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VIA E-MAIL

May 31, 2023

Mayor James Davy
Borough of Pennington
30 North Main Street
Pennington, NJ 08534

RE: Borough of Pennington Water System
Conceptual Design (Feasibility Study) for PFAS Treatment
VNHA #PEN-BOOFP23005

Dear Mr. Mayor,

As we discussed during our meeting to review the impacts of the new EPA regulations regarding Perfluorinated Chemicals (PFC) on the Borough's Water System, we are pleased to submit this proposal for the evaluation of treatment approaches.

Approach:

Task A. VNHA will investigate the availability of financial funding for Pennington Borough to engage VNHA to perform concept design for PFAS treatment.

Task B. VNHA will identify all effective treatment options (for present & future needs) addressing all contaminants exceeding standards, considering each individual well water treatment facility, as well as centralized well water treatment facility(s).

Task C. VNHA will provide a recommendation based on a cost comparison of all potable water service alternatives (present & future); that is, considering: well water treatment options, an interconnection with a public water utility (e.g. New Jersey American Water Company), and all water service provided by a public water utility (the Borough water system purchased).

Please refer to attached Table #1. for a more detailed description of each of the above tasks.

Since the amount of effort required to perform the above scope of services is difficult to define accurately, a budgetary cost estimate was prepared projecting the needed combination of services performed by a VNHA Project Team. A breakdown of the overall budgetary cost estimate is as follows:

Item	*Estimated Time (hrs.)*	*Estimated Cost*
Task A.	**26**	**$5,000**
Task B.	**261**	**$58,000**
Task C.		
Reimbursable Expenses:	**---**	**$1,500**
Total Estimated Cost:	**---**	**$64,500**

*VNHA services will be provided on a time and material basis, based on *VNHA's Standard Hourly Billing Rates*. The Borough will be invoiced for actual time spent by the individual(s) working on the project. Accordingly, the invoicing may be higher or lower than the estimated fee depending on the actual hours required to complete the task. Individual line-item fees and hours are for estimating purposes of the project scope only. While project invoicing for the individual line items may be higher or lower than the estimated numbers, depending on the actual hours and personnel required, the total fee/hours for the project scope (excluding additional services) will govern. No additional work or costs will be undertaken without the Borough's written approval.

On behalf of Van Note-Harvey Associates, we appreciate the opportunity to submit this proposal to assist the Borough in developing an approach for complying with the forthcoming EPA regulations on PFC's.

Sincerely,

Brandon M Fetzer

Brandon M. Fetzer, P.E.
Borough Engineer

NFN / BMF/ TES
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ec: Mr. Rick Smith, Borough of Pennington
Ms. Betty Sterling, Borough of Pennington
DEF / TOS / BMF / NFN / JMM

	TABLE #1.
ID	***Task Description***
A.	**Investigate the availability of financial funding for Pennington Borough to perform a concept design for PFAS treatment.**
1.	Establish/confirm the "project definition" and "scope of work" via conference call or meeting with Borough representative(s).
2.	Initially, a telephone discussion with NJDEP Infrastructure Fund representative and possibly other funding sources that may be identified; includes written documentation of discussion(s)/findings.
3.	Pre-application filing meeting with NJDEP Infrastructure Fund representative and/or other funding sources identified; includes written documentation of discussion(s)/findings.
4.	Review (via conference call) findings with Borough representative(s) and prepare & recommend next steps.
B.	**Identify all effective treatment options (for present & future needs) addressing all contaminants; considering each individual well water treatment facilities as well as centralized well water treatment facility(s).**
1	All water quality testing results (last 2 yrs.; daily/monthly reports) for each well and for centralized treatment.
	--- Obtain, review/analyze & summarize each chemical parameter (average daily, average monthly, average annual levels, plus minimum & maximum levels); also, well production (average daily/monthly/annual) for each well.
2	Identify all effective treatment options (for present & future needs)
	---Determine conceptual location of a centralized treatment facility and the required associated raw water collection system layout.
	---Technology & required pre-treatment for each well and for centralized treatment. Also, the following:
	-Associated waste disposal method for each
	-Associated water loss for each
	-Associated removal effectiveness (%) for each
C.	**Provide a recommendation based on a cost comparison of all potable water service alternatives (present & future); that is, considering: well water treatment options, an interconnection with a public water utility (e.g. New Jersey American Water Company), and all water service provided by a public water utility (the Borough water system purchased).**
1	Determine the estimated capital and operating cost for each individual well water treatment facility.
2	Determine the estimated capital and operating cost for a centralized well water treatment facility.
3	Determine the estimated capital and operating cost for an interconnection with a public water utility (e.g. New Jersey American water Company). *[update previous estimate of req'd additional facilities + cost of NJAW water.]*
4	Cost of NJAW Full Water Service (includes fire hydrant charges & in-ft charge).
5	Prepare a Cost Comparison of all potable water service alternatives (present & future).