, and construction phase services associated with the replacement of water mains along 45th Place extending between Grand Central Avenue and 3rd Avenue.

Response of Engineer Describing, in detail, the Scope of Professional Services to be Provided

This Task Order describes the Scope of Engineering Services necessary to prepare and provide contract documents for Work involving the construction of approximately 960 lineal feet of 6-inch water main along 45th Place from Grand Central Avenue and extending west to 3rd Avenue along with water service reconnections to 10 customers. The professional services further include assistance with bidding and awarding the construction contract, administering the construction contract, and providing a resident project representative during construction.

- I. Specifically, upon authorization by the BOARD, the Engineer will provide the following professional services:
- A. **Final Design Phase Services.** Prepare construction Contract Documents comprised of bidding forms, contract forms, technical specifications and drawings. It is understood that these documents will be prepared for all work to be performed under a single construction Contract. Tasks performed by Engineer will include:
1. Meet with BOARD staff in the field to review and observe proposed site layout and conditions based upon BOARD's current knowledge of the project area.
 2. Perform field surveying to identify approximate locations of known utilities including water mains, sanitary sewers, storm sewers, electric services (buried), gas mains and gas service lines as field marked by others. It is understood that the Engineer will rely upon the BOARD to contact utility companies to request field marking of their respective mains and service lines. It is further understood that the BOARD will provide the Engineer with the approximate depth of existing sanitary sewers and service laterals if any are present in the project area.
 3. Prepare drawings and construction cost estimate.
 4. Prepare bidding and contract forms utilizing standard documents provided by the BOARD.

5. Prepare technical specifications utilizing standard specifications provided by the Engineer.
6. Prepare forms and other required documents necessary to assist the BOARD with obtaining permits from the West Virginia Bureau for Public Health and the West Virginia Department of Transportation.

B. **Bidding Phase Services.** Provide assistance for bidding of the construction contract. Tasks performed by Engineer will include:

1. Providing hard copies of the bidding documents to the BOARD for its distribution to potential bidders and suppliers.
2. Responding to questions from potential bidders.
3. Preparing addenda as needed for the BOARD's distribution to registered plan holders.
4. Attending the bid opening, reviewing the bids, preparing a bid tabulation, and summarizing the results in a letter addressed to the BOARD. The review of bids by Engineer will include contacting a minimum of three references identified within the documents submitted by the low bidder.
5. Assisting the BOARD in awarding and executing the construction contract.

C. **Construction Phase Services.** Provide assistance to the BOARD during the construction phase of the project. These services shall commence no sooner than the date of issuance of the Contractor's "Notice to Proceed" and shall terminate as of the date of final completion as scheduled in the Contractor's "Notice to Proceed". It is understood that the construction contract completion time shall not exceed 45 calendar days. Such assistance during construction shall include the following:

1. Preparing agenda and conducting pre-construction conference.
2. Preparing agenda and conducting one job progress meeting.
3. Reviewing shop drawing submittals for conformance with the information given in the Contract Documents.
4. Maintaining a record of construction progress and quantities to be used in reviewing the Contractor's requests for payment.
5. Preparing change orders for BOARD's approval and execution in accordance with the contract documents.
6. Reviewing work of laboratories in the testing and inspection of materials and equipment to be used in construction and receive all reports by such laboratories on the materials tested for approval or rejection. The cost of such testing and inspection of materials by laboratories, if any, shall be paid by the BOARD in all cases where the specifications do not specifically require payment to be made by the Contractor.
7. Conducting an inspection when the project is substantially complete and a final inspection to determine if the project punch list has been completed and the Contractor has fulfilled its obligations so that the Engineer may approve final payment to the Contractor.

8. Preparing and processing construction contract close-out documentation.
9. Furnishing two sets of prints and one thumb drive containing Portable Document Format (PDF) files of the “record drawings” upon project completion.

D. **Resident Project Representative.** Provide resident project representative services for observation of Contractor’s work. The Resident Project Representative’s time on the work shall occur during normal working hours. Normal working hours are interpreted to be between 7:00 a.m. and 6:00 p.m., Monday through Friday, exclusive of holidays. These services shall commence when the Contractor starts construction work and shall terminate upon completion of the work. It is further understood that one resident project representative shall be provided for a maximum of 160 working hours at the project site during normal work days (excluding Saturdays, Sundays, and holidays). The duties and responsibilities of the Resident Project Representative are:

1. To observe the daily progress of the work on the project to evaluate compliance with the Contract Documents.
2. Exercise technical judgment in evaluating the quality and conformance of material and workmanship to the plans, specifications, and other Contract Documents.
3. Maintain records of construction and prepare daily progress reports.
4. Report Contractor failure to meet requirements of the Contract Documents. Changes from Contract Documents shall also be reported.
5. Suggest minor changes in plans or specifications to better suit field conditions.
6. Maintain a record of construction progress and quantities to be used in reviewing the Contractor’s requests for payment.
7. Nothing in this Task Order, with respect to the furnishing of the Resident Project Representative and the conduct of these duties, shall be construed to make Engineer responsible for, nor to have control of, construction means, methods, techniques, sequences, or procedures, or for safety precautions and programs in connection with the work; nor to make Engineer responsible for the Contractor's failure to carry out the work in accordance with the Contract Documents; nor to confer responsibility upon Engineer for any acts or omissions of the Contractor, Subcontractor, or others performing the work.

II. It is understood that the BOARD will perform the following tasks:

- A. Provide all available information including topographic maps and tax maps insofar as they are available and may be secured by the BOARD.
- B. Provide standard bidding forms, contract forms and general conditions typically utilized by the BOARD.
- C. Provide all legal services, land title research, land surveying, plat preparation, metes and bounds descriptions, and other services if determined necessary during the course of the project to assure title as required for all property, land and water rights, easements and rights-of-way, and assume responsibility for clearance of such titles.
- D. Request all known utility owners to field mark their existing subsurface mains and service lines.

- E. Identify the approximate location and depth of existing sanitary sewers and laterals services within the project area.
- F. Upon request, probe or pothole existing water mains to identify locations.
- G. Pay all fees associated with permits.
- H. Distribute Contract Documents, including addenda if issued, to potential bidders and suppliers.

If the BOARD requires assistance of the Engineer for any of the above identified tasks, such professional services will be provided upon request and in accordance with an Amendment to this Task Order.

Description of Form and Limits, if Any, of the Compensation to be Paid for the Services Described Above

The BOARD agrees to pay the Engineer as follows:

- A. A lump sum amount of \$32,100 as compensation for the professional engineering services authorized in accordance with paragraphs 1.A through 1.C. The estimated distribution of the lump sum amount follows:
 - Final Design Phase Services – \$13,500
 - Bidding Phase Services – \$6,600
 - Construction Phase Services – \$12,000
- B. For Resident Project Representative services authorized in accordance with paragraph 1.D, compensation will be made on an hourly rate basis plus reimbursable expenses for a not-to-exceed fee of \$17,700.

The fees shown above are contingent upon the BOARD authorizing the commencement of these professional services no later than April 30, 2022.

BURGESS & NIPLE, INC.

By: Craig D. Richards, PE
Its: Vice President

By: Lise E. Sibicky, PE
Its: Project Manager

In accordance with the terms of the Agreement, the professional services and form of compensation as described above are hereby authorized by:

VIENNA UTILITY BOARD

By: Randall C. Rapp
Its: Chairman

Dated: _____