



Brian Ardire

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April 16, 2019

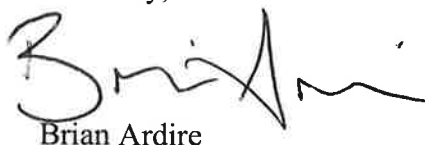
Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17105-3265

In Re: Application of Pennsylvania-American Water Company for approval (1) the transfer, by sale, of substantially all of the Borough of Turbotville's assets, properties and rights related to its wastewater collection and treatment system to Pennsylvania-American Water Company, and (2) the right of Pennsylvania-American Water Company to begin to offer or furnish wastewater service to the public in the Borough of Turbotville, Northumberland County, Pennsylvania Docket No. A-2018-3004189

Dear Secretary Chiavetta:

Please find attached for filing is Pennsylvania-American Water Company's responses to Data Requests Set 3 regarding the above referenced docket number.

Sincerely,



Brian Ardire

jrh

Enclosures

cc: C. McKinley

Tonya McCloskey/Christine Hoover, Office of Consumer Advocate

John Evans, Office of Small Business Advocate

Richard Kanaskie, PUC Bureau of Investigation and Enforcement

Bureau of Technical Utility Services
Water/Wastewater Division
Data Request Set 3

Application of Pennsylvania-American Water Company–Wastewater Division for approval of the transfer, by sale, of substantially all the Borough of Turbotville’s assets, properties and rights related to its wastewater collection and treatment system to Pennsylvania-American Water Company at Docket No. A-2018-3004189

- A-39. On March 21, 2019, PAWC-WD filed an amended response to Data Request A-10.b, that revised PAWC-WD’s anticipated 5-year total capital plan cost from \$2.5 Million to \$4.9 Million. Please provide a yearly breakdown of this anticipated total, by major plant category and provide a detailed description that explains the proposed process improvements and collection system improvements and justifies why these improvements are needed.

Response:

The DEP approved Act 537 Plan for Turbotville Borough has as the selected alternative a new sequencing batch reactor Wastewater Treatment Plant (WWTP). PAWC has prepared a special study updating the Borough’s Act 537 plan which, in addition to addressing the transfer in ownership, recommends an extended aeration WWTP alternative. This alternative meets the treatment plant objectives and has a lower cost than the proposed sequencing batch reactor plant.

The new WWTP extended aeration process will consist of a precast concrete system with modular multi-cells tanks. Rectangular chambers composed of a cast in place base, wall panels, and cap walkways provide more durable WWTP components compared to the currently installed steel tanks. The concrete cells will include an equalization tank, two aeration tanks, two clarifier tanks, and two sludge holding tanks.

A UV system consisting of three parallel enclosed UV reactors, each with a treatment capacity of 0.136 MGD, will be installed in a dedicated building. Three identical units will provide redundancy for the average monthly flow while also providing up to 0.408 MGD of capacity for peak flow events.

This WWTP alternative was selected by PAWC as the alternative that is able to provide safe, reliable, and adequate wastewater conveyance and treatment services for the Borough of Turbotville.

Bureau of Technical Utility Services
Water/Wastewater Division
Data Request Set 3

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A yearly breakdown of the 5 year capital plan is presented below:

Year After Closing	1	2	3	4	5
Capital Improvement					
General requirements	\$ 65,000	\$ 65,000	\$ 65,000		
Demolition of shed and site cleanup		\$ 48,750			
Erosion & sediment control	\$ 16,250				
Triplex influent pump station		\$ 162,500	\$ 162,500		
Extended aeration replacement WWTP	\$ 150,000	\$ 1,150,000	\$ 650,000		
Phosphorous removal system		\$ 16,250			
Sludge drying beds renovations		\$ 56,875			
Site work and yard piping		\$ 24,375	\$ 83,958	\$ 54,167	
Electrical incl. emergency generator		\$ 243,750	\$ 243,750		
Collection system study	\$ 39,600	\$ 39,600			
Collection system improvements	\$ -	\$ -	\$ 257,400	\$ 514,800	\$ 514,800
Manhole rehabilitation/replacement		\$ 132,000	\$ 132,000		
Subtotal	\$ 270,850	\$ 1,939,100	\$ 1,594,608	\$ 568,967	\$ 514,800
Grand Total					\$ 4,888,325

The estimate for collection system improvements is based on our due diligence assessment of the condition of the collection system and experience based on past acquisitions of similar systems. The final cost for collection system improvements will not be known until the collection system is evaluated which will occur post acquisition.

Responsible Witness: Michael Guntrum, P.E. Senior Project Engineer

VERIFICATION

I, MICHAEL J. GUNTRUM hereby state that the facts above set forth above are true and correct to the best of my knowledge, information and belief, and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements made herein are made subject to the penalties of 18 Pa. Cons. Stat. §4904 relating to unsworn falsification to authorities.


Michael J. Guntrum, P.E. Senior Project Engineer

Dated: _____

4/16/19