



Erin K. Fure  
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December 6, 2024

**PUBLIC VERSION**

**VIA ELECTRONIC FILING**

Ms. Rosemary Chiavetta, Secretary  
Commonwealth of Pennsylvania  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street  
Harrisburg, PA 17120

**In re: Application of Pennsylvania-American Water Company for  
Approval of the Right to Offer, Render, Furnish or Supply  
Wastewater Service to the Public in an Additional Portion of  
West Caln Township, Chester County, Pennsylvania**

Dear Secretary Chiavetta:

On behalf of Pennsylvania-American Water Company, I am e-filing an original copy of the above-referenced Application, together with payment in the amount of \$350 for the Commission's filing fee. A Certificate of Service is also attached. Please note that Exhibit B-2 is **CONFIDENTIAL** due to a detailed description of where the new facilities will be located. Due to this **CONFIDENTIAL** nature, this Exhibit will be filed on the PAPUC's SharePoint site.

Should you have any questions, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads "Erin K. Fure".

Erin K. Fure

Enclosures

cc: All Parties on the attached Certificate of Service (*via electronic mail*)  
James P. Kelly (*via electronic mail*)

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

<b>In re: Application of Pennsylvania-American Water Company for Approval of the Right to Offer, Render, Furnish or Supply Wastewater Service to the Public in An Additional Portion of West Caln Township, Chester County, Pennsylvania</b>	: : : : : : :	<b>Docket No. A-2024-</b>
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**CERTIFICATE OF SERVICE**

I hereby certify that I am this day serving the above-referenced Application upon the persons and in the manner indicated below, which service satisfies the requirements of 52 Pa. Code §1.54 (relating to service by a party).

**Service in the manner listed below addressed as follows on December 6, 2024**

Patrick Cicero, Consumer Advocate  
Office of Consumer Advocate  
555 Walnut Street  
5<sup>th</sup> Floor, Forum Place  
Harrisburg, PA 17101-1923  
*(via electronic mail)*

NazAarah Sabree, Small Business Advocate  
Office of Small Business Advocate  
555 Walnut Street  
1<sup>st</sup> Floor, Forum Place  
Harrisburg, PA 17101  
*(via electronic mail)*

Allison Kaster, Director  
Pennsylvania Public Utility Commission  
Bureau of Investigation and Enforcement  
400 North Street  
PO Box 3265  
Harrisburg, PA 17105  
*(via electronic mail)*

Respectfully Submitted,



Erin K. Fure, Esquire (PA ID #312245)  
Pennsylvania-American Water Company  
852 Wesley Drive  
Mechanicsburg, PA 17055  
Phone: (717) 550-1574  
Email: [erin.fure@amwater.com](mailto:erin.fure@amwater.com)

**Attorney for Pennsylvania-American  
Water Company**

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

<b>In re: Application of Pennsylvania-American Water Company for Approval of the Right to Offer, Render, Furnish or Supply Wastewater Service to the Public in an Additional Portion of West Caln Township, Chester County, Pennsylvania</b>	: : : : : :	<b>Docket No. A-2024-</b>
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**TO PENNSYLVANIA PUBLIC UTILITY COMMISSION:**

**I. INTRODUCTION**

1. Pennsylvania-American Water Company (“Pennsylvania-American”, “PAWC”, “Company”, or “Applicant”) hereby respectfully requests that the Pennsylvania Public Utility Commission (“Commission”) issue a Certificate of Public Convenience evidencing its approval under Section 1102(a)(1)(i) of the Public Utility Code, 66 Pa.C.S. § 1102(a)(1)(i), of Pennsylvania-American’s right to begin to offer, render, furnish and supply wastewater service in an additional portion of West Caln Township, Chester County, Pennsylvania.

2. The Application is being filed to extend wastewater service to the public in the proposed service territory in an additional portion of West Caln Township, Chester County, Pennsylvania.

3. The name and address of the Applicant is:

Pennsylvania-American Water Company  
852 Wesley Drive  
Mechanicsburg, PA 17055

4. The name and address of the Applicant’s attorney is:

Erin K. Fure, Esquire (PA ID #312245)  
Pennsylvania-American Water Company  
852 Wesley Drive  
Mechanicsburg, PA 17055

## II. DESCRIPTION OF THE APPLICANT

5. Pennsylvania-American is a public utility corporation organized and existing under the laws of the Commonwealth of Pennsylvania and is a wholly owned subsidiary of American Water Works Company, Inc. PAWC furnishes water and wastewater service in a certificated service territory encompassing portions of 37 counties and 417 municipalities across the Commonwealth. As of October 30, 2024, PAWC furnishes wastewater service to 98,632 residential, commercial, industrial, municipal, miscellaneous, and bulk customers in Pennsylvania. The total number of customers by class are as follows:

<b>Residential</b>	<b>90,666</b>
<b>Commercial</b>	<b>7,588</b>
<b>Industrial</b>	<b>70</b>
<b>Municipal</b>	<b>254</b>
<b>Miscellaneous</b>	<b>50</b>
<b>Bulk</b>	<b>1</b>
<b>Total</b>	<b>98,632</b>

In addition, PAWC furnishes water service to approximately 686,798 customers.

6. Attached hereto as Exhibit A is pertinent information with respect to the corporate history, authority, and service territory of Pennsylvania-American.

## III. THE PROPOSED ADDITIONAL SERVICE TERRITORY

7. As indicated at Paragraph 1 above, the proposed additional service territory is located at 101 Woodland Drive, Coatesville, West Caln Township, Chester County, Pennsylvania. Attached hereto as CONFIDENTIAL Exhibit B-1 is a map showing the

boundaries of the area and attached hereto as **Exhibit B-2** is a metes and bounds description of the area to be served (the “Applied For Service Territory”). The Applied For Service Territory will allow Pennsylvania-American to provide public wastewater to a structure (residential home) located at 101 Woodland Drive, Coatesville, Chester County, Pennsylvania (“Woodland Drive property”). The Applied for Service Territory consists of approximately .95 acres (Chester County Tax Parcel UPI 28-5-95.17). Please see Legal Description of the Applied for Service Territory attached as **Exhibit C**. Pennsylvania-American has been previously certificated to provide service in West Caln Township, Chester County under Docket Nos. A-230073F0007, A-2014-2430841, A-2015-2507969 and A-2020-3020178.<sup>1</sup> See, Application and Orders attached as **Exhibit D**.

8. Pennsylvania-American currently provides wastewater service to West Caln Township adjacent of the Applied for Service Territory,<sup>2</sup> and to the north of the Applied for Service Territory. The next closest sewer system to the Applied for Service Territory is Brandywine Municipal Authority, which is 4.2 miles away.

9. Currently, the Woodland Drive property is connected to an on-site septic system, which is failing. The septic system failed inspection and the land does not lend itself to have a

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<sup>1</sup> Please note, **Exhibit D**, includes *Application of Pennsylvania-American Water Company Under Section 1102(a) Of The Pennsylvania Public Utility Code, 66 Pa. C.S. § 1102(A), for Approval Of (1) The Transfer, By Sale, Of Substantially All Of Valley Township’s Assets, Properties, And Rights Related To Its Wastewater Collection And Conveyance System To Pennsylvania-American Water Company, And (2) The Rights Of Pennsylvania-American Water Company To Begin To Offer Or Furnish Wastewater Service To The Public In Valley Township, And Limited Portions Of East Fallowfield Township, Sadsbury Township, and West Caln Township*, Docket No. A-2020-3020178 (Order entered October 28, 2021). This docket does not include the appendices of the Application due to the sheer volume of the Application but does including the Order, Application (sans Appendices) and mapping information.

<sup>2</sup> See *Application of Pennsylvania-American Water Company for Approval of the Right to Furnish or Supply Wastewater Service to the Public in an Additional Portion of West Caln Township, Chester County, Pennsylvania (Ash Road and Old Wilmington Road)*, Docket No. A-2014-2430841 (Order entered November 13, 2014). See, Application and Order approving this territory at **Exhibit D**.

replacement on-site system installed. Please see the request from the property owner, Iliia Katsis, at **Exhibit E**.

10. If the Application is approved, the Woodland Drive property owner will be connected to Pennsylvania-American’s Coatesville Wastewater Treatment Facility (“Coatesville Facility”), which will receive the flow from the Woodland Drive property. The Coatesville Facility capacity is 7 million gallons a day. The current average daily flow is 4 million gallons a day.<sup>3</sup> The projected flow from the Woodland Drive property is 225 gallons per day. The Coatesville Facility will have more than adequate treatment and flow capacity to meet present and future service needs from the Woodland Drive property.

11. The Woodland Drive property will be connecting to an existing PAWC facility, which is a 6” Polyvinyl Chloride (“PVC”) force main that runs adjacent to the property on North Sandy Hill Road.

12. The facilities to be installed by Pennsylvania-American within the Applied for Service Territory will consist of 40’ of 1 ½” PVC, one valve box and one tap saddle. The estimated cost of the job is projected as follows:

<b>Quantity</b>	<b>Materials (including Appurtenances)</b>	<b>Cost</b>
1	40’ of 1 ½ inch PVC Pipe	\$120.00
1	Valve Box	\$120.00
1	Tap Saddle	\$125.00
	Paving	\$1600.00
	Installation	\$5,000
	Road Opening Permit	\$60.00
	<b>Total</b>	<b>\$7,025.00</b>

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<sup>3</sup> Please find the Chapter 94 Report for the Coatesville System attached as **Exhibit F**.

13. The total cost for installation of a wastewater PVC lateral is approximately \$7,025.00, which will be assumed by Pennsylvania-American. This amount includes excavating, labor, paving costs and a local permit that is needed to complete the project. It is reasonable for PAWC to cover the cost of this installation under Rule 7 of PAWC's Wastewater Tariff, which permits PAWC to deviate from its standard main extension requirements when it is prudent, reasonable, and in the public interest. In this case, once the septic system fails, the property is not suitable for a replacement septic system. Therefore, the property owner requires a public sewer connection in order to continue to have sewer service at her property. PAWC believes it is reasonable, prudent, and in the public interest to cover a portion of the installation costs to this residential property to ensure continued sewer service can occur.

14. The Woodland Drive property owner will not be required to contribute to the direct cost of installing the facilities. Pennsylvania-American will be responsible for the costs to install the laterals from the forcemain to the property line. The Woodland Drive property owner will be responsible for the costs to install the ejector pumps (to pump the sewage out of their lines) and the piping from the home to the property line. Furthermore, the Woodland Drive property owner will be entirely responsible for the abandonment of the septic system; Pennsylvania-American shall have no responsibility with regard to the abandonment of the septic system. No additional capital will be required by the Applicant for the purpose of financing the matters and things involved in this Application. The cost to service the requested territory will initially fund these costs with short-term debt that will be replaced by a combination of long-term debt and equity in the future.

15. Pennsylvania-American will not be required to obtain any easements to serve in the Applied for Service Territory due to the sewer being in the public road that fronts the corner

property. No inspections are needed but a road opening permit is required to complete this project.

16. To the best of the Applicant's knowledge, no corporation, partnership, or individual is currently furnishing or has corporate or franchise rights to furnish service similar to that to be rendered by Applicant in the Applied for Service Territory, and no competitive condition will be created.

17. Water service to this property is currently being provided by Pennsylvania-American.

18. The Company expects wastewater service to begin shortly after Commission approval of this Application.

#### **IV. FINANCIAL AND OTHER RELEVANT INFORMATION**

19. There is attached hereto, as **Exhibit G**, a balance sheet of the Company as of December 31, 2023.

20. There is attached hereto, as **Exhibit H**, a statement of income and retained earnings of the Company for the 12 months ending December 31, 2023.

21. Pennsylvania-American will charge its then existing Rate Zone 1 rates for service in the Applied For Service Territory as set forth in its Tariff. Current Rate Zone 1 are shown on **Exhibit I** and may be changed from time to time. Authorizing Pennsylvania-American to furnish service in the Applied For Service Territory will have no adverse effect upon the service furnished or the rates charged to its existing customers.

22. The estimated annual revenues and expenses of the Company in the Applied For Service Territory are set forth in **Exhibit J** attached hereto.

## V. PUBLIC INTEREST

23. It is in the public interest for the Company to provide wastewater service in the Applied For Service Territory because it is financially and technically capable of providing service. Furthermore, it will benefit the new customer who will experience enhanced customer service in several areas, such as, but not limited to, extended customer service and call center hours, customer information and education programs, and PAWC's customer assistance program. Furthermore, it is in the best interest of the public, including our customers, to have an old septic system removed and have this property connected to a public sewer because it decreases the potential of contamination. A letter can be found at **Exhibit K** from West Caln Township confirming that the extension is permitted and consistent with its comprehensive plans and/or zoning ordinances. The letters sent to Chester County can be found at **Exhibit L**<sup>4</sup> to verify that this extension is permitted and within the comprehensive plans of the County. An Application for Sewerage Facilities Planning Modules was sent to Pennsylvania Department of Environmental Protection (hereinafter "PADEP") and it was determined that the project does not meet the definition of a subdivision, and thus, no PADEP approval is required. Please see letter of waiver of a planning module submission from the PADEP marked as **Exhibit M**.

24. Upon approval of the Application, receipt of a Certificate of Public Convenience, and installation of the proposed facilities, the Company will provide wastewater service to the Woodland Drive property owner in the Applied For Service Territory under the Rules and Regulations of its Commission-approved tariff.

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<sup>4</sup> Please note, Pennsylvania-American has sent repeated letters to Chester County for approval of this plan in cooperation with *Landscapes 3*. PAWC will continue to request this letter from Chester County, but this extension is following Chester County's request that the proposed improvements are to address failing on-site sewage systems then the proposal is generally consistent with the goal for Connect, which supports the advancement of efficient, reliable, and innovative utility infrastructure systems that responsibly serve thriving communities.

**VI. RELIEF**

25. Together with the Order approving this Application, Pennsylvania-American requests that the Commission issue a Certificate of Public Convenience pursuant to Section 1102(a) of the Public Utility Code, 66 Pa.C.S. §1102(a), authorizing the Company to furnish wastewater service in a portion of West Caln Township, Chester County depicted in **CONFIDENTIAL Exhibit B-1** and described in **Exhibit B-2** hereto.

**WHEREFORE**, Pennsylvania-American respectfully requests that the Commission approve this Application and grant the relief requested above.

Respectfully Submitted,



Erin K. Fure, Esquire (PA ID #312245)  
Pennsylvania-American Water Company  
852 Wesley Drive  
Mechanicsburg, PA 17055  
Phone: (717) 550-1574  
Email: [erin.fure@amwater.com](mailto:erin.fure@amwater.com)

***Attorney for Pennsylvania-American  
Water Company***

Dated: December 6, 2024

**EXHIBIT A**

**PAWC COMPANY HISTORY**

## PENNSYLVANIA-AMERICAN WATER COMPANY

Pennsylvania-American Water Company, an investor-owned water company, with corporate offices at 852 Wesley Drive, Mechanicsburg, is a subsidiary of American Water Works Company, Inc. On February 1, 1989, the then-existing Pennsylvania-American Water Company (the result of the January 1, 1987 merger of Riverton Consolidated Water Company with and into Keystone Water Company) was merged with and into Western Pennsylvania Water Company, and the name of the surviving corporation was changed to Pennsylvania-American Water Company. A brief summary of each of the three predecessor companies follows.

Riverton Consolidated Water Company was formed by the merger and consolidation of six operating water companies in 1904. It subsequently acquired seven additional systems, and at the time of its merger with Keystone, supplied water to 12 municipalities on the Harrisburg west shore, Cumberland County, and Fairview Township in York County.

Keystone Water Company resulted from the 1973 merger of 14 companies with and into White Deer Mountain Water Company. The Company later acquired four systems. It provided water service in 14 eastern Pennsylvania counties through the following distribution systems: Abington, Bangor, Berwick, Frackville, Hallstead, Hershey/Palmyra, Montrose, Moshannon Valley, Norristown, Northumberland, Susquehanna, Thompson, White Deer (Milton), and Yardley.

Western Pennsylvania Water Company was the product of the merger of 16 water companies with and into South Pittsburgh Water Company at various times from 1970 to 1973. WPW added seven water distribution systems, extending its service territory into portions of 12 western Pennsylvania counties. The company operated through the following district offices: Butler, Clarion, Connellsville, Ellwood, Indiana, Kane, Kittanning, McDonald, Mon Valley, New Castle, Pittsburgh, Punxsutawney, Uniontown, Warren, and Washington.

After the merger of Riverton and Keystone in 1987, the former Pennsylvania-American Water Company purchased five systems: Red Land Water Company in York County, Campbelltown Water Company in Lebanon County, and three systems in the Moshannon Valley area, Clearfield County - Woodland-Bigler Area Authority, Allport Water Authority, and Graham Water Association.

Since the merger of the former Pennsylvania-American Water Company (Riverton and Keystone) into Western Pennsylvania Water Company on February 1, 1989, the Company has acquired the following water and wastewater systems: Smith Township Municipal Authority system (Washington County, February 27, 1989); Abington Township system (Lackawanna County, August 5, 1989); Summit Township Municipal Authority system (Butler County, August 31, 1993); Skyline Water Company (Dauphin County, December 2, 1993); Gregg Township Municipal Authority system (Union County, April 25, 1994); P-F Area Water Association system (Washington County, October 1, 1994); Country Place Water Company, Inc. and Country Place Waste Treatment Company, Inc. (Monroe County, June 30, 1995); Hickory Water Company, Pocono Farms East Water Company, Inc., and Silver Water Company (Monroe and Pike Counties, December 21, 1995); the water utility assets of Pennsylvania Gas and

# Exhibit A

Water Company (Lackawanna, Luzerne, Susquehanna and Wayne Counties, February 16, 1996); the Municipal Authority of the Township of Morris system (Clearfield County, April 24, 1996); Westford Water Company (Dauphin County, August 2, 1996); Lackawanna County Water System at Montage (Lackawanna County, April 11, 1997); Clarion Township General Authority (Clarion County, January 28, 1998); Fairview Water Company, National Utilities, Inc.-Pocono Division, and Pocono Mountains Industrial Park Authority (Monroe County, May 7, 1998); Coolbaugh Township-Fire System (Monroe County, July 28, 1998); Greene Valley Water Company (Lackawanna County, August 28, 1998); Franklin Manor Utilities, Ltd. (Washington County, September 22, 1998); Taylor Township (Lawrence County, December 21, 1998); Evansburg Water Company (Montgomery County, December 30, 1998); Applewold Borough (Armstrong County, March 26, 1999); Cedar Grove Water Association (Washington County, July 8, 1999); Independence Township Municipal Authority (Washington County, July 8, 1999); Koppel Borough (Beaver County, November 5, 1999); Center Township (Butler County, December 30, 1999); Strattanville Borough (Clarion County, April 6, 2000); Franklin Township Municipal Authority (Beaver County, August 30, 2000); Elk Forest Estates (Wayne County, November 18, 2000); T.O.W. Associates (Butler County, February 13, 2001); City of Coatesville Authority (Chester and Lancaster Counties, March 22, 2001); Fox Knoll Water Company (Chester County, April 26, 2001); Butler Township Area Water and Sewer Authority (Butler County, April 27, 2001); Citizens Utilities Water Company of Pennsylvania (Adams, Berks, Chester, Monroe, Montgomery and Northampton Counties, January 15, 2002); LP Water & Sewer Company (Monroe and Pike Counties, April 3, 2002); Mid-Monroe Water Company (Monroe County, August 23, 2002); West Decatur Authority (Clearfield County, March 31, 2003); Rustic Acres Water Association (Pike County, September 30, 2003); Sandy Ridge Water Authority (Center County, October 14, 2003); Connoquenessing Borough Authority (Butler County, October 23, 2003); Skytop Water Company (Luzerne County, December 3, 2003); Sligo Borough Authority (Clarion County, August 31, 2004); Snowshoe at Mt. Pocono Condominiums, Inc. (Monroe County, February 24, 2005); Shippenville Municipal Authority (Clarion County, March 31, 2005); Blue Mountain Lake Associates, L.P. (Monroe County, October 31, 2005); East Fallowfield Township (Chester County, December 22, 2005); Stillwater Lakes Water Corporation (Monroe County, January 17, 2006); Winona Lakes Utilities, Inc. (Monroe and Pike Counties, January 26, 2006); Saville Rustin Water Company, Inc./Pine Ridge Community Association, Inc. (Pike County, March 29, 2006); Lexington Woods Corporation (Monroe County, July 24, 2006); Community Association of Pocono Farms, Incorporated (Monroe County, July 31, 2006); Redstone Water Company (Fayette and Washington Counties, March 20, 2007); Mountain Top Estates Property Owners Association (Monroe County, May 30, 2008); Claysville-Donnegal Joint Municipal Authority (Washington County, July 31, 2008); Three Lane Utilities, Inc. (Pike County, September 10, 2008); Clarion Area Authority (Clarion County, October 30, 2008); Boggs Township (Centre County, September 10, 2009); Amwell Township Water Authority (Washington County, September 23, 2009); Wallaceton Municipal Authority (Clearfield County, October 1, 2009); Saxonburg Area Authority (Butler County, October 28, 2009); Nittany Water Company (Centre and Clinton Counties, February 3, 2010); Sutton Hills Homeowners Association (Luzerne County, May 5, 2010); Birch Acres Water Works, Inc. (Monroe County, December 7, 2010); Helen Norella and Louis & Isabelle Norella (Lackawanna County, October 5, 2011); Wildcat Park Corporation (Schuylkill County, November 17, 2011); Estate of George Spangenberg d/b/a Lake Spangenberg Water Company (Lackawanna County, May 3, 2012); North Fayette County Municipal Authority-Balsinger Public Water System and Springfield Pike Public Water System

# Exhibit A

(Fayette County, October 4, 2012); All Seasons Water Company (Pike County, December 20, 2012); Ha Ra Corporation-Fernwood Community Water System (Monroe County, December 31, 2012); Olwen Heights Water Service Company, Inc. (Lackawanna County, February 4, 2013); Indian Rocks Water Association (Wayne County, March 13, 2013); Koppel Borough (Beaver County, May 31, 2013); Pocono Mountain Lake Forest Community Association (Pike County, July 22, 2013); Clean Treatment Sewage Company (Pike County, August 21, 2013); Franklin Township Municipal Authority (Adams County, August 29, 2013); Berry Hollow Water Company (Northampton County, April 3, 2014); Scott Township (Lackawanna County, May 22, 2014); Paint-Elk Joint Sewer Authority (Clarion County, July 31, 2014); Hamiltonban Township Municipal Authority (Adams County, November 3, 2014); Abbey Woods Homeowners Association (Butler County, July 14, 2015); Shipperville Borough (Clarion County, August 4, 2015); Paint Township Municipal Water Authority (Clarion County, October 15, 2015); McEwensville Municipal Authority (Northumberland County, October 21, 2015); Fairview Township (York County, December 22, 2015); Borough of New Cumberland (Cumberland County, October 31, 2016); Sewer Authority of the City of Scranton (Lackawanna County, December 29, 2016); The Municipal Authority of the City of McKeesport (Allegheny County, December 18, 2017); Township of Sadsbury (Chester County, March 6, 2019); Municipal Authority of the Borough of Turbotville (Northumberland County, July 23, 2019); Borough of Turbotville (Northumberland County, July 23, 2019); Steelton Borough Authority (Dauphin County, October 9, 2019); Township of Exeter (Berks County, October 24, 2019); Kane Borough Authority (McKean County, October 13, 2020); Winola Water Company (Wyoming County, December 17, 2020); Delaware Sewer Company (Pike County, May 13, 2021); Borough of Royersford (Montgomery County, May 25, 2021); Valley Township-Water (Chester County, November 18, 2021); Valley Township-Wastewater (Chester County, November 18, 2021); SLIBCO Utilities, Inc. (Lackawanna County, November 19, 2021); York City Sewer Authority (York County, May 27, 2022); Upper Pottsgrove Township (Berks and Montgomery Counties, June 30, 2022); Foster Township (Luzerne County, October 27, 2022) and Creekside Homeowners Association (Lancaster County, June 22, 2023). On July 2, 1990, Brownsville Water Company (Fayette County) and California Water Company (Washington County) were acquired and merged into the Company. On June 16, 1992, the former Forge Road Acres water system (Cumberland County) was sold to South Middleton Township. On March 24, 2003, Salisbury Water Supply Company (State of Massachusetts) was acquired and merged into the Company.

As a result of the various mergers and acquisitions, the Company furnishes water service to about 681,707 customers in the following municipalities:

All, or portions of, the Townships of Mount Joy, Mount Pleasant and Straban in Adams County;

All, or portions of, the Cities of Clairton and Pittsburgh (16th, 18th, 19th, 20th, 28th, 29th, 30th, 31st and 32nd Wards), the Boroughs of Baldwin, Bethel Park, Brentwood, Bridgeville, Carnegie, Castle Shannon, Crafton, Dormont, Dravosburg, Elizabeth, Glassport, Greentree, Heidelberg, Homestead, Ingram, Jefferson, Liberty, Lincoln, Mount Oliver, Munhall, Pleasant Hills, Rosslyn Farms, Thornburg, West Elizabeth, West Homestead, West Mifflin, Whitaker and Whitehall and the Townships of Baldwin, Collier, Elizabeth, Forward, Mt. Lebanon, North Fayette, Robinson, Scott, South Fayette,

# Exhibit A

South Park and Upper St. Clair in Allegheny County;

All, or portions of, the Boroughs of Applewold and Kittanning and the Townships of Manor and Rayburn in Armstrong County;

All, or portions of, the Boroughs of Big Beaver, Ellwood City, Frankfort Springs and Koppel and the Townships of Franklin, Hanover and North Sewickly in Beaver County;

All, or portions of, the Boroughs of Sinking Spring, St. Lawrence and Wyomissing and the Townships of Amity, Cumru, Earl, Exeter, Lower Heidelberg, Ruscombmanor, South Heidelberg and Spring in Berks County;

All, or portions of, the Borough of Yardley and the Townships of Falls and Lower Makefield in Bucks County;

All, or portions of, the City of Butler, the Boroughs of Connoquenessing, East Butler and Saxonburg and the Townships of Butler, Center, Clinton, Connoquenessing, Donegal, Forward, Franklin, Jackson, Jefferson, Lancaster, Oakland, Penn and Summit in Butler County;

All, or portions of, the Boroughs of Philipsburg and South Philipsburg and the Townships of Boggs, Rush and Walker in Centre County;

All, or portions of, the City of Coatesville, the Boroughs of Atglen, Parkesburg, South Coatesville and Spring City and the Townships of Caln, East Coventry, East Fallowfield, East Pikeland, East Vincent, Highland, Sadsbury, Schuylkill, Valley, West Caln, West Sadsbury and West Vincent in Chester County;

All, or portions of, the Boroughs of Clarion, Shippenville, Sligo and Strattanville and the Townships of Clarion, Elk, Farmington, Highland, Knox, Limestone, Monroe, Paint and Piney in Clarion County;

All, or portions of, the Boroughs of Chester Hill, Osceola Mills and Wallacetown and the Townships of Boggs, Bradford, Decatur, Graham and Morris in Clearfield County;

All, or portions of, the Township of Porter in Clinton County;

All, or portions of, the Boroughs of Berwick and Briar Creek and the Township of Briar Creek in Columbia County;

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All, or portions of, the Boroughs of Camp Hill, Lemoyne, New Cumberland, Shiremanstown and Wormleysburg and the Townships of East Pennsboro, Hampden, Lower Allen, Middlesex, Silver Spring and Upper Allen in Cumberland County;

All, or portions of, the Borough of Steelton and the Townships of Conewago, Derry, Londonderry, South Hanover, Swatara and West Hanover in Dauphin County;

All, or portions of, the Cities of Connellsville and Uniontown, the Boroughs of Brownsville and South Connellsville and the Townships of Brownsville, Bullsken, Connellsville, Dunbar, German, Jefferson, Luzerne, Menallen, North Union, Redstone and South Union in Fayette County;

All, or portions of, the Borough of Indiana and the Township of White in Indiana County;

All, or portions of, the Boroughs of Big Run and Punxsutawney and the Townships of Bell, Gaskill, Henderson, McCalmont and Young in Jefferson County;

All, or portions of, the Cities of Carbondale and Scranton, the Boroughs of Archbald, Blakely, Clarks Green, Clarks Summit, Dalton, Dickson City, Dunmore, Jermyn, Jessup, Mayfield, Moosic, Old Forge, Olyphant, Taylor, Throop and Vandling and the Townships of Carbondale, Fell, Glenburn, Jefferson, North Abington, Roaring Brook, Scott and South Abington in Lackawanna County;

All, or portions of, the Borough of Quarryville and the Townships of Bart, Colerain, Eden, Providence and Sadsbury in Lancaster County;

All, or portions of, the City of New Castle; the Boroughs of Ellport, Ellwood City, New Beaver and South New Castle and the Townships of Hickory, Mahoning, Neshannock, North Beaver, Perry, Shenango, Taylor, Union and Wayne in Lawrence County;

All, or portions of, the Borough of Palmyra and the Townships of Annville, North Annville, North Londonderry, South Annville and South Londonderry in Lebanon County;

All, or portions of, the Cities of Nanticoke, Pittston and Wilkes-Barre, the Boroughs of Ashley, Avoca, Courtdale, Dallas, Dupont, Duryea, Edwardsville, Exeter, Forty Fort, Hughestown, Kingston, Laflin, Larksville, Laurel Run, Luzerne, Nescopeck, Plymouth, Pringle, Shickshinny, Sugar Notch, Swoyersville, Warrior Run, West Pittston, West Wyoming, Wyoming and Yatesville and the Townships of Conyngham, Fairview, Hanover, Hunlock, Jackson, Jenkins, Kingston, Newport, Pittston, Plains, Plymouth, Rice, Salem, Union, Wilkes-Barre and Wright in Luzerne County;

All, or portions of, the Borough of Kane and the Township of Wetmore in McKean County;

# Exhibit A

All, or portions of, the Borough of Mount Pocono, the Townships of Coolbaugh, Hamilton, Middle Smithfield, Ross, Smithfield and Stroud and the Village of Tobyhanna in Monroe County;

All, or portions of, the Boroughs of Bridgeport, Norristown and Royersford and the Townships of East Norriton, Limerick, Lower Pottsgrove, Lower Providence, Perkiomen, Plymouth, Skippack, Upper Merion, Upper Providence, West Norriton, Whitmarsh, Whitpain and Worcester in Montgomery County;

All, or portions of, the Boroughs of Bangor, Nazareth, Pen Argyl, Roseto, Stockertown, Tatamy and Wind Gap and the Townships of Bushkill, Forks, Lower Mount Bethel, Lower Nazareth, Palmer, Plainfield, Upper Mount Bethel, Upper Nazareth and Washington in Northampton County;

All, or portions of, the Boroughs of McEwensville, Milton, Northumberland, Turbotville and Watsontown and the Townships of Delaware, East Chillisquaque, Lewis, Point, Turbot, Upper Augusta and West Chillisquaque in Northumberland County;

Portions of the Townships of Delaware, Lehman and Westfall in Pike County;

All, or portions of, the Borough of Frackville and the Townships of Butler, Mahanoy, New Castle, Walker and West Mahanoy in Schuylkill County;

All, or portions of, the Boroughs of Forest City, Great Bend, Hallstead, Lanesboro, Montrose, Susquehanna and Thompson and the Townships of Bridgewater, Great Bend, Harmony and Oakland in Susquehanna County;

All, or portions of, the Borough of Lewisburg and the Townships of Buffalo, East Buffalo, Gregg, Kelly and White Deer in Union County;

All, or portions of, the City of Warren and the Townships of Conewango, Glade, Meade, and Pleasant in Warren County;

All, or portions of, the Cities of Monongahela and Washington and the Boroughs of Burgettstown, California, Canonsburg, Claysville, Coal Center, East Washington, Finleyville, Houston, McDonald, Midway, New Eagle, West Brownsville and West Middletown and the Townships of Amwell, Buffalo, Canton, Carroll, Cecil, Chartiers, Cross Creek, Donegal, East Finley, East Pike Run, Fallowfield, Hanover, Hopewell, Independence, Jefferson, Morris, Mount Pleasant, North Franklin, North Strabane, Nottingham, Peters, Robinson, Smith, Somerset, South Franklin, South Strabane and Union in Washington County;

Portions of the Townships of Clinton and Salem in Wayne County;

Portion of the Township of Overfield in Wyoming County; and

# Exhibit A

All, or portions of, the Townships of Fairview and Newberry in York County.

As a result of acquisitions, the Company furnishes wastewater service to about 97,585 customers in the following municipalities:

Portions of, the Townships of Franklin, Hamiltonban and Highland in Adams County;

All, or portions of, the Cities of Duquesne and McKeesport and the Boroughs of Dravosburg, Port Vue and West Mifflin in Allegheny County;

All of the Borough of Koppel in Beaver County;

All, or portions of, the Townships of Alsace, Douglass, Exeter and Lower Alsace in Berks County;

All, or portions of, the City of Coatesville, the Boroughs of Parkesburg and South Coatesville and the Townships of Caln, East Fallowfield, Highland, Sadsbury, Valley, West Caln and West Sadsbury in Chester County;

All, or portions of, the Boroughs of Clarion and Shippenville and the Townships of Clarion, Elk, Monroe and Paint in Clarion County;

All, or portions of, the Borough of New Cumberland and the Township of Lower Allen in Cumberland County;

All of the City of Scranton and the Borough of Dunmore in Lackawanna County;

Portions of the Township of Foster in Luzerne County;

All, or portions of, the Borough of Kane and Township of Wetmore in McKean County;

Portions of the Townships of Coolbaugh, Middle Smithfield, Smithfield and Stroud in Monroe County;

All, or portions of, the Borough of Royersford and the Townships of Upper Pottsgrove and Upper Providence in Montgomery County;

All, or portions of, the Boroughs of McEwensville and Turbotville in Northumberland County;

Portions of the Townships of Delaware and Lehman in Pike County;

All, or portions of, the Borough of Claysville and the Township of Donegal in Washington County; and

All, or portions of, the City of York, the Borough of North York and the Townships of

Fairview, Manchester, Newberry and York in York County.

[418 municipalities in 37 counties.]

06/30/2023

**EXHIBIT B-1**

**CONFIDENTIAL**

**MAP OF PROPOSED SERVICE TERRITORY**

**EXHIBIT B-2**

**METES AND BOUNDS OF PROPOSED SERVICE TERRITORY**

## Exhibit B-2

**Starting Point:** The northwestern most point of parcel UPI 28-5-95.17,  
located at 101 Woodland Drive, Caln Township, PA.

Sequence	From	To	Bearing	Distance
1	1	2	S84°14'41"E	235.97709
2	2	3	S8°19'50"W	180.267862
3	3	4	N82°01'11"W	236.122544
4	4	5	N8°27'27"E	171.108175

**EXHIBIT C**

**LEGAL DESCRIPTION OF APPLIED FOR SERVICE TERRITORY**

Prepared By Chesco Settlement Services, LLC  
300 Willowbrook Ln. Suite 310  
West Chester, PA19382  
Phone 484-266-7638

Return To Chesco Settlement Services, LLC  
300 Willowbrook Ln. Suite 310  
West Chester, PA19382  
Phone 484-266-7638

28-5-95.17  
101 Woodland Drive  
Coatesville, PA 19320  
File No. 143-004830

UPI No 28-5-95 17  
Consideration \$343,000 00  
Municipal Tax \$3,430 00  
State Tax \$3,430 00

CERTIFIED TO BE A TRUE AND  
EXACT COPY OF THE ORIGINAL

Fee Simple Deed

**This Deed**, made on **November 15, 2022**, between.

**Dennis J. Hoffman and Amy L. Hoffman,**

hereinafter called the Grantors of the one part, and

**Ilia Katsis and Robin E. Katsis,**

hereinafter called the Grantees of the other part.

Witnesseth, that in consideration of **Three Hundred Forty Three Thousand and 00/100 Dollars, (\$343,000.00)** in hand paid, the receipt whereof is hereby acknowledged, the said Grantors do hereby grant and convey unto the said Grantees, his her their heirs and assigns, as tenants by the entirety

ALL THAT CERTAIN lot or piece of ground, situate in the Township of West Caln, County of Chester and State of Pennsylvania, bounded and described according to a plan of Sandy Hill Estates, made by Berger and Hayes, Inc., dated 08 18 1975 and last revised 06 21 1976 as follows to wit:

BEGINNING at a point on the Northwest side of Sandy Hill Road at a corner of Lot No. 19 on said plan, thence extending from said point of beginning and along the said side of Sandy Hill Road, South 18 degrees, 14 minutes, 20 seconds West, 150 00 feet to a point of curve, thence extending along the arc of a circle curving to the right having a radius of 25 feet the arc distance of 39.27 feet to a point of tangent on the Northeast side of an unnamed road, thence extending along the same North 71 degrees, 45 minutes, 40 seconds West crossing an easement area, 201.42 feet to a corner of Lot No. 21 on said plan, thence leaving the said side of the unnamed road and extending along Lot No. 21, North 8 degrees, 38 minutes, 20 seconds West, 165 00 feet to a corner of Lot No. 19 on said plan, thence extending along the same, South 74 degrees, 32 minutes, 12 seconds East, recrossing and aforesaid easement area 254.23 feet to a point on the Northwest side of Sandy Hill Road, being the first mentioned point and place of beginning

BEING Lot No. 20 on said plan.


UPI NO 28-5-95 17

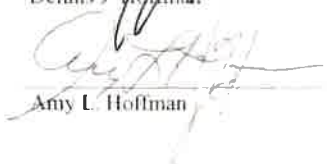
BEING the same premises which Reliable Property Solutions, LLC, by Deed dated 04 10 2017 and recorded 04 13 2017 in the Office of the Recorder of Deeds in and for the County of Chester in Record Book 9523, Page 723, granted and conveyed unto Dennis J. Hoffman and Amy L. Hoffman as tenants by the entirety

And the said Grantors do hereby covenant to and with the said Grantees that he/she/they, the said Grantors, his/her/their heirs and assigns, SHALL and WILL, warrant and forever defend the herein above described premises, with the hereditaments and appurtenances, unto the said Grantees, his/her/their heirs and assigns, against the said Grantors and against every other person lawfully claiming or who shall hereafter claim the same or any part thereof, by, from or under him/her/them or any of them.

In witness whereof, the said Grantors has caused these presents to be duly executed the day and year first above written

Sealed and delivered in the presence of:

  
 \_\_\_\_\_  
 Dennis J. Hoffman

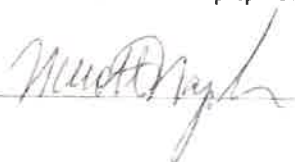
  
 \_\_\_\_\_  
 Amy L. Hoffman

State/Commonwealth of Pennsylvania

County of Chester

On this 15th day of November, 2022, before me, the undersigned officer, personally appeared **Dennis J. Hoffman and Amy L. Hoffman**, known to me (or satisfactorily proven) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged that he/she/they executed the same for the purposes therein contained

In witness whereof, I hereunto set my hand and official seal

  
 \_\_\_\_\_  
 Notary Public

Commonwealth of Pennsylvania - Notary Seal NICOLETTE NAPOLEON - Notary Public Delaware County My Commission Expires September 2, 2025 Commission Number 1407032
---


**DEED**

File No. 143-004830

Grantor: Dennis J Hoffman and Amy L. Hoffman

Grantee: Robin E Katsis and Ilia Katsis

I certify the address of the Grantee to be, and mail tax bill to 101 Woodland Drive Coatesville, PA 19320

Certified by  \_\_\_\_\_

Premises: 101 Woodland Drive, Coatesville, West Caln Township, Chester County, Commonwealth of Pennsylvania

**EXHIBIT D**

**APPLICATIONS/ORDERS PREVIOUSLY APPROVED IN WEST CALN**  
**SERVICE TERRITORY**

**APPLICATION OF PAWC FOR APPROVAL OF  
THE TO BEGIN TO OFFER, RENDER, FURNISH,  
OR SUPPLY WASTEWATER SERVICE TO THE  
PUBLIC IN ADDITIONAL PORTIONS OF WEST  
CALN TOWNSHIP, CHESTER COUNTY**

**Docket No. A-230073F0007**

**Order ENTERED MAY 5, 2003**

**PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA. 17105-3265**

Public Meeting held May 1, 2003

Commissioners Present:

Glen R. Thomas, Chairman  
Robert K. Bloom, Vice Chairman  
Aaron Wilson, Jr.  
Terrance J. Fitzpatrick  
Kim Pizzingrilli

Amended Application of Pennsylvania-American Water Company - Wastewater for approval of the right to offer, render, furnish or supply wastewater service to the public in additional portions of West Caln Township, Chester County, Pennsylvania.

Docket Number:

A-230073F0007

**ORDER**

**BY THE COMMISSION:**

On January 2, 2003, pursuant to Section 1102(a)(1)(i) and (2), of the Public Utility Code, Pennsylvania-American Water Company – Wastewater (PAWC - WW), filed an Application for Commission approval of the right to offer, render, furnish or supply wastewater service to the public in additional portions of West Caln Township, Chester County, Pennsylvania.

PAWC - WW does serve in West Caln Township (Township) via its purchase of the City of Coatesville Authority at Docket No. A-230073F0002. The Township received three requests from developers for wastewater service from separate community subdivisions (referred to as the Cushman, Knapp and Goldberg Tracts). The Township

passed Resolution Number 7-02 on July 15, 2002 to petition PAWC - WW to make application to the Commission to amend its franchised area to include these three tracts.

The original Application, for the three individual developments, was filed on January 2, 2003.

On February 5, 2003, Chester County Planning Commission (CCPC) filed a letter commenting about inconsistencies with Chester County's Plan, "Landscapes". Although CCPC noted the presence of two Superfund sites relative to these tracts, it held reservations with regards to the Goldberg parcel. CCPC requested that the Commission not take action on granting approval of the Application in the case of the Goldberg Tract.

On February 24, 2003, PAWC - WW filed a letter requesting that the Commission act only on the Cushman and Knapp Tracts and not act on the Goldberg Tract. This request caused this filing to become an Amended Application.

There were no motions or petitions filed and no hearing was held. Proof of publication and service to appropriate entities were filed.

PAWC - WW is a regulated public utility company, duly organized and existing under the laws of the Commonwealth of Pennsylvania and is engaged in the business of wastewater service. It currently furnishes public wastewater service to over 12,000 residential, commercial, industrial and municipal customers in three Pennsylvania counties.

PAWC - WW anticipates that its future assets will include approximately 19,800 feet of 8 inch main, services, associated appurtenances, pump station and easements. The

distribution systems of these two tracts will be interconnected with the former City of Coatesville Authority (A-230073F0002).

PAWC - WW will retain its current rates for new customers. These rates are the same rates of the former City of Coatesville which are frozen for three years from the date of closing as per their asset purchase agreement at A-230073F0002. A typical residential customer, discharging 15,000 gallons per quarter (based on metered water consumption), experiences a quarterly bill of \$50.89 or \$203.56 annually. PAWC - WW will apply the rules and regulations of service as set forth in its tariff that is on file with the Commission.

Upon full consideration of all matters of record, we believe that approval of this Amended Application is necessary and proper for the service, accommodation, and convenience of the public. For these reasons, we conclude that approval of the Amended Application is in the public interest; **THEREFORE,**

**IT IS ORDERED:**

1. That the Amended Application of Pennsylvania-American Water Company – Wastewater at Docket No. A-230073F0007 is hereby approved, consistent with the discussion in this Order to the extent that the Goldberg Tract is not part of this proceeding.
2. That PAWC - WW shall file a tariff supplement within 10 days from the entry date of this Order reflecting the additional territory to be served and related applicable rates.

3. That PAWC – WW file a map showing only the Cushman and Knapp Tracts within 30 days of the entry date of this Order.

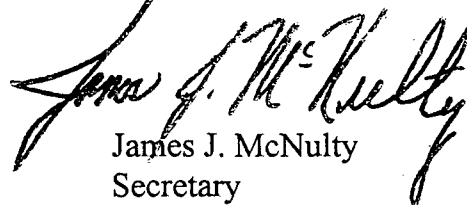
4. That the Secretary shall issue to PAWC - WW a Certificate of Public Convenience pursuant to Section 1102(a)(1)(i) of the Public Utility Code authorizing PAWC - WW to begin to offer, render, furnish, or supply wastewater service to the public in additional portions of West Caln Township, Chester County, Pennsylvania.

5. That nothing herein shall be construed to exempt PAWC - WW from obtaining all necessary permits and approvals from other state, federal and local government agencies having jurisdiction.

6. That a copy of this Order shall be served on the Department of Environmental Protection, Southeast Regional Office and the Commission's Office of Trial Staff.

7. That the Secretary shall mark the record closed upon compliance with Ordering Paragraph Nos. 2 and 3.

BY THE COMMISSION



James J. McNulty  
Secretary

(SEAL)

ORDER ADOPTED: May 1, 2003

ORDER ENTERED: MAY 05 2003

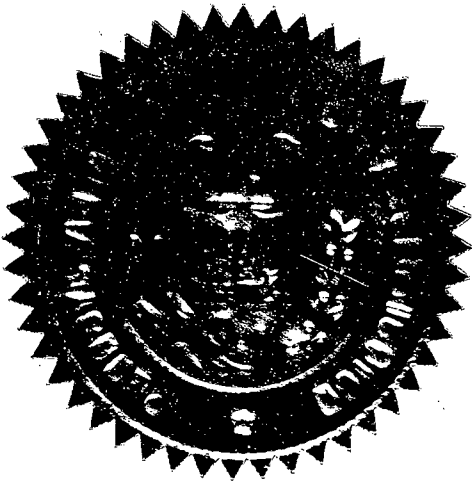
# PENNSYLVANIA PUBLIC UTILITY COMMISSION

IN THE MATTER OF THE APPLICATION OF: A-230073 F0007

**Amended Application of Pennsylvania-American Water Company-Wastewater for approval of the right to offer, render, furnish or supply wastewater service, to the Public, in additional portions of West Caln Township, Chester County, Pennsylvania**

The Pennsylvania Public Utility Commission hereby certifies that after an investigation and/or hearing, it has, by its report and order made and entered, found and determined that the granting of the application is necessary or proper for the service, accommodation, convenience and safety of the public and hereby issues to the applicant this **CERTIFICATE OF PUBLIC CONVENIENCE** evidencing the Commission's approval.

In Witness Whereof, The PENNSYLVANIA PUBLIC UTILITY COMMISSION has caused these presents to be signed and sealed, and duly attested by its secretary at its office in the city of Harrisburg this 1st day of May 2003.



A handwritten signature in black ink, reading "James J. McKeelty". The signature is written in a cursive style with a large, sweeping initial "J".

Secretary

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

**In re: Application of Pennsylvania-American Wastewater Company for approval of the right to offer, render, furnish or supply wastewater service to the public in portions of West Caln Township, Chester County, Pennsylvania.**

Application No. \_\_\_\_\_

To Pennsylvania Public Utility Commission:

I. INTRODUCTION

1. Pennsylvania-American Water Company ("Pennsylvania-American" or "Applicant") hereby requests that the Pennsylvania Public Utility Commission ("Commission") issue a certificate of public convenience evidencing its approval under Section 1102(a) of the Public Utility Code, 66 Pa.C.S. § 1102(a), of the Applicant's offering, rendering, furnishing or supplying of wastewater service in portions of West Caln Township, Chester County, Pennsylvania.

2. This Application is being filed to extend wastewater service to the public in the proposed service territory in portions of West Caln Township, Chester County, Pennsylvania.

3. The name and address of Applicant is:

Pennsylvania-American Water Company  
("Pennsylvania-American")  
800 West Hersheypark Drive  
Hershey, PA 17033

4. The names and address of the Applicant's attorneys are:

Velma A. Redmond, Esquire  
Susan Simms Marsh, Esquire  
Pennsylvania-American Water Company  
800 West Hersheypark Drive  
Hershey, PA 17033

II. DESCRIPTION OF THE APPLICANT

5. Pennsylvania-American is a corporation organized and existing under the laws of the Commonwealth of Pennsylvania and is a wholly owned subsidiary of the American Wastewater Works Company, Inc. ("AWW"). Pennsylvania-American furnishes wastewater service in a certificated service territory encompassing portions of 3 counties in the Commonwealth. As of September 30, 2002, Pennsylvania-American provided wastewater service to approximately 12,676 customers in the following classifications:

Residential:	12,306
Commercial:	341
Industrial:	7
Municipal, Resale and Other:	22
Fire Protection:	0

In addition, Pennsylvania-American furnishes water service to approximately 606,172 customers in 35 counties.

6. Attached hereto as Exhibit A is pertinent information with respect to the corporate history, authority, and service territory of Pennsylvania-American.

III. THE PROPOSED ADDITIONAL SERVICE TERRITORY

7. As indicated at paragraph 2 above, the proposed additional service territory is located in portions of West Caln Township, Chester County, Pennsylvania. Attached hereto as Exhibit B-1 is a description of the area to be served, and attached hereto as Exhibit B-2 is a map showing the boundaries of the area. The applied-for-territory will serve approximately 378 residential customers in three subdivisions.

8. No additional capital will be required by the Applicant for the purpose of financing the matters and things involved in this Application. All pipeline extensions will be completed under Applicant's tariff rules regarding main extensions.

9. The gravity sewer facilities to be installed within this application territory will include approximately 10,300 feet of 8" main in Calnshire West, 5,000 feet of 8" main in Sandy Hill and 9,500 feet of 8" main in the Lawrence development together with services, meters, valves and related appurtenances. A total of 30,000 feet of force main and pump station will be installed to provide wastewater service to these developments.

10. To the best of the knowledge of the Applicant, no corporation, partnership, or individual is now furnishing or has corporate or franchise rights to furnish service similar to that to be rendered by Applicant in the Application Territory, and no competitive condition will be created.

#### IV. FINANCIAL AND OTHER RELEVANT INFORMATION

11. There is attached hereto, as Exhibit C, a balance sheet of Pennsylvania-American as of September 30, 2002.

12. There is attached hereto, as Exhibit D, a statement of income and retained earnings of Pennsylvania-American for the 12 months ended September 30, 2002.

13. Pennsylvania-American will charge its then existing Rate Zone 24 rates for service in the Application Territory as set forth in Pennsylvania-American's Tariff. Current Rate Zone 24 rates are shown on Exhibit E, and may be changed from time to time.

14. Furnishing of service in the proposed additional service territory will have no adverse effect upon the service furnished or the rates charged to other customers.

15. The estimated annual revenues and expenses of Pennsylvania-American in the additional territory are set forth in Exhibit F attached hereto.

#### IV. PUBLIC INTEREST

16. It is in the public interest for Pennsylvania-American to provide wastewater service in the proposed service territory because it is financially and technically capable of providing service and because there is a need to make wastewater service available for approximately 378 residential customers in three subdivisions.

17. A resolution in support for Pennsylvania-American's application was sent by the Township Board of Supervisors of West Caln Township and is attached as Exhibit G.

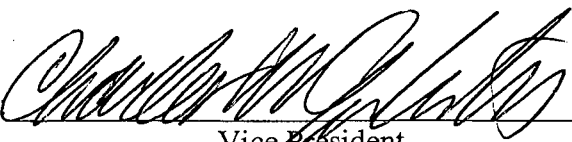
18. Upon approval of the Application, receipt of a certificate of public convenience, and installation of the proposed facilities, Pennsylvania-American will provide wastewater service to applicants in the applied for area under the Rules and Regulations of Pennsylvania-American's approved tariff.

#### V. RELIEF REQUESTED

19. Together with its Order approving this Application, Pennsylvania-American requests that the Commission issue a Certificate of Public Convenience pursuant to Section 1102(a) of the Public Utility Code, 66 Pa.C.S. §1102(a), authorizing Pennsylvania-American to furnish wastewater service in the portion of West Caln Township described in Exhibit B-1 and depicted in Exhibit B-2 hereto.

WHEREFORE, Pennsylvania-American respectfully requests that the Pennsylvania Public Utility Commission approve this Application and grant the relief requested in Paragraph 18, above.

PENNSYLVANIA-AMERICAN WATER COMPANY

By   
Vice President

Dated: *January 2, 2003*

COMMONWEALTH OF PENNSYLVANIA )  
 )  
COUNTY OF DAUPHIN )

SS:

On this, the *2<sup>nd</sup>* day of *January*, 2003, before me, a notary public, the undersigned officer, personally appeared Charles W. Johnston, who acknowledged himself to be a Vice President - Business Development of Pennsylvania-American Water Company, a Pennsylvania Corporation and that he as such Vice President being authorized to do so, executed the foregoing instrument for the purposes therein contained by signing the name of the corporation by himself as Vice President.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

*Roberta L. Gautsch*

NOTARIAL SEAL  
ROBERTA L. GAUTSCH, Notary Public  
Derry Twp., Dauphin County, PA  
My Commission Expires Oct. 10, 2006

My Commission Expires:

## PENNSYLVANIA-AMERICAN WATER COMPANY

Pennsylvania-American Water Company, an investor-owned water company, with corporate offices at 800 West Hersheypark Drive, Hershey, is a subsidiary of American Water Works Company, Inc. On February 1, 1989, the then-existing Pennsylvania-American Water Company (the result of the January 1, 1987 merger of Riverton Consolidated Water Company with and into Keystone Water Company) was merged with and into Western Pennsylvania Water Company, and the name of the surviving corporation was changed to Pennsylvania-American Water Company. A brief summary of each of the three predecessor companies follows.

Riverton Consolidated Water Company was formed by the merger and consolidation of six operating water companies in 1904. It subsequently acquired seven additional systems, and at the time of its merger with Keystone, supplied water to 12 municipalities on the Harrisburg west shore, Cumberland County, and Fairview Township in York County.

Keystone Water Company resulted from the 1973 merger of 14 companies with and into White Deer Mountain Water Company. The Company later acquired four systems. It provided water service in 14 eastern Pennsylvania counties through the following distribution systems: Abington, Bangor, Berwick, Frackville, Hallstead, Hershey/Palmyra, Montrose, Moshannon Valley, Norristown, Northumberland, Susquehanna, Thompson, White Deer (Milton), and Yardley.

Western Pennsylvania Water Company was the product of the merger of 17 water companies with and into South Pittsburgh Water Company at various times from 1970 to 1973. WPW added seven water distribution systems, extending its service territory into portions of 12 western Pennsylvania counties. The company operated through the following district offices: Butler, Clarion, Connellsville, Ellwood, Indiana, Kane, Kittanning, McDonald, Mon Valley, New Castle, Pittsburgh, Punxsutawney, Uniontown, Warren, and Washington.

After the merger of Riverton and Keystone in 1987, the former Pennsylvania-American Water Company purchased five systems: Red Land Water Company in York County, Campbelltown Water Company in Lebanon County, and three systems in the Moshannon Valley area, Clearfield County - Woodland-Bigler Area Authority, Allport Water Authority, and Graham Water Association.

Since the merger of the former Pennsylvania-American Water Company (Riverton and Keystone) into Western Pennsylvania Water Company on February 1, 1989, the Company has acquired the following water systems: Smith Township Municipal Authority system (Washington County, February 27, 1989); Abington Township system (Lackawanna County, August 5, 1989); Summit Township Municipal Authority system (Butler County, August 31, 1993); Skyline Water Company (Dauphin County, December 2, 1993); Gregg Township Municipal Authority system (Union County, April 25, 1994); P-F Area Water Association system (Washington County, October 1, 1994); Country Place Water Company, Inc. and Country Place Waste Treatment Company, Inc. (Monroe County, June 30, 1995); Hickory Water Company, Pocono Farms East Water Company, Inc., and Silver Water Company (Monroe and Pike Counties, December 21, 1995); the water utility assets of Pennsylvania Gas and Water Company (Lackawanna, Luzerne, Susquehanna and Wayne Counties, February 16, 1996); the Municipal Authority of the Township of Morris system (Clearfield County, April 24, 1996); Westford Water Company (Dauphin County, August 2, 1996); Clarion Township General Authority (Clarion County, January 28, 1998); Fairview Water Company, National Utilities, Inc.-Pocono Division, and Pocono Mountains Industrial Park Authority (Monroe County, May 7, 1998); Coolbaugh Township-Fire System (Monroe County, July 28, 1998); Greene Valley Water Company (Lackawanna County, August 28, 1998); Franklin Manor Utilities, Ltd. (Washington County, September 22, 1998); Taylor Township (Lawrence County, December 21, 1998); Evansburg Water Company (Montgomery County, December 30, 1998); Applewold Borough (Armstrong County, March 26, 1999); Cedar Grove Water Association (Washington County, July 8, 1999); Independence Township Municipal Authority (Washington

County, July 8, 1999); Koppel Borough (Beaver County, November 5, 1999); Center Township (Butler County, December 30, 1999); Strattanville Borough (Clarion County, April 6, 2000); Franklin Township Municipal Authority (Beaver County, August 30, 2000); Elk Forest Estates (Wayne County, November 18, 2000); T.O.W. Associates (Butler County, February 13, 2001); City of Coatesville Authority (Chester and Lancaster Counties, March 22, 2001); Fox Knoll Water Company (Chester County, April 26, 2001); Butler Township Area Water and Sewer Authority (Butler County, April 27, 2001); Citizens Utilities Water Company of Pennsylvania (Adams, Berks, Chester, Monroe, Montgomery and Northampton Counties, January 15, 2002) and LP Water & Sewer Company (Monroe and Pike Counties, April 3, 2002). On July 2, 1990, Brownsville Water Company (Fayette County) and California Water Company (Washington County) were acquired and merged into the Company. On June 16, 1992, the former Forge Road Acres water system (Cumberland County) was sold to South Middleton Township.

As a result of the various mergers and acquisitions, the Company furnishes water service to about 606,172 customers in the following municipalities:

All, or portions of, the Townships of Mount Joy, Mount Pleasant and Straban in Adams County;

All, or portions of, the Cities of Clairton and Pittsburgh (16th, 18th, 19th, 20th, 23rd, 29th, 30th, 31st and 32nd Wards), the Boroughs of Baldwin, Bethel Park, Brentwood, Bridgeville, Carnegie, Castle Shannon, Crafton, Dormont, Dravosburg, Elizabeth, Glassport, Greentree, Heidelberg, Homestead, Ingram, Jefferson, Liberty, Lincoln, Mt. Oliver, Munhall, Pleasant Hills, Rosslyn Farms, Thornburg, West Elizabeth, West Homestead, West Mifflin, Whitaker and Whitehall and the Townships of Baldwin, Collier, Elizabeth, Forward, Mt. Lebanon, North Fayette, Robinson, Scott, South Fayette, South Park and Upper St. Clair in Allegheny County;

All, or portions of, the Boroughs of Applewold and Kittanning and the Townships of Manor and Rayburn in Armstrong County;

All, or portions of, the Boroughs of Ellwood City, Frankfort Springs and Koppel and the Townships of Franklin, Hanover and North Sewickly in Beaver County;

All, or portions of, the Boroughs of Sinking Spring, St. Lawrence, West Lawn and Wyomissing Hills and the Townships of Amity, Cumru, Exeter, Lower Heidelberg, Ruscombmanor, South Heidelberg and Spring in Berks County;

All, or portions of, the Borough of Yardley and the Townships of Falls and Lower Makefield in Bucks County;

All, or portions of, the City of Butler, the Borough of East Butler and the Townships of Butler, Center, Connoquenessing, Jackson, Oakland, Penn and Summit in Butler County;

All, or portions of, the Boroughs of Philipsburg and South Philipsburg and the Township of Rush in Centre County;

All, or portions of, the City of Coatesville, the Boroughs of Atglen, Parkesburg, South Coatesville and Spring City and the Townships of Caln, East Coventry, East Fallowfield, East Pikeland, East Vincent, Sadsbury, Schuylkill, Valley, West Caln, West Sadsbury and West Vincent in Chester County;

All, or portions of, the Boroughs of Clarion and Strattanville and the Townships of Clarion, Limestone, Monroe and Piney in Clarion County;

All, or portions of, the Boroughs of Chester Hill and Osceola Mills and the Townships of Boggs, Bradford, Decatur, Graham and Morris in Clearfield County;

All, or portions of, the Boroughs of Berwick and Briar Creek and the Township of Briar Creek in Columbia County;

All, or portions of, the Boroughs of Camp Hill, Lemoyne, New Cumberland, Shiremanstown, West Fairview and Wormleysburg and the Townships of East Pennsboro, Hampden, Lower Allen, Silver Spring and Upper Allen in Cumberland County;

All, or portions of, the Townships of Derry, Londonderry, South Hanover and West Hanover in Dauphin County;

All, or portions of, the Cities of Connellsville and Uniontown, the Boroughs of Brownsville, South Connellsville and West Brownsville and the Townships of Brownsville, Bullskin, Connellsville, Dunbar, Jefferson, Luzerne, Menallen, North Union, Redstone and South Union in Fayette County;

All, or portions of, the Borough of Indiana and the Township of White in Indiana County;

All, or portions of, the Boroughs of Big Run and Punxsutawney and the Townships of Bell, Gaskill, Henderson, McCalmont and Young in Jefferson County;

All, or portions of, the Cities of Carbondale and Scranton, the Boroughs of Archbald, Blakely, Clarks Green, Clarks Summit, Dalton, Dickson City, Dunmore, Jermyn, Jessup, Mayfield, Moosic, Old Forge, Olyphant, Taylor, Throop and Vandling and the Townships of Abington, Carbondale, Fell, Glenburn, North Abington, Scott and South Abington in Lackawanna County;

All, or portions of, the Borough of Quarryville and the Townships of Bart, Colerain, Eden and Sadsbury in Lancaster County;

All, or portions of, the City of New Castle; the Boroughs of Ellport, Ellwood City and South New Castle and the Townships of Hickory, Mahoning, Neshannock, Perkiomen, Perry, Shenango, Taylor, Union and Wayne in Lawrence County;

All, or portions of, the Borough of Palmyra and the Townships of Annville, North Annville, North Londonderry, South Annville and South Londonderry in Lebanon County;

All, or portions of, the Cities of Nanticoke, Pittston and Wilkes-Barre, the Boroughs of Ashley, Avoca, Courtdale, Dallas, Dupont, Duryea, Edwardsville, Exeter, Forty Fort, Hughestown, Kingston, Laflin, Larksville, Laurel Run, Luzerne, Nescopeck, Plymouth, Pringle, Shickshinny, Sugar Notch, Swoyersville, Warrior Run, West Pittston, West Wyoming, Wyoming and Yatesville and the Townships of Conyngham, Fairview, Hanover, Hunlock, Jackson, Jenkins, Kingston, Newport, Pittston, Plains, Plymouth, Rice, Salem, Union, Wilkes-Barre and Wright in Luzerne County;

All, or portions of, the Borough of Kane and the Township of Wetmore in McKean County;

All, or portions of, the Borough of Mount Pocono and the Townships of Coolbaugh, Hamilton, Middle Smithfield and Ross in Monroe County;

All, or portions of, the Boroughs of Bridgeport, Norristown and Royersford and the Townships of East Norriton, Limerick, Lower Pottsgrove, Lower Providence, Plymouth, Skippack, Upper Merion, Upper Providence, West Norriton, Whitemarsh, Whitpain and Worcester in Montgomery County;

All, or portions of, the Boroughs of Bangor, Belfast, Nazareth, Pen Argyl, Roseto, Stockertown, Tatamy and Wind Gap and the Townships of Bushkill, Forks, Lower Nazareth, Palmer, Plainfield, Upper Mt. Bethel, Upper Nazareth and Washington in Northampton County;

All, or portions of, the Boroughs of Milton, Northumberland and Watsontown and the Townships of Delaware, East Chillisquaque, Point, Turbot, Upper Augusta and West Chillisquaque in Northumberland County;

Portions of the Townships of Delaware and Lehman in Pike County;

All, or portions of, the Borough of Frackville and the Townships of Butler, Mahanoy, New Castle and West Mahanoy in Schuylkill County;

All, or portions of, the Boroughs of Forest City, Great Bend, Hallstead, Lanesboro, Montrose, Susquehanna and Thompson and the Townships of Bridgewater, Great Bend, Harmony and Oakland in Susquehanna County;

All, or portions of, the Borough of Lewisburg and the Townships of Buffalo, East Buffalo, Gregg, Kelly and White Deer in Union County;

All, or portions of, the City of Warren and the Townships of Conewango, Glade, Meade, and Pleasant in Warren County;

All, or portions of, the Cities of Monongahela and Washington and the Boroughs of Burgettstown, California, Canonsburg, Coal Center, East Washington, Finleyville, Houston, McDonald, Midway, New Eagle and West Middletown and the Townships of Amwell, Canton, Carroll, Cecil, Chartiers, Cross Creek, Fallowfield, Hanover, Hopewell, Independence, Jefferson, Mt. Pleasant, North Franklin, North Strabane, Nottingham, Peters, Robinson, Smith, Somerset, South Franklin, South Strabane and Union in Washington County;

Portion of the Township of Clinton in Wayne County; and

All, or portions of, the Townships of Fairview and Newberry in York County.

As a result of acquisitions, the Company furnishes wastewater service to about 12,676 customers in the following municipalities:

All, or portions of, the City of Coatesville, the Borough of Parkesburg and the Townships of Caln, East Fallowfield, Sadsbury, Valley and West Sadsbury in Chester County; and

Portions of the Townships of Coolbaugh and Middle Smithfield in Monroe County.

Portion of the Township of Lehman in Pike County.

[357 municipalities in 35 counties. Note: Ellwood City Borough is located in Beaver and Lawrence Counties; Hanover Township is located in Beaver and Washington Counties]

05/01/02

Description of Additional Portions of West Caln Township, Chester County to be Served by PAWC

West Caln Township

Those portions of West Caln Township that are being developed as three (3) separate residential communities, those being known as Knapp, Cushman, and Goldberg, as shown in Exhibit B-1 and described as follows:

Knapp

Consisting of the following Tax Parcels, 28-5-102 (PIN 2805 01020000), 28-5-101 (PIN 2805 01010000) and 28-5-106 (PIN 2805 01060000) described generally as follows:

Beginning at a point, said point being the intersection of the centerlines of Coffroath Road and North Sandy Hill Road, thence in a westerly direction along the centerline of Coffroath Road approximately 2,550 feet to a point, said point being the projected intersection of Coffroath Road centerline line and the western parcel line of Parcel 28-5-101, thence in a southerly direction along the western parcel line of Parcel 28-5-101 approximately 840 feet to a point, said point being the southwestern most corner of Parcel 28-5-101, thence in an easterly direction along the southern parcel line of Parcel 28-5-101 approximately 1,960 feet to a point, said point being the projected intersection of the southern parcel line of Parcel 28-5-101 and the centerline of North Sandy Hill Road, thence starting at a point, said point being the projected intersection of the centerline of North Sandy Hill Road and the southern parcel line of Parcel 28-5-106, thence in a easterly direction along the southern parcel line of Parcel 28-5-106 approximately 2,300 feet to a point, said point being the projected intersection of the southern parcel line of Parcel 28-5-106 and the centerlines of Coffroath Road and New Hibernia Road, thence in a north westerly direction along the centerline of Coffroath Road approximately 2,250 feet to the point of beginning.

Cushman

Consisting of the following Tax Parcels, 28-5-51 (PIN 2805 00510000) and 28-5-16 (PIN 2805 00160000) described generally as follows:

Beginning at a point, said point being the intersection of the centerlines of Coffroath Road and North Sandy Hill Road, thence in a westerly direction along the centerline of Coffroath Road approximately 1,370 feet to a point, said point being the projected intersection of Coffroath Road centerline line and the western parcel line of Parcel 28-5-11, thence in a northerly westerly direction along the western parcel line of Parcel 28-5-11 approximately 1,800 feet to a point, said point being the intersection of the western parcel line of 28-5-11 and the eastern parcel line of Parcel 28-5-16, thence in a southerly direction along the eastern parcel line of Parcel 28-5-16 approximately 590 feet to a point, said point being the southeastern most corner of Parcel 28-5-16, thence in a south westerly direction along the southern parcel line of Parcel 28-5-16 approximately

1,000 feet to a point, said point being the southwestern most corner of Parcel 28-5-16, thence in a northerly and easterly direction along the western and northern parcel line of Parcel 28-5-16 approximately 1,280 feet to a point, said point being the northwestern most corner of Parcel 28-5-16, thence in a easterly direction along the northern parcel line of Parcel 28-5-16 approximately 600 feet to a point, said point being the projected intersection of the northern parcel line of Parcel 28-5-16 and the eastern parcel line of Parcel 28-5-11, thence is a northerly direction along the western parcel line of Parcel 28-5-11 approximately 415 feet to a point, said point being the northern parcel line of Parcel 28-5-11, thence in an north easterly direction along the northern parcel line of Parcel 28-5-11 approximately 1,120 feet to a point, said point being the northeastern most corner of Parcel 28-5-11, thence in a south easterly direction approximately 1,700 feet, then in a westerly direction approximately 160 feet, then in a southerly direction approximately 390, then in a easterly direction approximately 570 to a point, said point being the project intersection of the eastern parcel line of Parcel 28-5-11 and the centerline of Sandy Hill Road, thence in a southerly direction along the centerline of Sandy Hill Road approximately 950 feet to the point of beginning.

#### Goldberg

Consisting of the following Tax Parcels, 28-2-3.9 (PIN 2802 00060000), 28-2-11 (PIN 2802 00110000), 28-2-12 (PIN 2802 00120000), 28-2-15 (PIN 2802 00150000), 28-2-13 (PIN 2802 00130000) and 28-2-2.90 (PIN 2802 00140000) described generally as follows:

Beginning at a point, said point being the projected intersection of the eastern parcel line of Parcel 28-2-15 with the centerline of Hill Road, thence in a westerly direction along the centerline of Hill Road approximately 4,200 feet to a point, said point being the projected intersection of Hill Road centerline line and the western parcel line of Parcel 28-2-3.9, thence in a northerly direction along the western parcel line of Parcel 28-2-3.9 approximately 1,100 feet to a point, said point being the projected intersection of the western parcel line of 28-2-3.9 and the centerline of Compass Road, thence in an north easterly direction along the center line of Compass Road approximately 400 feet to a point, said point being the projected intersection of the centerline of Compass Road and the northern parcel line of Parcel 28-2-3.9, thence in a north easterly direction along the northern parcel line of Parcel 28-2-3.9 approximately 1,200 feet to a point, said point being the intersection of the northern parcel line of Parcel 28-2-3.9 and the western parcel line of Parcel 28-2-12, thence in a northerly direction along the western parcel line of Parcel 28-2-12 approximately 225 feet to a point, said point being the intersection of the western parcel line of Parcel 28-2-12 and the southern parcel line of Parcel 28-2-11, thence in a westerly direction along the southern parcel line of Parcel 28-2-11 approximately 570 feet to a point, said point being the projected intersection of the southern parcel line of Parcel 28-2-11 and the centerline of Compass Road, thence is a northerly direction along the centerline of Compass Road approximately 720 feet to a point, said point being the projected intersection of the centerline of Compass Road and the northern parcel line of Parcel 28-2-11, thence in an easterly direction along the northern parcel line of Parcel 28-2-11 approximately 950 feet to a point, said point being the intersection of the northern parcel line of Parcel 28-2-11 and the northern parcel line of Parcel 28-2-12, thence in an easterly direction along the northern parcel line of Parcel

28-2-12 approximately 2,750 feet to a point, said point being the intersection of the northern parcel line and the east parcel line of Parcel 28-2-12, thence in a south westerly direction along the eastern parcel line of Parcel 28-2-12 approximately 370 feet to a point, said point being the intersection of the eastern parcel line of Parcel 28-2-12 and the eastern parcel line of Parcel 28-2-15, thence in a south easterly direction along the eastern parcel line of Parcel 28-2-15 approximately 1,300 feet to the point of beginning.

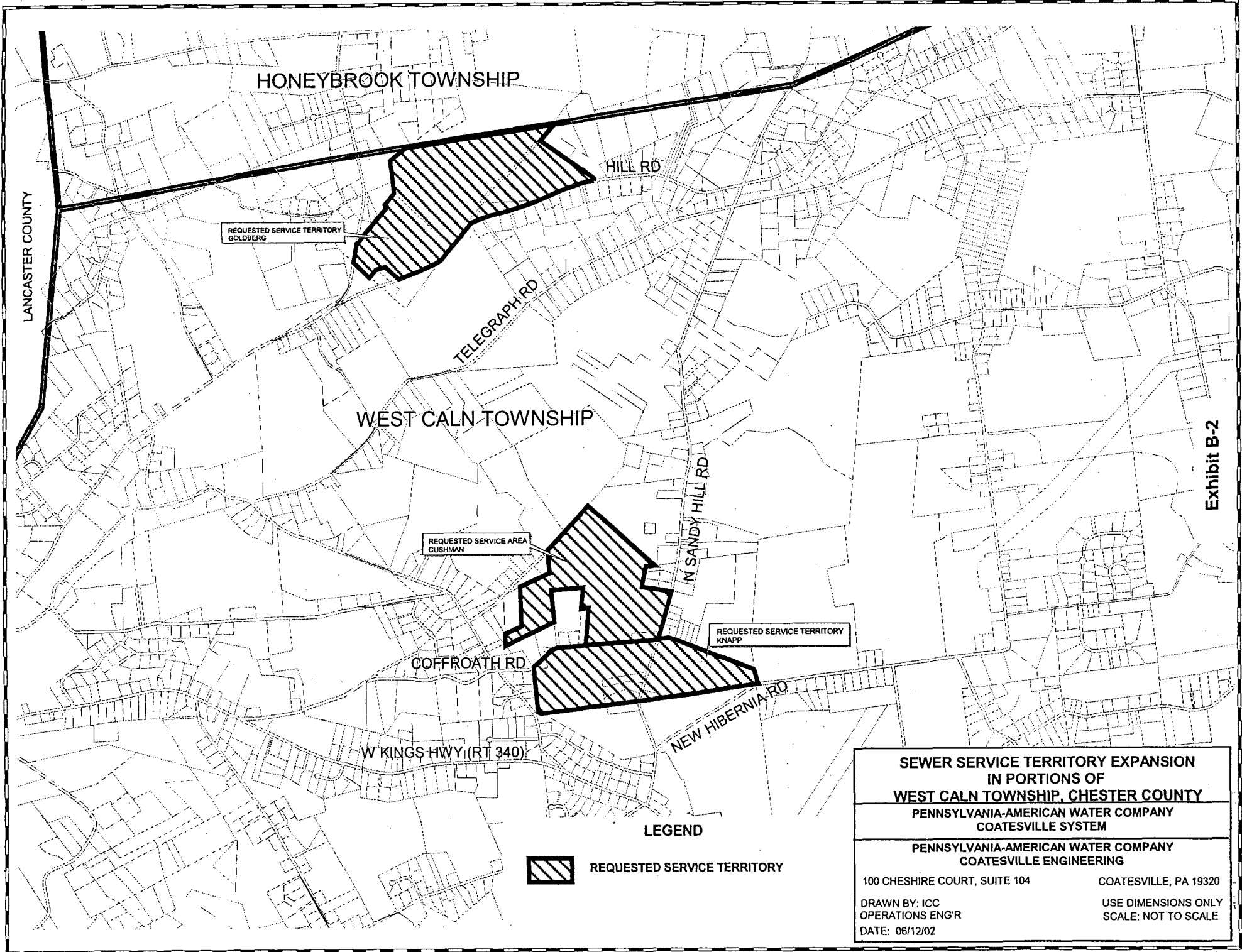


Exhibit B-2

<b>SEWER SERVICE TERRITORY EXPANSION IN PORTIONS OF WEST CALN TOWNSHIP, CHESTER COUNTY</b>	
PENNSYLVANIA-AMERICAN WATER COMPANY COATESVILLE SYSTEM	
PENNSYLVANIA-AMERICAN WATER COMPANY COATESVILLE ENGINEERING	
100 CHESHIRE COURT, SUITE 104	COATESVILLE, PA 19320
DRAWN BY: ICC OPERATIONS ENG'R	USE DIMENSIONS ONLY SCALE: NOT TO SCALE
DATE: 06/12/02	

**LEGEND**

 **REQUESTED SERVICE TERRITORY**

PENNSYLVANIA - AMERICAN WATER COMPANY

BALANCE SHEET

	PAWC SEPT30, 2002
ASSETS	
UTILITY PLANT	\$1,940,535,257
CONSTRUCTION WORK IN PROGRESS	28,600,015
ACCUMULATED DEPRECIATION	(348,803,598)
UTILITY PLANT ACQUISITION ADJ.	15,065,929
OTHER UTILITY PLANT ADJUSTMENTS	0
	<u>1,635,397,603</u>
NONUTILITY PROPERTY	663,281
OTHER INVESTMENTS	<u>41,075,784</u>
CURRENT ASSETS	
CASH AND CASH EQUIVALENTS	440,370
TEMPORARY INVESTMENTS	0
CUSTOMER ACCOUNTS RECEIVABLE	40,216,928
ALLOWANCE FOR UNCOLL. ACCT.	(829,353)
UNBILLED REVENUES	21,926,608
FIT REFUND DUE FROM ASSOC. COMPANY	0
MISCELLANEOUS RECEIVABLES	732,023
MATERIALS AND SUPPLIES	3,306,250
OTHER	9,225,478
	<u>75,018,304</u>
DEFERRED DEBITS	
DEBT AND PREF. STOCK EXPENSE	9,713,007
EXPENSE OF RATE PROCEEDINGS	527,476
PREL. SURVEY AND INVEST. CHARGES	8,514,011
REG ASSET-INC TAX RECOVERABLE THRU RATES	104,374,826
OTHER	33,161,663
	<u>156,290,983</u>
	<u>1,908,445,955</u>
CAPITAL AND LIABILITIES	
COMMON STOCK	\$21,506,887
PAID IN CAPITAL	406,363,114
RETAINED EARNINGS	194,642,451
	<u>622,512,452</u>
TOTAL COMMON EQUITY	622,512,452
PREFERRED STOCK	15,189,900
LONG-TERM DEBT	<u>775,399,187</u>
	1,413,101,539
CURRENT LIABILITIES	
BANK DEBT-PENDING ISSUANCE OF SEC.	19,595,217
CURR. PORTION OF LONG-TERM DEBT	72,898,501
ACCOUNTS PAYABLE	3,396,125
TAXES ACCRUED	7,361,365
INTEREST ACCRUED	16,589,727
CUSTOMER DEPOSITS	0
DIVIDENDS DECLARED	304,390
OTHER	15,487,672
	<u>135,632,997</u>
DEFERRED CREDITS	
CUSTOMER ADVANCES FOR CONSTR.	54,800,421
DEFERRED INCOME TAXES	212,535,471
DEFERRED INCOME TAX CREDIT	8,467,666
REG LIABILITY-INC TAX REFUND THRU RATES	8,093,870
OTHER	19,826,917
	<u>303,724,345</u>
CONTRIBUTIONS IN AID OF CONSTRUCTION	<u>55,987,074</u>
	<u>1,908,445,955</u>

Exhibit C

PENNSYLVANIA-AMERICAN WATER COMPANY  
STATEMENT OF INCOME AND RETAINED EARNINGS  
TWELVE MONTHS ENDED SEPTEMBER 30, 2002

	CURRENT YEAR
OPERATING REVENUES	\$342,772,139
OPERATION EXPENSES	
OPERATIONS AND MAINTENANCE	133,105,245
DEPRECIATION & AMORTIZATION	49,833,585
TAXES ON OPERATING INCOME	
GENERAL TAXES	9,365,797
STATE INCOME	7,822,666
FEDERAL INCOME	30,703,912
	230,831,205
UTILITY OPERATING INCOME	111,940,934
OTHER INCOME	
ALLOW. FOR OTHER FUNDS FOR CONSTRUCT.	627,857
MISCELLANEOUS OTHER INCOME	142,465
GAIN (LOSS) ON SALE OF PROPERTY	(166,888)
	112,544,368
OTHER DEDUCTIONS	
MISCELLANEOUS AMORTIZATION	(1,565,592)
MISCELLANEOUS OTHER DEDUCTIONS	563,208
TAXES ON OTHER INCOME AND DEDUCTIONS	
GENERAL	28,701
STATE INCOME	64,542
FEDERAL INCOME	148,027
	(761,114)
INCOME BEFORE INTEREST CHARGES	113,305,482
INTEREST CHARGES	
INTEREST ON LONG-TERM DEBT	54,527,114
AMORTIZATION OF DEBT EXPENSE	645,838
INTEREST ON BANK DEBT	743,155
OTHER INTEREST	10,905
ALLOW. FOR BORROWED FUNDS FOR CONSTRUCT.	(173,067)
	55,753,945
NET INCOME	57,551,537
DIVIDENDS ON PREFERRED STOCK	1,217,692
NET INCOME TO COMMON	56,333,845

**Exhibit D**

Schedule of Consumption Charges

A. Residential/Commercial (Based on Water Usage)

Service Charge per quarter: \$5.59

3.02 per 1,000 gallons

B. Special Rate Charges

1. Bulk Metered Usage

Caln Township, Valley Township, V.A. Hospital and West Brandywine Township - Quarterly Service Charge of \$5.59 in addition to \$2.13 per 1000 gallons of metered water usage.

Lukens Steel - Quarterly Service Charge of \$5.59 in addition to \$1.94 per 1,000 gallons of metered water usage.

2. Unmetered Units

Valley District and East Fallowfield Township - \$148.00 annually.

Indicates Increase, (D) Indicates Decrease, (C) Indicates Change

Issued: March 30, 2001

Effective: March 22, 2001

**Estimated Annual Revenue and Expense  
in Application Territory**

Estimated Annual Revenue

378	Residential customers	\$ 72,379.44
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Estimated Annual Expenses

378	Residential customers	\$ 17,580.78
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	Net	<u>\$ 54,798.66</u>
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**EXHIBIT F**

RESOLUTION NUMBER 7-02

WEST CALN TOWNSHIP

CHESTER COUNTY

A RESOLUTION OF THE TOWNSHIP OF WEST CALN, CHESTER COUNTY, PENNSYLVANIA

WHEREAS, West Caln Township ("Township") has received three separate residential community subdivision requests known as the Knapp Subdivision, the Cushman Subdivision and the Goldberg Subdivision, ("the Subdivisions") all within the municipal boundaries of West Caln Township; and

WHEREAS, it is the desire of the Township that the Subdivisions be served by public sewer; and

WHEREAS, it is the intent and the desire of the Township that wastewater service be, in fact, provided to the Subdivisions by Pennsylvania-American Water Company ("PAWC"); and

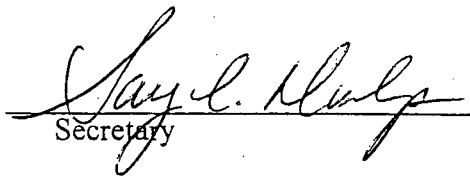
WHEREAS, it is the desire of the Township to have the Subdivisions included in the PAWC franchise area and shown accordingly on the franchise area map; and

WHEREAS, it is the desire of the Township to have PAWC expedite filing with the Pennsylvania Public Utility Commission ("PUC") the necessary application to amend its franchise area and map to include the Subdivisions.

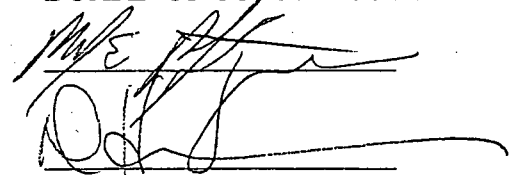
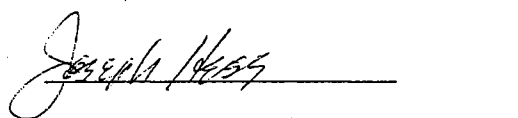
NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF SUPERVISORS OF WEST CALN TOWNSHIP that it does hereby petition PAWC to make application to the PUC, on an expedited basis, to amend its franchise area and map to include the Knapp Subdivision, the Cushman Subdivision and the Goldberg Subdivision as set forth in the attached "Description of Additional Portions of West Caln Township, Chester County, to be Served by PAWC", and the attached Map marked Exhibit B-1, as if set forth fully herein.

THIS RESOLUTION WAS ADOPTED THIS 15TH DAY OF July, 2002 BY THE BOARD OF SUPERVISORS OF WEST CALN TOWNSHIP, CHESTER COUNTY.

ATTEST:

  
Secretary

BOARD OF SUPERVISORS

Seal

Exhibit G

**APPLICATION OF PAWC FOR APPROVAL OF THE  
RIGHT TO OFFER, RENDER, OR FURNISH OR SUPPLY  
WASTEWATER SERVICE TO THE PUBLIC IN AN  
ADDITIONAL PORTION OF WEST CALN TOWNSHIP,  
CHESTER COUNTY**

**DOCKET NO. A-2014-2430841**

**ORDER ENTERED NOVEMBER 13, 2014**

**PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA 17105-3265**

Public Meeting held November 13, 2014

**Commissioners Present:**

Robert F. Powelson, Chairman  
John F. Coleman, Jr., Vice Chairman  
James H. Cawley  
Pamela A. Witmer  
Gladys M. Brown

Application of Pennsylvania-American Water  
Company for approval of the right to offer,  
render, or furnish, or supply wastewater service  
to the public in an additional portion of West  
Calm Township, Chester County, Pennsylvania.

Docket Number:  
A-2014- 2430841

**ORDER**

**BY THE COMMISSION:**

By the application filed on July 7, 2014, Pennsylvania-American Water Company - Wastewater (PAWC-W or the Applicant), utility code 230073, 800 West Hersheypark Drive, Hershey, PA 17033, seeks a certificate of public convenience pursuant to section 1102(a)(1)(i) of the Public Utility Code, 66 Pa. C.S. §1102(a)(1)(i), evidencing Commission approval of the Applicant's right to offer, render, furnish, or supply wastewater service in a portion of West Calm Township, Chester County, Pennsylvania.

Proofs of publication and service to appropriate entities were submitted by PAWC-W. No protests were filed and no hearings were held.

PAWC-W is a regulated public utility corporation, duly organized and existing under the laws of the Commonwealth of Pennsylvania, and is a wholly owned subsidiary of the American Water Works Company, Inc. PAWC-W is currently engaged in the business of collecting, treating and disposing of wastewater sewage for the public. The PAWC-W existing service territory covers various counties throughout Pennsylvania, including Chester County. As of May 31, 2014, PAWC-W furnished wastewater service to 16,629 customers.

PAWC-W has indicated that the proposed territory is located in a portion of West Caln Township, Chester County, Pennsylvania as shown on Exhibit B-1, a map of the proposed service area, and Exhibit B-2, a description of the proposed service area that is attached to the PAWC-W Application. The applied-for-territory will allow PAWC-W to provide public wastewater service to two currently undeveloped residential properties located along the south side of Pennsylvania State Highway SR 4001, Old Wilmington Road at its intersection with Township Route No. T-364, Ash Road.

The first property is identified as Lot 1 on Chester County Tax Parcel UPI #28-8-84.3 is 1.274 acres. The second property is identified as Lot 2 on Chester County Tax Parcel UPI #28-8-84 is 9.99 acres. The owner of the properties is proposing to annex 4.929 acres from Lot 2 to Lot 1 resulting in an area of 6.203 acres for Lot 1. Lot 2 will then consist of 5.061 acres. PAWC-W is certified to serve portions of West Caln Township, Chester County under Docket No. A-230073F0002.

PAWC-W stated that the facilities to be installed within this application territory to serve the two properties will include two separate 1.25 inch force main laterals connecting to the 6 inch force main located on Old Wilmington Road in West Caln Township, Chester County. Each dwelling will require the installation of a grinder tank and low volume force main to the existing main. Water service for each of the two properties will be provided by on-site water facilities.

PAWC-W stated that the cost of the wastewater main installation will be approximately \$5,000 and will be borne by PAWC-W.

The Applicant stated that to the best of its knowledge no corporation, partnership, or individual is now furnishing or has corporate or franchise rights to furnish service similar to the service to be rendered by PAWC-W in the requested territory, and no competitive condition will be created. PAWC-W further indicated that furnishing service in the requested territory will have no adverse effect upon the service furnished or the rates charged to other customers.

PAWC-W will charge its then existing Rate Zone 1 rates applicable to unmetered service in the requested territory as set forth in PAWC-W's Tariff. The anticipated annual revenue for an unmetered residential customer at the current rates is \$1,404.

Letters from West Caln Township and Roger Fry, PLS on behalf of Aaron Glick, the owner of the two lots, were submitted in support of PAWC-W's Application. The Applicant is current with its annual and quarterly reports as well as the Security Planning and Readiness report filing requirements of the Commission. There are no Department of Environmental Protection (DEP) outstanding compliance or operational issues with PAWC-W.

It is in the public interest for PAWC-W to extend wastewater service to the proposed service territory because PAWC-W is financially and technically capable of providing the service and because there is a need to make reliable and safe wastewater service available to these residential properties; **THEREFORE,**

**IT IS ORDERED:**

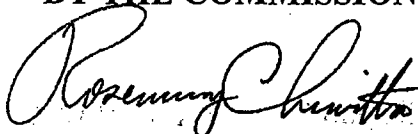
1. That the application of Pennsylvania-American Water Company – Wastewater at Docket No. A-2014-2430841 is hereby approved.

2. That a certificate of public convenience shall be issued pursuant to section 1102(a)(1)(i) of the Public Utility Code, 66 Pa. C.S. §1102(a)(1)(i), authorizing Pennsylvania-American Water Company - Wastewater to begin to offer, render, furnish, or supply wastewater service in a portion of West Caln Township, Chester County as described in Exhibit B-2 and depicted on a map identified as Exhibit B-1, which were attached to the subject application.

3. That nothing herein shall be construed to exempt Pennsylvania-American Water Company - Wastewater from obtaining all necessary permits, licenses, and approvals from other federal, state, and local government agencies having jurisdiction.

4. That a copy of this Order be served upon Pennsylvania-American Water Company - Wastewater, the Bureau of Investigation and Enforcement, the Office of Consumer Advocate, the Office of Small Business Advocate and the Department of Environmental Protection – Southeast Regional Office and its Bureau of Regulatory Counsel.

BY THE COMMISSION,



Rosemary Chiavetta  
Secretary

(SEAL)

ORDER ADOPTED: November 13, 2014

ORDER ENTERED: November 13, 2014

# PENNSYLVANIA PUBLIC UTILITY COMMISSION

IN THE MATTER OF THE APPLICATION OF DOCKET NO: A-2014-2430841

Application of Pennsylvania-American Water Company for approval of the right to offer, render, or furnish, or supply wastewater service to the public in an additional portion of West Caln Township, Chester County, Pennsylvania.

**Effective Date: NOVEMBER 13, 2014**

**The Pennsylvania Public Utility Commission hereby certifies that after an investigation and/or hearing, it has, by its report and order made and entered, found and determined that the granting of the application is necessary or proper for the service, accommodation, convenience and safety of the public and hereby issues to the applicant this **CERTIFICATE OF PUBLIC CONVENIENCE** evidencing the Commission's approval.**

**In Witness Whereof, The PENNSYLVANIA PUBLIC UTILITY COMMISSION has caused these presents to be signed and sealed, and duly attested by its secretary at its office in the city of Harrisburg this 13<sup>TH</sup> DAY OF NOVEMBER 2014.**



Secretary

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

**In re: Application of Pennsylvania-American Water Company for approval of the right to offer, render, furnish or supply wastewater service to the public in an additional portion of West Caln Township, Chester County, Pennsylvania**

Application No. \_\_\_\_\_

To Pennsylvania Public Utility Commission:

I. INTRODUCTION

1. Pennsylvania-American Water Company ("Pennsylvania-American" or "Applicant") hereby requests that the Pennsylvania Public Utility Commission ("Commission") issue a certificate of public convenience evidencing its approval under Section 1102(a) of the Public Utility Code, 66 Pa.C.S. § 1102(a), of the Applicant's offering, rendering, furnishing or supplying of wastewater service in an additional portion of West Caln Township, Chester County, Pennsylvania.

2. This Application is being filed to extend wastewater service to the public in the proposed service territory in a portion of West Caln Township, Chester County, Pennsylvania.

3. The name and address of Applicant is:

Pennsylvania-American Water Company  
("Pennsylvania-American")  
800 West Hersheypark Drive  
Hershey, PA 17033

4. The names and address of the Applicant's attorneys are:

Velma A. Redmond, Esquire  
Susan Simms Marsh, Esquire  
Seth A. Mendelsohn, Esquire  
Pennsylvania-American Water Company  
800 West Hersheypark Drive  
Hershey, PA 17033

## II. DESCRIPTION OF THE APPLICANT

5. Pennsylvania-American is a corporation organized and existing under the laws of the Commonwealth of Pennsylvania and is a wholly owned subsidiary of the American Water Works Company, Inc. ("AWW"). Pennsylvania-American furnishes water service in a certificated service territory encompassing portions of 36 counties across the Commonwealth. As of May 31, 2014, Pennsylvania-American provided water service to approximately 648,772 customers in the following classifications:

Residential:	596,409
Commercial:	44,968
Industrial:	528
Municipal, Resale and Other:	2,473
Fire Protection:	4,390

In addition, Pennsylvania-American furnishes wastewater service to approximately 16,629 customers.

6. Attached hereto as Exhibit A is pertinent information with respect to the corporate history, authority, and service territory of Pennsylvania-American.

## III. THE PROPOSED ADDITIONAL SERVICE TERRITORY

7. As indicated at paragraph 2 above, the proposed additional service territory is located in a portion of West Caln Township, Chester County, Pennsylvania. Attached hereto as Exhibit B-1 is a map showing the boundaries of the area and attached hereto as Exhibit

B-2 is a description of the area to be served. The applied-for-territory will allow Pennsylvania American to provide public wastewater service two undeveloped residential properties located on the south side of Old Wilmington Road at the intersection with Ash Road, West Caln Township, Chester County. The first property consists of 1.274 acres (Chester County Tax Parcel UPI#28-8-84.3) and is shown as Lot 1 on the subdivision plan. The second property is 9.99 acres in size (Chester County Tax Parcel UPI#28-8-84 and is shown as Lot 2 of Tract "A". The owner of the properties (Glick) is proposing to annex 4.929 acres of Tract A to Lot 1, which will result in an area of 6.203 acres. The remaining area Lot 2, will consist of 5.061 acres. Pennsylvania-American is certificated to serve portions of West Caln Township, Chester County under Docket No. A-230073F0002.

8. No additional capital will be required by the Applicant for the purpose of financing the matters and things involved in this Application.

9. The facilities to be installed within this application territory to serve the two properties will include two separate 1 ¼ inch force main laterals that will connect to the 6" force main located on Old Wilmington Road in West Caln Township, Chester County. The work to be done for each lateral is shown on the attached drawing titled S-31 Forcemain Lateral, and marked Exhibit C. Each dwelling will require the installation of a grinder tank and low volume force main to the existing main. Water service for each of the two properties will be provided by on-site water facilities.

10. To the best of the knowledge of the Applicant, no corporation, partnership, or individual is now furnishing or has corporate or franchise rights to furnish service similar to that to be rendered by Applicant in the Application Territory, and no competitive condition will be created.

#### IV. FINANCIAL AND OTHER RELEVANT INFORMATION

11. There is attached hereto, as Exhibit D, a balance sheet of Pennsylvania-American as of December 31, 2013.

12. There is attached hereto, as Exhibit E, a statement of income and retained earnings of Pennsylvania-American for the 12 months ended December 31, 2013.

13. Pennsylvania-American will charge its then existing Rate Zone 1 rates for service in the Application Territory as set forth in Pennsylvania-American's Tariff. Current Rate Zone 1 rates are shown on Exhibit F, and may be changed from time to time.

14. Furnishing of service in the proposed additional service territory will have no adverse effect upon the service furnished or the rates charged to other customers.

15. The estimated annual revenues and expenses of Pennsylvania-American in the additional territory are set forth in Exhibit G attached hereto.

#### IV. PUBLIC INTEREST

16. It is in the public interest for Pennsylvania-American to provide wastewater service in the proposed service territory because it is financially and technically capable of providing service and because there is a need to make reliable and safe wastewater service available to the two undeveloped residential properties. Letters from West Caln Township Aaron Glick the owner of the properties supporting this application are marked Exhibit H.

17. The cost of the wastewater main installation will be approximately \$5,000 and will be borne by Pennsylvania American Water.

18. Upon approval of the Application, receipt of a certificate of public convenience, and installation of the proposed facilities, Pennsylvania-American will provide

wastewater service to applicant in the applied for area under the Rules and Regulations of Pennsylvania-American's approved tariff.

V. RELIEF REQUESTED

19. Together with its Order approving this Application, Pennsylvania-American requests that the Commission issue a Certificate of Public Convenience pursuant to Section 1102(a) of the Public Utility Code, 66 Pa.C.S. §1102(a), authorizing Pennsylvania-American to furnish wastewater service in a portion of West Caln Township, Chester County described in Exhibit B-1 and depicted in Exhibit B-2 hereto.

WHEREFORE, Pennsylvania-American respectfully requests that the Pennsylvania Public Utility Commission approve this Application and grant the relief requested in Paragraph 19, above.

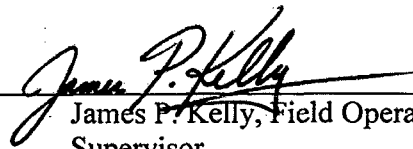
PENNSYLVANIA-AMERICAN WATER COMPANY

By: Seth A. Mendelsohn  
Velma A. Redmond, Esquire  
Susan Simms Marsh, Esquire  
Seth A. Mendelsohn, Esquire  
Counsel for  
Pennsylvania-American Water Company  
800 West Hersheypark Drive  
Hershey, PA 17033  
717-533-5000

Dated: 7/1/2014

**VERIFICATION**

I, JAMES P. KELLY, hereby state that the facts set forth in the Application to extend wastewater service to an additional portion of West Caln Township, Chester County, are true and correct to the best of my knowledge, information and belief. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities).



James P. Kelly, Field Operations  
Supervisor  
Pennsylvania-American Water Company

Date: 6-26-14

## PENNSYLVANIA-AMERICAN WATER COMPANY

Pennsylvania-American Water Company, an investor-owned water company, with corporate offices at 800 West Hershey Park Drive, Hershey, is a subsidiary of American Water Works Company, Inc. On February 1, 1989, the then-existing Pennsylvania-American Water Company (the result of the January 1, 1987 merger of Riverton Consolidated Water Company with and into Keystone Water Company) was merged with and into Western Pennsylvania Water Company, and the name of the surviving corporation was changed to Pennsylvania-American Water Company. A brief summary of each of the three predecessor companies follows.

Riverton Consolidated Water Company was formed by the merger and consolidation of six operating water companies in 1904. It subsequently acquired seven additional systems, and at the time of its merger with Keystone, supplied water to 12 municipalities on the Harrisburg west shore, Cumberland County, and Fairview Township in York County.

Keystone Water Company resulted from the 1973 merger of 14 companies with and into White Deer Mountain Water Company. The Company later acquired four systems. It provided water service in 14 eastern Pennsylvania counties through the following distribution systems: Abington, Bangor, Berwick, Frackville, Hallstead, Hershey/Palmyra, Montrose, Moshannon Valley, Norristown, Northumberland, Susquehanna, Thompson, White Deer (Milton), and Yardley.

Western Pennsylvania Water Company was the product of the merger of 16 water companies with and into South Pittsburgh Water Company at various times from 1970 to 1973. WPW added seven water distribution systems, extending its service territory into portions of 12 western Pennsylvania counties. The company operated through the following district offices: Butler, Clarion, Connellsville, Ellwood, Indiana, Kane, Kittanning, McDonald, Mon Valley, New Castle, Pittsburgh, Punxsutawney, Uniontown, Warren, and Washington.

After the merger of Riverton and Keystone in 1987, the former Pennsylvania-American Water Company purchased five systems: Red Land Water Company in York County, Campbelltown Water Company in Lebanon County, and three systems in the Moshannon Valley area, Clearfield County - Woodland-Bigler Area Authority, Allport Water Authority, and Graham Water Association.

Since the merger of the former Pennsylvania-American Water Company (Riverton and Keystone) into Western Pennsylvania Water Company on February 1, 1989, the Company has acquired the following water and wastewater systems: Smith Township Municipal Authority system (Washington County, February 27, 1989); Abington Township system (Lackawanna County, August 5, 1989); Summit Township Municipal Authority system (Butler County, August 31, 1993); Skyline Water Company (Dauphin County, December 2, 1993); Gregg Township Municipal Authority system (Union County, April 25, 1994); P-F Area Water Association system (Washington County, October 1, 1994); Country Place Water Company, Inc. and Country Place Waste Treatment Company, Inc. (Monroe County, June 30, 1995); Hickory Water Company, Pocono Farms East Water Company, Inc., and Silver Water Company (Monroe and Pike Counties, December 21, 1995); the water utility assets of Pennsylvania Gas and Water Company (Lackawanna, Luzerne, Susquehanna and Wayne Counties, February 16, 1996); the Municipal Authority of the Township of Morris system (Clearfield County, April 24, 1996); Westford Water Company (Dauphin County, August 2, 1996); Clarion Township General Authority (Clarion County, January 28, 1998); Fairview Water Company, National Utilities, Inc.-Pocono Division, and Pocono Mountains Industrial Park Authority (Monroe County, May 7, 1998); Coolbaugh Township-Fire System (Monroe County, July 28, 1998); Greene Valley Water Company (Lackawanna County, August 28, 1998); Franklin Manor Utilities, Ltd. (Washington County, September 22, 1998); Taylor Township (Lawrence County, December 21, 1998); Evansburg Water Company (Montgomery County, December 30, 1998);

Applewold Borough (Armstrong County, March 26, 1999); Cedar Grove Water Association (Washington County, July 8, 1999); Independence Township Municipal Authority (Washington County, July 8, 1999);

Koppel Borough (Beaver County, November 5, 1999); Center Township (Butler County, December 30, 1999); Strattanville Borough (Clarion County, April 6, 2000); Franklin Township Municipal Authority (Beaver County, August 30, 2000); Elk Forest Estates (Wayne County, November 18, 2000); T.O.W. Associates (Butler County, February 13, 2001); City of Coatesville Authority (Chester and Lancaster Counties, March 22, 2001); Fox Knoll Water Company (Chester County, April 26, 2001); Butler Township Area Water and Sewer Authority (Butler County, April 27, 2001); Citizens Utilities Water Company of Pennsylvania (Adams, Berks, Chester, Monroe, Montgomery and Northampton Counties, January 15, 2002); LP Water & Sewer Company (Monroe and Pike Counties, April 3, 2002); Mid-Monroe Water Company (Monroe County, August 23, 2002); West Decatur Authority (Clearfield County, March 31, 2003); Rustic Acres Water Association (Pike County, September 30, 2003); Sandy Ridge Water Authority (Center County, October 14, 2003); Connoquenessing Borough Authority (Butler County, October 23, 2003); Skytop Water Company (Luzerne County, December 3, 2003); Sligo Borough Authority (Clarion County, August 31, 2004); Snowshoe at Mt. Pocono Condominiums, Inc. (Monroe County, February 24, 2005); Shipperville Municipal Authority (Clarion County, March 31, 2005); Blue Mountain Lake Associates, L.P. (Monroe County, October 31, 2005); East Fallowfield Township (Chester County, December 22, 2005); Stillwater Lakes Water Corporation (Monroe County, January 17, 2006); Winona Lakes Utilities, Inc. (Monroe and Pike Counties, January 26, 2006); Saville Rustin Water Company, Inc./Pine Ridge Community Association, Inc. (Pike County, March 29, 2006); Lexington Woods Corporation (Monroe County, July 24, 2006); Community Association of Pocono Farms, Incorporated (Monroe County, July 31, 2006); Redstone Water Company (Fayette and Washington Counties, March 20, 2007); Mountain Top Estates Property Owners Association (Monroe County, May 30, 2008); Claysville-Donegal Joint Municipal Authority (Washington County, July 31, 2008); Three Lane Utilities, Inc. (Pike County, September 10, 2008); Clarion Area Authority (Clarion County, October 30, 2008); Boggs Township (Centre County, September 10, 2009); Amwell Township Water Authority (Washington County, September 23, 2009); Wallaceton Municipal Authority (Clearfield County, October 1, 2009); Saxonburg Area Authority (Butler County, October 28, 2009); Nittany Water Company (Centre and Clinton Counties, February 3, 2010); Sutton Hills Homeowners Association (Luzerne County, May 5, 2010); Birch Acres Water Works, Inc. (Monroe County, December 7, 2010); Helen Norella and Louis & Isabelle Norella (Lackawanna County, October 5, 2011); Wildcat Park Corporation (Schuylkill County, November 17, 2011); Estate of George Spangenberg d/b/a Lake Spangenberg Water Company (Lackawanna County, May 3, 2012); North Fayette County Municipal Authority-Balsinger Public Water System and Springfield Pike Public Water System (Fayette County, October 4, 2012); All Seasons Water Company (Pike County, December 20, 2012); Ha Ra Corporation-Fernwood Community Water System (Monroe County, December 31, 2012); Olwen Heights Water Service Company, Inc. (Lackawanna County, February 4, 2013); Indian Rocks Water Association (Wayne County, March 13, 2013); Koppel Borough (Beaver County, May 31, 2013); Pocono Mountain Lake Forest Community Association (Pike County, July 22, 2013); Clean Treatment Sewage Company (Pike County, August 21, 2013) and Franklin Township Municipal Authority (Adams County, August 29, 2013). On July 2, 1990, Brownsville Water Company (Fayette County) and California Water Company (Washington County) were acquired and merged into the Company. On June 16, 1992, the former Forge Road Acres water system (Cumberland County) was sold to South Middleton Township. On March 24, 2003, Salisbury Water Supply Company (State of Massachusetts) was acquired and merged into the Company.

As a result of the various mergers and acquisitions, the Company furnishes water service to about 641,664 customers in the following municipalities:

All, or portions of, the Townships of Mount Joy, Mount Pleasant and Straban in Adams County;

All, or portions of, the Cities of Clairton and Pittsburgh (16th, 18th, 19th, 20th, 23rd, 29th, 30th, 31st and 32nd Wards), the Boroughs of Baldwin, Bethel Park, Brentwood, Bridgeville, Carnegie, Castle Shannon, Crafton, Dormont, Dravosburg, Elizabeth, Glassport, Greentree, Heidelberg, Homestead, Ingram, Jefferson, Liberty, Lincoln, Mt. Oliver, Munhall, Pleasant Hills, Rosslyn Farms, Thornburg, West Elizabeth, West Homestead, West Mifflin, Whitaker and Whitehall and the Townships of Baldwin, Collier, Elizabeth, Forward, Mt. Lebanon, North Fayette, Robinson, Scott, South Fayette, South Park and Upper St. Clair in Allegheny County;

All, or portions of, the Boroughs of Applewold and Kittanning and the Townships of Manor and Rayburn in Armstrong County;

All, or portions of, the Boroughs of Big Beaver, Ellwood City, Frankfort Springs and Koppel and the Townships of Franklin, Hanover and North Sewickly in Beaver County;

All, or portions of, the Boroughs of Sinking Spring, St. Lawrence, West Lawn<sup>3</sup> and Wyomissing<sup>2</sup> and the Townships of Amity, Cumru, Earl, Exeter, Lower Heidelberg, Ruscombmanor, South Heidelberg and Spring in Berks County;

All, or portions of, the Borough of Yardley and the Townships of Falls and Lower Makefield in Bucks County;

All, or portions of, the City of Butler, the Boroughs of Connoquenessing, East Butler and Saxonburg and the Townships of Butler, Center, Clinton, Connoquenessing, Donegal, Forward, Franklin, Jackson, Jefferson, Lancaster, Oakland, Penn and Summit in Butler County;

All, or portions of, the Boroughs of Philipsburg and South Philipsburg and the Townships of Boggs, Rush and Walker in Centre County;

All, or portions of, the City of Coatesville, the Boroughs of Atglen, Parkesburg, South Coatesville and Spring City and the Townships of Caln, East Coventry, East Fallowfield, East Pikeland, East Vincent, Highland, Sadsbury, Schuylkill, Valley, West Caln, West Sadsbury and West Vincent in Chester County;

All, or portions of, the Boroughs of Clarion, Shippenville, Sligo and Strattanville and the Townships of Clarion, Elk, Farmington, Highland, Knox, Limestone, Monroe, Paint and Piney in Clarion County;

All, or portions of, the Boroughs of Chester Hill, Osceola Mills and Wallaceton and the Townships of Boggs, Bradford, Decatur, Graham and Morris in Clearfield County;

All, or portions of, the Township of Porter in Clinton County;

All, or portions of, the Boroughs of Berwick and Briar Creek and the Township of Briar Creek in Columbia County;

All, or portions of, the Boroughs of Camp Hill, Lemoyne, New Cumberland, Shiremanstown, West Fairview<sup>1</sup> and Wormleysburg and the Townships of East Pennsboro, Hampden,

Lower Allen, Silver Spring and Upper Allen in Cumberland County;

All, or portions of, the Townships of Conewago, Derry, Londonderry, South Hanover and West Hanover in Dauphin County;

All, or portions of, the Cities of Connellsville and Uniontown, the Boroughs of Brownsville and

South Connellsville and the Townships of Brownsville, Bullskin, Connellsville, Dunbar, German, Jefferson, Luzerne, Menallen, North Union, Redstone and South Union in Fayette County;

All, or portions of, the Borough of Indiana and the Township of White in Indiana County;

All, or portions of, the Boroughs of Big Run and Punxsutawney and the Townships of Bell, Gaskill, Henderson, McCalmont and Young in Jefferson County;

All, or portions of, the Cities of Carbondale and Scranton, the Boroughs of Archbald, Blakely, Clarks Green, Clarks Summit, Dalton, Dickson City, Dunmore, Jermyn, Jessup, Mayfield, Moosic, Old Forge, Olyphant, Taylor, Throop and Vandling and the Townships of Abington, Carbondale, Fell, Glenburn, Jefferson, North Abington, Roaring Brook, Scott and South Abington in Lackawanna County;

All, or portions of, the Borough of Quarryville and the Townships of Bart, Colerain, Eden and Sadsbury in Lancaster County;

All, or portions of, the City of New Castle; the Boroughs of Ellport, Ellwood City, New Beaver and South New Castle and the Townships of Hickory, Mahoning, Neshannock, North Beaver, Perry, Shenango, Taylor, Union and Wayne in Lawrence County;

All, or portions of, the Borough of Palmyra and the Townships of Annville, North Annville, North Londonderry, South Annville and South Londonderry in Lebanon County;

All, or portions of, the Cities of Nanticoke, Pittston and Wilkes-Barre, the Boroughs of Ashley, Avoca, Courtdale, Dallas, Dupont, Duryea, Edwardsville, Exeter, Forty Fort, Hughestown, Kingston, Laffin, Larksville, Laurel Run, Luzerne, Nescopeck, Plymouth, Pringle, Shickshinny, Sugar Notch, Swoyersville, Warrior Run, West Pittston, West Wyoming, Wyoming and Yatesville and the Townships of Conyngham, Fairview, Hanover, Hunlock, Jackson, Jenkins, Kingston, Newport, Pittston, Plains, Plymouth, Rice, Salem, Union, Wilkes-Barre and Wright in Luzerne County;

All, or portions of, the Borough of Kane and the Township of Wetmore in McKean County;

All, or portions of, the Borough of Mount Pocono and the Townships of Coolbaugh, Hamilton, Middle Smithfield, Ross, Smithfield and Stroud in Monroe County;

All, or portions of, the Boroughs of Bridgeport, Norristown and Royersford and the Townships of East Norriton, Limerick, Lower Pottsgrove, Lower Providence, Perkiomen, Plymouth, Skippack, Upper Merion, Upper Providence, West Norriton, Whitemarsh, Whitpain and Worcester in Montgomery County;

All, or portions of, the Boroughs of Bangor, Belfast, Nazareth, Pen Argyl, Roseto, Stockertown, Tatamy and Wind Gap and the Townships of Bushkill, Forks, Lower Nazareth, Palmer, Plainfield, Upper Mt. Bethel, Upper Nazareth and Washington in Northampton County;

All, or portions of, the Boroughs of Milton, Northumberland and Watsonstown and the Townships of Delaware, East Chillisquaque, Point, Turbot, Upper Augusta and West Chillisquaque in Northumberland County;

Portions of the Townships of Delaware, Lehman and Westfall in Pike County;

All, or portions of, the Borough of Frackville and the Townships of Butler, Mahanoy, New Castle, Walker and West Mahanoy in Schuylkill County;

All, or portions of, the Boroughs of Forest City, Great Bend, Hallstead, Lanesboro, Montrose, Susquehanna and Thompson and the Townships of Bridgewater, Great Bend, Harmony and Oakland in Susquehanna County;

All, or portions of, the Borough of Lewisburg and the Townships of Buffalo, East Buffalo, Gregg, Kelly and White Deer in Union County;

All, or portions of, the City of Warren and the Townships of Conewango, Glade, Meade, and Pleasant in Warren County;

All, or portions of, the Cities of Monongahela and Washington and the Boroughs of Burgettstown, California, Canonsburg, Claysville, Coal Center, East Washington, Finleyville, Houston, McDonald, Midway, New Eagle, West Brownsville and West Middletown and the Townships of Amwell, Buffalo, Canton, Carroll, Cecil, Chartiers, Cross Creek, Donegal, East Finley, Fallowfield, Hanover, Hopewell, Independence, Jefferson, Morris, Mount Pleasant, North Franklin, North Strabane, Nottingham, Peters, Robinson, Smith, Somerset, South Franklin, South Strabane, Union and West Pike Run in Washington County;

Portions of the Townships of Clinton and Salem in Wayne County; and

All, or portions of, the Townships of Fairview and Newberry in York County.

As a result of acquisitions, the Company furnishes wastewater service to about 18,064 customers in the following municipalities:

Portions of the Township of Franklin, Adams County;

All of the Borough of Koppel in Beaver County;

All, or portions of, the City of Coatesville, the Boroughs of Parkesburg and South Coatesville and the Townships of Caln, East Fallowfield, Highland, Sadsbury, Valley, West Caln and West Sadsbury in Chester County;

All, or portions of, the Borough of Clarion and the Townships of Clarion and Monroe in Clarion County;

Portions of the Townships of Coolbaugh, Middle Smithfield, Smithfield and Stroud in Monroe County;

Portions of the Townships of Delaware and Lehman in Pike County; and

All, or portions of, the Borough of Claysville and the Township of Donegal in Washington County.

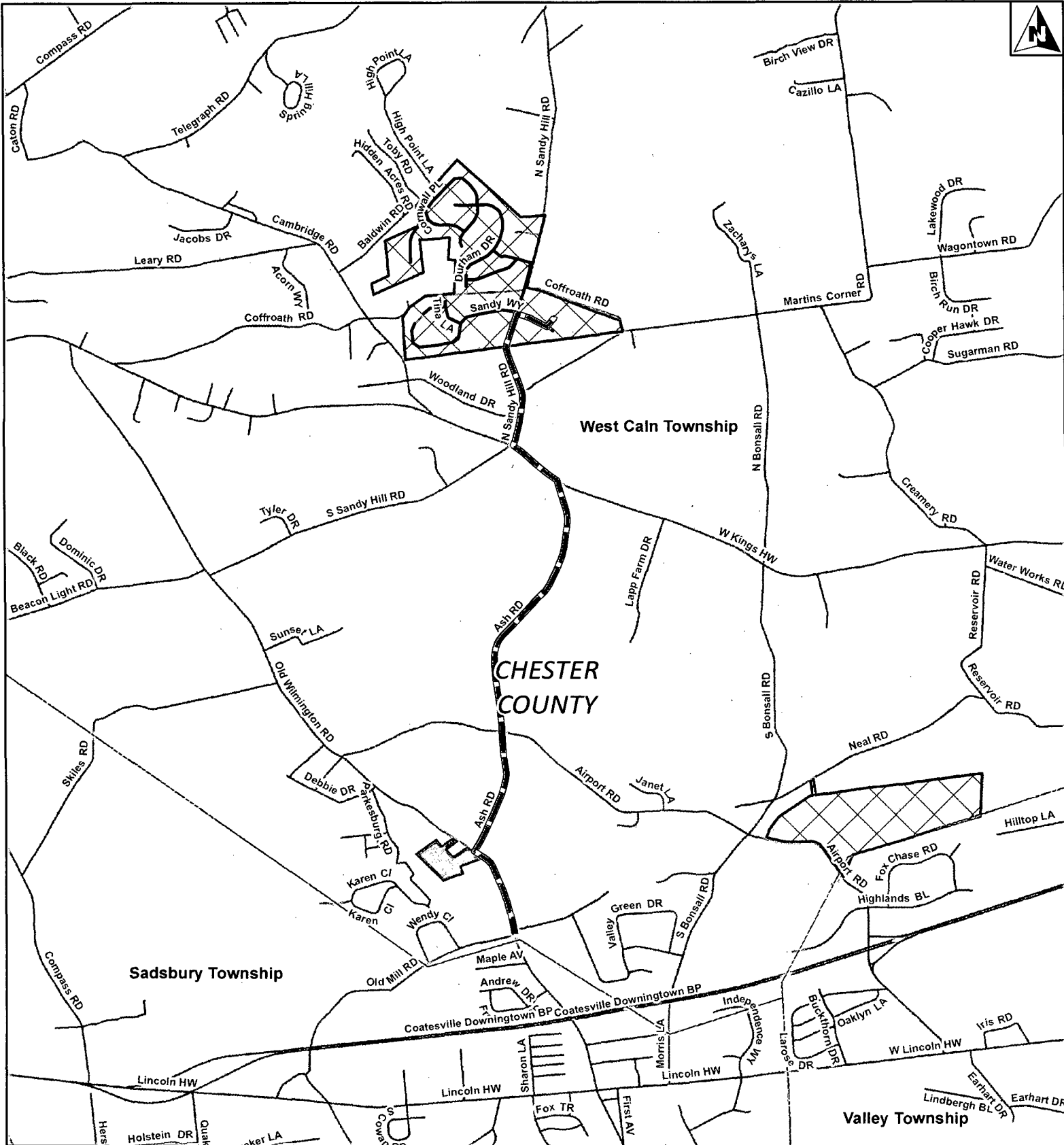
<sup>1</sup> West Fairview Borough was merged into East Pennsboro Township in 1998.

<sup>2</sup> Wyomissing Hills was merged into Wyomissing Borough in 2002.

<sup>3</sup> West Lawn was merged into Spring Township in 2006.

[399 municipalities in 36 counties.]

01/31/2014



**Pennsylvania American Water Company  
Coatesville Operating Area  
Proposed Service Area - Coatesville Sewage System  
West Cain Township, Chester County**

**AMERICAN WATER**

Pennsylvania American Water  
800 West Hersheypark Drive  
Hershey, PA 17033

Created by: JTC  
Date: 7/11

	Force Main
	Gravity Main
	Pennsylvania American Water WW Franchise Area
	Site Location
	Municipality

1 Inch = 2,500 Feet

0      1,250      2,500  
Feet

TO BE USED FOR REFERENCE ONLY  
Although every effort has been made to ensure the accuracy of the information, errors and conditions originating from physical sources to develop the service area may be reflected in the data supplied.

**Exhibit B-1**

Narrative Description of the  
Preliminary/Final Plan for Aaron E. Glick, Jr.  
in West Caln Township, Chester County

Aaron E. Glick, Jr and Barbara E. Glick are the owners of two undeveloped properties located along the south side of Pennsylvania State Highway SR 4001, Old Wilmington Road at its intersection with Township Route No. T-364, Ash Road. The first property is 1.274 acres in size and is Chester County Tax Parcel UPI # 28-8-84.3 and shown as Lot 1 on the subdivision plan. The second property is 9.99 acres in size and is Chester County Tax Parcel UPI # 28-8-84 and is shown as Lot 2 and Tract 'A'.

Mr. and Mrs. Glick are proposing to annex 4.929 acres (Tract 'A') to Lot 1. The resultant area of the combined Lot 1 and Tract 'A' will be 6.203 acres. The remaining area, Lot 2, will be 5.061 acres.

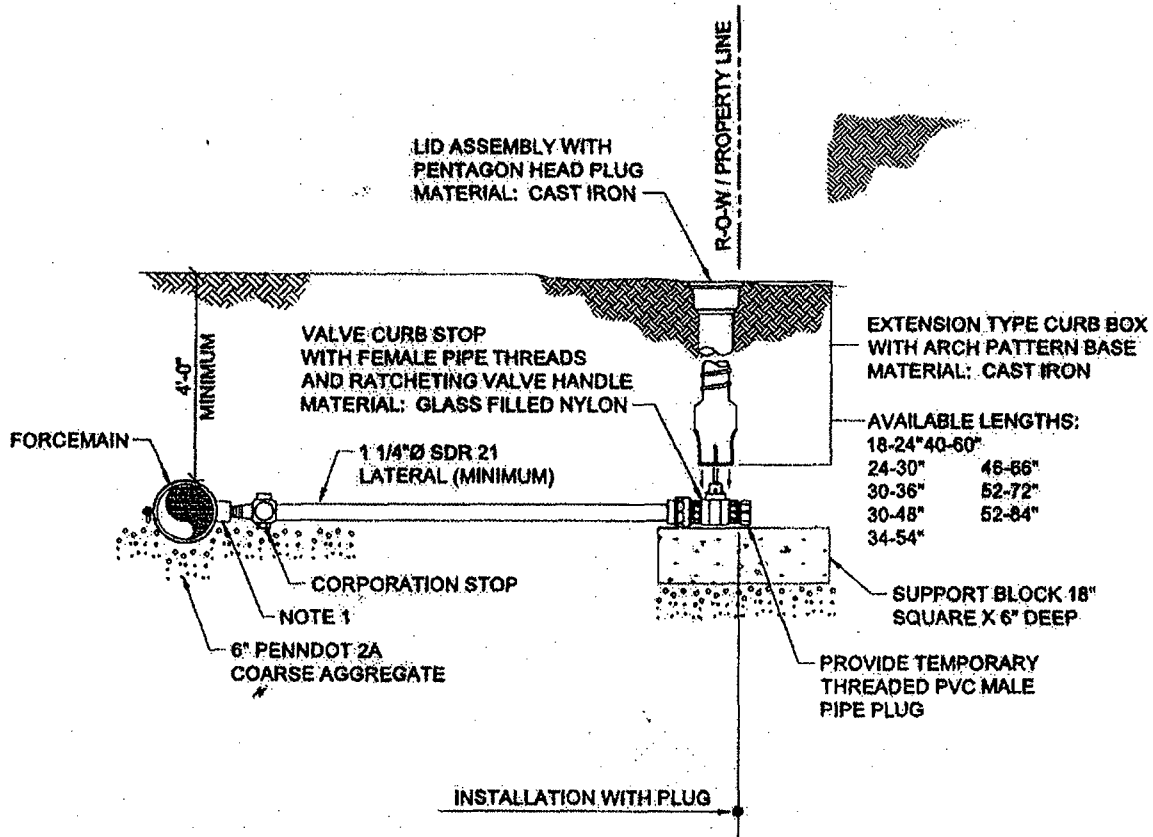
Each property will be served by on-site water facilities and connect to the public sewage system located in Old Wilmington Road. Each dwelling will require the installation of a grinder tank and low volume force main to connect to the existing force main in Old Wilmington Road.

Access to the properties is proposed via a shared driveway opposite Ash Road to minimize the number of access onto Old Wilmington Road.

# DRAWING NOTES:

1. FOR CONNECTION TO EXISTING FORCEMAIN PROVIDE WET SADDLE TAP.

FOR CONNECTION TO NEW FORCEMAIN PROVIDE SANITARY PRESSURE WYE FITTING AND 45° BEND ON LATERAL.



**ENTECH**  
 Entech Engineering Inc.  
 4 S. Fourth Street  
 Reading, PA 19602  
 Pottsville, PA  
 p/c 570.628.5635  
 m/c 610.373.6637  
 f/c 610.373.7537  
 www.entechny.com



**PA AMERICAN WATER COMPANY**  
**FORCEMAIN LATERAL**

DATE:	01/08/09
PREPARED BY:	BAM
CHECKED BY:	BB
APPROVED BY:	BAC
SCALE:	NONE
PROJECT NO.:	E212.00
DRAWING NO.:	

**S-31**

Pennsylvania-American Water Company, Inc.  
Condensed Balance Sheet  
December 31, 2013 (Unaudited)  
(Dollars in thousands)

	December 31, 2013 (Unaudited)
<b>Property, plant and equipment</b>	
Utility plant - at original cost less accumulated depreciation	\$3,104,247
Utility plant acquisition adjustments, net	\$14,531
Total Non-Utility Plant, net	\$235
Construction Work in Progress	\$44,795
<b>Total property plant and equipment</b>	<u>\$3,163,808</u>
<b>Current assets</b>	
Cash and cash equivalents	(\$1,377)
Accounts receivable:	
Billed, net of allowance for doubtful accounts	\$42,701
Unbilled	\$36,111
Other current assets	\$10,366
<b>Total current assets</b>	<u>\$87,801</u>
<b>Long-term assets</b>	
Regulatory assets	\$182,074
Goodwill	\$39,782
Other	\$553
<b>Total long-term assets</b>	<u>\$222,409</u>
<b>Total assets</b>	<b>\$3,474,018</b>
<b>Capitalization and Liabilities</b>	
	December 31, 2013 (Unaudited)
<b>Capitalization</b>	
Stockholder's equity:	
Common stock	\$21,507
Paid-in capital	\$719,496
Retained earnings	\$428,388
<b>Total stockholder's equity</b>	<u>\$1,169,391</u>
Long-term debt	\$1,147,870
Preferred stock without mandatory redemption requirements	\$0
Preferred stock with mandatory redemption requirements	\$10,051
<b>Total capitalization</b>	<u>\$2,327,312</u>
<b>Current liabilities</b>	
Notes payable - associated companies	
Short-term debt	\$63,046
Current portion of long-term debt	\$3,917
Other	\$120,037
<b>Total current liabilities</b>	<u>\$187,000</u>
<b>Long-term liabilities</b>	
Deferred income taxes	\$694,084
Other	\$137,774
<b>Total long-term liabilities</b>	<u>\$831,858</u>
<b>Contributions in aid of construction</b>	<b>\$127,848</b>
<b>Total capitalization and liabilities</b>	<b>\$3,474,018</b>

**Exhibit D**

Pennsylvania-American Water Company, Inc.  
Consolidated Condensed Statement of Income  
For period ending December 31, 2013 (Unaudited)  
(Dollars in thousands)

	Period Ending December 31, 2013
<b>Operating revenues</b>	<b><u>\$556,222</u></b>
<b>Operating expenses</b>	
Operation and maintenance	\$211,619
Depreciation and amortization	\$78,163
General taxes	\$13,285
<b>Total Operating Expenses</b>	<b><u>\$303,067</u></b>
<b>Operating income</b>	<b><u>\$253,155</u></b>
<b>Other income (deductions)</b>	
Other income, net	(\$294)
Interest expense, net	\$37,321
	<b><u>\$37,027</u></b>
<b>Income before income taxes</b>	<b><u>\$216,128</u></b>
<b>Provision for income taxes</b>	<b><u>\$78,447</u></b>
<b>Net income</b>	<b><u>\$137,681</u></b>
<b>Dividends on preferred stock</b>	<b><u>\$77</u></b>
<b>Income to common stock</b>	<b><u>\$137,604</u></b>

Pennsylvania-American Water Company

E. Special Rate Charges (Coatesville Only)

1. Bulk Metered Usage  
Caln Township, Sadsbury Township, Valley Township, V.A. Hospital  
and West Brandywine Township - One Monthly Service Charge Per  
Customer of \$250.00 in addition to \$.8664 per 100 gallons of  
metered water usage.
2. Mittal Steel and Victory Brewing Company- Monthly Service Charge  
of \$250.00 in addition to \$.8528 per 100 gallons of metered  
water usage.

**Unmetered Charges** -This charge is a flat rate fee for customers not  
metered for water consumption.

Residential \*\*\*      \$58.50 per month, per EDU (D)

Commercial            \$58.50 per month, per EDU (D)

\*\*\* As set forth in Page 4F, Residential Rates are subject to a  
15% discount for qualifying low income customers.

PART I:

RATES FOR RATE ZONE 1 - The rates as set forth below will be in effect for all Coatesville, Claysville and Clean Treatment wastewater customers. (C)

Metered Charges (Based on Water Usage or Sewage Flows, determined at PAWC's discretion)

All metered customers shall be subject to a monthly service per equivalent dwelling unit (EDU).

A. Residential \*\*\*

Service Charge per month: \$ 7.50  
Usage Charge per 100 gallons \$1.2880 (D)

B. Commercial

Service Charge per month: \$20.00  
  
Service Charge per month Coatesville only:  
5/8" meter \$ 7.50  
3/4" - 1 1/2" meter \$10.00  
2" meter and up \$20.00  
  
Usage Charge per 100 gallons \$1.1194 (D)

C. Industrial

Service Charge per month: \$20.00  
  
Usage Charge per 100 gallons \$1.1194

D. Municipal

Service Charge per month: \$20.00  
  
Usage Charge per 100 gallons \$1.1194

**Estimated Annual Revenue and Expense  
in Application Territory**

**Wastewater**

Estimated Annual Revenue

2 Residential Customers flat rate @ \$117.00	\$1,404.00
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Estimated Annual Expenses

2 Residential Customers	\$320.00
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Net	\$1,083.05
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**EXHIBIT G**

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**FRY SURVEYING, INC.**  
SURVEYORS & PLANNERS

June 12, 2014

James Kelly  
Field Operations Supervisor  
Pennsylvania American Water  
Coatesville District  
100 Cheshire Court  
Suite 104  
Coatesville, Pa. 19320

Re: Aaron E. Glick, Jr. Subdivision in  
West Caln Township, Chester County

Dear Mr. Kelly:

On behalf of Aaron E. Glick, Jr., I am requesting the properties located along Old Wilmington Road owned by Aaron E. Glick, Jr. be permitted to connect to the existing sewer main owned and operated by Pennsylvania American Water.

Mr. Glick is the owner of two (2) properties located on the south side of Old Wilmington Road at its intersection with Ash Road. There is one (1) connection to the main proposed by each property. The UPI numbers of the properties are 28-8-84 and 28-8-84.3.

The plan proposes construction of a single family detached dwelling for each lot.

If you have questions or comments please call and thank you for your continued support in this matter.

Sincerely,

  
Roger A. Fry, PLS

**Exhibit H**

21 South Hershey Avenue  
Leola, Pennsylvania 17540  
www.frysurveying.com

Tel (717) 656-3731  
(717) 656-6888  
Fax (717) 656-8448

**WEST CALN TOWNSHIP  
BOARD OF SUPERVISORS  
CHESTER COUNTY**

**721 West Kings Highway  
P.O. Box 175  
Wagontown, Pa. 19376**

**Phone: 610 384-5643  
Fax: 610 384-9035**

June 9, 2014

Pennsylvania American Water Company  
PAW-Southeast Region  
4 Shillington Blvd.  
Wyomissing, Pa. 19610

Re: Aaron Glick Subdivision, Old Wilmington Rd.


Gentlemen:

Please consider confirmation that West Caln Township is in support of an amendment to the Pennsylvania American Water sewer franchise area to include the Aaron Glick Subdivision, located on Old Wilmington Rd. as shown on the attached map.

You are authorized to include this letter with any application the Pennsylvania American Water Company may be required to file with the Pennsylvania Public Utility Commission to extend sewer service to the above captioned project. This action was taken at a meeting of West Caln Township Board of Supervisors on Monday June 9, 2014.

If you have any questions or comments, please feel free to contact me.

Sincerely,

  
Gary L. Dunlap  
Manager/Secretary  
West Caln Township

GLD/

**APPLICATION OF PAWC FOR APPROVAL TO OFFER,  
RENDER, FURNISH OR SUPPLY WASTEWATER SERVICE  
TO THE PUBLIC IN AN ADDITIONAL PORTION OF WEST  
CALN TOWNSHIP, CHESTER COUNTY, PA**

**(1398 AIRPORT ROAD)**

**DOCKET NO. A-2015-2507969**

**ORDER ENTERED DECEMBER 22, 2016**

**PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA 17105-3265**

Public Meeting held December 22, 2016

**Commissioners Present:**

Gladys M. Brown, Chairman  
Andrew G. Place, Vice Chairman  
John F. Coleman, Jr.  
Robert F. Powelson  
David W. Sweet

Application of the Pennsylvania-American  
Water Company – Wastewater Division for  
approval of the right to offer, render, furnish or  
supply wastewater service to the public in an  
additional portion of West Caln Township,  
Chester County, Pennsylvania

A-2015-2507969

**ORDER**

**BY THE COMMISSION:**

By the application (Application) filed on October 13, 2015, Pennsylvania-American Water Company – Wastewater Division (PAWC-WD), utility code 230073, 800 West Hersheypark Drive, Hershey, Pennsylvania 17033, seeks a certificate of public convenience pursuant to Section 1102(a)(1)(i) of the Public Utility Code, 66 Pa. C.S. § 1102(a)(1)(i), evidencing Commission approval of the Applicant's right to offer, render, furnish or supply wastewater service to the public in an additional portion of West Caln Township, Chester County, Pennsylvania.

## **I. BACKGROUND INFORMATION**

PAWC-WD submitted proofs of publication and service to appropriate entities. In addition, notice of the Application was published in the *Pennsylvania Bulletin*, 45 Pa.B. 6387, on Saturday, October 24, 2015. The protest period ended November 9, 2015. No protests were filed and no hearings held.

PAWC-WD is a regulated public utility corporation, duly organized and existing under the laws of the Commonwealth of Pennsylvania, and is currently engaged in the business of collecting, treating, transporting and disposing wastewater for the public. PAWC-WD provides wastewater service to approximately 17,425 customers across the Commonwealth that includes customers in West Caln Township, Chester County. PAWC-WD's parent company, Pennsylvania-American Water Company (PAWC), utility code 21285, furnishes water service in certificated service territories encompassing portions of 36 counties across the state. As of August 31, 2015, PAWC provided water service to approximately 650,937 customers.

## **II. LOCATION AND DESCRIPTION OF PROPOSED TERRITORY**

The Application contained a proposed wastewater service territory map and boundary description for service in an additional portion of West Caln Township, Chester County marked as Exhibit B-1. PAWC-WD subsequently amended the Application's requested service territory map on April 20, 2016. PAWC-WD's requested additional territory area is approximately 6 acres and consists of one residential parcel of land located on the southeast corner of Ash and Airport Roads.

According to the Application, the subject property currently contains an existing frame residential building as well as a mobile home. Both the building and the mobile home are connected to the same septic system which is not working

properly. PAWC-WD states that the property owner intends to demolish the existing frame building and construct a new single family home which would be connected to PAWC-WD's existing sanitary sewer system located in Ash Road. The property owner plans to reside in the mobile home while the existing house is demolished and the new home is being built. Once the new home is completed, the mobile home will be removed and the existing septic system will be abandoned. The subject property's existing dwellings utilize an on-lot well for water service.

The Application contained a copy of a letter from the subject property owner requesting wastewater service from PAWC-WD marked as Exhibit J. The resident is requesting wastewater service because it will be less expensive to connect to PAWC-WD's sanitary sewer system than it will be to construct a replacement on-lot septic system at an estimated cost of \$20,000. The street address of the existing residential building is 1398 Airport Road while the mobile home's is 412 Ash Road. PAWC-WD states the customer service address for the new home will be 1398 Airport Road.

### **III. FACILITIES FOR FURNISHING SERVICE**

PAWC-WD is already certified to serve portions of West Caln Township, Chester County. PAWC-WD stated that it has a 6-inch diameter sanitary sewer force main in Ash Road that conveys wastewater, as part of a pressure sewage collection system, approximately 3 miles from its Sandy Hill lift station to Sadsbury Township's sanitary sewer system. Flow from the Sandy Hill lift station is ultimately treated at PAWC-WD's Coatesville Wastewater Treatment Plant (WWTP).

According to PAWC-WD, the facilities to be installed to provide wastewater service to the subject property will include a 1¼-inch diameter SDR 21 plastic force main lateral that will connect to the PAWC-WD's existing 6-inch diameter sanitary

sewer force main in Ash Road. A detail depicting the proposed force main lateral connection was attached to the Application marked as Exhibit D. PAWC-WD stated that the installation of the force main lateral connection will be completed within one year of the Commission's approval. According to PAWC-WD's current wastewater tariff, the property owner will be responsible for installing, owning, operating, maintaining a grinder pump and holding tank in order to connect to PAWC-WD's pressure sewage collection system.

#### **IV. PERMITS REQUIRED**

PAWC-WD stated the proposed sewer lateral force main connection for the new home at 1398 Airport Road will require a road opening permit from West Caln Township.

#### **V. ADDITIONAL CAPITAL REQUIREMENTS**

The cost of the sanitary sewer lateral force main connection will be approximately \$6,000 and will be borne by PAWC-WD. No additional capital will be required of PAWC-WD.

#### **VI. PROPOSED RATES**

PAWC-WD states it will charge its existing Rate Zone 1 residential rate for service in the proposed additional territory as set forth in its effective wastewater tariff. The estimated revenue for one unmetered residential customer in the proposed additional territory is \$58.50 per month or \$702 annually. PAWC-WD estimates its annual expenses for the additional territory will be about \$321 providing annual net revenue of about \$381.

## **VII. ACT 537 OFFICIAL SEWAGE FACILITIES PLAN COMPLIANCE**

The Application contained a copy of a letter from the Pennsylvania Department of Environmental Protection (DEP) marked as Exhibit K and dated August 4, 2015, indicating the proposed development to demolish an existing dwelling and construct a new single-family dwelling at 412 Ash Road does not meet the definition of a subdivision under the Pennsylvania Sewage Facilities Act and does not require the submission of sewage facilities planning modules.

While a draft revision and update to West Caln Township's Act 537 Official Sewage Facilities Plan (Act 537 Plan) dated January 25, 2011, depicts PAWC-WD's requested additional territory in an area proposed for public sewer, West Caln Township's DEP-approved Act 537 Plan does not. The Commission discussed the issue with DEP's Southeast Regional Office staff and DEP subsequently provided a clarification memorandum to the Commission dated August 2, 2016, stating that DEP approved an Act 537 Plan for West Caln Township as part of the PAWC-WD Coatesville District by letter dated November 19, 2009. In its Act 537 Plan approval letter, DEP noted that West Caln Township is one of the several tributary municipalities that are required to conduct further Act 537 planning before West Caln Township can avail itself to the expanded capacity in PAWC-WD's Coatesville WWTP. However, DEP indicated the approved Act 537 Plan acknowledged that projects could obtain capacity on a first-come basis as part of the DEP planning module or exemption process. In addition, the Act 537 Plan committed to the continued use of the PAWC-WD Chapter 94 Connection Management Plan for the control and accounting of connections and associated treatment capacity. As such, DEP states its planning module waiver to be equivalent of including the subject property in the public sewer service area of West Caln Township's approved Act 537 Plan.

## **VIII. LAND-USE PLANNING COMPLIANCE**

The Application contained a copy of two letters from West Caln Township's Manager/Secretary. The first letter marked as Exhibit I and dated August 17, 2015, supports the Application. The second letter, marked as Exhibit L and dated October 5, 2015, indicates the Application is consistent with West Caln Township's comprehensive plan and zoning ordinances.

The Application also contained a copy of an e-mail from the Chester County Health Department (CCHD), marked as Exhibit C and dated August 27, 2015, providing evidence that CCHD has no objections to the property owner at 412 Ash Road utilizing the existing septic system for the temporary mobile home until a connection is made to the public sanitary sewer system.

## **IX. OTHER CONSIDERATIONS**

PAWC-WD states that to the best of its knowledge no corporation, partnership or individual is currently furnishing, or has corporate or franchise rights to furnish service similar to that which will be rendered by PAWC-WD in the requested territory, and no competitive condition will be created. PAWC-WD avers that it is in the public interest for it to provide wastewater service in the proposed service territory because it is financially and technically capable of providing service and because there is a need to make reliable and safe wastewater service available to the residential property. PAWC-WD also states that furnishing service in the proposed additional territory will have no adverse effect upon the service furnished or the rates charged to other customers.

PAWC-WD is current with its annual and quarterly earnings and the security planning and readiness report filing requirements. Also, PAWC-WD has no outstanding fines or assessments due to the Commission.

## **X. CONCLUSION**

Based upon the facts that there is a need to make safe and reliable wastewater service available to the proposed residential development and that PAWC-WD is fit to provide service, the Commission finds that the granting of PAWC-WD's application for an extension service territory is in the public interest; **THEREFORE,**

### **IT IS ORDERED:**

1. That the Application of Pennsylvania-American Water Company – Wastewater Division at Docket No. A-2015-2507969, as amended, is hereby approved.

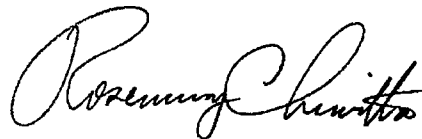
2. That a Certificate of Public Convenience shall be issued pursuant to 66 Pa. C.S. Section 1102(a)(1)(i) of the Public Utility Code, authorizing Pennsylvania-American Water Company – Wastewater Division to begin to offer, render, furnish or supply wastewater service to the public in an additional portion of West Caln Township, Chester County consistent with this Order.

3. That nothing herein shall be construed as an approval or determination of costs or expenses for the purpose of just or reasonable rates or to exempt Pennsylvania-American Water Company – Wastewater Division from obtaining all necessary permits, licenses, and approvals from other federal, state, and local government agencies having jurisdiction.

4. That a copy of this Order be served upon Pennsylvania-American Water Company – Wastewater Division, Chester County Commissioners, Chester County

Planning Commission, West Caln Township Board of Supervisors, West Caln Township Planning Commission, the Pennsylvania Public Utility Commission's Bureau of Investigation and Enforcement, the Office of Consumer Advocate, the Office of Small Business Advocate and the Department of Environmental Protection – Southeast Regional Office and its Bureau of Regulatory Counsel.

**BY THE COMMISSION,**

A handwritten signature in cursive script, appearing to read "Rosemary Chiavetta".

Rosemary Chiavetta  
Secretary

(SEAL)

ORDER ADOPTED: December 22, 2016

ORDER ENTERED: December 22, 2016

# PENNSYLVANIA PUBLIC UTILITY COMMISSION

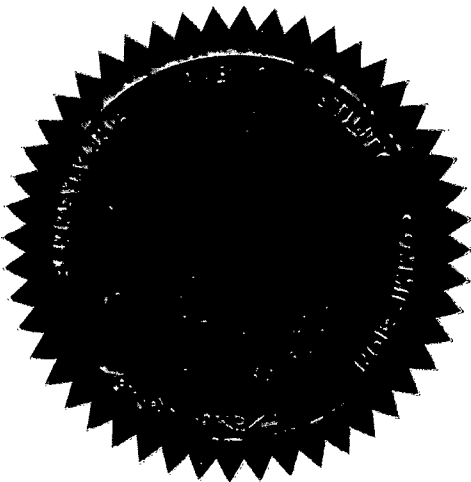
IN THE MATTER OF THE APPLICATION OF: A-2015-2507969

Application of the Pennsylvania-American Water Company – Wastewater Division for approval of the right to offer, render, furnish or supply wastewater service to the public in an additional portion of West Caln Township, Chester County, Pennsylvania

EFFECTIVE DATE: December 22, 2016

The Pennsylvania Public Utility Commission hereby certifies that after an investigation and/or hearing, it has, by its report and order made and entered, found and determined that the granting of the application is necessary or proper for the service, accommodation, convenience and safety of the public and hereby issues to the applicant this **CERTIFICATE OF PUBLIC CONVENIENCE** evidencing the Commission's approval.

In Witness Whereof, The PENNSYLVANIA PUBLIC UTILITY COMMISSION has caused these presents to be signed and sealed, and duly attested by its Secretary at its office in the city of Harrisburg this 22<sup>nd</sup> day of December, 2016.



*Rosemary Chivetta*  
Secretary

BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION

**In re: Application of Pennsylvania-American Water Company for approval of the right to offer, render, furnish or supply wastewater service to the public in an additional portion of West Caln Township, Chester County, Pennsylvania**

Application No. \_\_\_\_\_

To Pennsylvania Public Utility Commission:

I. INTRODUCTION

1. Pennsylvania-American Water Company ("Pennsylvania-American" or "Applicant") hereby requests that the Pennsylvania Public Utility Commission ("Commission") issue a certificate of public convenience evidencing its approval under Section 1102(a) of the Public Utility Code, 66 Pa.C.S. § 1102(a), of the Applicant's offering, rendering, furnishing or supplying of wastewater service in an additional portion of West Caln Township, Chester County, Pennsylvania.

2. This Application is being filed to extend wastewater service to the public in the proposed service territory in a portion of West Caln Township, Chester County, Pennsylvania.

3. The name and address of Applicant is:

Pennsylvania-American Water Company  
("Pennsylvania-American")  
800 West Hersheypark Drive  
Hershey, PA 17033

4. The names and address of the Applicant's attorneys are:

Andrew L. Swope, Esquire  
Susan Simms Marsh, Esquire  
Pennsylvania-American Water Company  
800 West Hersheypark Drive  
Hershey, PA 17033

## II. DESCRIPTION OF THE APPLICANT

5. Pennsylvania-American is a corporation organized and existing under the laws of the Commonwealth of Pennsylvania and is a wholly owned subsidiary of the American Water Works Company, Inc. ("AWW"). Pennsylvania-American furnishes water service in a certificated service territory encompassing portions of 36 counties across the Commonwealth. As of August 31, 2015, Pennsylvania-American provided water service to approximately 650,937 customers in the following classifications:

Residential:	598,580
Commercial:	44,993
Industrial:	521
Municipal, Resale and Other:	2,467
Fire Protection:	4,371

In addition, Pennsylvania-American furnishes wastewater service to approximately 17,425 customers.

6. Attached hereto as Exhibit A is pertinent information with respect to the corporate history, authority, and service territory of Pennsylvania-American.

## III. THE PROPOSED ADDITIONAL SERVICE TERRITORY

7. As indicated at paragraph 2 above, the proposed additional service territory is located in a portion of West Caln Township, Chester County, Pennsylvania. Attached hereto as Exhibit B-1 is a map showing the boundaries of the area and attached hereto

as Exhibit B-2 is a description of the area to be served. The applied-for-territory will allow Pennsylvania American to provide public wastewater service to one residential property located at the corner of Ash Road and 1398 Airport Road, West Caln Township, Chester County. The address of 1398 Airport Road, Coatesville, PA will be the service address for this customer. The property consists of approximately 6.3 acres (Chester County Tax Parcel UPI#28-8-76). Pennsylvania-American is certificated to serve portions of West Caln Township, Chester County under Docket No. A-230073F0002. Currently there is an existing frame residential structure and a mobile home on the property, both are connected to the same septic system which is an on-lot cistern and is not working properly. The customer intends to demolish the existing frame home and construct a new home which would be connected to PAW's sewer system via a 1 ¼" force main lateral that will connect to the existing 6" main located on Ash Road in West Caln Township. While the customer/property owner is building his new home, he will reside in the mobile home using the existing on-lot septic system. Once the new home is completed the mobile home will be removed and the current septic system abandoned. The property owner will be responsible for and comply with all Township or DEP regulations concerning the abandonment of the current on-lot septic system. Attached as Exhibit C is a document from the Chester County Health Department indicating that it has no objections to the temporary use of the on-lot system for this purpose.

8. No additional capital will be required by the Applicant for the purpose of financing the matters and things involved in this Application.

9. The facilities to be installed within this application territory to serve the property will include a 1 ¼" force main lateral that will connect to the existing 6" sewer main located on Ash Road in West Caln Township, Chester County. The work to be done for the

lateral is shown on the attached drawing titled S-31 Force Main Lateral Connection, and marked Exhibit D. It is anticipated that the installation of the main and the connection will be completed within one year after PUC approval of this application. Water service for the property is provided by an on-site water facility.

10. To the best of the knowledge of the Applicant, no corporation, partnership, or individual is now furnishing or has corporate or franchise rights to furnish service similar to that to be rendered by Applicant in the Application Territory, and no competitive condition will be created.

#### IV. FINANCIAL AND OTHER RELEVANT INFORMATION

11. There is attached hereto, as Exhibit E, a balance sheet of Pennsylvania-American as of December 31, 2014.

12. There is attached hereto, as Exhibit F, a statement of income and retained earnings of Pennsylvania-American for the 12 months ended December 31, 2014.

13. Pennsylvania-American will charge its then existing Rate Zone 1 rates for service in the Application Territory as set forth in Pennsylvania-American's Tariff. Current Rate Zone 1 rates are shown on Exhibit G, and may be changed from time to time.

14. Furnishing of service in the proposed additional service territory will have no adverse effect upon the service furnished or the rates charged to other customers.

15. The estimated annual revenues and expenses of Pennsylvania-American in the additional territory are set forth in Exhibit H attached hereto.

#### IV. PUBLIC INTEREST

16. It is in the public interest for Pennsylvania-American to provide wastewater service in the proposed service territory because it is financially and technically capable of

providing service and because there is a need to make reliable and safe wastewater service available to the residential property. A letter from West Caln Township supporting this application is attached as Exhibit I. A letter of request for service by the property owner, Aaron King, is attached as Exhibit J. A letter of support and waiver of a planning module submission is attached as Exhibit K. Exhibit L are copies of letters that were sent by Pennsylvania-American Water to West Caln Township Planning Commission and Chester County Planning Commission to verify that this application does not violate its comprehensive plans. West Caln Township has an Act 537 Plan approved by DEP in November, 1996. In addition a revised and updated Act 537 Plan was submitted to DEP on January 25, 2011 and West Caln Township is awaiting final approval.

17. The cost of the wastewater main installation will be approximately \$6,000 and will be borne by Pennsylvania American Water.


18. Upon approval of the Application, receipt of a certificate of public convenience, and installation of the proposed facilities, Pennsylvania-American will provide wastewater service to applicant in the applied for area under the Rules and Regulations of Pennsylvania-American's approved tariff.

#### V. RELIEF REQUESTED

19. Together with its Order approving this Application, Pennsylvania-American requests that the Commission issue a Certificate of Public Convenience pursuant to Section 1102(a) of the Public Utility Code, 66 Pa.C.S. §1102(a), authorizing Pennsylvania-American to furnish wastewater service in a portion of West Caln Township, Chester County depicted in Exhibit B-1 and described in Exhibit B-2 hereto.

WHEREFORE, Pennsylvania-American respectfully requests that the Pennsylvania Public Utility Commission approve this Application and grant the relief requested in Paragraph 19, above.

PENNSYLVANIA-AMERICAN WATER COMPANY

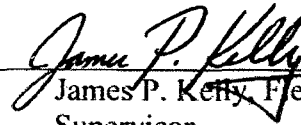
By:  \_\_\_\_\_

Andrew L. Swope, Esquire  
Susan Simms Marsh, Esquire  
Counsel for  
Pennsylvania-American Water Company  
800 West Hersheypark Drive  
Hershey, PA 17033  
717-533-5000

Dated: 10/12/2015

**VERIFICATION**

I, JAMES P. KELLY, hereby state that the facts set forth in the Application to extend wastewater service to an additional portion of West Caln Township, Chester County, are true and correct to the best of my knowledge, information and belief. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities).



James P. Kelly, Field Operations  
Supervisor  
Pennsylvania-American Water Company

Date: 10-8-15

## PENNSYLVANIA-AMERICAN WATER COMPANY

Pennsylvania-American Water Company, an investor-owned water company, with corporate offices at 800 West Hershey Park Drive, Hershey, is a subsidiary of American Water Works Company, Inc. On February 1, 1989, the then-existing Pennsylvania-American Water Company (the result of the January 1, 1987 merger of Riverton Consolidated Water Company with and into Keystone Water Company) was merged with and into Western Pennsylvania Water Company, and the name of the surviving corporation was changed to Pennsylvania-American Water Company. A brief summary of each of the three predecessor companies follows.

Riverton Consolidated Water Company was formed by the merger and consolidation of six operating water companies in 1904. It subsequently acquired seven additional systems, and at the time of its merger with Keystone, supplied water to 12 municipalities on the Harrisburg west shore, Cumberland County, and Fairview Township in York County.

Keystone Water Company resulted from the 1973 merger of 14 companies with and into White Deer Mountain Water Company. The Company later acquired four systems. It provided water service in 14 eastern Pennsylvania counties through the following distribution systems: Abington, Bangor, Berwick, Frackville, Hallstead, Hershey/Palmyra, Montrose, Moshannon Valley, Norristown, Northumberland, Susquehanna, Thompson, White Deer (Milton), and Yardley.

Western Pennsylvania Water Company was the product of the merger of 16 water companies with and into South Pittsburgh Water Company at various times from 1970 to 1973. WPW added seven water distribution systems, extending its service territory into portions of 12 western Pennsylvania counties. The company operated through the following district offices: Butler, Clarion, Connellsville, Ellwood, Indiana, Kane, Kittanning, McDonald, Mon Valley, New Castle, Pittsburgh, Punxsutawney, Uniontown, Warren, and Washington.

After the merger of Riverton and Keystone in 1987, the former Pennsylvania-American Water Company purchased five systems: Red Land Water Company in York County, Campbelltown Water Company in Lebanon County, and three systems in the Moshannon Valley area, Clearfield County - Woodland-Bigler Area Authority, Allport Water Authority, and Graham Water Association.

Since the merger of the former Pennsylvania-American Water Company (Riverton and Keystone) into Western Pennsylvania Water Company on February 1, 1989, the Company has acquired the following water and wastewater systems: Smith Township Municipal Authority system (Washington County, February 27, 1989); Abington Township system (Lackawanna County, August 5, 1989); Summit Township Municipal Authority system (Butler County, August 31, 1993); Skyline Water Company (Dauphin County, December 2, 1993); Gregg Township Municipal Authority system (Union County, April 25, 1994); P-F Area Water Association system (Washington County, October 1, 1994); Country Place Water Company, Inc. and Country Place Waste Treatment Company, Inc. (Monroe County, June 30, 1995); Hickory Water Company, Pocono Farms East Water Company, Inc., and Silver Water Company (Monroe and Pike Counties, December 21, 1995); the water utility assets of Pennsylvania Gas and Water Company (Lackawanna, Luzerne, Susquehanna and Wayne Counties, February 16, 1996); the Municipal Authority of the Township of Morris system (Clearfield County, April 24, 1996); Westford Water Company (Dauphin County, August 2, 1996); Lackawanna County Water System at Montage (Lackawanna County, April 11, 1997); Clarion Township General Authority (Clarion County, January 28, 1998); Fairview Water Company, National Utilities, Inc.-Pocono Division, and Pocono Mountains Industrial Park Authority (Monroe County, May 7, 1998); Coolbaugh Township-Fire System (Monroe County, July 28, 1998); Greene Valley Water Company (Lackawanna County, August 28, 1998); Franklin Manor Utilities, Ltd. (Washington County, September 22, 1998); Taylor Township (Lawrence County, December 21, 1998); Evansburg Water Company (Montgomery County, December 30, 1998); Applewold Borough (Armstrong County, March 26, 1999); Cedar Grove Water

Association (Washington County, July 8, 1999); Independence Township Municipal Authority (Washington County, July 8, 1999); Koppel Borough (Beaver County, November 5, 1999); Center Township (Butler County, December 30, 1999); Strattanville Borough (Clarion County, April 6, 2000); Franklin Township Municipal Authority (Beaver County, August 30, 2000); Elk Forest Estates (Wayne County, November 18, 2000); T.O.W. Associates (Butler County, February 13, 2001); City of Coatesville Authority (Chester and Lancaster Counties, March 22, 2001); Fox Knoll Water Company (Chester County, April 26, 2001); Butler Township Area Water and Sewer Authority (Butler County, April 27, 2001); Citizens Utilities Water Company of Pennsylvania (Adams, Berks, Chester, Monroe, Montgomery and Northampton Counties, January 15, 2002); LP Water & Sewer Company (Monroe and Pike Counties, April 3, 2002); Mid-Monroe Water Company (Monroe County, August 23, 2002); West Decatur Authority (Clearfield County, March 31, 2003); Rustic Acres Water Association (Pike County, September 30, 2003); Sandy Ridge Water Authority (Center County, October 14, 2003); Connoquenessing Borough Authority (Butler County, October 23, 2003); Skytop Water Company (Luzerne County, December 3, 2003); Sligo Borough Authority (Clarion County, August 31, 2004); Snowshoe at Mt. Pocono Condominiums, Inc. (Monroe County, February 24, 2005); Shippenville Municipal Authority (Clarion County, March 31, 2005); Blue Mountain Lake Associates, L.P. (Monroe County, October 31, 2005); East Fallowfield Township (Chester County, December 22, 2005); Stillwater Lakes Water Corporation (Monroe County, January 17, 2006); Winona Lakes Utilities, Inc. (Monroe and Pike Counties, January 26, 2006); Saville Rustin Water Company, Inc./Pine Ridge Community Association, Inc. (Pike County, March 29, 2006); Lexington Woods Corporation (Monroe County, July 24, 2006); Community Association of Pocono Farms, Incorporated (Monroe County, July 31, 2006); Redstone Water Company (Fayette and Washington Counties, March 20, 2007); Mountain Top Estates Property Owners Association (Monroe County, May 30, 2008); Claysville-Donnegal Joint Municipal Authority (Washington County, July 31, 2008); Three Lane Utilities, Inc. (Pike County, September 10, 2008); Clarion Area Authority (Clarion County, October 30, 2008); Boggs Township (Centre County, September 10, 2009); Amwell Township Water Authority (Washington County, September 23, 2009); Wallaceton Municipal Authority (Clearfield County, October 1, 2009); Saxonburg Area Authority (Butler County, October 28, 2009); Nittany Water Company (Centre and Clinton Counties, February 3, 2010); Sutton Hills Homeowners Association (Luzerne County, May 5, 2010); Birch Acres Water Works, Inc. (Monroe County, December 7, 2010); Helen Norella and Louis & Isabelle Norella (Lackawanna County, October 5, 2011); Wildcat Park Corporation (Schuylkill County, November 17, 2011); Estate of George Spangenberg d/b/a Lake Spangenberg Water Company (Lackawanna County, May 3, 2012); North Fayette County Municipal Authority-Balsinger Public Water System and Springfield Pike Public Water System (Fayette County, October 4, 2012); All Seasons Water Company (Pike County, December 20, 2012); Ha Ra Corporation-Fernwood Community Water System (Monroe County, December 31, 2012); Olwen Heights Water Service Company, Inc. (Lackawanna County, February 4, 2013); Indian Rocks Water Association (Wayne County, March 13, 2013); Koppel Borough (Beaver County, May 31, 2013); Pocono Mountain Lake Forest Community Association (Pike County, July 22, 2013); Clean Treatment Sewage Company (Pike County, August 21, 2013); Franklin Township Municipal Authority (Adams County, August 29, 2013); Berry Hollow Water Company (Northampton County, April 3, 2014); Scott Township (Lackawanna County, May 22, 2014); Paint-Elk Joint Sewer Authority (Clarion County, July 31, 2014) and Hamiltonban Township Municipal Authority (Adams County, November 3, 2014). On July 2, 1990, Brownsville Water Company (Fayette County) and California Water Company (Washington County) were acquired and merged into the Company. On June 16, 1992, the former Forge Road Acres water system (Cumberland County) was sold to South Middleton Township. On March 24, 2003, Salisbury Water Supply Company (State of Massachusetts) was acquired and merged into the Company.

As a result of the various mergers and acquisitions, the Company furnishes water service to about 649,327 customers in the following municipalities:

All, or portions of, the Townships of Mount Joy, Mount Pleasant and Straban in Adams County;

All, or portions of, the Cities of Clairton and Pittsburgh (16th, 18th, 19th, 20th, 23rd, 29th, 30th, 31st and 32nd Wards), the Boroughs of Baldwin, Bethel Park, Brentwood, Bridgeville, Carnegie, Castle Shannon, Crafton, Dormont, Dravosburg, Elizabeth, Glassport, Greentree, Heidelberg, Homestead, Ingram, Jefferson, Liberty, Lincoln, Mt. Oliver, Munhall, Pleasant Hills, Rosslyn Farms, Thornburg, West

## **Exhibit A**

Elizabeth, West Homestead, West Mifflin, Whitaker and Whitehall and the Townships of Baldwin, Collier, Elizabeth, Forward, Mt. Lebanon, North Fayette, Robinson, Scott, South Fayette, South Park and Upper St. Clair in Allegheny County;

All, or portions of, the Boroughs of Appewold and Kittanning and the Townships of Manor and Rayburn in Armstrong County;

All, or portions of, the Boroughs of Big Beaver, Ellwood City, Frankfort Springs and Koppel and the Townships of Franklin, Hanover and North Sewickly in Beaver County;

All, or portions of, the Boroughs of Sinking Spring, St. Lawrence, West Lawn<sup>3</sup> and Wyomissing<sup>2</sup> and the Townships of Amity, Cumru, Earl, Exeter, Lower Heidelberg, Ruscombmanor, South Heidelberg and Spring in Berks County;

All, or portions of, the Borough of Yardley and the Townships of Falls and Lower Makefield in Bucks County;

All, or portions of, the City of Butler, the Boroughs of Connoquenessing, East Butler and Saxonburg and the Townships of Butler, Center, Clinton, Connoquenessing, Donegal, Forward, Franklin, Jackson, Jefferson, Lancaster, Oakland, Penn and Summit in Butler County;

All, or portions of, the Boroughs of Philipsburg and South Philipsburg and the Townships of Boggs, Rush and Walker in Centre County;

All, or portions of, the City of Coatesville, the Boroughs of Atglen, Parkesburg, South Coatesville and Spring City and the Townships of Caln, East Coventry, East Fallowfield, East Pikeland, East Vincent, Highland, Sadsbury, Schuylkill, Valley, West Caln, West Sadsbury and West Vincent in Chester County;

All, or portions of, the Boroughs of Clarion, Shippenville, Sligo and Strattanville and the Townships of Clarion, Elk, Farmington, Highland, Knox, Limestone, Monroe, Paint and Piney in Clarion County;

All, or portions of, the Boroughs of Chester Hill, Osceola Mills and Wallacetown and the Townships of Boggs, Bradford, Decatur, Graham and Morris in Clearfield County;

All, or portions of, the Township of Porter in Clinton County;

All, or portions of, the Boroughs of Berwick and Briar Creek and the Township of Briar Creek in Columbia County;

All, or portions of, the Boroughs of Camp Hill, Lemoyne, New Cumberland, Shiremanstown, West Fairview<sup>1</sup> and Wormleysburg and the Townships of East Pennsboro, Hampden, Lower Allen, Silver Spring and Upper Allen in Cumberland County;

All, or portions of, the Townships of Conewago, Derry, Londonderry, South Hanover and West Hanover in Dauphin County;

All, or portions of, the Cities of Connellsville and Uniontown, the Boroughs of Brownsville and South Connellsville and the Townships of Brownsville, Bullskin, Connellsville, Dunbar, German, Jefferson, Luzerne, Menallen, North Union, Redstone and South Union in Fayette County;

All, or portions of, the Borough of Indiana and the Township of White in Indiana County;

All, or portions of, the Boroughs of Big Run and Punxsutawney and the Townships of Bell, Gaskill, Henderson, McCalmont and Young in Jefferson County;

All, or portions of, the Cities of Carbondale and Scranton, the Boroughs of Archbald, Blakely, Clarks Green, Clarks Summit, Dalton, Dickson City, Dunmore, Jermyn, Jessup, Mayfield, Moosic, Old Forge, Olyphant, Taylor, Throop and Vandling and the Townships of Abington, Carbondale, Fell, Glenburn, Jefferson, North Abington, Roaring Brook, Scott and South Abington in Lackawanna County;

All, or portions of, the Borough of Quarryville and the Townships of Bart, Colerain, Eden and Sadsbury in Lancaster County;

All, or portions of, the City of New Castle; the Boroughs of Ellport, Ellwood City, New Beaver and South New Castle and the Townships of Hickory, Mahoning, Neshannock, North Beaver, Perry, Shenango, Taylor, Union and Wayne in Lawrence County;

All, or portions of, the Borough of Palmyra and the Townships of Annville, North Annville, North Londonderry, South Annville and South Londonderry in Lebanon County;

All, or portions of, the Cities of Nanticoke, Pittston and Wilkes-Barre, the Boroughs of Ashley, Avoca, Courtdale, Dallas, Dupont, Duryea, Edwardsville, Exeter, Forty Fort, Hughestown, Kingston, Laflin, Larksville, Laurel Run, Luzerne, Nescopeck, Plymouth, Pringle, Shickshinny, Sugar Notch, Swoyersville, Warrior Run, West Pittston, West Wyoming, Wyoming and Yatesville and the Townships of Conyngham, Fairview, Hanover, Hunlock, Jackson, Jenkins, Kingston, Newport, Pittston, Plains, Plymouth, Rice, Salem, Union, Wilkes-Barre and Wright in Luzerne County;

All, or portions of, the Borough of Kane and the Township of Wetmore in McKean County;

All, or portions of, the Borough of Mount Pocono and the Townships of Coolbaugh, Hamilton, Middle Smithfield, Ross, Smithfield and Stroud in Monroe County;

All, or portions of, the Boroughs of Bridgeport, Norristown and Royersford and the Townships of East Norriton, Limerick, Lower Pottsgrove, Lower Providence, Perkiomen, Plymouth, Skippack, Upper Merion, Upper Providence, West Norriton, Whitmarsh, Whippain and Worcester in Montgomery County;

All, or portions of, the Boroughs of Bangor, Belfast, Nazareth, Pen Argyl, Roseto, Stockertown, Tatamy and Wind Gap and the Townships of Bushkill, Forks, Lower Mount Bethel, Lower Nazareth, Palmer, Plainfield, Upper Mt. Bethel, Upper Nazareth and Washington in Northampton County;

All, or portions of, the Boroughs of Milton, Northumberland and Watsonstown and the Townships of Delaware, East Chillisquaque, Point, Turbot, Upper Augusta and West Chillisquaque in Northumberland County;

Portions of the Townships of Delaware, Lehman and Westfall in Pike County;

All, or portions of, the Borough of Frackville and the Townships of Butler, Mahanoy, New Castle, Walker and West Mahanoy in Schuylkill County;

All, or portions of, the Boroughs of Forest City, Great Bend, Hallstead, Lanesboro, Montrose, Susquehanna and Thompson and the Townships of Bridgewater, Great Bend, Harmony and Oakland in Susquehanna County;

All, or portions of, the Borough of Lewisburg and the Townships of Buffalo, East Buffalo, Gregg, Kelly

and White Deer in Union County;

All, or portions of, the City of Warren and the Townships of Conewango, Glade, Meade, and Pleasant in Warren County;

All, or portions of, the Cities of Monongahela and Washington and the Boroughs of Burgettstown, California, Canonsburg, Claysville, Coal Center, East Washington, Finleyville, Houston, McDonald, Midway, New Eagle, West Brownsville and West Middletown and the Townships of Amwell, Buffalo, Canton, Carroll, Cecil, Chartiers, Cross Creek, Donegal, East Finley, Fallowfield, Hanover, Hopewell, Independence, Jefferson, Morris, Mount Pleasant, North Franklin, North Strabane, Nottingham, Peters, Robinson, Smith, Somerset, South Franklin, South Strabane, Union and West Pike Run in Washington County;

Portions of the Townships of Clinton and Salem in Wayne County; and

All, or portions of, the Townships of Fairview and Newberry in York County.

As a result of acquisitions, the Company furnishes wastewater service to about 17,088 customers in the following municipalities:

All, or portions of, the Townships of Franklin, Hamiltonban and Highland, Adams County;

All of the Borough of Koppel in Beaver County;

All, or portions of, the City of Coatesville, the Boroughs of Parkesburg and South Coatesville and the Townships of Caln, East Fallowfield, Highland, Sadsbury, Valley, West Caln and West Sadsbury in Chester County;

All, or portions of, the Borough of Clarion and the Townships of Clarion, Elk, Monroe and Paint in Clarion County;

Portions of the Townships of Coolbaugh, Middle Smithfield, Smithfield and Stroud in Monroe County;

Portions of the Townships of Delaware and Lehman in Pike County; and

All, or portions of, the Borough of Claysville and the Township of Donegal in Washington County.

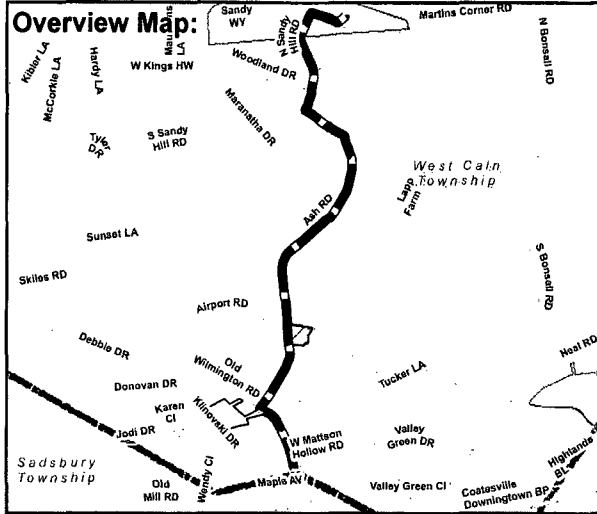
<sup>1</sup> West Fairview Borough was merged into East Pennsboro Township in 1998.

<sup>2</sup> Wyomissing Hills was merged into Wyomissing Borough in 2002.

<sup>3</sup> West Lawn was merged into Spring Township in 2006.

[404 municipalities in 36 counties.]

12/31/2014



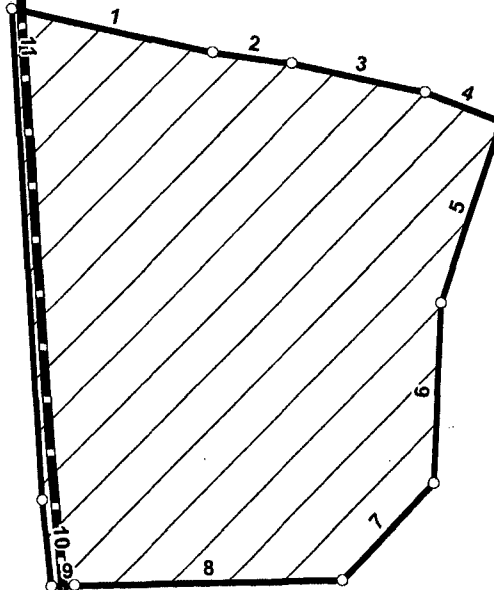
West Cain  
Township

Exhibit B-1


West Cain  
Township





Ash Road

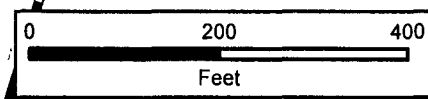
Airport Road



**Pennsylvania American Water Company**  
**Coatesville Operating Area**  
**1398 Airport Road, Coatesville, PA**  
**Approximatley 5.47 Acres**  
**West Cain Township, Chester County**

  
**PENNSYLVANIA**  
**AMERICAN WATER**  
 Pennsylvania American Water  
 852 Wesley Drive  
 Mechancsburg, PA 17055

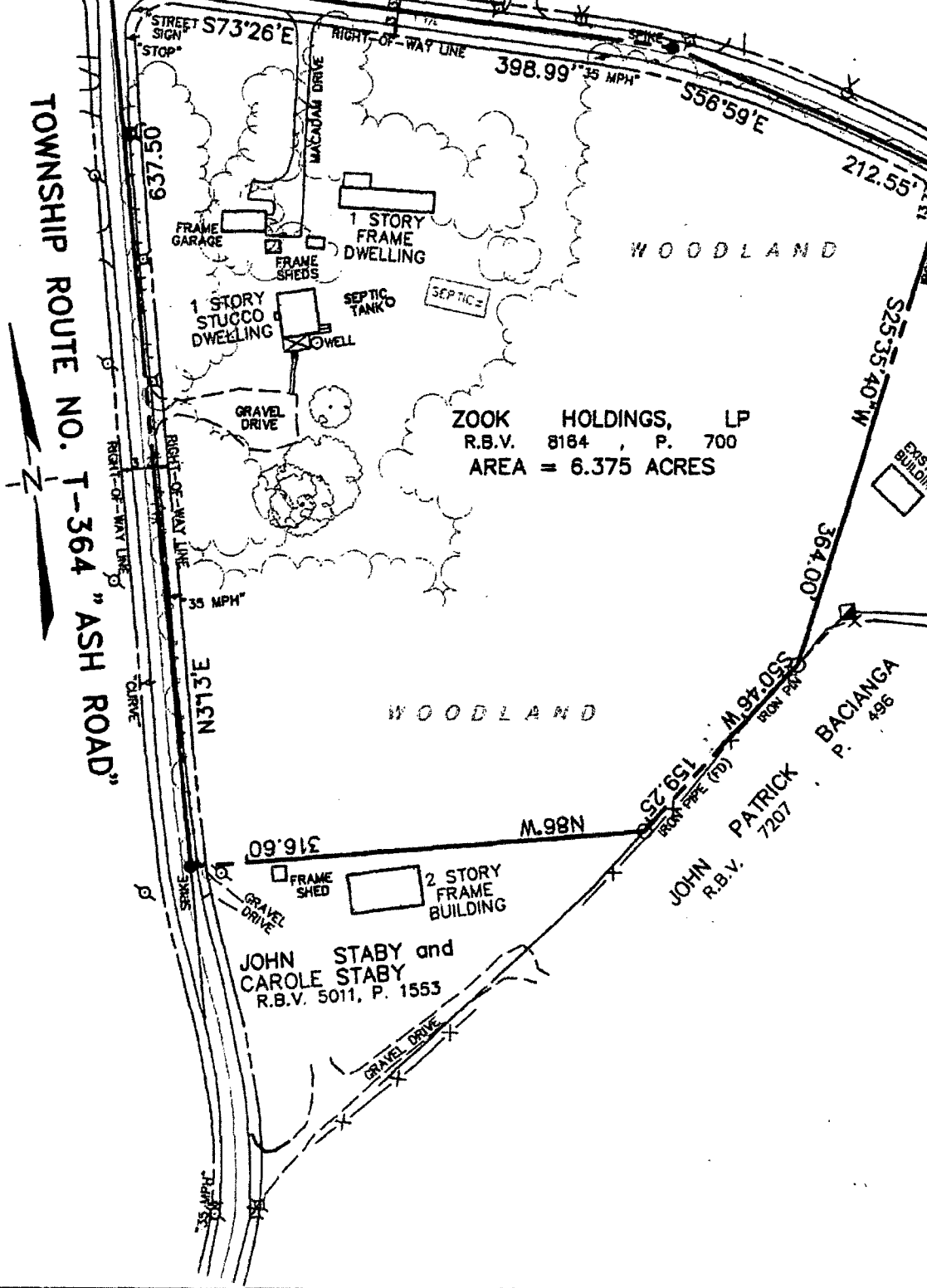
 Force Main  
 PAWC Certificated Service Territory  
 Proposed Certificated Service Territory  
 Municipal  
TO BE USED FOR REFERENCE ONLY  
Although every effort has been made to ensure the accuracy of the information, errors and conditions originating from physical sources to develop the Certificated Service Territory may be reflected in the data supplied.



Sequence	From	To	Bearing	Distance (ft)
1	1	2	S77°51'51"E	217.6017
2	2	3	S82°15'59"E	85.1495
3	3	4	S77°33'38"E	145.0724
4	4	5	S69°26'38"E	86.0334
5	5	6	S19°02'31"W	196.8848
6	6	7	S2°25'48"W	188.3638
7	7	8	S44°23'41"W	139.465
8	8	9	S88°52'36"W	283.3878
9	9	10	S85°58'18"W	24.7138
10	10	11	N5°54'08"W	89.479
11	11	1	N3°37'26"W	511.9321

Disclaimer: Bearings and distances were not developed as result of physical survey completed by a Professional Licensed Survey, but instead completed through employment of ESRI's ArcGIS COGO tool.

TOWNSHIP ROUTE NO. "AIRPORT ROAD" T-454



TOWNSHIP ROUTE NO. T-364 "ASH ROAD"

WOODLAND

WOODLAND

ZOOK HOLDINGS, LP  
R.B.V. 8164, P. 700  
AREA = 6.375 ACRES

JOHN STABY and  
CAROLE STABY  
R.B.V. 5011, P. 1553

JOHN PATRICK  
R.B.V. 7207

BACIANGA  
P. 496



"STOP"

"STOP"

"STOP"

S73°26'E

398.99' 35 MPH

S56°59'E

212.55'

637.50

FRAME GARAGE

MACADAM DRIVE

1 STORY FRAME DWELLING

FRAME SHEDS

1 STORY STUCCO DWELLING

SEPTIC TANK

SEPTIC

GRAVEL DRIVE

35 MPH

N31°3'E

364.00'

S25°35'40"W

EXIST. BUILDING

M.98W

316.60'

FRAME SHED

2 STORY FRAME BUILDING

GRAVEL DRIVE

S50°46'15"W

M.94.05S

IRON PIPE (10')

M.98W

S72°59'15"W

IRON PIPE (10')

M.98W

S72°59'15"W

IRON PIPE (10')

M.98W

S72°59'15"W

IRON PIPE (10')

M.98W

S72°59'15"W

IRON PIPE (10')

M.98W

Pennsylvania American Water sewer franchise located approximately 2 miles north of the franchise request area consists of two developments Calnshire West and Sandy Hill. Both developments waste flows to Pennsylvania American Water Sandy Hill lift station constructed in 2003 to 2004. A 6" force main from the Sandy Hill lift station carries the flow approximately 2.6 miles and connects to the Sadsbury Township sewer system where it flows via gravity to Sadsbury's lift station which pumps to the Pennsylvania American Water Coatesville sewer system. The 6" force main travels the entire western boundary of the franchise request area on Ash Road in West Caln Township. The Aaron Glick property is the only other property connected to the 6' force main which is south of the franchise request area and received PUC approval in November of 2014 under Docket No. A-2014-2430841.



412 Ash Rd  
Leskowich, Eric R.  
to:  
'James.Kelly@amwater.com'  
08/27/2015 09:07 AM  
Hide Details  
From: "Leskowich, Eric R." <eleskowich@chesco.org>  
To: "'James.Kelly@amwater.com'" <James.Kelly@amwater.com>,

**This email was sent from outside the company. Please use caution and verify the sender before opening attachments or clicking links.**

James,

The CCHD has no objections to utilizing the existing septic system for the temporary mobile home at 412 Ash Rd. This is an existing system with no complaints filed with our office. The existing system has been in use for a residential home and this proposal is for the same. Once the public sewer connection is made the system must be disconnected and the tank must be removed or filled in. If you need anything further from the CCHD please let me know. My phone number is 610-344-5270.

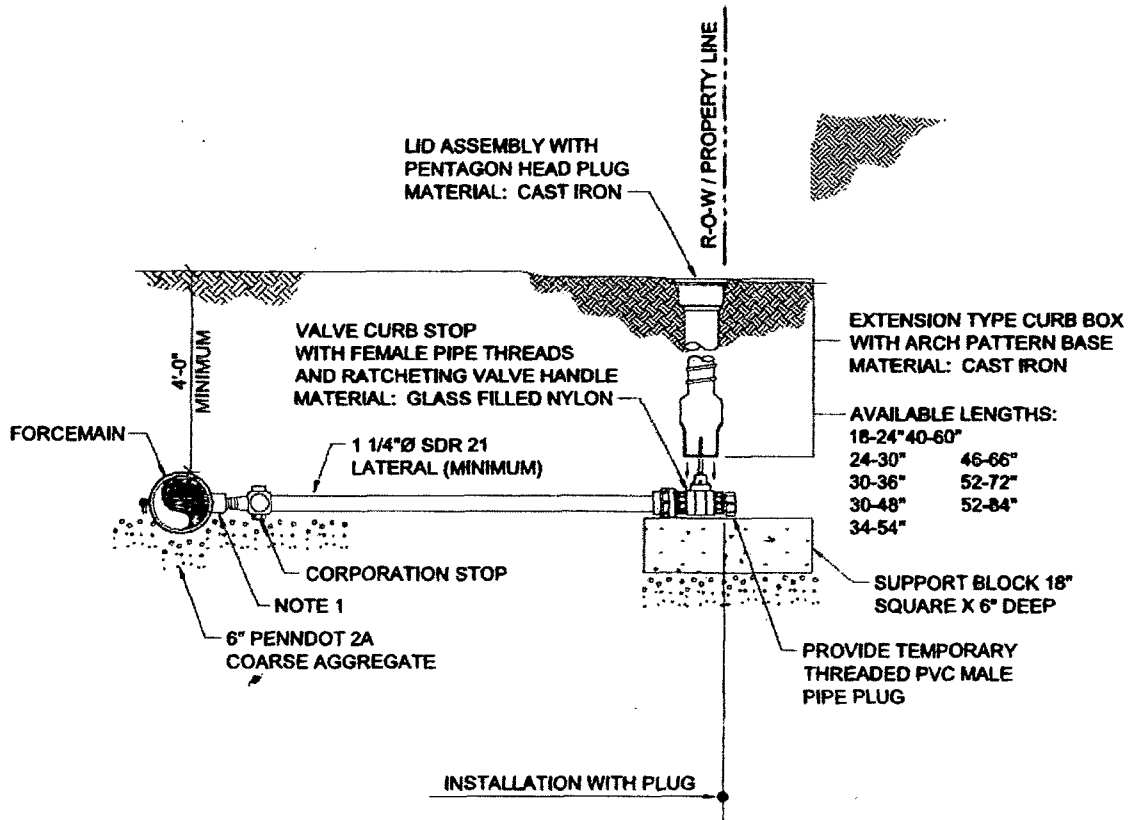
Eric Leskowich  
CCHD/SEO

This County of Chester e-mail message, including any attachments, is intended for the sole use of the individual(s) and entity(ies) to whom it is addressed, and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended addressee, nor authorized to receive for the intended addressee, you are hereby notified that you may not use, copy, disclose or distribute to anyone this e-mail message including any attachments, or any information contained in this e-mail message including any attachments. ~~If you have received this e-mail message in error, please immediately notify the sender by reply e-mail and delete the message. Thank you very much.~~

*Please note that this property is located on a corner. Since it has two existing structures the property has two addresses, 412 Ash Rd + 1398 Airport Rd. The address once the home is built will be 1398 Airport Rd.*

## DRAWING NOTES:

- FOR CONNECTION TO EXISTING FORCEMAIN PROVIDE WET SADDLE TAP.  
FOR CONNECTION TO NEW FORCEMAIN PROVIDE SANITARY PRESSURE WYE FITTING AND 45° BEND ON LATERAL.



**ENTECH**  
Entech Engineering Inc.  
4 S. Fourth Street  
Reading, PA 19602  
ph: 610.373.6887  
fx: 610.373.7537  
www.entecheng.com

Portville, PA  
ph: 570.826.9855  
Mauritons, Pa. PA  
ph: 670.860.0275



**PA AMERICAN WATER COMPANY**

**FORCEMAIN LATERAL**

DATE: 01/08/09  
PREPARED BY: BMM  
CHECKED BY: BB  
APPROVED BY: SMC  
SCALE: NONE  
PROJECT NO. 021800  
DRAWING NO.

**S-31**

Pennsylvania-American Water Company, Inc.  
 Balance Sheet (Audited)  
 December 31, 2014  
 (Dollars in thousands)

	<b>December 31, 2014 (Audited)</b>
<b>Property, plant and equipment</b>	
Utility plant - at original cost less accumulated depreciation	\$ 3,340,425
Utility plant acquisition adjustments, net	\$ 14,401
Total Non-Utility Plant, net	\$ 505
<b>Total property plant and equipment</b>	<b>\$ 3,355,331</b>
<b>Current assets</b>	
Cash and cash equivalents	\$ 849
Accounts receivable:	
Billed, net of allowance for doubtful accounts	\$ 49,599
Unbilled	\$ 30,971
Other current assets	\$ 32,924
<b>Total current assets</b>	<b>\$ 114,343</b>
<b>Long-term assets</b>	
Regulatory assets	\$ 189,484
Goodwill	\$ 39,782
Prepaid Pension Expense	\$ 23,004
Other	\$ 445
<b>Total long-term assets</b>	<b>\$ 252,715</b>
<b>Total assets</b>	<b>\$ 3,722,389</b>
<b>Capitalization and Liabilities</b>	
<b>Capitalization</b>	
<b>Total stockholder's equity</b>	<b>\$ 1,282,291</b>
Long-term debt	\$ 1,144,047
Preferred stock with mandatory redemption requirements	\$ 8,852
<b>Total capitalization</b>	<b>\$ 2,435,190</b>
<b>Current liabilities</b>	
Notes payable - associated companies	\$ 73,766
Current portion of long-term debt	\$ 5,217
Other	\$ 135,760
<b>Total current liabilities</b>	<b>\$ 214,743</b>
<b>Long-term liabilities</b>	
Deferred income taxes	\$ 768,264
Regulatory Liabilities	\$ 32,238
Other	\$ 127,081
<b>Total long-term liabilities</b>	<b>\$ 927,583</b>
<b>Contributions in aid of construction</b>	<b>\$ 144,873</b>
<b>Total capitalization and liabilities</b>	<b>\$ 3,722,389</b>

Exhibit E

**Pennsylvania-American Water Company, Inc.**  
**Income Statement for the 12 Months Ended December 31, 2014 (Audited)**  
**(Dollars in thousands)**

	<b>12 Months Ended December 31, 2014 Audited</b>
<b>Operating revenues</b>	<b>\$605,432</b>
<b>Operating expenses</b>	
Operation and maintenance	\$199,887
Depreciation and amortization	\$90,537
General taxes and other	\$11,924
<b>Total Operating Expenses</b>	<u><b>\$302,348</b></u>
<b>Operating income</b>	<u><b>\$303,084</b></u>
<b>Other income (expenses)</b>	
Other income, net	\$48
Interest expense, net	66,712
Total Other Expenses	<u><b>(66,664)</b></u>
<b>Income before income taxes</b>	<u><b>\$236,420</b></u>
<b>Provision for income taxes</b>	<u><b>\$96,237</b></u>
<b>Net income</b>	<u><b>\$140,183</b></u>

Pennsylvania-American Water Company

**PART I:**

**RATES FOR RATE ZONE 1** - The rates as set forth below will be in effect for all Coatesville, Claysville and Clean Treatment wastewater customers. (C)

**Metered Charges** (Based on Water Usage or Sewage Flows, determined at PAWC's discretion)

All metered customers shall be subject to a monthly service per equivalent dwelling unit (EDU).

A. Residential \*\*\*

Service Charge per month: \$ 7.50  
Usage Charge per 100 gallons \$1.2880 (D)

B. Commercial

Service Charge per month: \$20.00  
  
Service Charge per month Coatesville only:  
5/8" meter \$ 7.50  
3/4" - 1 1/2" meter \$10.00  
2" meter and up \$20.00  
  
Usage Charge per 100 gallons \$1.1194 (D)

C. Industrial

Service Charge per month: \$20.00  
  
Usage Charge per 100 gallons \$1.1194

D. Municipal

Service Charge per month: \$20.00  
  
Usage Charge per 100 gallons \$1.1194

---

Issued: December 19, 2013      Effective: January 1, 2014

Pennsylvania-American Water Company

E. Special Rate Charges (Coatesville Only)

1. Bulk Metered Usage

Caln Township, Sadsbury Township, Valley Township, V.A. Hospital and West Brandywine Township - One Monthly Service Charge Per Customer of \$250.00 in addition to \$.8664 per 100 gallons of metered water usage.

2. Mittal Steel and Victory Brewing Company- Monthly Service Charge of \$250.00 in addition to \$.8528 per 100 gallons of metered water usage.

Unmetered Charges -This charge is a flat rate fee for customers not metered for water consumption.

Residential \*\*\* \$58.50 per month, per EDU (D)

Commercial \$58.50 per month, per EDU (D)

\*\*\* As set forth in Page 4F, Residential Rates are subject to a 15% discount for qualifying low income customers.

**Estimated Annual Revenue and Expense  
in Application Territory**

**Wastewater**

**Estimated Annual Revenue**

1 Residential Customers @ \$58.50 per month	\$702.00
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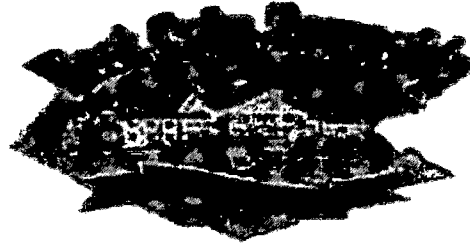
**Estimated Annual Expenses**

1 Residential Customers	\$320.95
-------------------------	----------

Net	\$381.05
-----	----------

**EXHIBIT H**

West Caln Township  
PO Box 175  
Wagontown, PA 19376  
610.384.5643



---

August 17, 2015

Pennsylvania American Water Company  
PAW-Southeast Region  
4 Shillington Blvd.  
Wyomissing, Pa. 19610

Re: Aaron King, 412 Ash Rd.

Gentlemen:

Please consider confirmation that West Caln Township is in support of an amendment to the Pennsylvania American Water sewer franchise area to include the Aaron Glick Subdivision,

You are authorized to include this letter with any application the Pennsylvania American Water Company may be required to file with the Pennsylvania Public Utility Commission to extend sewer service to the above captioned project. This action was taken at a meeting of West Caln Township Board of Supervisors on Monday August 10, 2015..

If you have any questions or comments, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Gary L. Dunlap". The signature is written in a cursive, flowing style.

Gary L. Dunlap  
Manager/Secretary  
West Caln Township

GLD/

---

[www.westcaln.org](http://www.westcaln.org)

Exhibit I

Name: Haron S King

Address: 1398 Airport Rd

Coatesville PA 19320

Job Address: 412 Ash Rd

Coatesville PA 19320

Ph: 1410-857-1710 Cell: 717-723-5769



- General Contracting
- Framing
- Heavy Timber Framing
- Log Homes
- Log Home Sales
- Historic Restorations

**717-529-0180**

I am requesting hook up to the sewer main running on Ash Rd. in west Caln Township.

An existing residence will be removed and a new residence is planned to be built in the same location only bigger.

Owner: *Haron S King*  
*Ernest D. King*

P.S. The reason for request is the difference in cost of an on lot sewer of \$20,000.00 to hooking up to the sewer main cost of \$6,000.00.

152 Highland Road • Christiana, PA 17509 • 717-529-0180 • HIC# PA025898

Exhibit J



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

August 4, 2015

Mr. Gary Dunlap, Manager  
West Caln Township  
721 West Kings Highway  
Wagontown, PA 19376

Re: Planning Waiver  
Aaron King  
DEP Code No. 1-15961-722-X  
West Caln Township  
Chester County

Dear Mr. Dunlap:

This letter is in reference to your application for Sewage Facilities Planning Modules to demolish an existing dwelling and construct a new single-family dwelling. The project will also involve the temporary use of the mobile-home utilizing an existing on-lot sewage disposal system during the construction of the new home. The mobile-home will be removed upon occupancy of the new home. The project is located at 412 Ash Road in West Caln Township, Chester County.

This project does not meet the definition of a subdivision under the Pennsylvania Sewage Facilities Act. Therefore, no planning modules are required to be submitted to the Department of Environmental Protection (DEP).

The project will be connected to the Pennsylvania American Water Company collection system and will generate 225 gallons of sewage per day to be treated at the Pennsylvania American Water Company's Coatesville Wastewater Treatment Facility.

However, although the planning requirements pursuant to the Pennsylvania Sewage Facilities Act are waived, the determination as to the adequacy of the existing system to handle the temporary use of the mobile-home utilizing during the construction of the new home must be determined by Chester County Health Department.

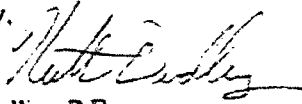
Mr. Gary Dunlap, Manager

- 2 -

August 4, 2015

If you have any questions or concerns, please contact Mr. John Venezia at 484.250.5175.

Sincerely,



Keith Dudley, P.E.  
Environmental Engineer Manager  
Municipal Planning and Finance Section  
Clean Water

cc: Chester County Planning Commission  
Chester County Health Department  
Chester County Conservation District  
Aaron King  
Pennsylvania American Water Company  
Planning Section  
Re 30 (GJE15CLW)216-5



800 West Hersheypark Drive  
Hershey, PA 17033  
P 717-531-5000  
F 717-531-3399

September 24, 2015

West Caln Township  
Planning Commission  
721 West Kings Highway  
Wagontown, PA 17376

Re: Pennsylvania American Water application to serve a portion of West Caln Township, Chester County

Pennsylvania American Water Company (Pennsylvania American Water) is submitting an application with the Pennsylvania Public Utility Commission (PUC) to expand its wastewater service territory to serve an additional portion of West Caln Township. Specifically, this request was made for wastewater service to be made available to one residential customer in the area of Ash Road and 1398 Airport Road, Coatesville, PA.

As part of the application process, the PUC requested Pennsylvania American Water seek the Township's input for the purpose of determining if Pennsylvania American Water's application complies with the Township's land use planning.

Specifically, the PUC requests that the Township reviews the following questions:

- 1. Are there adopted municipal comprehensive plans for the townships/boroughs involved? Y
- 2. Is there an adopted county comprehensive plan? Y
- 3. Is there an adopted multi-municipal or multi-county comprehensive plan? N
- 4. Is there an adopted county or municipal zoning ordinance or joint municipal zoning ordinance? Y
- 5. Is the proposed project consistent with these comprehensive plans and/or zoning ordinances? Y
- 6. If the answer is "yes" to any of the above questions, please sign below, or submit a letter, indicating that the application is consistent with the applicable comprehensive plans and zoning ordinances. If the application is not consistent with the applicable comprehensive plans and zoning ordinances, please provide an explanation.

If you have any questions, please call me at (717) 790-3024 or e-mail [Bernie.grundusky@amwater.com](mailto:Bernie.grundusky@amwater.com)

Sincerely,

Bernie Grundusky  
Director Business Development

Pennsylvania American Water's application is consistent with the applicable comprehensive plans and zoning ordinances.

West Caln Township Signature Gayle L. Dunlap  
Printed Name/Title CARY L. DUNLAP MANAGER Date 10-5-15

Please send/e-mail this form to: Bobbi Gautsch at [Roberta.gautsch@amwater.com](mailto:Roberta.gautsch@amwater.com) or send to the address above.



**PENNSYLVANIA  
AMERICAN WATER**

September 24, 2015

800 West Hersheypark Drive  
Hershey, PA 17033  
P 717-531-5000  
F 717-531-3399

Chester County Planning Commission  
Chester County Courthouse  
313 West Market Street  
P.O. Box 2748  
West Chester, PA 19380-0991

Re: Pennsylvania American Water application to serve a portion of West Caln Township, Chester County

Pennsylvania American Water Company (Pennsylvania American Water) is submitting an application with the Pennsylvania Public Utility Commission (PUC) to expand its wastewater service territory to serve an additional portion of West Caln Township. Specifically, this request was made for wastewater service to be made available to one residential customer in the area of Ash Road and 1398 Airport Road, Coatesville, PA.

As part of the application process, the PUC requested Pennsylvania American Water seek the County's input for the purpose of determining if Pennsylvania American Water's application complies with the County's land use planning.

Specifically, the PUC requests that the County reviews the following questions:

1. Are there adopted municipal comprehensive plans for the townships/boroughs involved? \_\_\_\_\_
2. Is there an adopted county comprehensive plan? \_\_\_\_\_
3. Is there an adopted multi-municipal or multi-county comprehensive plan? \_\_\_\_\_
4. Is there an adopted county or municipal zoning ordinance or joint municipal zoning ordinance? \_\_\_\_\_
5. Is the proposed project consistent with these comprehensive plans and/or zoning ordinances? \_\_\_\_\_
6. If the answer is "yes" to any of the above questions, please sign below, or submit a letter, indicating that the application is consistent with the applicable comprehensive plans and zoning ordinances. If the application is not consistent with the applicable comprehensive plans and zoning ordinances, please provide an explanation.

If you have any questions, please call me at (717) 790-3024 or e-mail [Bernie.grundusky@amwater.com](mailto:Bernie.grundusky@amwater.com)

Sincerely,

Bernie Grundusky  
Director Business Development

\_\_\_\_\_  
Pennsylvania American Water's application is consistent with the applicable comprehensive plans and zoning ordinances.

Chester County Signature \_\_\_\_\_  
Printed Name/Title \_\_\_\_\_ Date \_\_\_\_\_

Please send/e-mail this form to: Bobbi Gautsch at [Roberta.gautsch@amwater.com](mailto:Roberta.gautsch@amwater.com) or mail to the address above.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> <li>■ Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.</li> <li>■ Print your name and address on the reverse so that we can return the card to you.</li> <li>■ Attach this card to the back of the mailpiece, or on the front if space permits.</li> </ul>	<p>A. Signature <span style="float: right;"><input type="checkbox"/> Agent <input type="checkbox"/> Addressee</span></p> <p><b>X</b></p> <p>B. Received by (Printed Name) <span style="float: right;">Date of Delivery</span></p> <p><i>Philip Springer</i></p>
<p>1. Article Addressed to:</p> <p><i>Chester County Planning Commission Chester County Courthouse 313 W. Market St., P.O. Box 274 West Chester, Pa 19380-0991</i></p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <span style="float: right;"><input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> C.O.D.</span></p> <p><input checked="" type="checkbox"/> Certified Mail</p> <p><input type="checkbox"/> Registered</p> <p><input type="checkbox"/> Insured Mail</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
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**APPLICATION OF PENNSYLVANIA-AMERICAN WATER COMPANY UNDER SECTION 1102(A) OF THE PENNSYLVANIA PUBLIC UTILITY CODE, 66 PA. C.S. § 1102(A), FOR APPROVAL OF (1) THE TRANSFER, BY SALE, OF SUBSTANTIALLY ALL OF VALLEY TOWNSHIP'S ASSETS, PROPERTIES, AND RIGHTS RELATED TO ITS WASTEWATER COLLECTION AND CONVEYANCE SYSTEM TO PENNSYLVANIA-AMERICAN WATER COMPANY, AND (2) THE RIGHTS OF PENNSYLVANIA-AMERICAN WATER COMPANY TO BEGIN TO OFFER OR FURNISH WASTEWATER SERVICE TO THE PUBLIC IN VALLEY TOWNSHIP, AND LIMITED PORTIONS OF EAST FALLOWFIELD TOWNSHIP, SADBURY TOWNSHIP, AND WEST CALN TOWNSHIP, CHESTER COUNTY, PENNSYLVANIA**

**Docket No. A-2020-3020178\*\***

**ORDER ENTERED OCTOBER 28, 2021**

**\*Due to the length of the complete Application, only the Opinion and Order, Application and Maps are included, all Appendices are excluded do to volume\*\***

**PENNSYLVANIA  
PUBLIC UTILITY COMMISSION  
Harrisburg, PA 17120**

Public Meeting held October 28, 2021

Commissioners Present:

Gladys Brown Dutrieuille, Chairman  
John F. Coleman, Jr., Vice Chairman  
Ralph V. Yanora

Application of Pennsylvania-American Water Company under Section 1102(a) of the Pennsylvania Public Utility Code, 66 Pa. C.S. § 1102(a), for approval of (1) the transfer, by sale, of substantially all of Valley Township's assets, properties, and rights related to its water treatment and distribution system to Pennsylvania-American Water Company, and (2) the rights of Pennsylvania-American Water Company to begin to offer or furnish water service to the public in Valley Township, and in a portion of West Caln and East Fallowfield Townships, Chester County, Pennsylvania

A-2020-3019859

Application of Pennsylvania-American Water Company under Section 1102(a) of the Pennsylvania Public Utility Code, 66 Pa. C.S. § 1102(a), for approval of (1) the transfer, by sale, of substantially all of Valley Township's assets, properties, and rights related to its wastewater collection and conveyance system to Pennsylvania-American Water Company, and (2) the rights of Pennsylvania-American Water Company to begin to offer or furnish wastewater service to the public in Valley Township, and limited portions of East Fallowfield Township, Sadsbury Township, and West Caln Township, Chester County, Pennsylvania

A-2020-3020178

**OPINION AND ORDER**

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## **BY THE COMMISSION:**

Before the Pennsylvania Public Utility Commission (Commission) for consideration and disposition is the Exception of Pennsylvania-American Water Company (PAWC or Company) filed on September 10, 2021, in the above-captioned proceeding. The Exception was filed in response to the Recommended Decision of Administrative Law Judges (ALJs) Conrad A. Johnson and Emily I. DeVoe issued on August 31, 2021. On September 14, 2021, the Bureau of Investigation and Enforcement (I&E) filed a letter in support of PAWC's Exception.<sup>1</sup> Also, before the Commission is the Joint Petition for Approval of Unanimous Settlement of All Issues (Joint Petition or Settlement) filed by PAWC, the OCA, I&E, the OSBA, and Valley Township (Valley or Township) (collectively, Joint Petitioners) on August 3, 2021. For the reasons below, we shall grant the Exception, adopt the Recommended Decision, as modified, and approve the Joint Petition, without modification, as being in the public interest.

### **I. History of the Proceeding**

This matter concerns two Applications of PAWC filed on October 9, 2020, pursuant to Sections 507, 1102, and 1329 of the Public Utility Code (Code), 66 Pa. C.S. §§ 507, 1102, and 1329. In its Application at Docket No. A-2020-3019859 (Water Application), PAWC requested Commission approval of the acquisition of Valley's water treatment and distribution system and the right of the Company to provide water service in the areas served by the Township. The Water Application also requested, pursuant to Section 1329(c)(2), the Commission's approval of a ratemaking rate base value of the assets to be acquired by the Company in the amount of \$7,325,000. 66 Pa. C.S. § 1329(c)(2).

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<sup>1</sup> Additionally, on September 17, 2021, I&E, the Office of Consumer Advocate (OCA), and the Office of Small Business Advocate (OSBA) each filed letters stating that they would not be filing Replies to PAWC's Exception.

In its Application at Docket No. A-2020-3020178 (Wastewater Application), PAWC requested Commission approval of the acquisition of Valley's wastewater collection and conveyance system and the right of the Company to provide wastewater service in the areas served by the Township. The Wastewater Application also requested, pursuant to Section 1329(c)(2), the Commission's approval of a ratemaking rate base value of the assets to be acquired by the Company in the amount of \$13,950,000. 66 Pa. C.S. § 1329(c)(2).

On November 5, 2020, I&E filed a Notice of Appearance. The OCA filed a Protest, a Public Statement, and a Notice of Appearance on December 23, 2020.

On January 5, 2021, the OSBA filed a Notice of Appearance, Notice of Intervention, and Public Statement.

On May 18, 2021, the Commission issued a Secretarial Letter accepting the Applications as complete. Notices of the Applications were published in the *Pennsylvania Bulletin* on May 29, 2021, which advised that any protests and petitions to intervene must be filed by June 21, 2021. 51 Pa. B. 3078 (Water Application) and 51 Pa. B. 3079 (Wastewater Application).

On May 19, 2021, PAWC filed a Motion to Consolidate the Applications. Also, on May 21, 2021, Valley filed a Petition to Intervene in each of these proceedings. No other petitions to intervene or protests were filed.<sup>2</sup>

On June 23, 2021, the ALJs convened a prehearing conference at which the Motion to Consolidate the Applications and the Petition to Intervene were granted.

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<sup>2</sup> However, a number of individuals filed public comments in opposition.

By letter dated July 1, 2021 (Directed Questions), Commissioner Ralph V. Yanora directed the Parties to address certain issues, including questions pertaining to customer-owned lead service lines, testing of commercial meters and valves and backflow prevention devices.

On July 20, 2021, a public input hearing was held telephonically. One person presented an on-the-record statement in support of the Applications.<sup>3</sup>

On July 21, 2021, PAWC submitted supplemental direct testimony of Michael J. Guntrum, P.E., and Valley submitted supplemental direct testimony of Patrice Proctor, addressing the Directed Questions.

The evidentiary hearing convened as scheduled on July 23, 2021. Testimony was provided by Mr. Guntrum and Ms. Proctor concerning the Directed Questions, and the written testimony and exhibits of all the Parties were admitted into evidence. During the hearing the Parties advised the presiding officers that they had reached an agreement in principle to resolve all issues involved in these proceedings.

On August 3, 2021, the Joint Petitioners filed the Joint Petition seeking Commission approval of the Settlement. Attached to the Joint Petition were the Statements in Support of the Settlement of PAWC, Valley, the OCA, the OSBA and I&E. By Interim Order dated August 25, 2021, the ALJs admitted into the record the Joint Petition and the Statements in Support of the Settlement and closed the record.

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<sup>3</sup> Michael Hartman, Chief of Staff for Pennsylvania State Senator Carolyn T. Comitta, was the only witness to testify. On behalf of the senator, Mr. Hartman explained that providing safe, reliable, and affordable drinking water and wastewater systems is a matter of public health. He expressed support for Valley's efforts in planning for the future concerning water and wastewater infrastructure, and he noted the acquisitions should be effected with the least possible impact on ratepayers. Tr. at 64.

In the Recommended Decision issued on August 31, 2021, the ALJs recommended that the Commission approve the Settlement with modification because the Settlement as modified is supported by substantial evidence and is in the public interest. R.D. at 1.<sup>4</sup>

On September 10, 2021, PAWC filed its Exception objecting to the modification made by the ALJs. As indicated above, I&E filed a letter in support of the Exception on September 14, 2021. No Replies to the Exception have been filed.

## II. Discussion

### A. Legal Standards

#### 1. Burden of Proof, 66 Pa. C.S. § 332(a)

As the proponent of a rule or order in this proceeding, PAWC has the burden of proof to establish that it is entitled to the relief it is seeking. 66 Pa. C.S. § 332(a). The Applicant must establish its case by a preponderance of the evidence. *Samuel J. Lansberry, Inc. v. Pa. PUC*, 578 A.2d 600 (Pa. Cmwlth. 1990), *alloc. denied*, 529 Pa. 654, 602 A.2d 863 (1992). That is, the Applicant's evidence must be more convincing, by even the smallest amount, than that presented by any opposing party. *Se-Ling Hosiery, Inc. v. Margulies*, 364 Pa. 45, 70 A.2d 854 (1950). Additionally, this Commission's decision must be supported by substantial evidence in the record. More is required than a mere trace of evidence or a suspicion of the existence of a fact sought to

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<sup>4</sup> As discussed below, the ALJs recommended that Paragraph 32 of the Settlement be modified to provide more descriptive terms in the designation of the condition of tangible assets in any future engineering assessment required under 66 Pa. C.S. § 1329(a)(4). R.D. at 1.

be established. *Norfolk & Western Ry. Co. v. Pa. PUC*, 489 Pa. 109, 413 A.2d 1037 (1980).

## **2. Certificate of Public Convenience, 66 Pa. C.S. §§ 1102, 1103**

Section 1102(a)(1)(i) of the Code requires a utility to first obtain a Certificate of Public Convenience (Certificate) prior to beginning to offer or supply utility service to a different territory than that previously authorized by the Commission. 66 Pa. C.S. § 1102(a)(1)(i).

Section 1102(a)(3) of the Code requires a utility to first obtain a Certificate from the Commission prior to a utility or an affiliated interest of a utility to acquire or transfer, to any person or corporation by any method, property used or useful in the public service. 66 Pa. C.S. § 1102(a)(3).

Section 1103(a) of the Code establishes the standard for granting a Certificate required under Section 1102:

A certificate of public convenience shall be granted . . . only if the commission shall find or determine that the granting of such certificate *is necessary or proper for the service, accommodation, convenience or safety of the public*. The commission, in granting such certificate, may impose such conditions as it may deem to be just and reasonable.

66 Pa. C.S. § 1103(a) (emphasis added); *see also Seaboard Tank Lines v. Pa. PUC*, 502 A.2d 763, 764-65 (Pa. Cmwlth. 1985).

According to the Pennsylvania Supreme Court, satisfying the standard of Section 1103(a) requires the Commission to find that the proposed transaction will “affirmatively promote the service, accommodation, convenience, or safety of the public

in some substantial way.” *City of York v. Pa. PUC*, 449 Pa. 136, 141, 295 A.2d 825, 828 (1972) (*City of York*). In establishing this precedent, the Court held that the statute’s clear command is that the Commission must find that the granting of a certificate “will affirmatively benefit the public.” *Id.* (overruling in part, *Northern Pennsylvania Power Co. v. Pa. PUC*, 333 Pa. 265, 267, 5 A.2d 133, 134).

The Supreme Court further held:

In conducting the underlying inquiry, the Commission is not required to secure legally binding commitments or to quantify benefits where this may be impractical, burdensome, or impossible; rather, the PUC properly applies a preponderance of the evidence standard to make factually-based determinations (including predictive ones informed by expert judgment) concerning certification matters.

*Popowsky v. Pa. PUC*, 594 Pa. 583, 611, 937 A.2d 1040, 1057 (2007) (*Popowsky*).

Further, the Court explained that demonstration of the affirmative public benefit does not require that every customer receive a benefit from the proposed transaction. *Id.* at 617-618, 937 A.2d at 1061. In addition, “in some circumstances conditions may be necessary to satisfy the Commission that public benefits sufficient to meet the requirement of Section 1103(a) will ensue.” *Id.* at n.21. The Commission can, under Section 1103(a), impose conditions that it deems just and reasonable. 66 Pa. C.S. § 1103(a).

One of the factors that the Supreme Court identified in the *City of York* for the Commission to consider, in determining whether there is an affirmative public benefit is:

[A]t least in a general fashion, the effect that a proposed merger is likely to have on future rates to consumers. Along with the likely effect of a proposed merger upon the service that will be rendered to consumers, the probable general

effect of the merger upon rates is certainly a relevant criteria of whether the merger will benefit the public.

*City of York*, 295 A.2d at 829.

In applying this specific factor, the Pennsylvania Commonwealth Court recently held that the Commission must perform “the balancing test required by Section 1102 of the Code to weigh all the factors for and against the transaction, *including the impact on rates*, to determine if there is a substantial public benefit.” *McCloskey v. Pa. PUC*, 195 A.3d 1055, 1066-1067 (Pa. Cmwlth. 2018), *appeal denied*, 207 A.3d 290 (Pa. 2019) (*McCloskey*) (emphasis added). While *McCloskey* held that rate impact must be addressed, it recognized that “the Commission is charged with deciding whether the impact of rates...is outweighed by ... other positive factors that...served [as] a substantial public benefit.” 195 A.3d at 1067.

The Commission and the courts have held that granting a certificate need not be “absolutely necessary” in order to be in the public interest. *See Hess v. Pa. PUC*, 107 A.3d 246, 262 (Pa. Cmwlth. 2014). The Commonwealth Court reasoned, “[n]ot only would this approach be impractical and unrealistic, it would actually pose a danger to the health, safety and welfare of the public.” *Id.* In addition, when considering the public interest, the Commission may consider how the benefits and detriments impact “*all affected parties*, and not merely one particular group or geographic subdivision.” *Middletown Twp. v. Pa. PUC*, 482 A.2d 674, 682 (Pa. Cmwlth. 1984) (emphasis in original); *see also, Dunk v. Pa. PUC*, 232 A.2d 231, 234-35 (Pa. Super. 1967), *aff’d*, 252 A.2d 589 (1969) (where public benefit included companies and customers other than the proponent utility).

To obtain a Certificate, the acquiring public utility has the burden, by a preponderance of the evidence, to establish that it is technically, legally, and financially

fit to provide the proposed service. *McCloskey*, 195 A.3d at 1058. An existing certificate holder is entitled to a “continuing presumption regarding its fitness to operate,” which includes a presumption that the certificate holder has a propensity to operate legally. *Lehigh Valley Transp. Servs., Inc. v. Pa. PUC*, 56 A.3d 49, 58 (Pa. Cmwlth. 2012) (*Lehigh Valley Transp.*); *South Hills Movers, Inc. v. Pa. PUC*, 601 A.2d 1308, 1310 (Pa. Cmwlth. 1992). It is the protestant’s burden to rebut that presumption. *Lehigh Valley Transp.* Where an Applicant is both presumed fit and sets forth affirmative evidence demonstrating fitness, this burden is particularly heavy. *Id.*

### **3. Ratemaking Rate Base Value, 66 Pa. C.S. § 1329**

Section 1329 of the Code establishes a process for ratemaking purposes to value the plant of municipal-owned water and wastewater systems to be acquired by certificated public utilities. 66 Pa. C.S. § 1329.<sup>5</sup> Under Section 1329, the value of water and wastewater system assets to be included in the acquiring utility’s rate base for ratemaking purposes will be the lesser of the purchase price negotiated by the acquiring utility and seller or the “fair market value” of the selling utility’s system. 66 Pa. C.S. § 1329(c)(2).

The fair market valuation process under Section 1329 where the acquiring utility and the seller must elect and agree to have the fair market value of the seller’s assets established through separate, independent appraisals conducted by Utility Valuation Experts (UVEs) is voluntary. 66 Pa. C.S. § 1329(a). The Commission maintains a list of qualified UVEs from which the acquiring utility and seller must choose their respective appraisers. 66 Pa. C.S. §§ 1329(a)(1), (2).

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<sup>5</sup> Governor Wolf signed into law Act 12 of 2016 (Act 12) on April 14, 2016. This Act amended Chapter 13 of the Code by adding a new section, Section 1329, which became effective on June 13, 2019. 66 Pa. C.S. § 1329.

The UVEs must prepare an appraisal of the seller's system assets in compliance with the Uniform Standards of Professional Appraisal Practice (USPAP), employing the cost, market and income approaches. 66 Pa. C.S. § 1329(a)(3). The fair market value of the system is defined as the average of the two separate UVE appraisals conducted in compliance with Section 1329(a)(3). 66 Pa. C.S. § 1329(g).

The Applicant must provide to the Commission copies of the appraisals; the purchase price; the ratemaking rate base; the closing costs; and, if applicable, a tariff and rate stabilization plan. 66 Pa. C.S. § 1329(d)(1).

#### **4. Utility-Municipal Contracts, 66 Pa. C.S. § 507**

Section 507 of the Code provides as follows regarding a utility's contract with a municipal corporation:

Except for a contract between a public utility and a municipal corporation to furnish service at the regularly filed and published tariff rates, no contract or agreement between any public utility and any municipal corporation shall be valid unless filed with the commission at least 30 days prior to its effective date. Upon notice to the municipal authorities, and the public utility concerned, the Commission may, prior to the effective date of such contract or agreement institute proceedings to determine the reasonableness, legality or any other matter affecting the validity thereof. Upon the institution of such proceedings, such contract or agreement shall not be effective until the Commission grants its approval thereof.

66 Pa. C.S. § 507. Thus, pursuant to Section 507, the Commission has discretionary power to institute proceedings to determine the reasonableness, legality and validity of the contracts between a municipality and a public utility. *Id.*; see also *County of Allegheny v. Pa. PUC*, 159 A.2d 227, 233 (Pa. Super. 1960).

## 5. Settlements in the Public Interest

Pursuant to our Regulations at 52 Pa. Code § 5.231, it is the Commission's policy to promote settlements. A full settlement of all the issues in a proceeding eliminates the time, effort and expense that otherwise would have been used in litigating the proceeding, while a partial settlement may significantly reduce the time, effort and expense of litigating a case. A settlement, whether whole or partial, benefits not only the named parties directly, but, indirectly, all customers of the public utility involved in the case. *Pa. PUC, et al. v. Columbia Gas of Pennsylvania, Inc.*, Docket Nos. R-2015-2468056, *et al.* (Order entered December 3, 2015) at 6-7. Despite this policy, the Commission does not simply rubber stamp settlements without determining whether the terms are in the public interest. *Pa. PUC v. Philadelphia Gas Works*, Docket No. M-00031768 (Order entered January 7, 2004); *Pa. PUC v. CS Water and Sewer Assoc.*, 74 Pa. P.U.C. 767 (1991); *Pa. PUC v. Philadelphia Electric Co.*, 60 Pa. P.U.C. 1 (1985).

## 6. General Standards

In the Recommended Decision, the ALJs made sixty Findings of Fact and reached twenty-four Conclusions of Law. *See* R.D. at 17-29, 84-87. The Findings of Fact and Conclusions of Law are incorporated herein by reference and are adopted without comment unless they are either expressly or by necessary implication rejected or modified by this Opinion and Order.

As we proceed in our review of the various positions of the Parties in this proceeding, we are reminded that the Commission is not required to consider expressly or at length each contention or argument raised by the parties. *Consolidated Rail Corp. v. Pa. PUC*, 625 A.2d 741 (Pa. Cmwlth. 1993); *also see, generally, University of Pennsylvania v. Pa. PUC*, 485 A.2d 1217 (Pa. Cmwlth. 1984). Exceptions that we do not

specifically address shall be deemed to have been duly considered and denied without further discussion.

## **B. Transaction Overview**

PAWC, a subsidiary of American Water Works Company, Inc. (American Water), is the largest regulated water and wastewater public utility duly organized and existing under the laws of the Commonwealth of Pennsylvania. PAWC furnishes water and wastewater service to the public in a service territory encompassing more than 400 communities in thirty-six counties and serves a combined population of over 2,400,000 residents across the Commonwealth. As of August 31, 2020, PAWC furnished water services to approximately 671,431 customers, and wastewater services to approximately 75,253 customers, in Pennsylvania. PAWC St. 1W at 13, 14; PAWC St. 1WW at 15.

Valley is a Second Class Township in Chester County, Pennsylvania with approximately 7,600 residents. Its water system is supplied by Township-owned wells and bulk water purchased from PAWC. Valley has a water treatment plant, a 150,000-gallon elevated tank, and approximately twenty-two miles of water mains. The water sources and the water system customers are metered. As of March 31, 2020, the Township's water system provided service to approximately 1,670 customers, including Valley residents and twenty-two residents of West Caln and East Fallowfield Townships. Valley St. 1W at 5; PAWC St. 1W at 15.

On December 17, 2019, PAWC and Valley entered into an Asset Purchase Agreement (APA) for the sale of substantially all of the assets, properties, and rights of the Valley's water system at an agreed-upon price of \$7,325,000. PAWC St. 1W at 12. As required by Section 1329, PAWC and Valley jointly retained the services of Pennoni Associates, Inc., (Pennoni) to complete the engineering assessment and original cost of the water system. PAWC Exh. KEG-2W, App. A-15-1. PAWC selected AUS

Consultants, Inc. (AUS), and Valley selected Gannett Fleming Valuation and Rate Consultants, LLC (Gannett Fleming), as their respective UVEs to prepare fair market value appraisals of the water system. AUS' fair market value report concluded that the value of the water system was \$11,570,369; Gannett Fleming's fair market value was approximately \$10,532,000. Both appraisals were prepared in compliance with the USPAP standards. PAWC St. 4W at 3; Valley St. 2W at 26.

In its Water Application, PAWC proposed a ratemaking rate base of \$7,325,000 based on the agreed-to purchase price of \$7,325,000. This amount is less than the average of the two UVE appraisals for the water system ( $(\$11,570,369 + \$10,532,000)/2 = \$11,051,185$ ). PAWC St. 3W at 6.

Valley's wastewater system is a collection system that discharges all sewage into PAWC's Coatesville wastewater system for final treatment. It is not a combined sewer system, nor is it a municipal separate storm sewer system. As of December 31, 2020, Valley's wastewater system provided service to approximately 3,125 customers. PAWC St. 2WW at 3-4, 14.

On December 17, 2019, PAWC and Valley entered into an APA for the sale of substantially all of the assets, properties, and rights of the Valley's wastewater system at an agreed-upon price of \$13,950,000. PAWC St. 1WW at 12. Similar to the Water Application, PAWC and Valley jointly retained the services of Pennoni to complete the engineering assessment and original cost of the Township's wastewater facilities. PAWC Exh. KEG-2WW, App. A-15-a. Additionally, PAWC selected AUS, and Valley selected Gannett Fleming, as their respective UVEs to prepare fair market value appraisals of the wastewater system. AUS' fair market value report concluded that the value of the wastewater system was \$19,081,059; Gannett Fleming's fair market value was approximately \$19,846,000. Both appraisals were prepared in compliance with USPAP standards. PAWC St. 4WW at 3; Valley St. 2WW at 26.

In its Wastewater Application, PAWC proposed a ratemaking rate base for the wastewater system of \$13,950,000, based on the agreed-to purchase price of \$13,950,000. This amount was less than the average of the two UVE appraisals for the wastewater system ( $\$19,081,059 + \$19,846,000 = \$38,927,059/2 = \$19,463,530$ ). PAWC St. 3WW at 6.

## **C. Settlement**

As stated above, the Parties reached a Settlement in this proceeding. In the Joint Petition filed by PAWC, I&E, the OCA, the OSBA, and Valley, all of the issues that were the subject of litigation in this proceeding were resolved. The Joint Petition contained proposed Findings of Fact, proposed Conclusions of Law and proposed Ordering Paragraphs. The Joint Petition also referenced any filings needed to complete the Settlement, including (without limitation) the PAWC-proposed Tariffs which had been appended to PAWC's Applications.

### **1. Terms of the Settlement**

The principal terms of the Settlement are set forth below, as submitted by the Joint Petitioners. The original paragraph numbers and subheadings have been retained.

#### **A. Approval of Applications**

28. The Commission should approve PAWC's acquisition of Valley's Water and Wastewater Systems (the "Transaction") and PAWC's right to begin to offer, render, furnish, or supply Water and Wastewater service in the areas served by Valley, as well as any other necessary approvals or certificates for the Transaction, subject to approval of all of the following conditions and without modification.

## **B. Tariff**

29. The *pro forma* tariff submitted as **Amended Appendix A-12** for Valley's Water System, and the *pro forma* tariff submitted as **Second Amended Appendix A-12** for Valley's Wastewater System, including all rates, rules and regulations regarding conditions of PAWC's water and wastewater service, shall be permitted to become effective immediately upon closing of the Transaction ("Closing").

## **C. Fair Market Value for Ratemaking Rate Base Purposes**

30. Pursuant to 66 Pa. C.S. § 1329, PAWC shall be permitted to use \$13,950,000 for ratemaking rate base purposes for the acquired Wastewater System, and \$7,325,000 for the acquired Water System, effective as of the day of Closing.

## **D. Fair Market Value Appraisals**

31. In future acquisitions by PAWC under 66 Pa. C.S. § 1329 filed subsequent to the Commission's approval of this Settlement without modification, PAWC shall clearly document the date on which it engaged or otherwise authorized its utility valuation expert to perform the fair market value appraisal of the system.

## **E. Engineering Assessment**

32. PAWC will act to ensure that, in any future Section 1329 applications it submits, the engineering assessment required under 66 Pa. C.S. § 1329(a)(4) will designate the condition of the inventory and assets appraised. Such designation of condition shall be limited to whether the categories of system assets appraised are in poor, fair, good, or very good condition.

## **F. Easements, Rights of Way, and Liens**

33. PAWC and Valley will continue to work to achieve the transfer of all real property rights, including all real estate, easement rights, access to public rights-of-way,

and liens that must be transferred to PAWC in the Water APA and the Wastewater APA by Closing (collectively, the “Real Property Rights”). However, PAWC shall be permitted in its discretion to close without the transfer of all of the Real Property Rights, provided that an escrow is established from the Purchase Price to be used to obtain any post-Closing transfers of the Real Property Rights. PAWC will provide an update to I&E, OCA, and OSBA approximately 30 days in advance of the anticipated day of Closing and a final update before Closing regarding the status of the transfer of the Real Property Rights.

#### **G. Inflow and Infiltration Study**

34. PAWC shall complete an Inflow and Infiltration (“I&I”) study of the Valley Wastewater System following Closing and provide the results of that study to I&E, OCA and OSBA upon completion. The costs of the I&I study will be subject to prudence review when they are claimed for recovery in base rates.

#### **H. Rates**

35. Except as explicitly agreed upon in this Settlement, nothing contained herein or in the Commission’s approval of the Application shall preclude any Joint Petitioner from asserting any position or raising any issue regarding Valley’s water or wastewater rates in a future PAWC proceeding.

36. In the first base rate case that includes Valley’s Wastewater System:

A. PAWC will propose to move Valley’s Wastewater System to 1.25x the current Valley wastewater rate or PAWC’s proposed Rate Zone 1 system-average wastewater rates, whichever is lower.

B. PAWC may propose an effective date for new rates for Valley wastewater customers that is different from the effective date of new rates for other customers.

C. PAWC may agree to rates other than those proposed for Valley wastewater customers in the context of a settlement of the base rate case.

D. OCA, I&E and OSBA reserve their rights to address PAWC's rate proposals fully, and to make other rate proposals.

E. The current rate for Valley's residential wastewater customers with an average usage of 3,630 gallons per month is approximately \$62.25.

37. In the first base rate case that includes Valley's Water System:

A. PAWC will propose to move Valley's Water System to 2.0x the current Valley water rate or PAWC's proposed Rate Zone 1 system-average water rates, whichever is lower.

B. PAWC may propose an effective date for new rates for Valley water customers that is different from the effective date of new rates for other customers.

C. PAWC may agree to rates other than those proposed for Valley water customers in the context of a settlement of the base rate case.

D. OCA, I&E and OSBA reserve their rights to address PAWC's rate proposals fully, and to make other rate proposals.

E. The current rate for Valley's residential water customers with an average usage of 3,630 gallons per month is approximately \$30.05.

#### **I. Distribution System Improvement Charge**

38. Pursuant to 66 Pa. C.S. § 1329, PAWC shall be permitted to collect a distribution system improvement charge ("DSIC") prior to the first base rate case in which the Valley water or wastewater service area plant-in-service is

incorporated into rate base; provided, however, that such permission shall be conditioned upon (i) PAWC's filing of an amended water or wastewater Long-Term Infrastructure Improvement Plan ("Amended LTIP") which does not re-prioritize other existing commitments in other service areas, (ii) the Commission's approval of the Amended LTIP, as may be modified in the discretion of the Commission, and (iii) PAWC's filing of a compliance tariff supplement which incorporates Valley's Water or Wastewater System into its existing DSIC tariff, including all customer safeguards applicable thereto, after Commission approval of the Amended LTIP.

#### **J. Claims for Allowance for Funds Used During Construction and Deferred Depreciation**

39. The Joint Petitioners acknowledge that the Applications include requests that (i) PAWC be permitted to accrue Allowance for Funds Used During Construction ("AFUDC") for post-acquisition water and wastewater improvements not recovered through the DSIC for book and ratemaking purposes, and (ii) PAWC be permitted to defer depreciation related to post-acquisition water and wastewater improvements not recovered through the DSIC for book and ratemaking purposes. Any claims for AFUDC and deferred depreciation related to post-acquisition water and wastewater improvements not recovered through the DSIC for book and ratemaking purposes will be addressed in PAWC's first base rate case which includes Valley's Water System and Wastewater System. The Joint Petitioners reserve their rights to litigate their positions fully in future rate cases when these issues are ripe for review. The Joint Petitioners' assent to this term should not be construed to operate as their preapproval of PAWC's requests.

#### **K. Transaction and Closing Costs**

40. The Joint Petitioners acknowledge that the Applications include requests that PAWC be permitted to claim transaction and closing costs associated with the acquisition of Valley's Water and Wastewater Systems. The Joint Petitioners agree that they will not contest these requests in this proceeding, but they reserve their rights to litigate their

positions fully in future rate cases when this issue is ripe for review. The Joint Petitioners' assent to this term should not be construed to operate as their preapproval of PAWC's request.

41. The inclusion of outside legal fees, if any, in PAWC's transaction and closing costs under the Water APA and the Wastewater APA shall be separately identified in PAWC's next base rate case and amounts expended by PAWC on behalf of Valley will be separately identified. The OCA, I&E and OSBA reserve the right to challenge the reasonableness, prudence, and basis for such fees.

#### **L. Low Income Program Outreach**

42. Within the first billing cycle following Closing on the Water System and the Wastewater System, PAWC shall include a bill insert to Valley's water and wastewater customers regarding PAWC's low income programs and shall include such information in a welcome letter to Valley's water and wastewater customers. The bill insert and welcome letter shall include, at a minimum, a description of the available low income programs, eligibility requirements for participation in the programs, and PAWC's contact information. PAWC also agrees to ongoing, targeted outreach to PAWC's Valley-area water and wastewater customers regarding its low income program

43. In the same welcome packet referenced above, PAWC will explicitly inform acquired customers that they are being converted to monthly billing. PAWC's letter should also direct acquired customers to contact PAWC with any questions about the conversion and/or to discuss low-income programming options that may be available.

#### **M. Approval of Section 507 Agreements**

44. Pursuant to 66 Pa. C.S. § 507, the Commission shall issue Certificates of Filing or approvals for the following agreements between PAWC and a municipal corporation:

A. The Sanitary Sewer Asset Purchase Agreement By and Between Valley as Seller and PAWC as Buyer, dated as of December 17, 2019;

B. The November 16, 1988 Sewer and Water Service Agreement Between West Caln Township, Valley, Valley Township Authority and Highlands Corporate Center;

C. The Water Asset Purchase Agreement By and Between Valley as Seller and PAWC as Buyer, dated as of December 17, 2019; and

D. The November 15, 2011 Agreement between Valley and Sadsbury Township.<sup>5</sup>

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<sup>5</sup> The OCA does not join in this paragraph but does not oppose PAWC's request.

**N. Other Necessary Approvals**

45. The Commission shall issue any other approvals or certificates appropriate, customary, or necessary under the Code to carry out the Transaction contemplated in the Applications in a lawful manner.

**O. Public Input Hearing**

46. The Parties cooperated in good faith with Commission staff to promptly schedule one telephonic public input hearing in this matter. The Parties agreed that, for purposes of this proceeding, the public input hearing did not require newspaper notice and that notice (1) by joint PAWC and Valley press release, (2) by PAWC's and Valley's social media, and (3) by notice on PAWC's and Valley's websites, was adequate.

## **D. Recommended Decision**

The ALJs began by emphasizing that the Joint Petitioners submitted a unanimous Settlement of all issues and that Commission policy promotes settlements. The ALJs explained that settlements lessen the time and expense the parties must expend litigating a case and at the same time conserve administrative resources. Additionally, the ALJs noted that the focus of inquiry for determining whether a proposed settlement should be recommended for approval is not a “burden of proof” standard, as is utilized for contested matters. Rather, the benchmark for determining the acceptability of a settlement or partial settlement is whether the proposed terms and conditions are in the public interest. Additionally, the ALJs highlighted that parties to settled cases are afforded flexibility in reaching amicable resolutions, so long as the settlement is in the public interest. R.D. at 69.<sup>6</sup>

### **1. Fitness**

Before addressing the whether the Settlement is in the public interest, the ALJs analyzed whether PAWC is technically, financially, and legally fit to own and operate Valley’s water and wastewater systems, pursuant to 66 Pa. C.S. § 1103. Here, the ALJs noted that PAWC, as a certified public utility, enjoys a rebuttable presumption that it possesses the requisite fitness. Although no Party challenged the Company’s fitness, the ALJs determined that PAWC introduced substantial evidence demonstrating its technical, legal, and financial fitness. R.D. at 70.

Regarding technical fitness, the ALJs stated that PAWC is the Commonwealth’s largest water and wastewater provider, furnishing service to more than

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<sup>6</sup> The ALJs summarized the Statements in Support of the Settlement setting forth the bases upon which each of the Joint Petitioners believe the Settlement to be in the public interest. *See* R.D. at 37-69.

400 communities in thirty-six counties, serving a combined population in excess of 2,400,000. Noting the Company's employment of approximately 1,100 professionals with expertise in all areas of water and wastewater utility operations, the ALJs also highlighted PAWC's status as a subsidiary of American Water Works with availability to additional highly-trained professionals with expertise in specialized areas. According to the ALJs, these operations and process experts have deep experience in the operation and maintenance of different types of wastewater technologies. Further, the ALJs noted PAWC's ongoing program of capital investment focused on systematically replacing and adding new pipes and infrastructure and its funding of over \$1 billion in infrastructure investment in the past five years. R.D. at 70 (citing PAWC St 1W at 13; PAWC St. 2W at 6-7; and PAWC St. 2WW at 7-8).

As to legal fitness, the ALJs proffered that PAWC has a record of environmental compliance, a commitment to invest in necessary capital improvements and resources, and the experienced managerial and operating personnel necessary to provide safe and reliable wastewater service to the existing customers of Valley. The ALJs noted PAWC's good compliance history with the Commission and that there are currently no legal proceedings that would suggest that PAWC is not legally fit to provide service in Valley. R.D. at 70-71 (citing PAWC St. 1W at 14, 17; PAWC St. 1WW at 14, 17).

Regarding financial fitness, the ALJs stated that PAWC had total assets of approximately \$5.3 billion as of December 31, 2019, and a net income of approximately \$187 million for the twelve months ending December 31, 2019. In addition to the Company's positive operating cash flows, the ALJs highlighted that PAWC may obtain financing through a \$400 million line of credit, long term debt financing, and equity investments. R.D. at 71 (citing PAWC St. 3W at 4-5; PAWC St. 3WW at 4-5).

## **2. Public Interest Analysis**

After establishing the Company's fitness pursuant to Section 1103 of the Code, the ALJs addressed each of the major aspects of the Settlement to determine if the overall transaction is in the public interest. The ALJs' public interest disposition corresponds with the outline of terms set forth in the Settlement.

### **a. Approval of the Applications**

The ALJs considered whether the transaction and PAWC's ownership and operation of Valley's water and wastewater systems will affirmatively promote the service, accommodation, convenience, or safety of the public in some substantial way. Here, the ALJs noted the Parties' agreement in their Statements in Support that the transaction benefits all of the stakeholder groups including the public-at large, Valley as seller of the systems, the existing customers of Valley's water and wastewater systems, and the existing customers of PAWC. R.D. at 71-72.

The ALJs reasoned that the transaction benefits members of the public-at-large by promoting the Commission's policy favoring regionalization and consolidation of water and wastewater systems. Additionally, the transaction benefits members of the public-at-large by promoting the General Assembly's policy goals when it enacted Section 1329. R.D. at 72 (citing 52 Pa. Code § 69.721(a); PAWC St. 1W at 15; and PAWC St. 1WW at 15).

The ALJs also highlighted the environmental benefits for the public-at-large and noted that PAWC is in a better position than Valley to maintain environmental compliance for the water and wastewater systems. The ALJs cited the Company's ability to draw upon a much broader range of engineering and operational experience, as well as deeper financial resources to address the environmental compliance challenges of the

systems. The ALJs further noted PAWC's plans for making capital improvements during the five years after closing of the transaction. R.D. at 72 (citing PAWC St. 2W at 5-6, PAWC Exh. MJG-1W; PAWC St. 2WW at 6-7; and PAWC Exh. MJG-1WW).

In addition to benefiting the public-at-large, the ALJs referenced the benefits to Valley as seller of the systems. These include the improvement of Valley's financial condition and outlook by increasing its reserve fund and eliminating debt. The ALJs determined that the enhancement of the Township's financial stability will help it eliminate debt, mitigate against the risk of any future revenue shortfalls, and allow for allocation of resources to other redevelopment opportunities in the Township that would otherwise be unattainable. Additionally, the ALJs noted that the transaction will increase Valley's tax base through increased development opportunities. R.D. at 72 (citing Valley St. 1W at 3-4, 10; Valley St. 1WW at 3-4, 9-10).

Regarding Valley's existing customers, the ALJs stated that they will receive benefits similar to the benefits received by members of the public-at-large. In addition, the ALJs explained that because PAWC is a Commission-regulated utility, Valley customers will gain the protection of the Code, the Commission, and the public advocacy of I&E, the OCA, and the OSBA. Moreover, the ALJs noted that Valley customers will gain access to PAWC's customer assistance programs and benefit from the Company's plan to invest millions of dollars to improve the water and wastewater systems. R.D. at 73 (citing PAWC St. 1W at 16; PAWC St. 1WW at 15-16; PAWC St. 2W at 5-6, 11-13; PAWC Exh. MJG-1W; PAWC St. 2WW at 6-7, 13-14; PAWC Exh. MJG-1WW).

The ALJs further reasoned that the transaction benefits PAWC's existing wastewater customers in the same way that it benefits all other members of the public-at-large. The ALJs also noted the specific benefits for PAWC's existing wastewater customers of adding approximately 3,125 wastewater customers to PAWC's existing

wastewater customer base of approximately 75,253 customers (or an increase of more than 4.1%). Moreover, the ALJs stated that the transaction will have no immediate rate impact on PAWC's existing wastewater customers; any impacts on the rates of the Company's existing customers would occur only upon Commission approval as part of a base rate proceeding. R.D. at 73 (citing PAWC St. 1WW at 14. PAWC St. 3WW at 9).

As to the benefits for PAWC's existing water customers, the ALJs again referenced the similarity to the benefits received by other members of the public at large. The ALJs further noted the addition of approximately 1,670 new water customers to PAWC's existing water customer base of approximately 671,431 customers (or an increase of about 0.2%). The ALJs reasoned that the transaction will have no immediate rate impact on PAWC's existing water customers; any impacts on the rates of PAWC's existing customers would occur only upon Commission approval as part of a base rate proceeding. Additionally, the ALJs explained that PAWC's acquisition of the wastewater system will only impact the rates of the Company's existing water customers, pursuant to 66 Pa. C.S. § 1311(c), if in a future rate case the Commission determines that an allocation of PAWC's wastewater requirement to water customers is "in the public interest." R.D. at 73-74 (citing PAWC St. 1W at 15; PAWC St. 1WW at 15-16; and PAWC St. 3W at 9).

In summary, the ALJs determined that the Settlement term pertaining to approval of the Applications was in the public interest. R.D. at 74.

#### **b. Tariff**

Addressing the tariff provision of the Settlement, the ALJs noted that PAWC submitted *pro forma* tariffs with the Applications, which include all rates, rules, and regulations regarding conditions of the Company's water and wastewater service and requested that the tariffs become immediately effective upon closing of the transaction.

Here, the ALJs acknowledged that all the Parties agree that the *pro forma* tariffs submitted by PAWC should become effective immediately upon closing of the transaction. Thus, the ALJs implicitly determined that the tariff provision of the Settlement satisfies the public interest standard. R.D. at 74.

**c. Fair Market Value for Ratemaking Rate Base Purposes**

The ALJ acknowledged the agreement of PAWC and Valley to use the voluntary procedure for valuing the systems set forth in Section 1329 of the Code. Additionally, the ALJs noted the submitted appraisal values of the respective UVEs and that PAWC sought a ratemaking rate base of \$13,950,000 for Valley’s wastewater system and \$7,325,000 for Valley’s water system, based on the price the Company agreed to pay for the Township’s systems. R.D. at 75.

The ALJ explained that in the Settlement, the Joint Petitioners agree that \$13,950,000 (the purchase price) will be included in PAWC’s rate base in its next rate case due to the acquisition of the wastewater system, and \$7,325,000 (the purchase price) will be included in PAWC’s rate base in its next rate case due to the acquisition of the water system. The ALJ emphasized that the requested ratemaking rate bases are less than the average of the UVE appraisals. *Id.*

Regarding the agreed ratemaking rate base, the ALJs determined that the Joint Petitioners fully considered the rate impact of the transaction as required by *McCloskey*. The ALJs credited the testimony of the sole witness at the public input hearing. Further, the ALJs reasoned that the evidence of record supports a conclusion that the Commission, using the various ratemaking tools available to it, can set rates for PAWC’s customers prospectively that are “just and reasonable” under Section 1301 of the Code. Moreover, the ALJs cited to numerous other affirmative public benefits of a substantial nature. R.D. at 75 (citing PAWC St. 1W at 15-75; PAWC St. 1WW at 15-16;

PAWC St. 2W at 5-15; PAWC St. 2 WW at 6-16; Valley St. 1W at 3-4, 9-12; Valley St. 1WW at 3-4, 9-11). According to the ALJs, the transaction should not be disapproved based on speculation about future impacts on rates, as the rate impacts of the Transaction were thoroughly evaluated by the Joint Petitioners. Specifically, the ALJs concluded that the agreed-upon ratemaking rate base of \$13,950,000 for Valley's wastewater system and \$7,325,000 for Valley's water system is supported by substantial record evidence. R.D. at 75-76.

**d. Fair Market Value Appraisals**

The ALJs referenced Section 1329(a)(5) of the Code, 66 Pa. C.S. § 1329(a)(5), which requires each UVE to provide the completed appraisal to its client within ninety days of executing the service contract. The ALJs also noted PAWC's assertion that its standard operating procedure is to execute an Agreement for Valuation Consulting Services before the engineer's assessment is completed (and therefore before the UVE can begin its appraisal). The ALJs asserted that the Settlement provides that the UVE will not begin performing services until the issuance of a notice to proceed. R.D. at 76.

The ALJs emphasized that the Settlement requires PAWC to clearly document the date on which it authorized its UVE to perform the fair market value appraisal of the system being appraised, to demonstrate compliance with Section 1329(a)(5) of the Code. Therefore, the ALJs concluded that this Settlement term is in the public interest. *Id.*

**e. Engineering Assessment**

The ALJs stated that the engineer's assessment completed in this case provides information about the assets to be acquired by PAWC but does not indicate the

condition of those assets. In response, the Joint Petitioners have agreed that, in future Section 1329 acquisitions, the engineering assessment under 66 Pa. C.S. § 1329(a)(4) will designate the condition of the inventory and assets appraised, and all categories of system assets will be appraised in poor, fair, good, or very good condition. The ALJs acknowledged that this will assist the UVEs in completing their appraisal of the system being acquired. R.D. at 76.

However, the ALJs recommended the modification of this Settlement term in two ways. First, the ALJs indicated that an engineer does not complete an appraisal, but rather completes an inventory of assets and identifies the condition of those assets. Second, the ALJs asserted that the Settlement should not limit the professional opinion of the engineer who is completing the inventory to “poor, fair, good, or very good,” as there is no set scale to identify the condition of an asset. *Id.*

Therefore, the ALJs recommended that the Settlement be modified such that PAWC will act to ensure that, in any future Section 1329 applications it submits, the engineering assessment under 66 Pa. C.S. § 1329(a)(4) “will designate the condition of the inventory and assets *to be* appraised, and the condition of all categories of system assets *to be* appraised will be designated according to the professional opinion of the engineer completing the assessment, which may include, but shall not be limited to, categories of ‘poor, fair, good, or very good.’” R.D. at 77 (emphasis in original). Additionally, the ALJs recommended that the engineer’s designation of the condition of inventoried assets “shall include descriptive terms such as rust, dents, visible leaks, cracking, bulging, chipping, refurbished, reconditioned and so forth for the utility valuation expert to complete an appraisal.” *Id.*

**f. Easements, Rights of Way and Liens**

The ALJs stated that the Settlement requires PAWC and Valley to continue to work to achieve the transfer of all the real property rights. However, the ALJs noted that, subject to the commitments and Settlement provisions, the Settlement gives PAWC discretion to close without the transfer of all of the real property rights, provided that an escrow is established from the purchase price to be used to obtain any post-closing transfers of the real property rights. According to the ALJs, these provisions are in the public interest because they ensure the transfer of all the Real Property Rights that PAWC will need to own and operate the System. R.D. at 77 (citing Settlement at ¶ 33).

Additionally, the ALJs referenced PAWC's commitment to providing I&E, the OCA, and the OSBA with an update on the status of the transfer of the real property rights related to the system within thirty days in advance of the anticipated closing date and, thus, providing the Parties with a mechanism to gauge Valley's progress in meeting its property transfer obligations. The ALJs found that this reporting mechanism further protects the public interest. Specifically, the ALJs determined that PAWC's commitment to inform I&E of the status of any missing property rights will empower I&E to take any action that may be warranted and available to ensure that the Company's ratepayers are not paying for property rights that are not obtained or paying any costs associated with obtaining those rights. The ALJs further acknowledged PAWC's ability to monitor any missing easements to either ensure that it does not encounter access issues, or, if such issues are identified, that it can immediately address such issues. R.D. at 77-78.

**g. Inflow and Infiltration Study**

The ALJs referenced I&E's Statement in Support that there is no way of knowing the existence and extent of any inflow and infiltration issue unless a study is performed. PAWC's commitment to performing the study, according to the ALJs, is

important because depending on the results, it could trigger the need for remediation work that has not yet been identified. R.D. at 78.

The ALJs determined that the Settlement protects the public interest by ensuring that PAWC will complete an inflow and infiltration study of Valley's wastewater system after closing, which is necessary to ensure that the system's condition is known and addressed in a manner consistent with PAWC's obligation to provide safe and effective service, pursuant to 66 Pa. C.S. § 1501. Additionally, the ALJs found the public interest to be further protected in that I&E, the OCA, the OSBA, and the Commission will be able to address the reasonableness and prudence of the cost of the necessary studies in a future PAWC base rate proceeding when these costs are known and identified, thereby protecting ratepayers from paying unwarranted or unreasonable costs. Thus, the ALJs concluded that this term is in the public interest and recommended its approval without modification. *Id.*

#### **h. Rates**

Regarding the terms of the rates to be charged to Valley customers, the ALJs determined that the Settlement is consistent with 66 Pa. C.S. § 1329(d)(1)(v) in that it requires PAWC to charge rates after closing that are equal to Valley's existing rates. The ALJs also cited to Paragraph 36 of the Settlement, which requires PAWC, in the first base rate case that includes Valley, to propose moving Valley's wastewater customers' rates to 1.25x the current Valley wastewater rate or PAWC's proposed Rate Zone 1 system-average wastewater rates, whichever is lower. Similarly, Paragraph 37 of the Settlement, requires PAWC, in the first base rate case that includes Valley, to propose moving Valley's water customers' rates to 2.0x the current Valley water rate or PAWC's proposed Rate Zone 1 system-average water rates, whichever is lower. According to the ALJs, these provisions are in the public interest because they limit the potential

subsidization of Valley’s customers by PAWC’s existing water and wastewater customers. R.D. at 78-79.

The ALJs further reasoned that the Settlement permits PAWC to agree to rates other than those proposed for Valley customers in the context of a settlement of a base rate case. However, the ALJs indicated that the Settlement does not preclude any Joint Petitioner from asserting any position or raising any issue in a future PAWC base rate proceeding. Furthermore, the ALJs noted that the Settlement contains no provision purporting to restrict the Commission’s ultimate ratemaking authority to set “just and reasonable” rates. *Id.* at 79.

The ALJs concluded that these provisions are consistent with the Code, represent a reasonable compromise among the Joint Petitioners, and are, thus, in the public interest. *Id.*

**i. Distribution System Improvement Charge (DSIC)**

The ALJs explained that Section 1329(d)(4) of the Code, 66 Pa. C.S. § 1329(d)(4), permits an acquiring public utility to collect a DSIC from the date of closing on the transaction until new rates are approved in the utility’s next base rate case. To qualify for DSIC recovery, the ALJs added, a utility must submit a Long-Term Infrastructure Improvement Plan (LTIIP) and receive approval of the LTIIP from the Commission. R.D. at 79.

The ALJs noted that PAWC has previously received Commission approval for both a wastewater and a water LTIIP, as well as Commission approval of both a wastewater DSIC tariff and a water DSIC tariff, for other portions of its wastewater and water systems. In its Applications, PAWC requested conditional approval to implement DSICs for the Valley water and wastewater service territories. The ALJs summarized

that pursuant to the Settlement, PAWC may file amended water and wastewater LTIPs for the Valley water and wastewater service territories that do not reprioritize other existing capital improvements that the Company has already committed to undertake in other service areas. Following Commission approval of those amended LTIPs, PAWC could make a tariff supplement compliance filing, which would include the Valley water and wastewater service territories in PAWC's existing DSIC tariff. R.D. at 79-80 (citing Settlement at ¶ 38).

The ALJs found this Settlement term to be in the public interest because it recognizes the Commission's authority to modify PAWC's LTIP submissions and that it is consistent with the Code and *Implementation of Act 11 of 2012*, Docket No. M-2012-2293611 (Final Implementation Order entered August 2, 2012). R.D. at 79.

**j. Claims for Allowance for Funds Used During Construction (AFUDC) and Deferred Depreciation**

In their examination of the AFUDC term of the Settlement, the ALJs noted that Section 1329(f)(1) of the Code, 66 Pa. C.S. § 1329(f)(1), permits an acquiring public utility to accrue AFUDC on post-acquisition improvements that are not included in a DSIC, from the date the cost was incurred until the earlier of the following events: the asset has been in service for a period of four years, or the asset is included in the acquiring utility's next base rate case. The ALJs stated that in the Water Application, PAWC requested permission to accrue AFUDC on post-acquisition water improvements that are not included in a DSIC. Similarly, in the Wastewater Application, PAWC requested permission to accrue AFUDC on post-acquisition wastewater improvements that are not included in a DSIC. The ALJs acknowledged that the Settlement makes clear that the other Joint Petitioners do not oppose this request and they reserve their rights to litigate their positions fully in future rate cases. R.D. at 80 (citing Settlement at ¶ 39).

Regarding the deferral of the depreciation term, the ALJs cited to Section 1329(f)(2) of the Code, 66 Pa. C.S. § 1329(f)(2), which permits an acquiring public utility to defer depreciation on its post-acquisition improvements that are not included in a DSIC. The ALJs explained that in the Water Application, PAWC requested permission to defer depreciation on post-acquisition water improvements that are not included in a DSIC. Similarly, in the Wastewater Application, PAWC requested permission to defer depreciation on post-acquisition wastewater improvements that are not included in a DSIC. Again, the ALJs highlighted the Settlement which makes clear that the other Joint Petitioners do not oppose this request and they reserve their rights to litigate their positions fully in future rate cases. R.D. at 80-81.

The ALJs concluded that the Settlement terms pertaining to AFUDC and deferred depreciation were in the public interest. *Id.* at 81.

**k. Transaction and Closing Costs**

Moving to the transaction and closing costs provision at Paragraph 40 of the Settlement, the ALJs cited Section 1329(d)(1)(iv) of the Code, 66 Pa. C.S. § 1329(d)(1)(iv), which permits an acquiring public utility to include, in its next base rate case, a claim for the transaction and closing costs incurred for the acquisition. The ALJs explained that the Settlement acknowledges that PAWC may, in the first base rate case that includes the Valley systems, include the transaction and closing costs incurred in this proceeding. Here, the ALJs recognized that the Commission may adjudicate the ratemaking treatment of PAWC's claimed Transaction and closing costs at that time. Moreover, the ALJs noted that the Settlement notes that the Joint Petitioners do not oppose this request and they reserve their rights to litigate their positions fully in future rate cases. Accordingly, the ALJs found these provisions to be reasonable and in the public interest and should be approved. R.D. at 81.

Furthermore, the ALJs referenced the Settlement's requirement at Paragraph 41 that the inclusion of outside legal fees, if any, in PAWC's transaction and closing costs shall be separately identified in PAWC's next base rate case and amounts expended by PAWC on behalf of Valley will be separately identified. The ALJs acknowledged the reservation of rights by the OCA, I&E and the OSBA to challenge the reasonableness, prudence, and basis for such fees. In conclusion, the ALJs found this provision to be in the public interest because it will allow the statutory parties to consider whether these fees should be considered prudent closing costs in the next base rate case. *Id.*

**l. Low Income Program Outreach**

Addressing the Low Income Program Outreach provisions, the ALJs explained that the Settlement requires PAWC, at a minimum, to notify Valley's customers of its low income programs, including a description of the available low income programs, participation eligibility requirements, and PAWC's contact information, which must be provided within the first billing cycle following closing and in a welcome letter to Valley's customers. The welcome packet must also inform Valley's customers that they are being converted to monthly billing. The ALJs concluded that these provisions of the Settlement are reasonable and in the public interest. R.D. at 81-82.

**m. Approval of Section 507 Agreements**

The ALJs explained that Section 507 of the Code, 66 Pa. C.S. § 507, requires that contracts between a public utility and a municipal corporation (except for contracts to furnish service at regular tariffed rates) be filed with the Commission at least thirty days before the effective date of the contract to be valid. Pursuant to this provision, the Commission may allow the contract to become valid and issue a certificate of filing,

unless prior to the effective date of the contract, it decides to institute proceedings to determine whether there are any issues with the reasonableness, legality, or any other matter affecting the validity of the contract. R.D. at 82.

Referencing Paragraph 44 of the Settlement, the ALJs stated that the Joint Petitioners request the issuance of Certificates of Filing, pursuant to Section 507, for the following agreements: (a) the Sanitary Sewer Asset Purchase Agreement By and Between Valley as Seller and PAWC as Buyer, dated December 17, 2019; (b) the November 16, 1988, Sewer and Water Service Agreement Between West Caln Township, Valley, Valley Township Authority, and Highlands Corporate Center; (c) the Water Asset Purchase Agreement By and Between Valley as Seller and PAWC as Buyer, dated as of December 17, 2019; and (d) the November 5, 2011, Agreement between Valley and Sadsbury Township. R.D. at 82.

According to the Settlement, the ALJs continued, the issuance of certificates of filing or approvals of these agreements is necessary to allow PAWC to provide service to the service territory currently served by Valley Township. Additionally, the ALJs noted that Commission approval of a contract under Section 507 is only required when the Commission institutes proceedings to determine the reasonableness, legality or any other matter affecting the validity of the contract. Here, the ALJs reasoned, that the Commission has not initiated an investigation of the subject agreements and that, absent an investigation, the Commission should issue the requested Certificates of Filing. Accordingly, the ALJs recommended the issuance of the Certificates of Filings for the referenced agreements as being in the public interest. R.D. at 82.

**n. Other Necessary Approvals**

The ALJs explained that the Settlement includes a provision requesting that the Commission issue any other approvals or certificates that might be necessary to carry out PAWC's acquisition of Valley's water and wastewater systems. Noting the Joint Petitioners belief that other approvals or certificates are not necessary, the ALJs stated that this provision is included out of an abundance of caution in case the Joint Petitioners inadvertently overlooked a necessary approval. Because the ALJs determined that the transaction is in the public interest, the ALJs concluded that this Settlement term, to the extent it permits the transaction to be completed, is also the public interest. R.D. at 83.

**o. Commissioner Yanora's Directed Questions**

The ALJs referenced the Directed Questions pertaining in part to lead service lines, cross-connections and backflow prevention devices. Citing to the Supplemental Direct testimony in response to the Directed Questions and the subsequent questioning of the witnesses during the evidentiary hearing, the ALJs stated generally that the contingent nature of the responses to the directed questions was concerning. However, the ALJs concluded that when viewing the Settlement in its totality its approval is recommended with modification as being in the public interest. R.D. at 83.<sup>7</sup>

**3. Conclusion**

In conclusion, the ALJs recommended that the Settlement be approved by the Commission with modification, because it is in the public interest. According to the ALJs, the Settlement will ensure that the Township residents will receive high quality

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<sup>7</sup> The Directed Questions will be addressed in detail below in Section II.E. of this Opinion and Order.

water and wastewater service from PAWC, a certificated public utility with the necessary financial, technical and legal resources to provide that service into the foreseeable future. Bringing the Township's existing customers into PAWC's customer base, the ALJs continued, will also ensure that Township residents will have access to the Commission's procedures for investigating and enforcing any complaints that the residents may have regarding the Township's water and wastewater services. R.D. at 84.

Additionally, the ALJs reasoned that, although the Joint Petitioners in this proceeding acknowledge that PAWC may apply for a rate increase in the near future, any such rate increase application will be subject to the Commission's jurisdiction. The Company would be required to apply for any increase and interested parties, including existing customers, will be able to intervene in any such proceeding. The ALJs asserted that any requested increase would ultimately be subject to approval by the Commission, and the Commission would have the authority to approve, deny or modify any such requested increase. *Id.*

#### **E. Commissioner Yanora's Directed Questions**

On July 1, 2021, Commissioner Yanora requested that the Parties address certain issues, including questions pertaining to lead service lines, cross-connections and backflow prevention devices. The specific inquiries are as follows:

- 1) The estimated number of company-owned lead service lines and the number of customer-owned lead service lines in the Valley Township water distribution system (VTWDS);
- 2) PAWC's efforts to include VTWDS in its Act 120 of 2018, 66 Pa. C.S. § 1311(b)(2), customer-owned lead service line replacements;
- 3) PAWC's efforts to include VTWDS in its tariff cross-connection control requirements regarding 25 Pa. Code

§§ 109.709, 109.609 and any applicable provisions of the International Plumbing Code;

- 4) Compliance materials of PAWC's efforts to include VTWDS in its operation and maintenance plans required by 25 Pa. Code §109.702 as they relate to adequate, safe, and reasonable service for utility customers and employees;
- 5) The number of VTWDS commercial meters in the system, the number tested, and the number passed or failed for year 2020;
- 6) The number of VTWDS valves exercised in calendar year 2020 and the frequency of valve maintenance;
- 7) The number of VTWDS commercial and industrial customers that have testable backflow prevention devices and the number of devices that were tested for calendar year 2020;
- 8) The integration of VTWDS into PAWC tariff backflow prevention requirements regarding residential fire protection and irrigation and whether PAWC has a plan for inspection and testing of fire hydrants;
- 9) Whether PAWC has surveyed the number of VTWDS fire hydrants that do not provide a minimum flow of 500 [gallons per minute (gpm)] at 20 [pounds per square inch gauge (psig)];
- 10) Whether PAWC has determined if VTWDS residential customers have American Society of Sanitary Engineers 1024 backflow assemblies installed at meter locations; and
- 11) Whether PAWC has evaluated the VTWDS lost and unaccounted water performance since 2018 and any relevant results.

Directed Questions at 1-2; PAWC Exh. MJG-4W.

Supplemental direct testimony in response to the directed questions was submitted by PAWC and Valley. *See*, Supplemental Direct Testimony of Patrice Proctor,

Valley Township St. No. 1W-S and 1WW-S; Supplemental Direct Testimony of Michael J. Guntrum, PAWC Statement 2W-S and 2WW-S, together with PAWC Exhibit MJG-4.

During the evidentiary hearing, ALJ Johnson questioned Valley witness Proctor (Tr. at 97 – 99) and PAWC’s witness Guntrum (Tr. at 99 – 102; 104 – 115)<sup>8</sup> to provide additional information regarding the Directed Questions. Upon the ALJ’s completion of questioning the witnesses, PAWC solicited additional testimony from witness Guntrum (Tr. at 116 – 119) and PAWC witness Ashley Everette (Tr. at 120 – 129) regarding the Directed Questions. In addition, after providing supporting testimony on behalf of PAWC on his fair market valuation report, PAWC’s UVE, Mr. Jerome C. Weinert, requested to offer some observations from the other witnesses’ previous testimony regarding Commissioner Yanora’s inquiries. Tr. at 136. The following provides a summary of the testimony provided by the various witnesses in addressing the Directed Questions.

Regarding the first inquiry about the estimated number of company-owned lead service lines in the Township, Valley witness Proctor testified that Valley is unaware of any Township-owned or customer-owned lead service lines in its distribution system. Valley St. 1W-S at 1-2. She noted that lead service lines ceased in 1986, and the oldest part of the distribution system was constructed two years later in 1988. *Id.* During the hearing, Ms. Proctor testified that based on records that were reviewed, she is not aware that any lead pipes exist; however, she indicated that does not necessarily mean that there are not any customer-owned lead service lines. Tr. at 98-99.

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<sup>8</sup> During the questioning of Mr. Guntrum, PAWC’s counsel also responded to ALJ Johnson’s directed questions regarding PAWC’s current policy for those customers who have lead service lines. Tr. at 102 – 104.

Regarding the second inquiry about PAWC's efforts to include VTWDS in its Act 120 of 2018, 66 Pa. C.S. § 1311(b)(2), customer-owned lead service line replacements, PAWC's witness Guntrum testified that once the Commission takes action on PAWC's Applications and closing on the acquisition takes place, PAWC will incorporate the Township's customer-owned service lines (if any) into the Company's inventory process as part of its compliance with the Environmental Protection Agency's (EPA) Lead and Copper rules and also incorporate customer-owned lead service lines (if any) into the Company's lead service line replacement plan. PAWC St. 2W-S at 2. During the hearing, Mr. Guntrum added that PAWC will incorporate the lead service lines into its program and address them per the rules, regulations and its tariff. Tr. at 100-101. PAWC's Attorney, Susan Simms Marsh also clarified during the hearing that PAWC will use the same Commission-approved process that it uses relative to its residential customers who currently have lead service lines and that PAWC will bear the cost of replacement for any acquired Valley Township customers consistent with its tariff. Tr. at 102-103.

PAWC's witness, Ashley Everette, provided testimony during the hearing regarding an explanation about PAWC's customer lead service line replacement plan that was approved by the Commission in the proceeding at Docket No. P-2017-2606100. Tr. at 123. Ms. Everette testified as follows:

That proceeding addressed the Company's ability to replace customer-owned or customer-side lead service lines. And the ultimate results of that proceeding was a change to the Company's tariff which allows Pennsylvania-American Water to replace customer-owned lead service lines and have that cost be borne by Pennsylvania-American Water and ultimately becomes part of Pennsylvania-American's rate base. That plan is laid out in our tariff [Tariff Water-PA P.U.C. No. 5], under Tariff Rule 4.9.1, which begins on page 47.1 of the Company's currently existing, Commission-approved water tariff. And that plan includes two parts. One of which is that the Company will replace lead service pipes

that it encounters during main replacements. And the other part is that the Company will replace lead service pipes at the customers' request under the criteria of the tariff. And this tariff provision allows the Company to make these replacements. There are limits in place in terms of the number of lead service pipes per year [up to 1,800 lead service pipe replacements per year]<sup>9</sup> that the Company can replace, as well as a dollar amount [a budgeted allotment of \$6.0 million per year]<sup>10</sup> that limits the Company's replacements. And so under this tariff rule, then, if there are lead service lines within an area or a system, the Company has this tariff provision that allows us to replace those lead service pipes at the cost of the Company rather than having that customer pay their full cost of the replacement that is needed at their residence.

Tr. at 123 -124.

Ms. Everette also noted that once the Valley customers become PAWC customers, the lead pipe replacement program will also apply to the Valley customers as well. Tr. at 125. She estimated that the approximate cost that may be incurred when Valley customers are incorporated into PAWC's service territory would be minimal because based on the previous testimony from the Township witness, there is an expectation that there currently are no lead service lines in Valley's water distribution system. Tr. at 125-126.

After providing testimony in support of his appraisal of the assets of Valley, Mr. Jerome Weinert, Principal and Director of AUS, the UVE selected by PAWC

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<sup>9</sup> See Pennsylvania-American Water Company Tariff Water-PA P.U.C. No. 5, Original Page 47.1.

<sup>10</sup> *Id.* In addition, the Company "may, but shall not be required, to petition the Commission for approval to modify its annual budget allotment of \$6.0 million if the Company, in its sole discretion, determines that its annual budget allotment no longer meets the future needs of administering both Parts of the Replacement Plan."

to perform the appraisal, requested permission from ALJ Johnson to offer an observation on the number of lead and copper service lines in the Valley Township service territory. Tr. at 136. Mr. Weinert stated that the engineer's assessment, as provided by Pennoni, indicate that the vast majority of the services are copper services, with only several of them not being identified as whether they are copper or not.<sup>11</sup> *Id.*

As to the third inquiry concerning PAWC's efforts to include the Township system in its tariff cross-connection<sup>12</sup> control requirements regarding 25 Pa. Code §§ 109.709, 109.609 and any applicable provisions of the International Plumbing Code, PAWC responded that if the Applications are approved, Valley customers will be subject to PAWC's prevailing Commission-approved water tariff including all non-rate related terms and conditions of service, including cross connection requirements. PAWC St. 2W-S at 2-3. ALJ Johnson then asked Mr. Guntrum if PAWC knew how many

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<sup>11</sup> See PAWC Exhibit KEG-2W, Appendix A-15-a.

<sup>12</sup> Cross connections are defined in the Pennsylvania Department of Environmental Protection's (PA DEP's) regulations (25 Pa. Code § 109.1) as follows:

Cross-connection—An arrangement allowing either a direct or indirect connection through which backflow, including backsiphonage, can occur between the drinking water in a public water system and a system containing a source or potential source of contamination, or allowing treated water to be removed from any public water system, used for any purpose or routed through any device or pipes outside the public water system, and returned to the public water system. The term does not include connections to devices totally within the control of one or more public water systems and connections between water mains.

PAWC St. 2W-S at 3.

Valley customers might be affected by backflow and backsiphonage.<sup>13</sup> Tr. at 105. Mr. Guntrum was unable to provide the number of Valley Township customers that might be affected but responded that PAWC has a backflow prevention and cross-connection prevention program and that after the acquisition is completed, PAWC will conduct a survey and inspection of industrial and commercial customers for purposes of determining who will be incorporated into PAWC's program. Tr. at 108. If a backflow-prevention device is found, PAWC will issue annual letters requiring testing of those devices and if PAWC determines that a device is needed, the Company will send a letter requiring the installation of such a device. *Id.* Although PAWC was unable to provide a timeline, how long it would take for including Valley Township customers in its backflow prevention and cross-connection prevention program, and the cost to the residential or commercial customer, Mr. Guntrum stated that PAWC's program is ongoing and that the Valley Township distribution system will be incorporated in Greater Coatesville. Tr. at 109-110.

PAWC's witness, Ms. Everette added that the Company's cross-connection requirements are included as Rule 22 of PAWC's Water Tariff – Pa. P.U.C. No. 5. Tr. at 126. She described the requirements of the plan as follows:

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<sup>13</sup> Backflow refers to the flow of water back into a public water system from a customer's home or business due to a higher pressure in the customer's plumbing versus in the public water supply. Backsiphonage occurs when there is a substantial drop in water pressure within the public water supplier's system. Backsiphonage can occur when there is a main break in the public water supplier's system that may cause water to be siphoned from the customer's home or business back into the water distribution grid. If the backflow or backsiphonage contains contaminants or pathogens, they can be distributed to the water supplied to other customers on the system who may unknowingly consume or use it for potable purposes. The installation of backflow prevention devices between the customer's internal plumbing and a public water supplier's service line will prevent backflow and backsiphonage from occurring. PAWC St. 2W-S at 3-4; Tr. at 106-108.

Tariff Rule 22 provides that no cross connection shall be installed or continued, and that the cost of the installation, material and maintenance of the backflow-prevention device shall be paid by the customer. And then the tariff outlines the responsibilities of the customer regarding annual tests or repairs of that device.

And then the following rule, which is 22.2, provides for the Company's rights of termination if a customer does not comply with the cross-connection rules.

Tr. at 126. Ms. Everette further noted that upon completion of a Section 1329 acquisition, the purchasing utility is required to adopt the rates of the selling utility, but that the rules and regulations of the purchasing utility become the prevailing rules and regulations of the selling utility. As such, Valley customers will be required to abide by the backflow and cross-connection requirements in Rule 22 after the acquisition transaction is completed. Tr. at 128, 129.

During questioning concerning the remediation of backflow, Mr. Guntrum expressed his opinion that PAWC would be in a better position to address backflow-prevention issues in the Valley's water distribution system for the following reasons:

We have databases that we would use to track backflow-prevention devices and cross-connection devices. We have existing personnel who are specialists in the area, who will manage this process. And we have systems to automatically generate letters requiring either inspection annually or if we discover that one is needed and not present, a letter that will require the installation of such. And we have personnel that handle – manage that program.

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[In addition, PAWC has a] PUC-regulated tariff and a PUC program in place for backflow prevention and cross-connection program.

\* \* \*

And therefore, because of all these reasons and our size and our economies of scale and our PUC tariff, we are able to provide better service related to backflow prevention, cross connection than is existing today.

Tr. at 116-117.

As noted, although PAWC was unable to provide any information regarding the additional costs associated with incorporating Valley customers into PAWC's backflow prevention and cross-connection prevention program at this time, Mr. Guntrum explained in his written testimony that the PA DEP regulations do not impose a requirement on public water suppliers to install backflow prevention devices. PAWC St. 2W-S at 4. The regulations in Section 109.608 only require that "a public water system may not be designed or constructed in a manner which creates a cross-connection." *Id.* However, Section 109.709 of the PA DEP regulations places the obligation for eliminating cross-connections on the customers of public water suppliers.<sup>14</sup> *Id.*

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<sup>14</sup> Section 109.709(a) of the PA DEP regulations provides:

(a) No person may introduce contaminants into a public water supply through a service connection of a public water system.

(1) It shall be the responsibility of the customer to eliminate cross-connections or provide backflow devices to prevent contamination of the distribution system from both backsiphonage and backpressure. Individual backflow preventors shall be acceptable to the public water supplier.

(2) If the customer fails to comply with paragraph (1) within a reasonable period of time, the water supplier shall discontinue service after reasonable notice has been made to the customer.

25 Pa. Code § 109.709(a).

Mr. Guntrum also cited Section 109.709(b) of the PA DEP regulations which list the obligations of a public water supplier to enforce its customers' obligations:

At the direction of the Department, the public water supplier shall develop and implement a comprehensive control program for the elimination of existing cross-connections or the effective containment of sources of contaminations, and prevention of future cross-connections. A description of the program, including the following information, shall be submitted to the Department for approval:

- (1) A description of the methods and procedures to be used.
- (2) An implementation schedule for the program.
- (3) Legal authority for implementation of the program, such as, by ordinance or rules.
- (4) A time schedule for inspection of nonresidential customers' premises for cross-connections with appropriate recordkeeping.
- (5) A public education program for residential customers.
- (6) A description of the methods and devices which will be used to protect the water system.
- (7) A program for the review of plans for new users to assure that no new cross-connections are developed.
- (8) Provisions for discontinuance of water service, after reasonable notice, to premises where cross-connections exist.

PAWC St. 2W-S at 5 (citing 25 Pa. Code § 109.709(b)). PAWC confirmed that it has developed and implemented a cross-connection control program consistent with Section 109.709(b). PAWC St. 2W-S at 6; Tr. at 110. PAWC explained that it has implemented this Commission-approved program under their tariff for all previously

acquired systems and uses the tariff as the source of the Company's authority to require its customers to comply with its cross-connection program. PAWC St. 2W-S at 6.

Regarding the fourth inquiry concerning compliance materials of PAWC's efforts to include Valley in its operation and maintenance plans as they relate to adequate, safe, and reasonable service for utility customers and employees, PAWC explained that the Company has Operation and Maintenance Plans meeting the regulatory requirements in 25 Pa. Code § 109.702 for each of its water systems. PAWC St. 2W-S at 6. Once the Commission acts on PAWC's Applications and closing on the acquisition takes place, the Company explained that it will update its Operation and Maintenance Plans to include the Valley Township water system. *Id.*

Regarding the fifth inquiry concerning the number of Township commercial meters in the system, the number tested, and the number passed or failed for year 2020, Valley witness Proctor responded that in calendar year 2020, there were thirty-three commercial meters in the Township's system. Valley St. 1W-S at 2. However, none of the Valley commercial meters were tested in 2020. *Id.*

The sixth inquiry concerned the number of Township valves exercised in calendar year 2020 and the frequency of valve maintenance.<sup>15</sup> Valley responded that approximately five valves were exercised in calendar year 2020. Valley St. 1W-S at 2.

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<sup>15</sup> Generally, the exercising of a water main valve means that each valve connected to the water main of the distribution system is tested to ensure it is working properly by operating the valve through a full cycle and returning it to its normal position (*i.e.*, turning the valve completely off, then gradually opening it and closing it, before returning it to its normal open position). *See e.g.*, Zane Satterfield, P. E., *Tech Brief – Valve Exercising*, Summer 2007, Vol. 7, Issue 2, National Environmental Services Center; <https://www.nesc.wvu.edu/files/d/1f62b334-8497-403e-bceb-f5116ac2c142/valve-exercising.pdf>.

Additionally, Valley noted that it does not have a routine valve exercising or maintenance program. *Id.*

Regarding the seventh inquiry requesting the number of Township commercial and industrial customers that have testable backflow prevention devices and the number of devices that were tested for calendar year 2020, Valley witness Proctor reported that the number of commercial and industrial customers with testable backflow prevention devices is not known to Valley. Valley St. 1W-S at 2. Additionally, no backflow prevention devices were tested in calendar year 2020. *Id.*

The eighth inquiry asks how PAWC will integrate the Township's system into PAWC's tariff backflow prevention requirements regarding residential fire protection and irrigation and whether PAWC has a plan for inspection and testing of fire hydrants. PAWC's witness Guntrum responded that the Company plans to integrate the Township water system into the Company's standard practices based on the Tariff requirements. PAWC St. 2W-S at 7. PAWC explained that it has developed calibrated hydraulic models for its previously acquired water systems and that its plan for the Township water system will be consistent with this practice. *Id.* Accordingly, PAWC will develop and calibrate a hydraulic model, testing hydrants as part of the calibration process. PAWC also replied that it regularly inspects and exercises valves and hydrants. *Id.*

In response to the ninth inquiry – whether PAWC has surveyed the number of Township fire hydrants that do not provide a minimum flow of 500 gpm at 20 psig – PAWC replied that because the Commission has not yet acted on its Applications, it has not surveyed the Township's fire hydrants to determine the minimum flow. PAWC St. 2W-S at 7. However, the Company explained that in the systems it previously acquired, it has developed calibrated hydraulic models and that it plans to do the same for Valley. *Id.* Thus, PAWC will develop and calibrate a hydraulic model, testing hydrants

as part of the calibration process. *Id.* PAWC also noted that it regularly inspects and exercises valves and hydrants and that the Township's system will be integrated into PAWC's standard practices based on its tariff requirements. *Id.* Thus, for the reasons described above and because of its economy of scale, PAWC believes it is better capable than Valley in testing and ensuring that fire hydrants are functional and operated in the public interest. Tr. at 118.

During the hearing, PAWC witness Guntrum provided some additional details in response to questioning by ALJ Johnson:

PA-American will incorporate the Valley system into the Greater Coatesville system. PA-American has a process for evaluating fire hydrants, both as it relates to an annual process of flushing and exercising of valves and evaluating fire hydrant flow. And then also as part of our acquisition, we will incorporate the Valley Township into hydraulic computer models, so we can use them to monitor water quality relative to dispatched byproducts and chlorine residual, *et cetera*.

And so as part of that, the calibration of that model, PA-American will also go out and do special fire hydrant testing to test flow and pressure, to provide data points for the calibration of that model. And that process will be ongoing and will begin immediately after closing.

Tr. at 112-113.

The tenth inquiry concerns whether PAWC has determined if Valley's residential customers have American Society of Sanitary Engineers 1024 backflow assemblies installed at meter locations. PAWC replied that since the Commission has not yet acted on its Applications, PAWC has not undertaken an assessment of the customer-owned backflow assemblies. PAWC St. 2W-S at 8. Although ALJ Johnson asked some follow-up questions on this inquiry during the hearing, no additional information of significance was provided. Tr. at 113-115.

The eleventh and final inquiry relates to whether PAWC has evaluated the Township's lost and unaccounted water performance since 2018 and any relevant results. No information was provided by PAWC or Valley Township on this inquiry.

In their Recommended Decision, the ALJs made seven Findings of Facts regarding the Directed Questions as follows:

54. Valley is unaware of any Valley-owned or customer-owned lead service lines in the Water System. Valley St. No. 1W-S and 1WW-S p. 3. The engineer's assessment, PAWC Exhibit KEG-2W, Appendix A-15-a, "Master Asset List," indicates that many (but not all) service lines are copper. The engineer's assessment does not indicate that the Water System has any lead service lines.

55. PAWC has a Commission-approved plan for addressing lead service lines. *Petition of Pennsylvania-American Water Company for Approval of Tariff Changes and Accounting and Rate Treatment Related to Replacement of Lead Customer-owned Service Pipes*, Docket No. P-2017-2606100 (Final Order entered October 3, 2019). This plan is reflected in PAWC's tariff, *see, e.g.*, Tariff Pa. P.U.C. No. 5, Rule 4.9.1 ("Replacement of Lead Service Pipes"), which will apply to Valley's customers after closing on the Transaction. Since no customer-owned lead service lines are known to exist in the Water System, the cost of implementing this plan in Valley after closing is expected to be minimal.

56. After closing on the Transaction, PAWC will incorporate the Water System's customer-owned service lines into PAWC's inventory process and will incorporate customer-owned lead service lines (if any) into PAWC's lead service line replacement plan. PAWC St. No. 2W-S and 2WW-S p. 2

57. PAWC's Commission-approved tariff includes rules prohibiting cross-connections. *See, e.g.*, Tariff Pa. P.U.C. No. 5, Rule 22 ("Prohibition of Cross-Connection"). These rules will apply to Valley's customers after closing on the

Transaction. PAWC already has the personnel and systems in place to implement these provisions in Valley.

58. The number of commercial and industrial customers in the Water System with testable backflow prevention devices is not known to Valley. No backflow prevention devices were tested in calendar year 2020. Valley St. No. 1W-S and 1WW-S p. 3.

59. PAWC's Commission-approved tariff includes rules requiring that residential customers have a check valve, and that commercial and industrial customers have an approved backflow prevention device. *See, e.g.*, Tariff Pa. P.U.C. No. 5, Rule 4.6 ("Check Valve, Backflow Prevention Device and Service Pipe Strainers"). These rules will apply to Valley's customers after closing on the Transaction. PAWC already has the personnel and systems in place to implement these provisions in Valley.

60. PAWC has a plan in place for the inspection and testing of fire hydrants in the Water System after closing on the Transaction. After acquiring a system, PAWC develops a calibrated hydraulic model for the system, including hydrants. Additionally, PAWC regularly inspects and exercises valves and hydrants. PAWC plans to integrate the Water System into PAWC's standard practices after closing. PAWC St. No. 2W-S and 2WW-S, p.7. PAWC already has the personnel and systems in place to perform these tasks.

R.D. at 28-29. The ALJs opined that although "[t]he contingency nature of the responses to the directed questions is concerning," when the Settlement is viewed in its totality, "the undersigned ALJs will recommend approval of the Settlement with modification." R.D. at 83.

Based on our review of the responses in the record, it appears that there are little to no lead water service lines in the Township service area and the testimony leans toward there being none since the oldest part of the distribution system was built in 1988, two years after 1986 when lead service lines ceased being installed. Also, because

PAWC already has a Commission-approved lead service line replacement program in Rule 4.9.1 (Replacement of Lead Service Pipes) of its tariff, all current Valley customers will automatically be subject to Rule 4.9.1. in which the Company will replace lead service lines without charge to the customers consistent with the terms and conditions set forth in the tariff. After a lead service pipe is replaced by the Company, the customer shall own the service pipe and have full responsibility for its repair in the future. Regardless of the number of current lead lines in the Valley service area, the Company's costs with regard to its company-wide replacement of lead pipes is limited to a cap of \$6 million annually and an annual cap of 1,800 lead service pipes, based on PAWC's current tariff. However, Rule 4.9.1 does permit PAWC to petition the Commission for approval to modify its annual budget allotment of \$6 million if the Company, in its sole discretion, determines that its annual budget allotment no longer meets the future needs of the lead service replacement plan.

With regard to cross-connection control requirements, it is not known at this time how many Valley Township customers may have backflow and or backsiphonage issues. Nevertheless, if the acquisition were approved, it appears that PAWC is prepared to address any cross-connection issues consistent with PAWC's Rule 22 in its Tariff No. 5 relating to Cross-Connections. Rule 22 is stated as follows:

## **22. Prohibition of Cross-Connection**

No cross-connection shall be installed or continued. A cross-connection shall be considered to be eliminated if the method of backflow prevention is approved in writing by the Company. The cost of installation, material, and maintenance of the backflow prevention device shall be paid for by the Customer. Thereafter, it is the responsibility of the Customer to have an annual test and/or repairs of the device performed by an inspector who is a certified backflow prevention device tester. A backflow prevention device tester must be certified by an entity that performs training to test and repair Check valves and backflow prevention devices which meet or

exceed American Society of Sanitary Engineering (ASSE), American Backflow Prevention Association (ABPA) or equivalent standards and provides certification that such training has been completed in accordance with these requirements.

## **22.2 Right of Company to Terminate Water Service**

The Company shall have the right to terminate water service under any of the following circumstances:

- (A) Violation by a Customer or by a property owner or occupant of these Rules and Regulations regarding Cross-Connections;
- (B) Failure to have the annual test and /or repairs of the backflow prevention device performed.
- (C) Receipt by the Company of an order from DER, health authorities, plumbing inspectors or another similar agency to discontinue service to premises on the grounds of violation of any federal, state or local law, ordinance, rule or regulation or of these Rules and Regulations regarding Cross-Connections, or because of danger to health because of the existence of Cross-Connections, or upon notice to the Company from any such agency that it has ordered a Cross-Connection existing on the premises to be discontinued and that such order has not been complied with.

PAWC Tariff No. 5, Rule 22 at 76.

Furthermore, PAWC indicated that it will conduct a survey and inspection of its customers after completion of the acquisition transaction. Accordingly, former customers of Valley will be subject to PAWC's cross-connection terms and conditions contained in Rule 22.

Based on our review of the responses, we agree with PAWC that the Company is better able than Valley to prevent backflow and backsiphonage occurrences

due to its size, economies of scale and existing Commission-approved cross-connection tariff. In addition, since PAWC already collects and monitors data on cross-connections, and PA DEP regulations place the cost of eliminating cross-connections on the customers, we expect that any additional costs to PAWC to incorporate Valley Township customers under Rule 22 will be minimal.

We also note, based on our review of the responses in the record, that PAWC has committed, as required by law, to update its Operation and Maintenance Plan, on file with the PA DEP, to include the required operation/maintenance information from the Valley Township water distribution system, after the acquisition is approved by the Commission.

Regarding residential fire protection and irrigation, and inspections and testing of fire hydrants, PAWC indicated that it regularly inspects and exercises valves and hydrants and that it will also integrate Valley's system into the Company's standard practices in accordance with its tariff requirements such as it has done in prior acquisitions. Although PAWC has not surveyed the number of fire hydrants in the Township service area to determine the minimum flow, we note that PAWC has committed, immediately after closing, to develop calibrated hydraulic models for Valley after it is acquired and that testing fire hydrants will be included as part of the calibration process.

Also, although PAWC and Valley were not able to provide immediate answers to some of Commissioner Yanora's inquiries (*i.e.*, whether Valley Township residential customers have American Society of Sanitary Engineers 1023 backflow assemblies installed at meter locations and an evaluation of Valley's lost and accounted water performance since 2018), and some responses will not be known until after the acquisition is completed, based on the information that was provided in this proceeding, we find, based on our thorough review of the record involving the Directed Questions

inquiries and the ALJ's Findings of Fact Nos. 54-60, that the absence of some of the requested information does not warrant our rejection of the Applications. In fact, based on the responses provided, we believe that the Township customers will be better served by PAWC based on the Company's experience involving similar issues for prior acquisitions and the advanced operations and economies of scale of PAWC compared to Valley.

In summary, it appears that the Parties have provided sufficient responses to the Directed Questions. As to the issues raised in the Directed Questions and the responses thereto, nothing in the record prevents us from making a determination that the overall Settlement is in the public interest.

#### **F. Exception**

In its Exception, PAWC objects to the ALJs' modification of Paragraph 32 of the Settlement pertaining to the engineering assessment. The Joint Petitioners had agreed to the following provision regarding the engineer's assessment of tangible assets of the selling utility as required by 66 Pa C.S. § 1329(a)(3):

PAWC will act to ensure that, in any future Section 1329 applications it submits, the engineering assessment required under 66 Pa. C.S. § 1329(a)(4) will designate the condition of the inventory and assets appraised. Such designation of condition shall be limited to whether the categories of system assets appraised are in poor, fair, good, or very good condition.

Settlement at ¶ 32.

However, PAWC argues, the ALJs improperly modified Paragraph 32 of the Settlement, without record evidence, by imposing additional requirements on

engineering assessments in future PAWC Section 1329 application filings. Specifically, the Company objects to the following language recommended by the ALJs:

That PAWC be directed to ensure that, in any future Section 1329 application it submits, that PAWC, as the acquiring public utility, and the selling utility shall engage the services of the same licensed engineer to inventory and assess the tangible assets of the selling utility, as required under 66 Pa. C.S. § 1329(a)(4), and to designate the condition of the assets inventoried. Such designation of condition shall not be restricted to whether the categories of system assets assessed are in poor, fair, good, or very good condition. Instead, the engineer's designation of the condition of inventoried assets shall include descriptive terms such as rust, dents, visible leaks, cracking, bulging, chipping, refurbished, reconditioned and so forth for the utility valuation expert to complete an appraisal.

Exc. at 2 (quoting R.D. at 89; Ordering ¶ 6).

In support of its Exception, PAWC raises five arguments. First, the Company contends that the adoption of the ALJs' recommendation could result in inconsistent decisions. PAWC cites to a recent filing of a Joint Petition for Approval of Non-Unanimous Settlement of All Issues (Non-Unanimous Settlement) in another Section 1329 proceeding involving a provision identical to Paragraph 32 in this

Settlement.<sup>16</sup> PAWC asserts that in *Upper Pottsgrove*, ALJ Jeffrey A. Watson recommended Commission approval of the Non-Unanimous Settlement, including the paragraph regarding the engineering assessment, with modifications. Additionally, the Company states that no party filed exceptions to the Recommended Decision in *Upper Pottsgrove*. Exc. at 3-4.

PAWC contends that there is no reason for the Commission to accept a settlement provision in one proceeding and modify the same provision in another case. The Company submits that doing so would place PAWC in the untenable position of having to comply with two inconsistent Commission Orders. *Id.* at 4.

Second, PAWC argues that in negotiating Paragraph 32, it believed the engineer's assessment should designate the condition of the inventoried assets by category, rather than designating the condition of each individual asset. According to the Company, requiring the engineer to designate the condition of each individual asset would delay the completion of the assessment and make the assessment unduly expensive. PAWC submits that the benefits of the additional information in the

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<sup>16</sup> Exc. at 3 (citing *Application of Pennsylvania-American Water Company – Wastewater Division (PAWC-WD), under Sections 1102 and 1329 of the Pennsylvania Public Utility Code, 66 Pa. C.S. §§ 1102(a) and 1329 (relating to enumeration of acts requiring certificate and valuation of acquired water and wastewater systems), for approval of: (1) the transfer, by sale, of substantially all of the wastewater system assets, properties and rights of Upper Pottsgrove Township related to its wastewater collection and conveyance system; (2) the right of PAWC-WD to begin to offer or furnish wastewater service to the public in Upper Pottsgrove Township, Montgomery County, and a portion of Douglass Township, Berks County, Pennsylvania; and (3) the use for ratemaking purposes of the lesser of fair market value or the negotiated purchase price of the Upper Pottsgrove Township assets related to its wastewater collection and treatment system, Docket No. A-2020-3021460 (Recommended Decision issued August 3, 2021) (Upper Pottsgrove)). At the time of the filing of the Exception, the Commission had not yet issued a final determination in *Upper Pottsgrove*. Subsequently, a Final Order was issued on September 15, 2021, approving the Recommended Decision in *Upper Pottsgrove* without modification.*

assessment for the UVEs' appraisal would be far outweighed by the costs resulting from Paragraph 32, especially considering that PAWC's UVE testified that his firm conducts an on-site inspection of the system being acquired when preparing an appraisal. Citing to its witness testimony, PAWC proffers that this on-site inspection is mainly used to provide an overview of the system and to verify its condition. Exc. at 4 (citing PAWC St. 4W at 5; and PAWC St. 4-WW at 5).

PAWC further objects to the ALJs' modification at a practical level, contending it would be difficult to describe a category of assets using the types of descriptive terms mentioned in the Recommended Decision. As an example, the Company questions how an engineer could describe a category of mains in a system if some of them have cracks, others have visible leaks, and still others have no apparent defect. In that scenario, the engineer could be forced to describe the condition of individual assets. PAWC submits that it is better to rely on the engineer's professional judgment to rate categories of assets as being in poor, fair, good or very good condition. *Id.* at 5.

PAWC also addresses the ALJs' objection to the use of the word "appraised" in connection with the engineer's assessment. The Company submits that when considering that the engineer's assessment is an inventory of the system's assets, which is subsequently used by the buyer's and seller's UVEs in their appraisals of the system, Paragraph 32's phrasing is technically accurate. *Id.*

In its third argument, PAWC objects to the ALJs' modification of the Settlement because it would impose an obligation upon PAWC but not upon other public utilities engaged in acquisitions under Section 1329. The Company asserts that to the extent that the Commission decides to impose additional requirements upon the engineering assessment, the Commission should do so through an order of general applicability after affording due process to all interested persons similar to the

Commission's Implementation Orders following enactment of Act 12. Exc. at 5 (citing *Implementation of Section 1329 of the Public Utility Code*, Docket No. M-2016-2543193 (Final Supplemental Implementation Order entered February 28, 2019)).

In its fourth argument, PAWC submits that the ALJs' modification of Paragraph 32 of the Settlement was not based upon record evidence of a substantial nature and the Parties were not afforded an opportunity to rebut the proposal through the submission of record evidence. The Company objects to the proposed requirement for detailed descriptions by the engineer of the assets in future PAWC Section 1329 proceedings, which was raised for the first time in the Recommended Decision after the evidentiary record was closed. Exc. at 6.

In its final argument, PAWC emphasizes that the Settlement represents a carefully balanced compromise of the interests of the Joint Petitioners. Moreover, the Settlement offers the customary provision of allowing each signatory to withdraw from the Settlement if the Commission modifies the Settlement in any manner. PAWC argues that the proposed modifications are unnecessary and impose a prospective obligation on the Company that has not been imposed on other public utilities in Section 1329 acquisition. The Company concludes that the Commission should not jeopardize this Settlement by modifying it unnecessarily. Exc. at 6.

On September 14, 2021, I&E filed a letter agreeing with PAWC that the ALJs' modifications should be rejected for the reasons articulated in the Company's Exception. I&E requests that the Commission approve the Settlement without modifications.

No Parties filed Replies to the Exception.

## G. Disposition

Upon review, we shall grant PAWC's Exception because the proposed modifications to Paragraph 32 of the Settlement raise several concerns.

Adopting the proposed language in this proceeding would result in an apparent conflict with the engineering assessment provision recently approved by the Commission in *Upper Pottsgrove*. Plainly, the language approved in *Upper Pottsgrove* applies to all future Section 1329 proceedings by PAWC. Likewise, Paragraph 32 in the Settlement herein would apply to the Company's future Section 1329 proceedings. Thus, PAWC would be presented with the potential dilemma of adhering to inconsistent applications of the engineering assessment requirements in all future Section 1329 proceedings.

Additionally, the proposed modifications were presented in the Recommended Decision after the close of the evidentiary record. Here, the Company did not have the opportunity to address the proposed language at the hearing or to present evidence pertaining to it. Thus, the evidentiary record does not appear to support the proposed modifications. Moreover, we agree with the Company that the ALJs' modification of the Settlement would impose an obligation upon PAWC but not upon other public utilities engaged in acquisitions under Section 1329. We also recognize that I&E supports the Company's position and none of the Parties have filed Replies to the Exception. As a further matter and as discussed below, we find that the Settlement as proposed without the modification is in the public interest. Accordingly, we shall modify Ordering Paragraph No. 6 of the Recommended Decision so that it corresponds with Paragraph 32 of the Settlement.

With respect to the remaining terms of the Settlement, the ALJs recommend approval, without modification, as being in the public interest. We concur.

The policy of the Commission is to encourage settlements, and the Commission has stated that settlement rates are often preferable to those achieved at the conclusion of a fully litigated proceeding. 52 Pa. Code §§ 5.231, 69.401. A full settlement of all the issues in a proceeding eliminates the time, effort and expense that otherwise would have been used in litigating the proceeding, while a partial settlement may significantly reduce the time, effort and expense of litigating a case. A settlement, whether whole or partial, benefits not only the named parties directly, but, indirectly, all customers of the public utility involved in the case. *Pa. PUC, et al. v. Columbia Gas of Pennsylvania, Inc.*, Docket Nos. R-2015-2468056, *et al.* (Order entered December 3, 2015) at 6-7.

Partial or full settlements allow the parties to avoid the substantial costs of preparing and serving testimony and the cross-examination of witnesses in lengthy hearings, the preparation and service of briefs, reply briefs, exceptions and replies to exceptions, together with the briefs and reply briefs necessitated by any appeal of the Commission's decision, yielding significant expense savings for the company's customers. For this and other sound reasons, settlements are encouraged by long-standing Commission policy. *Id.*

Despite the policy favoring settlements, the Commission does not simply rubber stamp settlements without further inquiry. In order to accept a settlement such as those proposed here, the Commission must determine that the proposed terms and conditions are in the public interest. *Pa. PUC v. York Water Co.*, Docket No. R-00049165 (Order entered October 4, 2004); *Pa. PUC v. C. S. Water and Sewer Assoc.*, 74 Pa. P.U.C. 767 (1991).

The Joint Petition reflects the consensus of the Parties that the terms and conditions benefit all interested parties, including securing a lower rate increase than might have otherwise resulted from protracted litigation. The Joint Petition resolves the

issues necessary for the ultimate resolution of the present proceeding. It also removes several potentially contentious issues that would have prolonged or required further litigation or administrative proceedings. The benefits of approving the Joint Petition are numerous and will result in savings of time and expenses for all Parties involved by avoiding the necessity of further administrative proceedings, as well as possible appellate court proceedings, conserving precious administrative resources. Moreover, the Joint Stipulation provides regulatory certainty with respect to the disposition of issues which benefits all Parties.

We agree and adopt the ALJs' analysis and conclusion that the provisions of the Joint Petition are in the public interest. Additionally, as discussed above, we acknowledge that the Parties have provided satisfactory responses to the Directed Questions sufficient to support a determination that the Settlement is in the public interest.

Moreover, we highlight additional public interest benefits that were not specifically addressed in the disposition section of the Recommended Decision. For example, we agree that the Township's customers will benefit from enhanced customer service and operational functions through PAWC's extended call center hours, additional payment options, and access to PAWC's customer assistance programs. PAWC St. 1W at 16; PAWC St. 1WW at 16. Furthermore, we recognize PAWC's commitment to preserve all jobs related to Valley's systems as an important public interest benefit. Valley St. 1 W at 11; Valley St. 1WW at 10.

Accordingly, we shall adopt the ALJs' Recommended Decision, as modified, and approve the Settlement, without modification.

### III. Conclusion

Upon review, we shall grant the Joint Petition and approve the terms and conditions of PAWC's Applications set forth in the Settlement, without modification. Further, we shall grant the Exception of PAWC and adopt the Recommended Decision as modified, consistent with this Opinion and Order; **THEREFORE,**

#### **IT IS ORDERED:**

1. That the Exception of Pennsylvania-American Water Company filed on September 10, 2021, is granted, consistent with this Opinion and Order.

2. That the Recommended Decision of Administrative Law Judges Conrad A. Johnson and Emily I. DeVoe issued on August 31, 2021, is adopted as modified, consistent with this Opinion and Order.

3. That the Joint Petition for Approval of Unanimous Settlement of All Issues filed by Pennsylvania-American Water Company, the Office of Consumer Advocate, the Bureau of Investigation and Enforcement, the Office of Small Business Advocate, and Valley Township filed on August 3, 2021, at Docket Nos. A-2020-3019859 and A-2020-3020178, including all terms and conditions thereof, is approved without modification.

4. That the Secretary's Bureau shall issue Certificates of Public Convenience under Sections 1102(a)(1) and 1102(a)(3) authorizing: (a) the transfer, by sale, of Valley Township's assets, properties and rights related to its Water System and Wastewater System to Pennsylvania-American Water Company as provided in the Applications; and (b) Pennsylvania-American Water Company's right to begin to offer,

render, furnish and supply water and wastewater service in the areas served by Valley Township as indicated in the Applications.

5. That upon closing of Pennsylvania-American Water Company's acquisition of Valley Township's Water and Wastewater Systems, Pennsylvania-American Water Company shall be permitted to file tariff supplements, consistent with the *pro forma* tariff supplement submitted as Amended Appendix A-12 for Valley's Water System, and the *pro forma* tariff supplement submitted as Second Amended Appendix A-12 for Valley's Wastewater System, to be effective upon the day of Closing of the Transaction.

6. That, pursuant to 66 Pa. C.S. § 1329(c), a rate base addition of \$13,950,000 associated with Pennsylvania-American Water Company's acquisition of the Wastewater System, and \$7,325,000 associated with the acquisition of the Water System, effective upon the day of closing of Pennsylvania-American Water Company's acquisition of Valley Township's Water and Wastewater Systems is approved.

7. That the Water Application at A-2020-3019859 and the Wastewater Application at Docket No. A-2020-3020178 filed by Pennsylvania-American Water Company on October 9, 2020, are approved, subject to the following conditions, which are consistent with the Joint Petition for Approval of Unanimous Settlement of All Issues:

a. That, in the first base rate case that includes Valley's Wastewater System:

(i) Pennsylvania-American Water Company shall propose to move Valley's Wastewater System to 1.25x the current Valley wastewater rate or Pennsylvania-American Water Company's proposed Rate Zone 1 system-average wastewater rates, whichever is lower.

(ii) Pennsylvania-American Water Company may propose an effective date for new rates for Valley wastewater customers that is different from the effective date of new rates for other customers, and Pennsylvania-American Water Company may agree to rates other than those proposed for Valley wastewater customers in the context of a settlement of the base rate case.

(iii) The Office of Consumer Advocate, the Office of Small Business Advocate and the Bureau of Investigation and Enforcement reserve the right to address the rate proposals fully and to make other rate proposals.

b. That, in the first base rate case that includes Valley's Water System:

(i) Pennsylvania-American Water Company shall propose to move Valley's Water System to 2.0x the current Valley water rate or Pennsylvania-American Water Company's proposed Rate Zone 1 system-average water rates, whichever is lower.

(ii) Pennsylvania-American Water Company may propose an effective date for new rates for Valley water customers that is different from the effective date of new rates for other customers, and Pennsylvania-American Water Company may agree to rates other than those proposed for Valley water customers in the context of a settlement of the base rate case.

(iii) The Office of Consumer Advocate, the Office of Small Business Advocate and the Bureau of Investigation and Enforcement reserve the right to address the rate proposals fully and to make other rate proposals.

c. Within the first billing cycle following Closing on the Water System and the Wastewater System,

Pennsylvania-American Water Company shall include a bill insert to Valley's water and wastewater customers regarding its low-income programs and shall include such information in a welcome letter to Valley's water and wastewater customers. The bill insert and welcome letter shall include, at a minimum, a description of the available low-income programs, eligibility requirements for participation in the programs, and Pennsylvania-American Water Company's contact information. Pennsylvania-American Water Company shall further provide ongoing, targeted outreach to its Valley-area water and wastewater customers regarding its low-income program.

d. In the same welcome packet referenced above, Pennsylvania-American Water Company shall explicitly inform acquired customers that they are being converted to monthly billing. Pennsylvania-American Water Company's letter shall also direct acquired customers to contact Pennsylvania-American Water Company with any questions about the conversion and/or to discuss low-income programming options that may be available.

e. In future acquisitions by Pennsylvania-American Water Company under 66 Pa. C.S. § 1329, filed subsequent to the entry date of this Opinion and Order, Pennsylvania-American Water Company shall clearly document the date on which it engaged or otherwise authorized its utility valuation expert to perform the fair market value appraisal of the system.

f. Pennsylvania-American Water Company shall ensure that in any future Section 1329 applications it submits, the engineering assessment required under 66 Pa. C.S. § 1329(a)(4) will designate the condition of the inventory and assets appraised. Such designation shall be limited to whether the categories of system assets appraised are in poor, fair, good, or very good condition.

g. That Pennsylvania-American Water Company and Valley Township shall continue to work to achieve the transfer of the Real Property Rights. However, Pennsylvania-American Water Company shall be permitted, in its discretion, to close without the transfer of all the Real Property Rights, provided that an escrow is established from the Purchase Price to be used to obtain any post-Closing transfers of the Real Property Rights. Pennsylvania-American Water Company shall provide an update to the Office of Consumer Advocate, the Office of Small Business Advocate and the Bureau of Investigation and Enforcement approximately thirty (30) days in advance of the anticipated day of Closing and a final update before Closing regarding the status of the transfer of the Real Property Rights.

h. That Pennsylvania-American Water Company complete an infiltration and inflow study of the Valley Wastewater System following Closing and provide the results of that study to the Office of Consumer Advocate, the Office of Small Business Advocate and the Bureau of Investigation and Enforcement upon completion. The costs of the infiltration and inflow study shall be subject to prudence review when they are claimed for recovery in base rates.

i. That Pennsylvania-American Water Company is permitted to collect a distribution system improvement charge prior to the first base rate case in which the Valley water or wastewater service area plant-in-service is incorporated into Pennsylvania-American Water Company's rate base, subject to the following conditions:

(i) Pennsylvania-American Water Company shall file an amended water or wastewater long term infrastructure improvement plan which does not re-prioritize other existing commitments in other service areas.

(ii) The Commission's approval of Pennsylvania-American Water Company's

amended water or wastewater long term infrastructure improvement plan, as may be modified in the discretion of the Commission.

(iii) Pennsylvania-American Water Company shall file a compliance tariff supplement incorporating Valley's Water or Wastewater System into its existing distribution system improvement charge tariff provisions, including all customer safeguards applicable thereto, after Commission approval of the amended long term infrastructure improvement plan.

j. That pursuant to 66 Pa. C.S. § 1329(f), Pennsylvania-American Water Company is permitted to accrue allowance for funds used during construction for post-acquisition water and wastewater improvements not recovered through the distribution system improvement charge for book and ratemaking purposes; provided, however, that any such claims for allowance for funds used during construction for post-acquisition water and wastewater improvements shall be addressed in Pennsylvania-American Water Company's first base rate case which includes Valley's Water System and Wastewater System; and provided further that the Joint Petitioners to the Joint Petition for Unanimous Approval of Settlement of All Issues reserve their rights to fully litigate their positions in future rate cases when this issue is ripe for review and that this term shall not be construed to operate as their preapproval of Pennsylvania-American Water Company's requests.

k. That pursuant to 66 Pa. C.S. § 1329(f), Pennsylvania-American Water Company is permitted to defer depreciation related to post-acquisition water and wastewater improvements not recovered through the distribution system improvement charge for book and ratemaking purposes; provided, however, that any such claims for deferred depreciation related to post-acquisition water and wastewater improvements shall be addressed in Pennsylvania-American Water Company's first base rate case which includes Valley's

Water System and Wastewater System; and provided further that the Joint Petitioners to the Joint Petition for Unanimous Approval of Settlement of All Issues reserve their rights to fully litigate their positions in future rate cases when this issue is ripe for review and that this term shall not be construed to operate as their preapproval of Pennsylvania-American Water Company's requests.

l. That Pennsylvania-American Water Company is permitted to claim transaction and closing costs associated with the acquisition of Valley's Water System and Wastewater System. The Joint Petitioners to the Joint Petition for Unanimous Approval of Settlement of All Issues reserve their rights to litigate their positions fully in future rate cases when this issue is ripe for review. The Joint Petitioners' assent to this term shall not be construed to operate as their preapproval of Pennsylvania-American Water Company's request.

m. That the inclusion of outside legal fees, if any, in Pennsylvania-American Water Company's transaction and closing costs under the Water Asset Purchase Agreement and the Wastewater Asset Purchase Agreement shall be separately identified in Pennsylvania-American Water Company's next base rate case and amounts expended by Pennsylvania-American Water Company on behalf of Valley shall be separately identified. The Office of Consumer Advocate, the Office of Small Business Advocate and the Bureau of Investigation and Enforcement reserve the right to challenge the reasonableness, prudence, and basis for such fees.

8. That the Secretary's Bureau shall issue certificates of filing pursuant to 66 Pa. C.S. § 507 for the following agreements between Pennsylvania-American Water Company and a municipal corporation: (a) The Sanitary Sewer Asset Purchase Agreement By and Between Valley Township as Seller and Pennsylvania-American Water Company as Buyer, dated as of December 17, 2019; (b) The November 16, 1988 Sewer and Water

Service Agreement Between West Caln Township, Valley, Valley Township Authority and Highlands Corporate Center; (c) The Water Asset Purchase Agreement By and Between Valley Township as Seller and Pennsylvania-American Water Company as Buyer, dated as of December 17, 2019; and (d) The November 15, 2011 Agreement between Valley Township and Sadsbury Township.

9. That the proceedings at Docket Nos. A-2020-3019859 and A-2020-3020178 be marked closed.

**BY THE COMMISSION,**

A handwritten signature in black ink, appearing to read "Rosemary Chiavetta". The signature is written in a cursive style with a large initial "R".

Rosemary Chiavetta  
Secretary

(SEAL)

ORDER ADOPTED: October 28, 2021

ORDER ENTERED: October 28, 2021

**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

In re: Application of Pennsylvania-American Water Company :  
under Section 1102(a) of the Pennsylvania Public Utility Code, 66 :  
Pa C.S. § 1102(a), for approval of (1) the transfer, by sale, of :  
substantially all of Valley Township’s assets, properties and rights :  
related to its wastewater collection and conveyance system to : Docket No. A-2020-3020178  
Pennsylvania-American Water Company, and (2) the rights of :  
Pennsylvania-American Water Company to begin to offer or :  
furnish wastewater service to the public in Valley Township, and :  
limited portions of East Fallowfield Township, Sadsbury :  
Township and West Caln Township, Chester County, :  
Pennsylvania. :

In re: Application of Pennsylvania-American Water Company :  
under Section 1329 of the Pennsylvania Public Utility Code, 66 : Docket No. A-2020-\_\_\_\_\_  
Pa. C.S. § 1329, for approval of the use for ratemaking purposes :  
of the lesser of the fair market value or the negotiated purchase :  
price of Valley Township’s assets related to its wastewater :  
collection system. :

Petition of Pennsylvania-American Water Company, related to its :  
acquisition of the Valley Township wastewater collection system, :  
for approval under Section 1329 of the Pennsylvania Public :  
Utility Code, 66 Pa. C.S. § 1329, to (i) collect a distribution system : Docket No. P-2020-\_\_\_\_\_  
improvement charge, (ii) for book and ratemaking purposes, :  
accrue Allowance for Funds Used During Construction for post- :  
acquisition improvements not recovered through the distribution :  
system improvement charge, (iii) for book and ratemaking :  
purposes, defer depreciation related to post-acquisition :  
improvements not recovered through the distribution system :  
improvement charge, and (iv) include, in its next base rate case, a :  
claim for transaction and closing costs. :

In re: Filing by Pennsylvania-American Water Company under : Docket No U-2020-\_\_\_\_\_  
Section 507 of the Pennsylvania Public Utility Code, 66 Pa. C.S. :  
§ 507, of (a) the Asset Purchase Agreement Between :  
Pennsylvania-American Water Company and Valley Township; :  
(b) the Sewer and Water Service Agreement Between West Caln :  
Township, Valley Township, Valley Township Authority and :  
Highlands Corporate Center; and (c) the Agreement between :  
Valley Township and Sadsbury Township. :

**TO THE HONORABLE PENNSYLVANIA PUBLIC UTILITY COMMISSION:**

1. Pennsylvania-American Water Company (“PAWC” or “Applicant”) hereby respectfully requests that the Pennsylvania Public Utility Commission (“Commission”) issue such Certificates of Public Convenience as necessary to evidence its approval under Section 1102(a) of the Pennsylvania Public Utility Code (“Code”), 66 Pa. C.S. § 1102(a), of: (a) the transfer, by sale, of substantially all of Valley Township’s (“Valley’s”) assets, properties and rights related to Valley’s wastewater collection system (the “System”) to PAWC; and, (b) PAWC’s right to begin to offer, render, furnish and supply wastewater service in the areas served by Valley in Valley and in portions of East Fallowfield Township, Sadsbury Township, and West Caln Township (the “Service Area”), Chester County, Pennsylvania (including approval to make effective upon closing the *pro forma* tariff supplement attached hereto as **Appendix A-12**).

2. PAWC also respectfully requests that the Commission approve, pursuant to Code Section 1329, 66 Pa. C.S. § 1329: (a) the use for ratemaking purposes of the lesser of the fair market value or the negotiated purchase price of Valley’s assets related to the System;<sup>1</sup> (b) collection of a distribution system improvement charge (“DSIC”) related to the System prior to the first base rate case in which the System plant-in-service is incorporated into rate base; (c) the accrual of Allowance for Funds Used During Construction (“AFUDC”) for post-acquisition improvements not recovered through the DSIC for book and ratemaking purposes; (d) the deferral of depreciation related to post-acquisition improvements not recovered through the DSIC for book and ratemaking purposes; and (e) the inclusion, in its next base rate case, of a claim for transaction and closing costs related to the acquisition. Attached here to as **Appendix A** is the Commission’s current “66 Pa. C.S. § 1329 Application Filing Checklist - Water/Wastewater (Revised February 28, 2019)” (“Section 1329

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<sup>1</sup> PAWC reserves its right in future proceedings to make rate base claims related to the acquisition as may otherwise be permitted under the Code.

Checklist”), Appendix A to the Commission’s Final Supplemental Implementation Order in *Implementation of Section 1329 of the Public Utility Code*, Docket No. M-2016-2543193 (Order entered February 28, 2019) (“*Final Supplemental Implementation Order*”). For the ease of reference and review, the sub-appendices to **Appendix A** (such as **Appendix A-1**, **Appendix A-2**, etc.) correspond directly with the filing requirements listed in the Commission’s Section 1329 Checklist. Certain appendices contain proprietary information and are, accordingly, labeled as **CONFIDENTIAL** and filed with the Commission’s Secretary under seal.

3. PAWC further requests, pursuant to Code Section 507, 66 Pa. C.S. § 507, the issuance of a Certificate of Filing or approval for: (a) the Asset Purchase Agreement By and Among Valley Township, as Seller, and Pennsylvania-American Water Company, as Buyer, dated as of December 17, 2019 (attached hereto as **Appendix A-24-a**) (the “APA”) (**CONFIDENTIAL**); (b) the Sewer and Water Service Agreement Between West Caln Township, Valley Township, Valley Township Authority and Highlands Corporate Center;<sup>2</sup> and (c) the Agreement between Valley Township and Sadsbury Township.

4. The name and address of the Applicant is:

Pennsylvania-American Water Company  
852 Wesley Drive  
Mechanicsburg, PA 17055

5. The names and addresses of PAWC’s attorneys are:

Susan Simms Marsh, Esquire  
Pennsylvania-American Water Company  
852 Wesley Drive  
Mechanicsburg, PA 17055  
(717) 550-1570  
susan.marsh@amwater.com

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<sup>2</sup> Valley Township Authority was subsequently disbanded.

David P. Zambito Esquire  
Jonathan P. Nase, Esquire  
Cozen O'Connor  
17 North Second Street, Suite 1410  
Harrisburg, PA 17101  
(717) 703-5892  
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jnase@cozen.com

6. PAWC is a regulated public utility corporation duly organized and existing under the laws of the Commonwealth of Pennsylvania, and is engaged in the business of collecting, treating, storing, supplying, distributing and selling water to the public, and collecting, treating, transporting and disposing of wastewater for the public. Water and wastewater service are furnished by PAWC to the public in a service territory encompassing more than 400 communities across the Commonwealth with a combined population of over 2,400,000. A description of PAWC's existing certificated water and wastewater service territory is found in **Appendix B**, along with a detailed corporate history, outlining all of the mergers, acquisitions and consolidations, which have created PAWC as it exists on the date of this Application.

7. Valley is a Township of the Second Class, organized and existing under the laws of the Commonwealth of Pennsylvania, with its offices located at 890 West Lincoln Highway, Coatesville, Pennsylvania. Valley owns and operates the System, providing wastewater service to the Service Area, in Chester County, Pennsylvania.

8. As of December 31, 2019, Valley furnishes wastewater service to approximately 3,125 customers (2,982 residential, 128 commercial, 12 industrial and 3 other customer connections).

9. As of July 31, 2020, PAWC currently furnishes wastewater service to approximately 75,087 residential, commercial, industrial, municipal and bulk customers in Pennsylvania. As of July 31, 2020, PAWC furnished water service to approximately 669,708 residential, commercial, industrial, municipal and bulk customers in Pennsylvania.

10. The completion of the below-defined Transaction will confer benefits upon the long-term financial health of Valley, while ensuring that Valley’s existing customers receive safe, adequate, and reliable wastewater service at just and reasonable rates.

**A. TRANSFER, BY SALE, OF ALL OF VALLEY’S ASSETS, PROPERTIES AND RIGHTS RELATED TO THE SYSTEM TO PAWC (OTHER THAN THE EXCLUDED ASSETS)**

**Summary of the Transaction**

11. Valley entered into the APA (along with detailed schedules) to sell all of Valley’s assets, properties and rights relating to the System (other than the Excluded Assets, as defined by the APA) to PAWC (the “Transaction”).

12. The Transaction will be completed in accordance with the APA.

13. Among other things, the APA: (i) requires PAWC and Valley to complete the Transaction after receipt of all governmental approvals (including from this Commission) and the satisfaction of all conditions precedent; (ii) requires PAWC to assume certain contracts; (iii) requires PAWC initially to adopt Valley’s rates in effect at the time of closing of the Transaction (see *pro forma* tariff supplement attached hereto as **Appendix A-12**); and, (iii) sets forth rates for the Service Area that will be fair to both Valley’s current customers and PAWC’s current customers<sup>3</sup>

**Applicable Legal Standards**

14. Under Code Section 1103, the Joint Applicants must demonstrate that PAWC is legally, technically, and financially fit. *Seaboard Tank Lines v. Pa. Pub. Util. Comm’n*, 502 A.2d 762, 764 (Pa. Cmwlth. 1985); *Warminster Township Mun. Auth. v. Pa. Pub. Util. Comm’n*, 138 A.2d

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<sup>3</sup> The rate commitments set forth in the APA do not fall within the definition of a “rate stabilization plan” as defined by 66 Pa. C.S. § 1329 because PAWC has not made any commitments to control rates beyond Closing as set forth in the APA and PAWC is not asking the Commission to approve any rate commitments as part of this application proceeding. See Direct Testimony of Rod Nevirauskas, Appendix A-14-a, PAWC St. No. 3WW.

240, 243 (Pa. Super. 1958). As a currently certificated public utility, PAWC's fitness is presumed by law to be continuing. *See e.g., South Hills Movers, Inc. v. Pa. Pub. Util. Comm'n*, 601 A.2d 1308, 1310 (Pa. Cmwlth. 1992).

15. The Commission may issue a certificate of public convenience upon a finding that “the granting of such certificate is necessary or proper for the service, accommodation, convenience, or safety of the public.” 66 Pa. C.S. § 1103(a). Ownership and operation of the System by PAWC will “affirmatively promote the service, accommodation, convenience, or safety of the public in some substantial way.” *City of York v. Pa. Pub. Util. Comm'n*, 449 Pa. 136, 151, 295 A.2d 825, 828 (1972). The “substantial public interest” standard is satisfied by a simple preponderance of the evidence of benefits. *Popowsky v. Pa. Pub. Util. Comm'n*, 594 Pa. 583, 611, 937 A.2d 1040, 1057 (2007).

16. Code Section 1329 establishes a voluntary process whereby the acquiring public utility and the selling municipality may choose to have the fair market value of the assets established through independent appraisals conducted by Utility Valuation Experts (“UVEs”). For ratemaking purposes, the valuation will be the lesser of the average of the two appraisals or the negotiated purchase price. 66 Pa. C.S. § 1329.

17. Section 1329 also allows, as a matter of law, the acquiring public utility (i) to collect a DSIC for the Service Area prior to the first base rate case in which the Service Area plant-in-service is incorporated into rate base, (ii) to accrue AFUDC for post-acquisition improvements not recovered through the DSIC for book and ratemaking purposes, (iii) to defer depreciation related to post-acquisition improvements not recovered through the DSIC for book and ratemaking purposes, and (iv) to include, in its next base rate case, a claim for transaction and closing costs associated with the acquisition. In order to obtain this ratemaking treatment, the acquiring public utility must produce certain documents and information as required by the Commission in the context of a future base rate proceeding. 66 Pa. C.S. § 1329; *see Final Supplemental Implementation Order*.

18. Code Section 507, 66 Pa. C.S. § 507, requires that contracts between a public utility and a municipal corporation, except for contracts to furnish service at a regular tariffed rate, be filed with the Commission at least 30 days before the effective date of the contract. The Commission acknowledges the contract by issuing a certificate of filing unless it decides to institute proceedings to determine whether there are any issues with the reasonableness, legality, or any other matter affecting the validity of the contract. Should the Commission initiate proceedings, the contract or agreement is not effective until the Commission grants its approval. 66 Pa. C.S. § 507.

### **Background Financial Information**

19. Attached hereto is the balance sheet of Valley as of December 31, 2019 (**Appendix C**), and PAWC's audited balance sheet as of December 31, 2019 (**Appendix D**)

20. Attached hereto is the audited income statement of Valley for the 12 months ended December 31, 2019 (**Appendix E**), and PAWC's audited income statement for the 12 months ended December 31, 2019 (**Appendix F**).

21. All the annual reports, tariffs, certificates of public convenience, applications, securities certificates and similar documents filed with this Commission by PAWC and its predecessors are made a part hereof by reference.

### **Terms and Impact of the Transaction**

22. As noted above, this Application seeks, among other things, approval of the transfer to PAWC of all of the assets, properties and rights of Valley related to the System (other than the Excluded Assets, as defined by the APA) (**Appendix A-24-a**) (**CONFIDENTIAL**).

23. PAWC and Valley are not affiliated with each other.

24. The Transaction is, and was negotiated, at arm's length.

25. Attached hereto as **Appendix G** is a *pro forma* balance sheet of PAWC as of December

31, 2019, giving effect to the transfer.

26. Attached hereto as **Appendix H** is a *pro forma* consolidated income statement of PAWC and Valley for the 12 months as of December 31, 2019.

27. Attached hereto as **Appendix I** is a certified copy of the resolutions adopted by the Board of Directors of PAWC authorizing the execution of the APA and the consummation of the proposed transfer.

28. Attached hereto as **Appendix J** is a copy of Valley's resolution (2019-24) approving the execution of an asset purchase agreement for the sale of the wastewater system assets.

29. Attached hereto as **Appendix K** is an estimate of PAWC's revenues and expenses in the new service area during the first year after closing.

#### **Transaction's Effect on Service and Rates and Other Affirmative Benefits**

30. The Transaction will have no detrimental effect on the service provided to PAWC's existing customers or the wastewater customers transferred to PAWC by Valley.

31. The Transaction will have a beneficial effect on service to the wastewater customers of Valley. They will receive the benefit of PAWC's experience in managing and operating water and wastewater systems, which will result in efficiencies and improvements to the service to the customers to be transferred.

32. The Transaction is in the public interest, will provide affirmative public benefits of a substantial nature, and satisfies the applicable standard of Code Section 1103, 66 Pa. C.S. § 1103, for, among others, the following reasons:

a. PAWC has the managerial, technical and financial capabilities and fitness to safely and adequately operate the System in compliance with the Code, the Pennsylvania Clean Streams Law (35 P.S. §§ 691.1-691.801), and other requisite regulatory requirements, and to make

improvements, as needed, on a short- and long-term basis;

b. The acquisition will further the Commission's goal of regionalization. *See* 52 Pa. Code § 69.721(a). The System will become part of a larger organization that is more viable from a costs and rates standpoint and is committed to providing improved service in the future;

c. The transferred wastewater customers will be served by a large, financially-sound company that has the capability to finance necessary capital additions. Given its size, access to capital and its recognized strengths in system planning, capital budgeting and construction management, PAWC is well-positioned to ensure that high quality wastewater service meeting federal and state requirements is provided to Valley's customers and maintained for PAWC's existing customers;

d. The transferred wastewater customers will benefit from enhanced customer service in a number of areas, such as, but not limited to, additional bill payment options, extended customer service and call center hours, customer information and education programs, and PAWC's customer assistance program;

e. PAWC currently provides water service to a substantial portion of Valley's wastewater customers. As such, improvements in the wastewater service directly benefit these existing PAWC customers. Furthermore, the geographic proximity of the System and PAWC's existing water certificated service territory creates opportunities for functional and operational consolidation, and associated efficiencies and cost savings. Further opportunities for functional and operational consolidation will be presented in the future because PAWC is simultaneously filing an application to acquire Valley's water system. The System will be operated and managed in conjunction with PAWC's existing "Southeast Operations"; and

f. The Transaction will yield environmental benefits to PAWC's existing customers, the transferred wastewater customers and the general public because PAWC can better

address any environmental deficiencies and operate the System going forward in a more environmentally-friendly way.

33. The Transaction will have no immediate effect on the rates for service to be charged to PAWC's existing customers. With regard to the wastewater customers to be transferred by Valley, PAWC will -- as shown in the *pro forma* tariff submitted with this Application as **Appendix A-12** -- adopt Valley's current rates, shown on **Schedule 7.03(a)** of **Appendix A-24-a (CONFIDENTIAL)** and at **Appendix A-18-a**. Additionally, immediately following closing of the Transaction, the customers in the Service Area will be subject to PAWC's prevailing wastewater tariff on file with, and as approved by, the Commission with respect to all rates other than the customer charge (known under PAWC's current tariff as "monthly service charge") and consumption charge, including but not limited to capacity reservation fees, service line inspection fees and the like, as well as non-rate related terms and conditions of service, including but not limited to, billing frequency, termination procedures, and the like. PAWC respectfully requests approval from the Commission to make effective upon closing of the Transaction its existing rules and regulations regarding conditions of service as revised with the proposed changes shown on the *pro forma* tariff supplement attached hereto as **Appendix A-12**.

34. The ratemaking rate base of the proposed transaction equates to an average rate base per customer less than or *similar* to the average per-customer ratemaking rate base approved by the Commission in other recent PAWC acquisitions,<sup>4</sup> including the acquisition of the water system assets of the Steelton Borough Authority<sup>5</sup> and the acquisition of the wastewater system assets of the Kane

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<sup>4</sup> The ratemaking rate base of the Transaction equates to approximately \$4,464 per customer, on average. See PAWC Statement No. 3 WW Direct Testimony of Rod P. Nevirauskas at p. 7.

<sup>5</sup> Docket No. A-2019-3006880, Opinion and Order entered October 3, 2019. \$20.5 million ratemaking rate base approved (Recommended Decision p. 36) / 2,472 customers (Recommended Decision p. 10) = average rate base of \$8,293 per customer.

Borough Authority.<sup>6</sup> The Commission approved the Steelton acquisition on October 3, 2019 and the Kane acquisition on June 18, 2020, finding the settlements of the application proceedings to be in the public interest.

35. The public and more specifically, the residents of Valley (who will be both water and wastewater customers of PAWC post-closing) will benefit from the Transaction because the purchase price will provide funds which can potentially be used for public purposes, such as, reducing pension liabilities and debt, funding public works, mitigating tax increases, promoting economic development, providing police and fire protection, maintaining and upgrading parks, etc. By selling the System, Valley will no longer have the burden of maintaining and operating a wastewater business and is enabled to focus more on its core governmental functions. Finally, transferring the System to an investor-owned utility subjects it to taxation and provides the affirmative public benefit of creating tax revenues.

**B. THE RIGHTS OF PAWC TO OFFER OR FURNISH WASTEWATER SERVICE TO THE PUBLIC IN VALLEY, AND IN PORTIONS OF EAST FALLOWFIELD TOWNSHIP, SADSBUARY TOWNSHIP, AND WEST CALN TOWNSHIP, CHESTER COUNTY, PENNSYLVANIA**

36. Valley currently provides wastewater service to approximately 3,125 customers in the Service Area.

37. On April 14, 2020, Valley filed a Petition for Declaratory Order at Docket No. P-2020-3019477 (“Valley Petition”) requesting that the Commission issue a declaratory order that Valley’s provision of wastewater service to 20 customers in West Caln Township, one customer in Sadsbury Township and 9 customers in East Fallowfield Township does not constitute the provision of public utility service, and, therefore, is not subject to Commission jurisdiction. By Order entered on August

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<sup>6</sup> Docket No. A-2019-3014248, Opinion and Order entered June 18, 2020. \$17,560,000 ratemaking rate base approved (Recommended Decision p. 24) / 2,019 customers (Recommended Decision p. 9) = average rate base of \$8,697 per customer.

6, 2020, the Commission granted the Valley Petition. In the Order, the Commission specifically found that “Valley Township’s service to its extraterritorial wastewater customers in West Caln, Sadsbury and East Fallowfield Township is not ‘for the public.’” Thus, the 20 customers in West Caln Township, the one customer in Sadsbury Township and the 9 customers in East Fallowfield Township are included in this Application as part of PAWC’s applied-for service territory.

38. Valley’s Service Area is the same as PAWC’s applied-for service territory and is shown on the maps in **Appendix A-16-a through A-16-h (Appendix A-16-f CONFIDENTIAL)** and is further described in that appendix. The applied-for service area is consistent with the Act 537 Service Area within Valley.

39. No corporation, partnership or individual other than Valley is now furnishing or has corporate or franchise rights to furnish service similar to that to be rendered by PAWC in the territory covered by this Application, and no competitive condition will be created. As part of this Application, PAWC has requested approval to acquire, by purchase, all of the assets, properties and rights of the System (other than the Excluded Assets, as set forth in the APA). Upon closing of the Transaction, Valley will permanently discontinue all wastewater service to the public.

40. The estimated annual revenues and expenses of PAWC in the Service Area are set forth in **Appendix K**.

### **C. FAIR MARKET VALUATION UNDER CODE SECTION 1329**

41. **Appendix A** and related Section 1329 Checklist appendices satisfy the filing requirements of Code Section 1329, the *Final Supplemental Implementation Order*, and the Section 1329 Checklist. The Section 1329 appendices correspond directly with the numbered requirements of the Section 1329 Checklist (*e.g.*, **Appendix A-1** (Requirement No. 1), **Appendix A-2** (Requirement No. 2), etc.).

42. The fair market valuation reports of the seller's and buyer's UVEs are contained in **Appendix A-5** (with electronic working documents included at **Appendix A-4 as Appendix A-4.2 (AUS) and Appendix A-4.3 (Gannett)**). Buyer's UVE's written direct testimony in support of its report is set forth in **Appendix A-14-b**.<sup>7</sup>

43. PAWC's other written direct testimony in support of this Application can be found in **Appendix A-14-a**.

44. As PAWC has strictly followed the requirements of Code Section 1329, the *Final Supplemental Implementation Order*, and the Section 1329 Checklist, PAWC should be permitted to: (a) use for ratemaking purposes the lesser of the fair market value or the negotiated purchase price of the assets related to the System; (b) collect a DSIC related to the Service Area prior to the first base rate case in which the Service Area plant-in-service is incorporated into rate base; (c) accrue AFUDC for post-acquisition improvements not recovered through the DSIC for book and ratemaking purposes; (d) defer depreciation related to post-acquisition improvements not recovered through the DSIC for book and ratemaking purposes; and, (e) include, in its next base rate case, a claim for transaction and closing costs related to the acquisition.

#### **D. FILING OF CONTRACTS PURSUANT TO CODE SECTION 507**

45. The APA, because it is between PAWC and a municipal corporation, is required to be filed with the Commission under 66 Pa. C.S. § 507. The APA is attached hereto as **Appendix A-24-a (CONFIDENTIAL)**. In addition, Valley will assign to PAWC (i) the November 16, 1988 Sewer and Water Service Agreement Between West Caln Township, Valley Township, Valley Township

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<sup>7</sup> PAWC is submitting direct testimony of Valley's UVE and the Chairwoman of Valley's Board as directed by the *Final Supplemental Implementation Order*. PAWC's submission of this testimony should not be considered support for or sponsoring of such testimony. PAWC anticipates that Valley will intervene in this matter and will sponsor its direct testimony and exhibits. PAWC reserves its right to submit rebuttal testimony regarding Valley's testimony as appropriate.

Authority and Highlands Corporate Center; and (ii) the November 15, 2011 Agreement between Valley Township and Sadsbury Township.<sup>8</sup> These agreements can be found in **Appendix A-25-a**. These agreements are reasonable and otherwise lawful. PAWC requests that the Commission issue a Certificate of Filing or otherwise approve them, for the reasons described in detail in the testimony of Keith Gabage, PAWC Statement No. 1WW, **Appendix A-14-a**, if the Commission deems that a Certificate of Filing or approval for such agreements is necessary under 66 Pa. C.S. § 507.

#### **E. NOTICE**

46. As evidenced by the Certificate of Service accompanying this Application, PAWC is serving copies of this filing by certified mail on the Office of Consumer Advocate, the Office of Small Business Advocate, and the Commission's Bureau of Investigation and Enforcement. Once the Application is reviewed and conditionally accepted by Commission Staff, PAWC will serve copies of the Application upon the municipal entities required to be provided with copies by the Commission's regulations at 52 Pa. Code § 3.501(f) and by the Section 1329 Checklist and upon the Pennsylvania Department of Environmental Protection ("DEP") Central Office and Southeast Regional Office. Similarly, notice will be published in local newspapers of general circulation.

47. Upon receiving conditional acceptance of this filing by the Commission, PAWC will provide individual notice to its customers by bill insert or bill onsert and to Valley's customers by direct mail, in substantial compliance with the settlement in *Application of Pennsylvania-American Water Company Pursuant to Sections 1102 and 1329 of the Public Utility Code for Approval of its Acquisition of the Water System Assets of the Steelton Borough Authority*, Docket No. A-2019-3006889 (Order entered October 3, 2019).<sup>9</sup> PAWC will verify to the Commission when individual

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<sup>8</sup> Valley will also assign to PAWC several contracts between Valley and the City of Coatesville Authority. Since PAWC now owns the City of Coatesville Authority, these contracts will cease to be effective at closing, and Commission approval is unnecessary.

<sup>9</sup> See Direct Testimony of Rod P. Nevirauskus, **Appendix A-14-a**, PAWC Statement No. 3WW. at p. 10.

notice to affected customers has been completed and ask that the filing be finally accepted.

48. Upon final acceptance of this filing, PAWC respectfully requests that the Commission publish notice of this filing in the Pennsylvania Bulletin as soon as possible, with a reasonable deadline for the filing of protests, interventions, etc. in this proceeding.

#### F. CONCLUSION AND REQUEST FOR RELIEF

WHEREFORE, Pennsylvania-American Water Company respectfully requests that the Pennsylvania Public Utility Commission approve the Application and order that:

(a) such Certificates of Public Convenience be issued as necessary to evidence its approval under 66 Pa. C.S. § 1102(a) of (i) the transfer, by sale, of substantially all of Valley's assets, properties and rights related to its wastewater collection system to Pennsylvania-American Water Company, and (ii) Pennsylvania-American Water Company's right to begin to offer, render, furnish and supply wastewater service in the areas served by Valley in Valley and in portions of East Fallowfield Township, Sadsbury Township and West Caln Township, Chester County, Pennsylvania;

(b) the *pro forma* tariff supplement attached hereto as **Appendix A-12**, including all rates, rules and regulations regarding conditions of Pennsylvania-American Water Company's wastewater service as revised herein, be permitted to become effective immediately upon closing of the transaction;

(c) pursuant to 66 Pa. C.S. § 1329, Pennsylvania-American Water Company be permitted to use for ratemaking purposes the lesser of the fair market value or the negotiated purchase price of the assets purchased pursuant to the Transaction;

(d) pursuant to 66 Pa. C.S. § 1329, Pennsylvania-American Water Company be permitted to collect a distribution system improvement charge prior to the first base rate case in which the Service Area plant-in-service is incorporated into rate base;

(e) pursuant to 66 Pa. C.S. § 1329, Pennsylvania-American Water Company be permitted

to accrue Allowance for Funds Used During Construction for post-acquisition improvements not recovered through the distribution system improvement charge for book and ratemaking purposes;

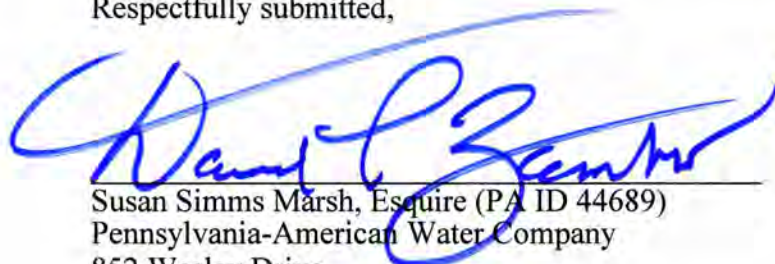
(f) pursuant to 66 Pa. C.S. § 1329, Pennsylvania-American Water Company be permitted to defer depreciation related to post-acquisition improvements not recovered through the DSIC for book and ratemaking purposes;

(g) pursuant to 66 Pa. C.S. § 1329, Pennsylvania-American Water Company be permitted to include, in its next base rate case, a claim for transaction and closing costs associated with the acquisition of the System;

(h) pursuant to 66 Pa. C.S. § 507, a Certificate of Filing or approval be issued for the Asset Purchase Agreement By and Among Valley, as Seller, and Pennsylvania-American Water Company, as Buyer, dated as of December 17, 2019 (attached hereto as **Appendix A-24-a (CONFIDENTIAL)**); (b) the November 16, 1988 Sewer and Water Service Agreement Between West Caln Township, Valley Township, Valley Township Authority and Highlands Corporate Center; and (c) the November 15, 2011 Agreement between Valley Township and Sadsbury Township (both attached hereto in **Appendix A-25-a**); and,

(i) the issuance of any other approvals or certificates appropriate, customary, or necessary under the Code to carry out the Transaction contemplated in this Application in a lawful manner.

Respectfully submitted,

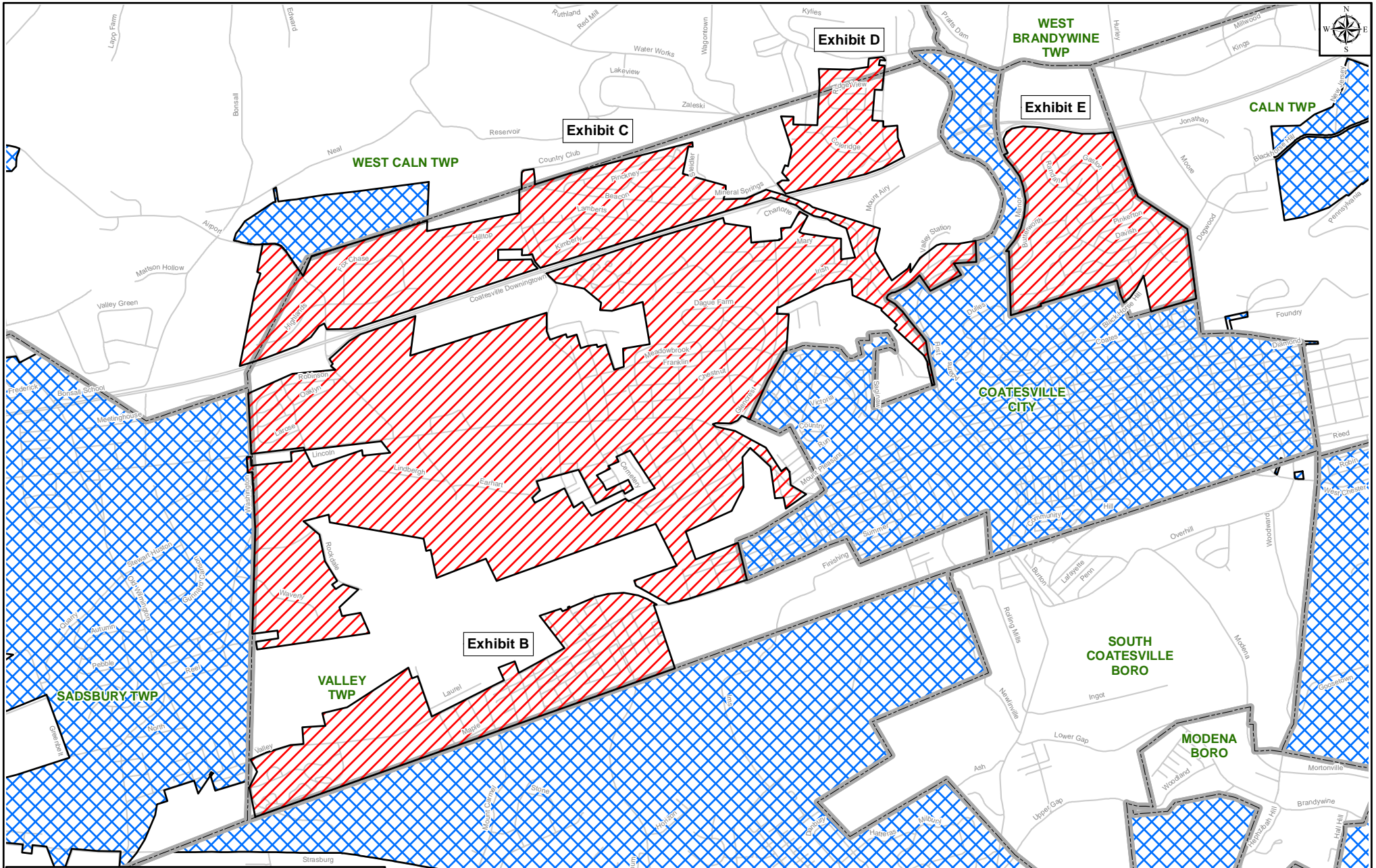


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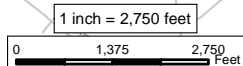
Dated: October 9, 2020



Pennsylvania-American Water Company  
 Coatesville Operating Area  
 Proposed Wastewater Service Territory Overview - Exhibit A  
 Approximately 2,462 Acres  
 Valley Township, Chester County



**Legend**  
 Applied For Wastewater Service Territory  
 PAWC Certificated Wastewater Service Territory



Disclaimer: Bearings and Distances were not developed as a result of a physical survey completed by a Professional Licensed Surveyor, but instead completed through employment of ESRI's ArcGIS COGO tool.  
 \* Bearings & Distances attached separately

**Starting Point:** The northwestern most point of parcel UPI 38-5-3.

Sequence	From	To	Bearing	Distance
1	1	2	N76°04'04"E	540.579281
2	2	3	N57°12'02"E	1544.707455
3	3	4	S20°02'03"E	240.000894
4	4	5	N69°43'02"E	126.044423
5	5	6	S18°58'17"E	904.933125
6	6	7	N63°19'44"E	1713.983034
7	7	8	N23°45'46"W	295.087562
8	8	9	N68°42'07"E	378.113594
9	9	10	S18°56'54"E	261.689501
10	10	11	N61°24'35"E	1095.584947
11	11	12	N37°35'30"W	862.40738
12	12	13	N70°58'25"E	472.451471
13	13	14	S35°29'32"E	71.721282
14	14	15	N64°49'44"E	138.498803
15	15	16	N26°33'50"W	35.009673
16	16	17	N64°49'41"E	40.012993
17	17	18	S26°33'46"E	35.010739
18	18	19	N66°34'36"E	588.23513
19	19	20	N76°31'43"E	264.443862
20	20	21	N86°32'16"E	340.420316
21	21	22	S80°34'09"E	311.988719
22	22	23	S68°30'08"E	209.85539
23	23	24	S57°56'06"E	231.454373
24	24	25	S85°26'57"W	65.418937
25	25	26	S18°31'30"E	1416.781212
26	26	27	S70°27'40"W	9436.155784
27	27	28	N11°31'43"W	642.809756
28	28	29	N26°10'40"E	370.113793
29	29	30	N28°26'26"W	298.19345
30	30	31	N66°39'59"E	366.613778
31	31	32	N73°05'52"E	541.360688
32	32	33	N84°30'39"E	272.59071
33	33	34	N3°40'07"W	355.001748
34	34	35	N86°12'48"E	488.12351
35	35	1	N13°50'36"W	270.000727

**Starting Point:** The southeastern most point of parcel UPI 38-4-5.3D.

Sequence	From	To	Bearing	Distance
1	15	16	N12°06'22"W	60.206745
2	16	17	S83°03'21"W	1121.246637
3	17	18	N2°49'28"W	1283.258458
4	18	19	N66°09'12"E	1019.36953
5	19	20	N84°37'22"E	911.909402
6	20	21	N46°03'43"W	121.866077
7	21	22	N41°28'37"E	56.142781
8	22	23	N34°37'02"W	128.396382
9	23	24	N48°11'05"E	572.270417
10	24	25	N58°39'15"E	278.08428
11	25	26	N71°46'13"E	1225.061763
12	26	27	S7°28'53"W	850.048172
13	27	28	N72°28'47"E	3030.593052
14	28	29	S0°18'32"E	391.879953
15	29	30	S19°25'38"E	191.289255
16	30	31	N71°11'27"E	360.927363
17	31	32	S17°47'58"E	75.806638
18	32	33	N72°11'58"E	215.093397
19	33	34	S17°07'25"E	304.009765
20	34	35	N72°11'57"E	145.147037
21	35	36	N80°35'23"E	201.194362
22	36	37	S17°31'19"E	58.097129
23	37	38	N71°59'08"E	187.033452
24	38	39	S17°54'24"E	564.194518
25	39	40	N72°52'42"E	213.069149
26	40	41	N2°56'38"W	384.369376
27	41	42	N80°31'57"E	576.765284
28	42	43	N9°18'36"W	910.726996
29	43	44	S74°08'30"W	677.594711
30	44	45	N86°27'52"W	255.760988
31	45	46	N8°53'18"E	157.915316
32	46	47	N50°31'14"W	463.886856
33	47	48	N78°09'44"W	610.339603
34	48	49	N45°42'26"W	286.437779
35	49	50	N71°59'26"E	2538.260629
36	50	51	N73°38'50"E	1390.996631
37	51	52	S15°49'41"E	119.998852
38	52	53	S81°33'18"E	541.070726
39	53	54	S4°20'50"E	331.205835
40	54	55	N85°04'54"E	599.67618
41	55	56	N6°08'23"W	22.20599
42	56	57	N86°02'07"E	51.899114
43	57	58	N4°20'50"W	227.47214
44	58	59	N85°39'09"E	206.893423
45	59	60	N28°34'57"E	386.155182

46	60	61	S63°03'10"E	200.07995
47	61	62	S28°33'36"W	384.331279
48	62	63	S63°34'21"E	75.265537
49	63	64	S81°15'37"E	655.024729
50	64	65	S85°47'04"E	170.605639
51	65	66	S0°22'31"E	438.081509
52	66	67	N83°30'15"E	304.637894
53	67	68	N16°49'49"W	653.54405
54	68	69	N66°38'30"W	356.96889
55	69	70	N52°55'57"W	89.516272
56	70	71	N77°04'19"W	294.418745
57	71	72	N63°57'35"W	255.190337
58	72	73	N53°01'08"W	188.397356
59	73	74	N72°42'16"W	554.575825
60	74	75	S72°59'22"W	5112.25363
61	75	76	N41°36'23"W	169.300354
62	76	77	N22°01'39"W	174.856619
63	77	78	S74°00'32"W	49.749731
64	78	79	S88°40'03"W	165.365606
65	79	80	N1°32'44"E	121.900424
66	80	81	S89°19'14"W	506.85001
67	81	82	S1°32'44"W	222.42882
68	82	83	N88°41'21"E	710.486737
69	83	84	S26°01'19"E	109.322324
70	84	85	S41°39'25"E	130.191385
71	85	86	S71°50'42"W	4043.044376
72	86	87	S82°09'28"W	174.284713
73	87	88	S89°24'47"W	455.634198
74	88	89	N23°24'16"W	135.106555
75	89	90	S62°46'18"W	126.909833
76	90	91	S36°45'02"W	287.384622
77	91	92	S57°17'54"W	346.613931
78	92	93	S69°20'58"W	733.303109
79	93	94	S72°53'10"W	557.301434
80	94	95	N11°28'29"E	1620.842113
81	95	96	N17°47'03"E	391.518726
82	96	97	N68°41'36"W	78.155837
83	97	98	N11°29'31"E	601.824668
84	98	99	N87°31'15"E	255.348793
85	99	100	S71°53'26"E	122.901069
86	100	101	S42°53'23"E	185.742962
87	101	102	S34°58'31"E	627.241305
88	102	103	N23°03'03"E	461.520296
89	103	104	N72°53'59"E	2558.668082
90	104	105	S2°09'28"W	223.405258
91	105	106	N78°59'03"E	2000.946471
92	106	107	N0°02'40"W	502.307026

93	107	108	N72°08'27"E	51.569568
94	108	109	N0°48'59"W	152.98272
95	109	110	N2°22'46"E	186.724622
96	110	111	N35°00'15"E	58.646473
97	111	112	N81°01'14"E	219.974069
98	112	113	S6°39'32"E	214.68146
99	113	114	S1°34'08"W	119.101204
100	114	115	N72°08'27"E	778.544134
101	115	116	N75°47'47"E	2676.637976
102	116	117	S8°55'02"E	95.691784
103	117	118	S88°41'32"W	96.995233
104	118	119	S11°48'43"W	578.778675
105	119	120	S74°31'07"E	947.347499
106	120	121	S1°26'13"W	101.347007
107	121	122	S12°37'24"W	199.870136
108	122	123	N87°26'54"E	470.184223
109	123	124	N66°41'09"E	470.524392
110	124	125	S73°44'34"E	356.9378
111	125	126	S69°15'02"E	604.156658
112	126	127	S54°28'50"E	88.848949
113	127	128	S72°06'25"E	1503.120066
114	128	129	S12°54'40"W	477.549457
115	129	130	S29°56'38"E	725.002
116	130	131	N53°39'36"E	420.312155
117	131	132	N27°13'55"E	112.624332
118	132	133	S0°01'15"W	183.705758
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122	136	137	S89°08'14"E	361.85499
123	137	138	N79°48'33"E	369.583601
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127	141	142	S62°38'18"W	732.091846
128	142	143	N34°16'51"W	395.911878
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130	144	145	S63°54'18"W	178.878826
131	145	146	S67°55'36"W	94.305899
132	146	147	S77°20'59"W	59.21025
133	147	148	S60°49'40"W	93.022616
134	148	149	S25°36'33"W	67.146962
135	149	150	S23°46'23"E	41.281206
136	150	151	S60°56'03"E	180.114223
137	151	152	S43°30'54"E	236.481336
138	152	153	S38°13'00"E	792.458696
139	153	154	S8°53'49"E	274.858482

140	154	155	S12°02'41"E	668.197224
141	155	156	S70°07'21"W	45.120973
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143	157	158	N3°29'47"W	107.647374
144	158	159	N29°52'44"W	158.014359
145	159	160	N47°26'13"W	850.914213
146	160	161	N39°43'47"E	91.912663
147	161	162	N47°32'48"W	447.517707
148	162	163	N1°12'19"W	47.440499
149	163	164	N65°23'01"W	672.722822
150	164	165	N3°53'04"W	347.578523
151	165	166	S76°04'19"W	580.649996
152	166	167	S64°24'50"W	1065.972459
153	167	168	N86°34'31"W	47.044514
154	168	169	S2°03'13"W	146.172141
155	169	170	S87°57'56"E	247.948499
156	170	171	S3°11'13"W	503.031985
157	171	172	S6°15'09"W	277.977586
158	172	173	S73°47'16"W	44.895911
159	173	174	S29°28'09"W	708.718352
160	174	175	S24°24'41"W	898.464312
161	175	176	N65°32'05"W	189.773522
162	176	177	S40°15'42"W	141.734105
163	177	178	S68°22'29"W	153.445425
164	178	179	N89°27'43"W	309.729652
165	179	180	S75°39'57"W	75.224897
166	180	181	S50°13'16"E	94.334766
167	181	182	S77°53'22"E	408.324262
168	182	183	S61°39'59"E	744.404343
169	183	184	S33°29'52"E	599.943498
170	184	185	N51°46'08"E	127.39087
171	185	186	S37°07'32"E	116.296488
172	186	187	S5°22'05"E	279.002044
173	187	188	S58°51'24"E	385.508249
174	188	189	S54°48'31"W	532.371829
175	189	190	N10°35'56"W	242.816747
176	190	191	S86°14'47"W	180.968045
177	191	192	N8°17'59"W	669.743255
178	192	193	N47°11'00"W	591.539543
179	193	194	S40°25'02"W	258.248381
180	194	195	S2°35'55"E	636.344953
181	195	196	S26°53'47"W	568.744792
182	196	197	S65°56'01"W	1062.243003
183	197	198	S19°39'32"E	628.482092
184	198	199	N68°43'51"E	965.184813
185	199	200	S13°14'34"E	803.901642
186	200	201	S71°54'30"W	1317.655977

187	201	202	S76°09'23"W	420.594317
188	202	203	N61°11'28"W	788.597648
189	203	204	N19°29'21"W	117.193606
190	204	205	N70°30'41"E	961.277152
191	205	206	N26°54'09"W	996.647873
192	206	250	N50°12'53"W	744.551036
193	250	249	N63°37'44"E	625.175422
194	249	248	N33°26'31"W	954.20822
195	248	247	S65°30'33"W	322.707219
196	247	246	S25°15'29"E	114.206478
197	246	245	S66°25'43"W	238.025532
198	245	244	S34°02'56"E	63.785458
199	244	243	S64°14'50"W	315.109304
200	243	242	S37°45'28"E	219.326282
201	242	241	S26°18'01"E	160.264954
202	241	240	N64°45'55"E	518.772517
203	240	239	S25°49'59"E	218.567092
204	239	238	S59°24'53"W	200.979973
205	238	237	N24°12'38"W	87.214991
206	237	236	S63°46'26"W	640.507834
207	236	235	N27°08'40"W	800.791662
208	235	234	S74°34'38"W	926.701362
209	234	233	S20°12'35"E	201.919445
210	233	232	S44°43'35"W	225.848945
211	232	231	S25°50'54"E	117.210882
212	231	255	N64°09'02"E	703.772784
213	255	254	S25°22'42"E	446.414932
214	254	253	N57°27'47"E	220.378484
215	253	252	S32°57'06"E	351.19488
216	252	251	N63°01'56"E	803.611252
217	251	250	S51°08'45"E	89.269123
218	250	206	S50°12'53"E	744.551036
219	206	207	S70°09'26"W	3582.378568
220	207	208	N25°57'39"W	524.999413
221	208	209	S68°37'59"W	1121.650603
222	209	210	N11°51'38"W	614.086101
223	210	211	S75°06'10"W	93.332395
224	211	212	N12°34'35"W	267.542442
225	212	213	N80°07'12"W	2012.091968
226	213	214	N9°21'48"W	161.584036
227	214	215	S75°04'29"W	554.444266
228	215	216	S50°18'58"E	436.018492
229	216	217	S12°22'55"E	580.029538
230	217	218	S31°48'01"E	489.748191
231	218	219	S52°41'19"W	135.851362
232	219	220	S38°59'12"E	117.609768
233	220	221	N56°25'29"E	186.851381

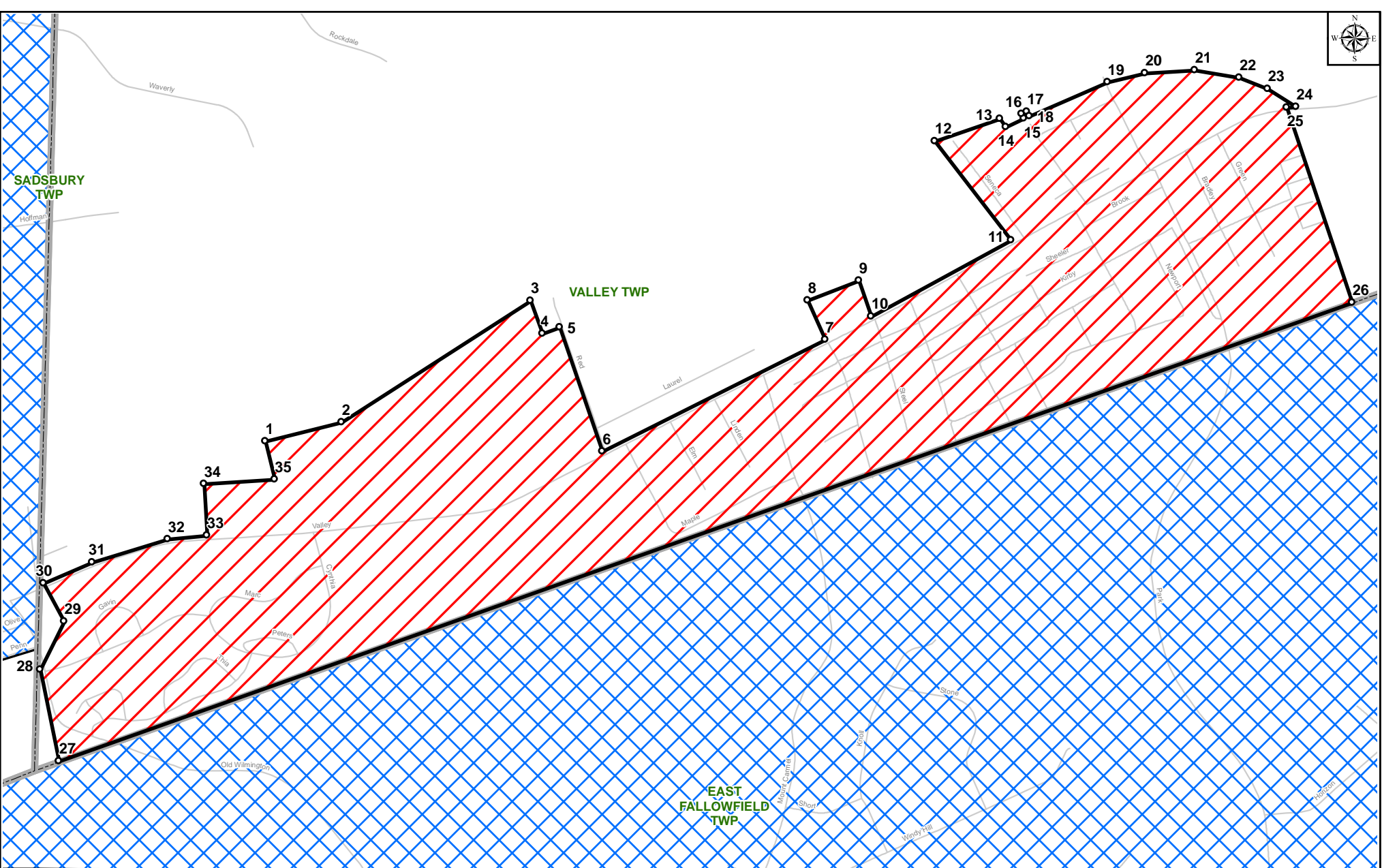
234	221	222	S71°34'25"E	339.568875
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236	223	224	S17°24'46"E	200.058302
237	224	225	N79°31'52"E	401.650053
238	225	1	S23°13'09"E	468.998822
239	1	2	S81°39'28"W	2409.098106
240	2	3	N7°57'20"W	170.000476
241	3	4	N82°02'40"E	480.632656
242	4	5	N7°01'24"W	169.684353
243	5	6	S82°03'14"W	536.433145
244	6	7	N1°31'43"E	2219.441438
245	7	8	N2°49'28"W	1216.982772
246	8	9	S83°24'29"W	95.71265
247	9	10	N4°26'17"W	327.219998
248	10	11	N83°25'26"E	89.048
249	11	12	S3°12'18"E	191.727752
250	12	13	N83°46'49"E	863.463859
251	13	14	N4°51'33"W	199.999845
252	14	15	N82°34'13"E	288.733197
253	15	230	S26°29'13"E	395.661936
254	230	229	N71°19'42"E	1105.007906
255	229	228	S4°50'33"E	115.591594
256	228	227	N84°07'59"E	588.316612
257	227	226	N37°37'29"W	313.516433
258	226	15	S83°14'17"W	1638.303805

**Starting Point:** The southern most point of parcel UPI 38-2-23.

Sequence	From	To	Bearing	Distance
1	1	2	N39°56'22"W	285.679569
2	2	3	N58°54'41"E	120.116531
3	3	4	S89°58'45"E	139.881873
4	4	5	N39°19'09"W	213.021322
5	5	6	N21°13'06"E	169.40321
6	6	7	S69°10'04"E	66.125172
7	7	8	N12°43'08"E	366.556838
8	8	9	N18°15'31"W	741.861032
9	9	10	S87°33'22"E	270.047708
10	10	11	S4°01'21"W	159.999505
11	11	12	S87°33'46"E	514.870381
12	12	13	N3°03'47"E	869.849023
13	13	14	N2°33'53"W	332.565979
14	14	15	S88°11'23"E	653.103171
15	15	16	N81°53'29"E	392.980845
16	16	17	N4°48'18"E	185.771252
17	17	18	N84°21'19"E	278.254324
18	18	19	S62°37'09"E	54.331152
19	19	20	S24°56'07"E	48.998425
20	20	21	N86°08'52"W	110.866413
21	21	22	S9°17'17"W	112.505967
22	22	23	S86°08'53"E	120.054326
23	23	24	S5°25'34"W	518.962466
24	24	25	N86°33'08"W	161.668669
25	25	26	S4°20'16"W	658.287665
26	26	27	S86°58'46"E	232.653546
27	27	28	S1°23'27"E	121.96626
28	28	29	N84°39'13"E	294.972352
29	29	30	S2°31'32"E	253.348344
30	30	31	S19°03'42"E	430.028724
31	31	32	S62°53'04"W	532.042046
32	32	33	S69°57'08"W	366.328964
33	33	1	S76°08'33"W	1748.070146

**Starting Point:** The northeastern most point of parcel UPI 38-3-487.

Sequence	From	To	Bearing	Distance
1	1	2	S21°01'58"E	1463.852317
2	2	3	S56°38'32"E	1245.839031
3	3	4	S7°20'46"E	1494.236088
4	4	5	S74°17'02"W	992.657788
5	5	6	N12°04'51"W	775.433277
6	6	7	S27°58'51"W	319.473763
7	7	8	S35°38'00"W	222.71207
8	8	9	S50°44'18"W	176.158628
9	9	10	N22°17'26"W	177.381735
10	10	11	N14°38'02"W	322.305087
11	11	12	S72°46'41"W	1695.108017
12	12	13	S16°11'36"E	45.795108
13	13	14	S73°00'02"W	666.818207
14	14	15	N1°51'34"W	1361.32795
15	15	16	S86°45'30"W	61.711744
16	16	17	N37°56'33"E	294.779472
17	17	18	N28°20'39"E	289.021142
18	18	19	N13°27'51"E	279.888723
19	19	20	N6°30'46"E	326.279944
20	20	21	N10°38'46"W	297.061578
21	21	22	N20°03'14"W	223.431363
22	22	23	N34°18'26"W	270.865133
23	23	24	N41°12'46"W	185.77911
24	24	25	N30°53'11"W	110.639389
25	25	26	N64°13'05"E	91.546291
26	26	27	N26°46'05"W	137.787821
27	27	28	N9°31'17"W	171.771387
28	28	29	N23°07'05"E	165.953506
29	29	30	N55°40'56"E	131.939475
30	30	31	N78°39'19"E	239.649451
31	31	32	S86°33'04"E	384.87005
32	32	33	S80°59'46"E	872.109622
33	33	34	S89°56'11"E	311.145191
34	34	1	N84°13'58"E	362.166152



SADSBURY  
TWP

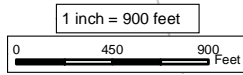
VALLEY TWP

EAST  
FALLOWFIELD  
TWP

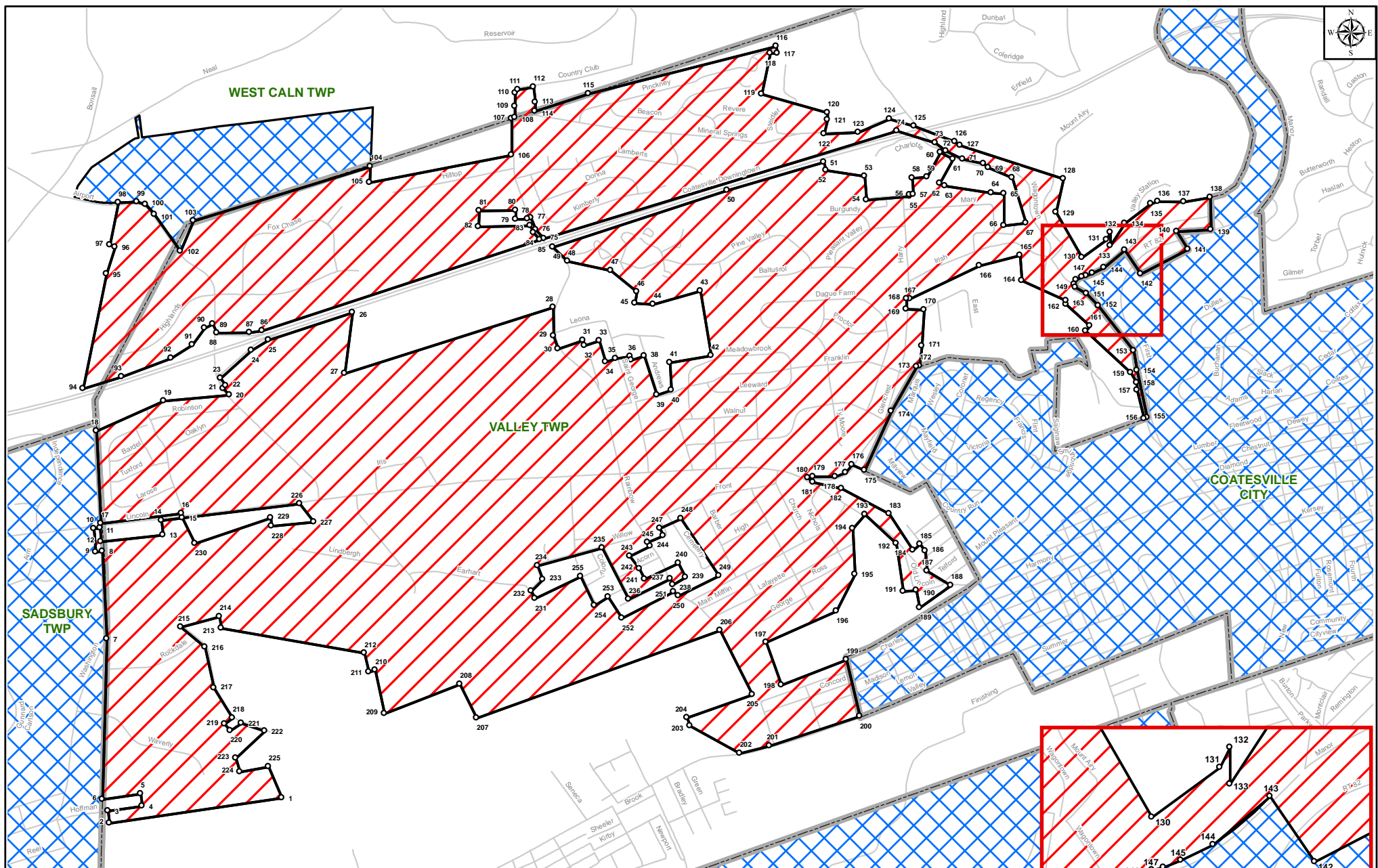
Pennsylvania-American Water Company  
Coatesville Operating Area  
Proposed Wastewater Service Territory - Exhibit B  
Approximately 304 Acres  
Valley Township, Chester County



**Legend**  
○ Bearings & Distance Points  
▨ Applied For Wastewater Service Territory  
▩ PAWC Certified Wastewater Service Territory



Disclaimer: Bearings and Distances were not developed as a result of a physical survey completed by a Professional Licensed Surveyor, but instead completed through employment of ESRI's ArcGIS COGO tool.  
\* Bearings & Distances attached separately



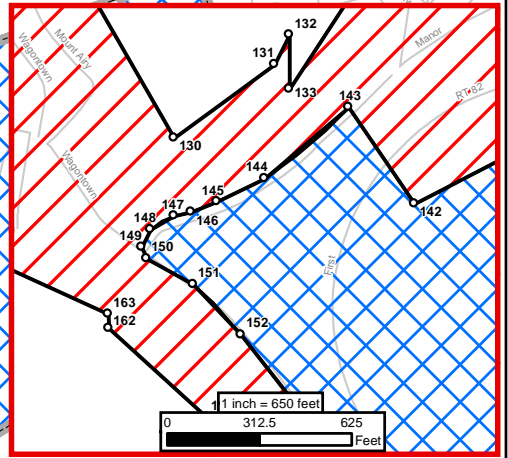
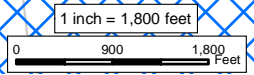
Pennsylvania-American Water Company  
 Coatesville Operating Area  
 Proposed Wastewater Service Territory - Exhibit C  
 Approximately 1,806 Acres  
 Valley Township, Chester County

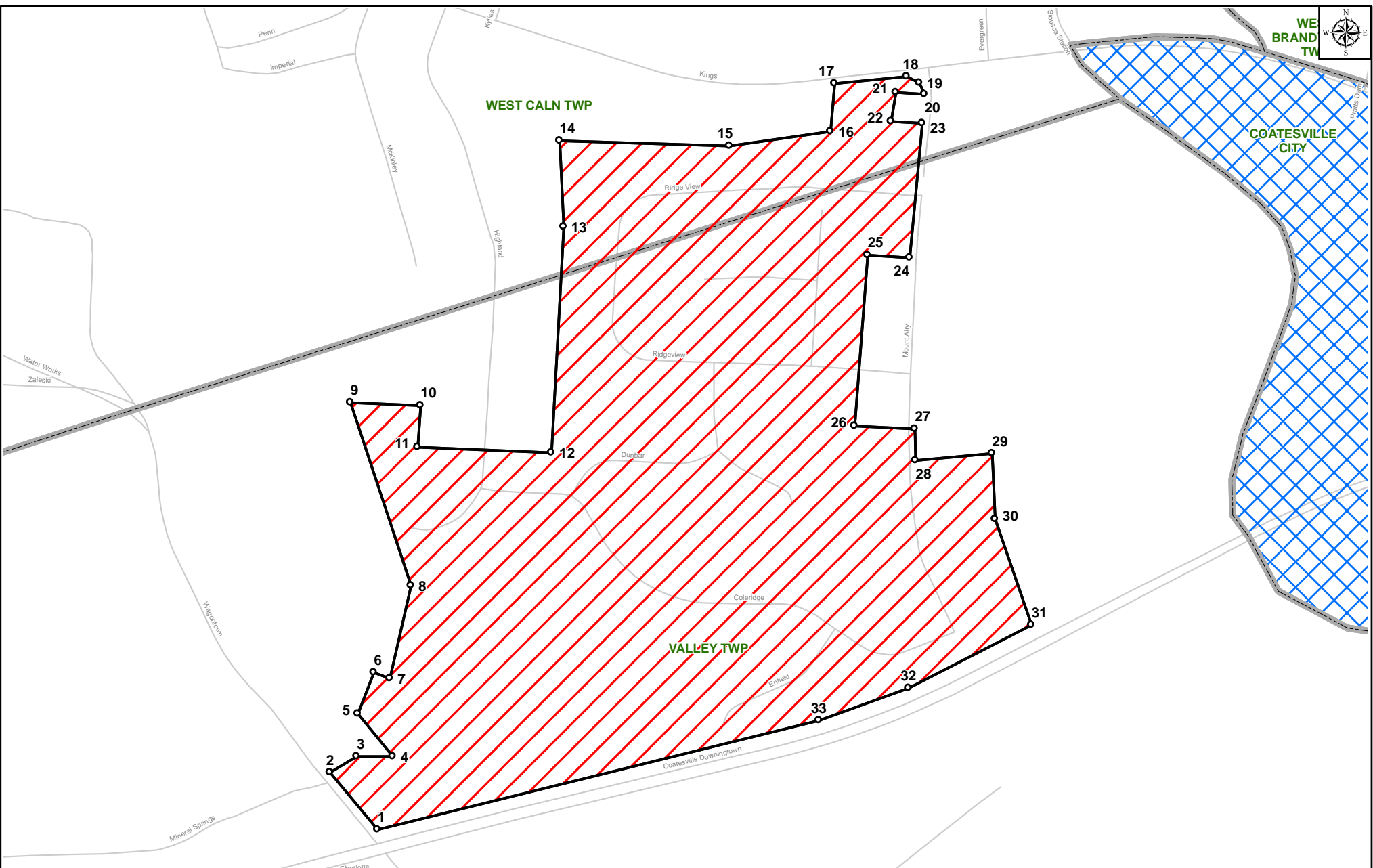


**Legend**

- Bearings & Distance Points
- ▭ Applied For Wastewater Service Territory
- ▭ PAWC Certificated Wastewater Service Territory

Disclaimer: Bearings and Distances were not developed as a result of a physical survey completed by a Professional Licensed Surveyor, but instead completed through employment of ESRI's ArcGIS COGO tool.  
 \* Bearings & Distances attached separately





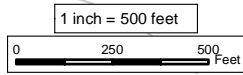
Pennsylvania-American Water Company  
 Coatesville Operating Area  
 Proposed Wastewater Service Territory - Exhibit D  
 Approximately 100 Acres  
 Valley Township, Chester County



**Legend**

- Bearings & Distance Points
- ▨ Applied For Wastewater Service Territory
- ▨ PAWC Certificated Wastewater Service Territory

NOT BE USED FOR REFERENCE ONLY  
 BEARINGS AND DISTANCES WERE NOT DEVELOPED AS A RESULT OF A PHYSICAL SURVEY COMPLETED BY A PROFESSIONAL LICENSED SURVEYOR, BUT INSTEAD COMPLETED THROUGH EMPLOYMENT OF ESRI'S ARCGIS COGO TOOL.  
 BEARINGS AND DISTANCES ATTACHED SEPARATELY



Disclaimer: Bearings and Distances were not developed as a result of a physical survey completed by a Professional Licensed Surveyor, but instead completed through employment of ESRI's ArcGIS COGO tool.  
 \* Bearings & Distances attached separately



**EXHIBIT E**

**CUSTOMER LETTER REQUESTING SERVICE IN WEST CALN TOWNSHIP**

January 19, 2023

Pennsylvania American Water  
Attention: Jim Kelly  
100 Cheshire Court Suite 104  
Coatesville Pa 19320

Dear Mr. Kelly:

Please accept this letter as our formal request for American Water to allow us access to sewer service available on for our home located at 101 Woodland Drive, Coatesville Pennsylvania.

The home is currently being serviced with a septic that did not pass inspections.

If you have any questions, please contact me at 215-964-3184.

Sincerely,

A handwritten signature in black ink, appearing to read 'Ilia Katsis', with a long horizontal flourish extending to the right.

Homeowner, 101 Woodland Drive

**EXHIBIT F**

**CHAPTER 94 REPORT**



## CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT

**For Calendar Year: 2023**

- Permittee is owner and/or operator of a POTW or other sewage treatment facility
- Permittee is owner and/or operator of a collection system tributary to a POTW not owned/operated by permittee

GENERAL INFORMATION	
Permittee Name: <b>Pennsylvania American Water</b>	Permit No.: <b>PA0026859</b>
Mailing Address: <b>852 Wesley Drive</b>	Effective Date: <b>May 1, 2019</b>
City, State, Zip: <b>Mechanicsburg, PA 17055</b>	Expiration Date: <b>April 30, 2024</b>
Contact Person: <b>Gerald DeBalko</b>	Renewal Due Date: <b>November 2, 2023</b>
Title: <b>Project Manager</b>	Municipality: <b>Borough of South Coatesville</b>
Phone: <b>484-855-1006</b>	County: <b>Chester</b>
Email: <b>gerald.debalko@amwater.com</b>	Consultant Name: <b>Pennoni Associates Inc.</b>
CHAPTER 94 REPORT COMPONENTS	
<p>1. Attach to this report a line graph depicting the monthly average flows (expressed in MGD) for each month for the past 5 years and projecting the flows for the next 5 years. The graph must also include a line depicting the hydraulic design capacity per the WQM permit. <u>(25 Pa. Code § 94.12(a)(1))</u></p> <p><b>Check the appropriate boxes:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Line graph for flows attached (<b>Attachment A</b>)</li> <li><input checked="" type="checkbox"/> DEP Chapter 94 Spreadsheet used (<b>Attachment A</b>)</li> <li><input type="checkbox"/> Section 1 is not applicable (report is for a collection system).</li> </ul>	
<p>2. Attach to this report a line graph depicting the monthly average organic loads (express as lbs BOD5/day) for each month for the past 5 years and projecting the organic loads for the next 5 years. The graph must also include a line depicting the organic design capacity of the treatment plant per the WQM permit. <u>(25 Pa. Code § 94.12(a)(2))</u></p> <p><b>Check the appropriate boxes:</b></p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Line graph for organic loads attached (<b>Attachment A</b>)</li> <li><input checked="" type="checkbox"/> DEP Chapter 94 Spreadsheet used (<b>Attachment A</b>)</li> <li><input type="checkbox"/> Section 2 is not applicable (report is for a collection system).</li> </ul>	
<p>3. If the DEP Chapter 94 Spreadsheet was not used to determine projections, discuss the basis for the hydraulic and organic projections. In all cases, include a description of the time needed to expand the plant to meet the load projections, if necessary, and data used to support the projections should be included in an appendix to this report. <u>(25 Pa. Code § 94.12(a)(3))</u></p> <p><b>Projections based on the proposed Connection Management Plan (CMP), which is updated March and October of each year and details the demand for new construction based upon input from developers and contributing municipalities.</b></p>	

4. Attach a map showing all sewer extensions constructed within the past calendar year, sewer extensions approved or exempted in the past year in accordance with Act 537 and Chapter 71, but not yet constructed, and all known proposed projects which require public sewers but are in the preliminary planning stages. The map must be accompanied by a list summarizing each extension or project and the population to be served by the extension or project. If a sewer extension approval or proposed project includes schedules describing how the project will be completed over time, the listing should include that information and the effect this build-out-rate will have on populations served. (25 Pa. Code § 94.12(a)(4))

**Check the appropriate boxes:**

- Map showing sewer extensions constructed, approved/exempted but not yet constructed, and proposed projects attached (**Attachment** )
- List summarizing each extension or project attached (**Attachment H**)
- Schedules describing how each project will be completed over time and effects attached (**Attachment** )

**Comments:**

**No sewer main extensions were constructed in 2023.**

5. Discuss the permittee's program for sewer system monitoring, maintenance, repair and rehabilitation, including routine and special activities, personnel and equipment used, sampling frequency, quality assurance, data analyses, infiltration/inflow monitoring, and, where applicable, maintenance and control of combined sewer regulators during the past year. Attach a separate sheet if necessary. (25 Pa. Code § 94.12(a)(5))

**See report narrative.**

6. Discuss the condition of the sewer system including portions of the system where conveyance capacity is being exceeded or will be exceeded in the next 5 years and portions where rehabilitation or cleaning is needed or is underway to maintain the integrity of the system and prevent or eliminate bypassing, CSOs, SSOs, excessive infiltration and other system problems. Attach a separate sheet if necessary. (25 Pa. Code § 94.12(a)(6))

**Check the appropriate boxes:**

- System experienced capacity-related bypassing, SSOs or surcharging during the report year. On a separate sheet, list the date, location, and reason for each bypass, SSO or surcharge event.
- System did not experience capacity-related bypassing, SSOs or surcharging during the report year.

**Comments:**

**See report narrative.**

7. Attach a discussion on the condition of sewage pumping (pump) stations. Include a comparison of the maximum pumping rate with present maximum flows and the projected 2-year maximum flows for each station. (25 Pa. Code § 94.12(a)(7))

**Check the appropriate boxes:**

- The collection system does not contain pump stations  
 The collection system does contain pump stations (Number – )  
 Discussion of condition of each pump station attached (**Attachment F**)

8. If the sewage collection system receives industrial wastes (i.e., non-sanitary wastes), attach a report with the information listed below. (25 Pa. Code § 94.12(a)(8))

- a. A copy of any ordinance or regulation governing industrial waste discharges to the sewer system or a copy of amendments adopted since the initial submission of the ordinance or regulation under Chapter 94, if it has not previously been submitted.
- b. A discussion of the permittee's or municipality's program for surveillance and monitoring of industrial waste discharges into the sewer system during the past year.
- c. A discussion of specific problems in the sewer system or at the plant, known or suspected to be caused by industrial waste discharges and a summary of the steps being taken to alleviate or eliminate the problems. The discussion shall include a list of industries known to be discharging wastes which create problems in the plant or in the sewer system and action taken to eliminate the problem or prevent its recurrence. The report may describe pollution prevention techniques in the summary of steps taken to alleviate current problems caused by industrial waste dischargers and in actions taken to eliminate or prevent potential or recurring problems caused by industrial waste dischargers.

**Check the appropriate boxes:**

- Industrial waste report as described in 8 a., b. and c. attached (**Attachment E**)  
 Industrial pretreatment report as required in an NPDES permit attached (**Attachment** )

9. Existing or Projected Overload.

**Check the appropriate boxes:**

- This report demonstrates an existing hydraulic overload condition.  
 This report demonstrates a projected hydraulic overload condition.  
 This report demonstrates an existing organic overload condition.  
 This report demonstrates a projected organic overload condition.

If one or more boxes above have been checked, attach a Corrective Action Plan (CAP) to reduce or eliminate present or projected overloaded conditions under §§ 94.21 and/or 94.22 (relating to existing overload and projected overload). (25 Pa. Code § 94.12(a)(9))

- Corrective Action Plan attached (**Attachment B**)

10. Where required by the NPDES permit, attach a Sewage Sludge Management inventory that demonstrates a mass balance of solids coming in and leaving the facility over the previous calendar year.

- Sewage Sludge Management Inventory attached (**Attachment** )

11. For facilities with CSOs and where required by the NPDES permit, attach an Annual CSO Report (including satellite combined sewer systems).

Annual CSO Report attached (**Attachment** )

12. For POTWs, attach a calibration report documenting that flow measuring, indicating and recording equipment has been calibrated annually. (25 Pa. Code § 94.13(b))

Flow calibration report attached (**Attachment D**)

### RESPONSIBLE OFFICIAL CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

**James Kelly**

Name of Responsible Official

  
Signature

**610-384-2872**

Telephone No.

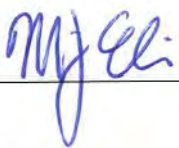
**3-28-24**  
Date

### PREPARER CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared by me or otherwise under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

**Michael J. Ellis, PE**

Name of Preparer

  
Signature

**302-351-5236**

Telephone No.

**3/28/2024**  
Date

Pennsylvania American  
Water Company  
852 Wesley Drive  
Mechanicsburg, PA 17055

# Coatesville WWTP Annual Wasteload Management Report

Chester County, PA  
Permit No. PA0026859

March 2024



Preparer:

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Michael J. Ellis, PE  
Pennoni Associates Inc.

# Issue and revision record

Revision	Date	Originator	Checker	Approver	Description
A	3/28/2024	E. Addison	M. Ellis	J. Kelly	Issued to PADEP

## Information class: Standard

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# 1 Introduction

This document has been prepared to supplement the Pennsylvania Department of Environmental Protection (PADEP) Chapter 94 Municipal Wasteload Management Annual Report Template.

The 2023 Municipal Waste Load Management Report (Report) has been prepared for the Pennsylvania American Water Company (PAWC) Coatesville Wastewater Treatment Plant (WWTP) and collection system (System) in accordance with Chapter 94, Title 25 of the Rules and Regulations of the Pennsylvania Department of Environmental Protection (PADEP). The WWTP and System serve the following municipalities in Chester County:

- City of Coatesville
- Borough of Parkesburg
- Borough of South Coatesville
- Caln Township
- East Fallowfield Township
- Highland Township
- Sadsbury Township
- Valley Township
- West Brandywine Township
- West Caln Township
- West Sadsbury Township

The WWTP operates under NPDES Permit Number PA0026859, which was renewed by PADEP effective May 1, 2019, and expires on April 30, 2024.

The Coatesville WWTP is owned and operated by PAWC.

## 1.1 Connection Management Plan (CMP)

In accordance with the August 15, 2012, PADEP review letter of the 2011 Chapter 94 Report, PAWC is required to submit an updated Corrective Action Plan (CAP) and CMP twice per year. In October 2012, PAWC submitted the initial CMP and CAP to PADEP. PAWC has continued to update the CAP and CMP in March and October of each year and submit to PADEP.

The CMP and CAP are required due to projected hydraulic overloads in the collection and conveyance system that were reported in the 2011 Chapter 94 Report. At this time, numerous improvements and replacements have been constructed in the system and the areas that were hydraulically restricted now have capacity. PAWC completed construction for the West End Trunk Line and Parkesburg Pumping Station in 2021.

Included in Appendix B is the Connection Management Plan Revised: March 2024, which contains the status of the CAPs for each area where there was a projected hydraulic overload. The CMP also provides the current projections for growth over the next five years based on the information received from the tributary municipalities and the continuing economic conditions.

## 1.2 Act 537 Plan Status

The regional Act 537 Plan that PAWC began developing in 2001 on behalf of the tributary municipalities was completed and approved by all the municipalities in 2009. PADEP approval for this Plan was granted by letters dated October 21, 2009, and November 19, 2009.

The final PADEP approval for the regional Act 537 Plan provided for the upgraded 7.0 MGD Coatesville WWTP, collection and conveyance system improvements, and utilization of expanded WWTP flows by those municipalities that had completed associated individual municipality Act 537 planning, namely: the City of Coatesville, the Borough of Parkesburg, and the Townships of Caln, Valley, and West Sadsbury. Additional planning is required for expanded WWTP capacity utilization by the remaining tributary municipalities, which are the Townships of East Fallowfield, Highland, West Brandywine, and West Caln.

PAWC will continue to coordinate with those municipalities that have not yet completed individual municipality Act 537 planning to facilitate consistency with the regional Act 537 Plan.

## 2 Hydraulic and Organic Loadings

Under PADEP NPDES Permit No. PA0026859, the Coatesville WWTP is permitted to discharge treated effluent to the West Branch of the Brandywine Creek. The permit is based on an annual average flowrate at 7.0 MGD for hydraulic capacity and organic loading.

### 2.1 Hydraulic Loadings

Table 2.1 summarizes the Coatesville Plant hydraulic loadings from 2019 – 2023 and monthly rainfall for 2023. Figure 2.1 presents a graph of the annual flows at the sewage treatment plant for 2019 – 2023. The annual average daily flow for 2023 was 3.506 MGD. The total annual precipitation in 2023 was 42.5 inches.

The maximum monthly average flow in 2023 was 4.155 MGD, which occurred in December 2023 when there was approximately 8.3 inches of rain/snow. The minimum monthly average flow was 3.092 MGD, occurring in November 2023 when there was 2.8 inches of rain. The maximum 3-month average for 2023 was 3.665 MGD.

In 2023, the number of new connections was approximately 303 EDUs.

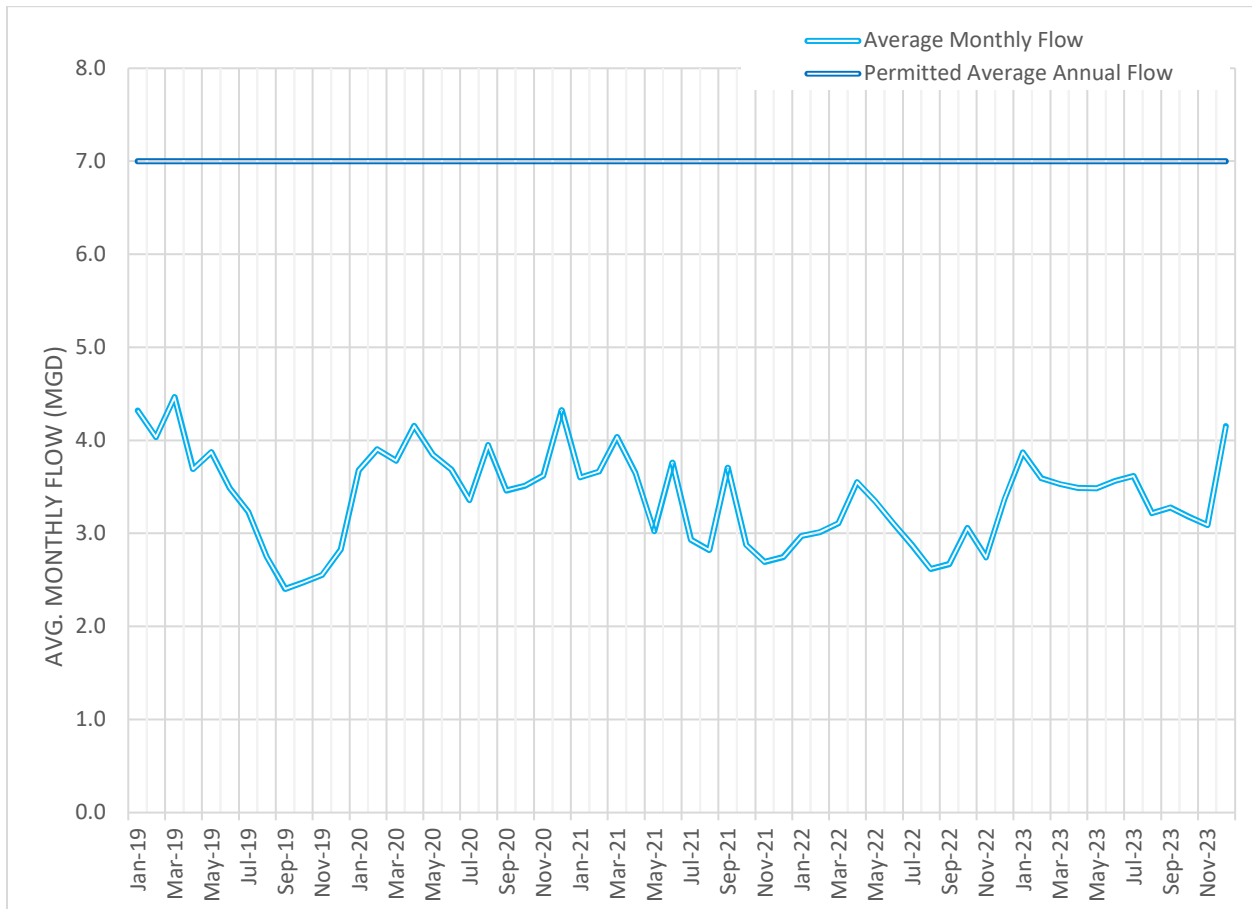
**Table 2.1: Hydraulic Loading for 2019 – 2023**

Month	Hydraulic Loading (MGD)					Rainfall (in)
	2019	2020	2021	2022	2023	2023
January	4.323	3.680	3.605	3.627	3.872	1.95
February	4.037	3.907	3.666	3.779	3.594	1.38
March	4.466	3.783	4.037	3.689	3.530	2.06
April	3.691	4.156	3.646	4.210	3.490	4.41
May	3.875	3.847	3.026	4.171	3.486	0.32
June	3.485	3.690	3.762	3.842	3.566	4.82
July	3.233	3.358	2.932	3.601	3.616	6.04
August	2.749	3.951	2.825	3.394	3.217	2.43
September	2.405	3.462	3.708	3.409	3.279	6.16
October	2.474	3.515	2.878	3.809	3.179	1.79
November	2.553	3.623	2.695	3.425	3.092	2.80
December	2.826	4.325	2.746	3.370	4.155	8.29
Annual Avg	3.343	3.775	3.294	3.694	3.506	-
Max 3-mo Avg <sup>(1)</sup>	4.275	3.949	3.783	4.075	3.665	-
Max Avg Ratio <sup>(2)</sup>	1.28	1.05	1.15	1.10	1.05	-

(1) = Average of the three highest consecutive month's flows.

(2) = Calculated by dividing the maximum 3-month average by the average annual flow.

**Figure 2.1: Hydraulic Loading for 2019 – 2023**



## 2.2 Organic Loadings

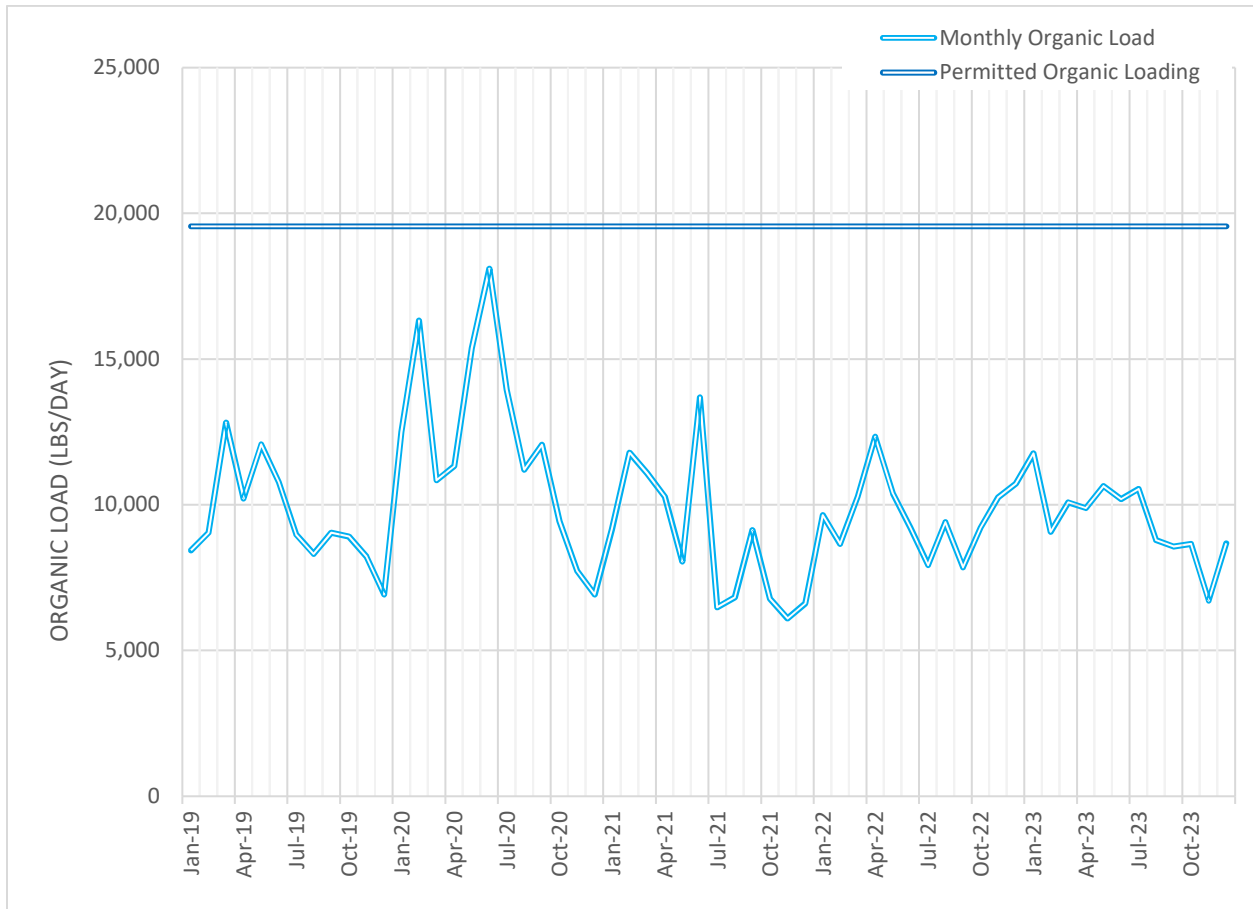
Table 2.2 presents the organic loading data for 2019 – 2023. The 2023 annual average organic loading to the WWTP was 9,467 lbs/day. The peak organic loading of 11,768 lbs/day was recorded in January 2023. The ratio of peak organic loading to annual average loading for 2023 was 1.24.

The average monthly influent organic loading is less than the organic design capacity of 19,557 lbs BOD<sub>5</sub>/day. Figure 2.2 presents a graph of the annual organic loading at the sewage treatment plant for 2019 – 2023.

**Table 2.2: Organic Loading for 2019 – 2023**

Monthly Organic Loading (lbs/day)					
Month	2019	2020	2021	2022	2023
January	8,433	12,499	9,165	9,650	11,768
February	9,037	16,326	11,793	8,653	9,076
March	12,822	10,839	11,083	10,284	10,086
April	10,218	11,330	10,278	12,333	9,882
May	12,076	15,380	8,050	10,388	10,646
June	10,772	18,106	13,687	9,203	10,197
July	8,984	13,953	6,481	7,931	10,541
August	8,319	11,210	6,819	9,409	8,790
September	9,044	12,057	9,127	7,860	8,571
October	8,907	9,439	6,780	9,215	8,653
November	8,223	7,736	6,100	10,257	6,715
December	6,920	9,687	6,618	10,723	8,676
Annual Avg	9,480	12,380	8,832	9,659	9,467
Max Month Avg	12,822	18,106	13,687	12,333	11,768
Max Avg Ratio	1.35	1.46	1.55	1.28	1.24

Figure 2.2: Organic Loading for 2019 – 2023



### 3 5-Year Hydraulic and Organic Loading Projections

The hydraulic loading and the organic loading projections for the next five years are shown in Appendix A. Neither hydraulic nor organic loading is expected to experience an overload in the next five years.

PAWC, in coordination with tributary municipalities, provides on-going and revised projections through PAWC's CMP which will be submitted to PADEP on an as-needed basis. The CMP has two summaries of projections on the Projected New Connections table in the report and the first reflects those developments with approved planning modules and the second includes the approved developments plus the developments pending planning module approval. The flow projections presented below are somewhat different than the projections presented in the CMP. Flow projections below were derived following the method described in the PADEP Chapter 94 Municipal Wasteload Management Overview and Summary document (3850-BK-DEP 4450 rev9/2014). The March 2024 CMP can be found in Appendix B.

#### 3.1 5-Year Hydraulic Loading Projections

Table 3.1 summarizes the hydraulic loading projections, which are calculated to increase from 3.615 MGD Adjusted Average Flow in 2023, to 4.137 MGD in 2028. These projections are based on the table Projected New Connections of the Connection Management Plan Revised: March 2024 (See Appendix B), and projects 2,321 new Equivalent Dwelling Units ("EDU") between 2024 and 2028. The Projected New Connections table in the CMP provides the best estimate of development projects for the next five years based on the information received from the tributary municipalities and the continuing economic conditions. The Projected New Connection table in the CMP also shows all developments with approved planning modules and developments that are actively moving forward toward approval.

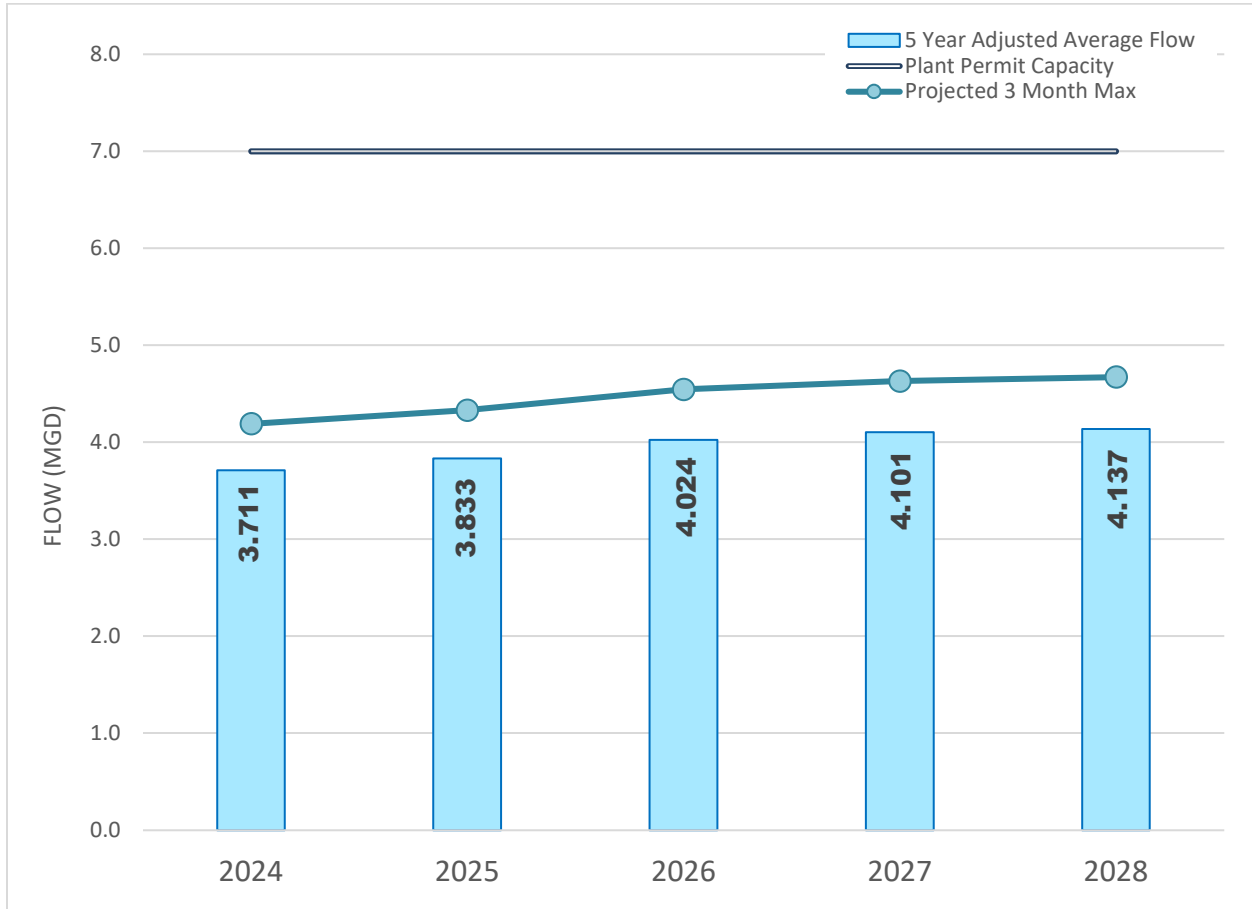
The projections in Table 3.1 for the annual average and the peak three-month hydraulic loadings to the WWTP for the next five years (2024 to 2028) are based on the Adjusted Annual Average flow from 2023 and the expected number of new connections to the system over the next five years.

Flow projections indicate that both average and maximum 3-month flows into the WWTP will not exceed the permit limit of 7.0 MGD.

**Table 3.1: 5-Year Flow Projections**

	Flow Projections (MGD)				
	2024	2025	2026	2027	2028
Previous Year Avg Flow	3.615	3.711	3.833	4.024	4.101
New EDUs	426	545	847	344	159
New EDU Flow	0.096	0.123	0.191	0.077	0.036
Proj. Annual Avg	3.711	3.833	4.024	4.101	4.137
Proj. Max 3-mo Avg	4.191	4.329	4.544	4.632	4.672
Peaking Factor	1.12	(average of 2019 – 2023)			

**Figure 3.1: 5-Year Projected Hydraulic Loading**



### 3.2 5-Year Organic Loading Projections

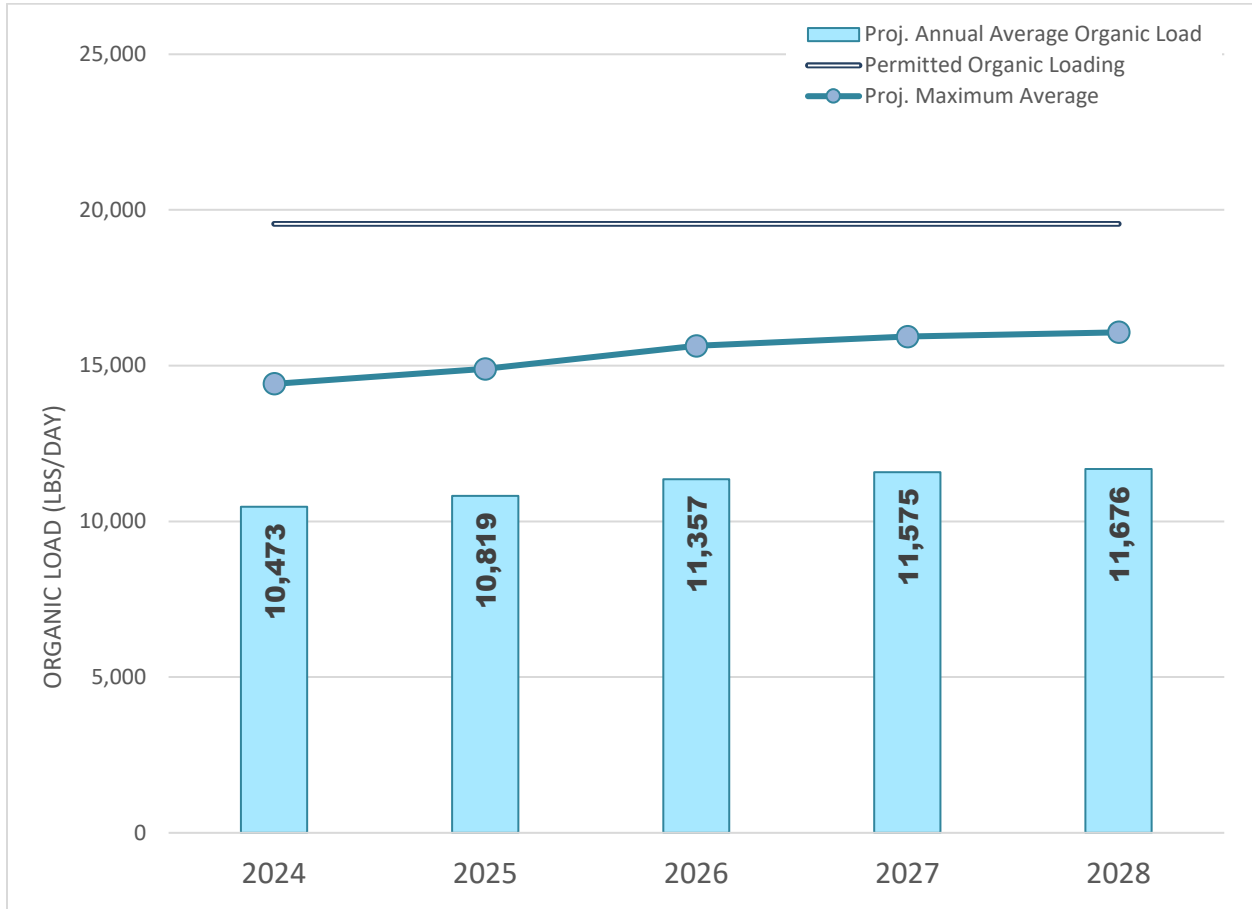
The projected annual average organic loading for the next five years was calculated by multiplying the adjusted annual average flow by the prior 5-year average influent BOD<sub>5</sub> concentration. Similarly, the maximum organic loading was calculated by multiplying the annual average organic loading by the prior 5-year peaking factor.

**Table 3.2: 5-Year Organic Loading Projections**

Organic Loading Projections (lbs/day)					
	2024	2025	2026	2027	2028
Previous Year Org. Load, lbs/day	9,467	10,473	10,819	11,357	11,575
Adjust Annual Average Flow, MGD	3.615	3.711	3.833	4.024	4.101
Previous 5 Year Influent BOD Concentration, mg/L	338	338	338	338	338
Proj. Annual Avg Load, lbs/day	10,473	10,819	11,357	11,575	11,676
Proj. Max Avg, lbs/day	14,421	14,897	15,638	15,939	16,078
5-Year Organic Load Concentration	338 mg/L		(average of 2019 – 2023)		
5-Year Average Peaking Factor	1.38		(average of 2019 – 2023)		

The Coatesville WWTP has a permitted organic loading of 19,557 lbs BOD/day based on an influent flow rate of 7.0 MGD. As shown in Figure 3.2: 5-Year Project Organic Loading, no organic overloads are projected for the next 5 years.

**Figure 3.2: 5-Year Projected Organic Loading**



## 4 Sewer Extensions

Attached in Appendix G is a map showing the PAWC certificated franchise area. The Projected New Connections table of the CMP found in Appendix B, provides the list of developments with the projected EDUs for each and a connection schedule provided by each municipality over the next five years. Included in Appendix H are three tables showing developments approved or exempt and under construction, developments approved or exempt and not yet under construction, and developments in the preliminary planning stages. These tables are based on the CMP and information received from the tributary municipalities and include the equivalent population for each.

In 2023, the entire Coatesville sewerage system had 303 new EDUs connect to the system. 233 EDUs were connected in the PAWC certificated franchise area and an additional 70 EDUs connected in the area served by the Bulk customers.

In 2023, there were no sewer main extensions.

Sadsbury Township showed the highest growth with 158 new EDUs connected in 2023.

## 5 Program for Sanitary Sewer Monitoring, Maintenance and Repair

### 5.1 Inflow/Infiltration

PAWC has divided the older portions of the sewer system into ten basins. In each basin, PAWC owns and maintains portable flow meters for system and infiltration/inflow monitoring. The meters are checked and downloaded every two weeks to ensure proper operation.

The areas outside of the basins have the flows monitored by meters at 25 of the 27 pump stations (two of the smaller stations pump to larger ones within the same subdivisions/development) in the Coatesville area. The meters at the pump stations have Telloggers which allow for accurate and instantaneous flow data. The meters are calibrated on a semi-annual basis. The pump stations are physically checked and maintained by the four employees in the PAWC Collection Department.

The two pump stations with no flow meters are Branford Village PS #2 and Robin Cove PS #1. These pump stations each serve a small area and discharge into a larger pump station in the same development which have flow meters. Therefore, no meters are planned to be installed at these two pump stations. In 2011, a flow meter was installed on Mt. Carmel Road to monitor the flow from both Strasburg Hunt PS #1 and Strasburg Hunt PS #2 to collect data from both stations to achieve the PADEP requirement.

PAWC also owns and maintains eight meters with Telloggers that monitor and record flows from four bulk customers and the Marriott Hotel. Data at all metering points are recorded daily and analyzed to determine areas to target for future infiltration/inflow work.

PAWC employees annually flush and clean approximately 17 miles of sewer main in the Coatesville area. They clean all pump station wet wells on a quarterly basis and perform semi-annual maintenance on 17 air release chambers with the Jet/Vac truck owned and maintained by PAWC.

PAWC annually awards a contract for I&I work. The I&I work includes sewer flushing, televising, pressure test and grouting, manhole inspection and rehabilitation services. The data from various metering points are used to determine which area PAWC will address each year. The results of the I&I inspections form the basis for PAWC maintenance, repairs, and capital work.

In 2023, PAWC replaced approximately 2,939 LF of 8" sewer main, 1,678 LF of 12" sewer main, and associated laterals and manholes. Additionally, PAWC lined about 1,556 LF of 8" sewer main.

Data at all metering points are recorded daily and analyzed to determine areas to target for future infiltration/inflow work.

## 6 Sanitary Sewer System Condition

In accordance with Pa Code Title 25, Chapter 71, PAWC continues to provide ongoing analyses of its collection and conveyance system in order to identify existing problems and areas in need of improvements as a result of planned connections and commensurate flows. Current and past Chapter 94 reporting, the PAWC-sponsored Act 537 Plan, in addition to the ongoing connection management plans (CMP), contain detailed information on completed and in-process upgrades to critical sections of the system.

There were four sanitary sewer overflows in the system in 2023. The first occurred on April 14 at manhole MVT-563 on Washington Avenue, south of Lincoln Highway. The SSO was discovered by the Valley Township Roadmaster due to water flowing out of the manhole. The overflow was caused by a grease buildup downstream at manhole MVT-617. It is estimated that 8,000 gallons flowed out of the manhole to a grass area and small brook on the side of Washington Avenue. The main was flushed and the line was unclogged to stop the SSO. The water that had surfaced on the street was rinsed down. No solids were observed. The line will be added to the maintenance list to be flushed several times a year. The second sanitary sewer overflow occurred at manhole MVT-563 on Washington Avenue, south of West Lincoln Highway, on April 17. The overflow was discovered by the Valley Township Roadmaster due to water flowing from the manhole. The overflow occurred because the liner is coming apart between manhole MVT-617 and MVT-616. The liner pieces sag into the line, catching paper products and grease. The estimated total volume of overflow from the manhole was 1,000 gallons to a grass area and small brook on the side of Washington Avenue. The main was flushed to remove the debris to stop the SSO, and the contaminated area of the street was rinsed down. No solids were observed. The third SSO occurred on November 12 at manhole MVT-740 on Valley Road, about 200 feet east of the intersection with Cynthia Road. The SSO was discovered by a resident due to water flowing out of the manhole. No solids were observed. The overflow was caused by a grease buildup. It is estimated that 500 gallons flowed out of the manhole to a grass area into a storm sewer that empties into Sucker Run or a tributary of Sucker Run. The main was jetted to clear the blockage and to stop the SSO. The fourth SSO occurred on December 19 from 12:30 pm to 6:00 pm at 265 Misty Patch Road. The SSO was discovered by the East Fallowfield road crew due to water surfacing in front of the driveway. The overflow was due to a cracked bell on the 8-inch PVC main. It is estimated that 20 GPM left the pipe. Most of the SSO was absorbed by the ground, as the leak was under a paved road. Some of the SSO reached a small nearby stream. However, no solids came out of the pipe and the stream is not large enough for fish. A 3-foot section of the main was replaced to stop the SSO. The water that had surfaced on the driveway was rinsed down.

In order to identify collection & conveyance system improvements needed to serve the future needs of the tributary municipalities, PAWC analyzed the major system components with regard to existing capacities and the future flows presented in the PAWC-sponsored Act 537 Plan. The extent of the system analysis included the East End Trunk Line (EETL) and tributary major collection segments, and the main interceptor, which conveys all flows to the WWTP. Uncertainty about timing and specific locations of future developments make accurate identification of improvements needed in further reaches of the collection system difficult at this time. It is expected that such localized collection concerns will be addressed through regular Chapter 94 reporting and individual planning module processes.

In the required Connection Management Plan ("CMP") Revised: March 2024 (See Appendix B), PAWC presented one specific area of the conveyance system that was identified as the most restrictive segment and is projected to be hydraulically overloaded within 5 years. PAWC will monitor growth upstream of the identified segment and implement upgrades prior to a hydraulic overload condition. Each segment on the East End Truck line has received PADEP permitting for the proposed upgrade.

A Corrective Action Plan (CAP) for each is included with each update of the CMP.

Table B1 highlights the EETL segments of MH EE 015 to MH EE 018 as a projected hydraulic overload. Previous manhole numbering systems relating to the same segments MH 26 to MH 29, and MH 430, MH 433, MH 434, and MH 1044. The remaining hydraulic capacity equates to 1,256 EDU's allowed prior to the

upgrade of these sections. 895 EDUs are projected in 5 years from the areas contributing to these segments: West Brandywine Township, Caln Township, the eastern section of East Fallowfield, and portions of Coatesville Basin C6 and C7. Starting with 2010 as the base flow, Table B1 shows 527 EDUs connected within the specified area. These connections will be monitored by PAWC, and the improvements will be completed prior to the connection of the 1,256<sup>th</sup> EDU.

Included in Appendix B is the Connection Management Plan Revised: March 2024, which contains the required Corrective Action Plans (CAP) for each area where there is a projected hydraulic overload. The CMP also provides the current best estimates for growth over the next five years based on the information received from the tributary municipalities. While the CMP projects slower growth over the next five years than the Act 537, PAWC will monitor the growth, and implement the required improvements prior to a hydraulic overload. The CAP for the EETL details the steps PAWC will perform.

## 7 Pumping Stations

PAWC owns 27 sewer pump stations as listed in Appendix F and described below. The Hamilton and CVS Pump Stations came online in 2023. All 27 pump stations are maintained by PAWC staff on a regular basis to insure proper and efficient operation. All pump stations are functioning properly. Internal pump stations located within the bulk service municipalities are owned and maintained by the respective municipality.

Tel-log metering data as discussed in this report is recorded on a daily basis for the entire 2023 calendar year and is presented on the PAWC Municipal Flows table in Appendix C. Maximum Day(s) are selected and the Tel-log data is viewed to determine the Peak Hourly Flow from each metering point. Data is analyzed to determine the ratio of peak flow to annual average flow.

Documentation provided in Table 4 in Appendix B shows that the pump stations can convey the existing maximum flows with any one pump out of service. Two-year projected flow data for each pumping station is provided in the table below and is based upon the CMP attached in Appendix B. The analysis of the 27 PAWC pump stations in Table 4 shows that Rock Run Pump Station is projected to be near capacity in two years and Valley View Business Park Pump Station is projected to exceed the Permitted Capacity in two years, but will still be below the Hydraulic Design Capacity. The Annual Average Permitted Capacity will be revisited in Planning Modules for proposed upstream development. PAWC will continue to monitor all stations.

## 8 Industrial Pretreatment Program

The Industrial Pretreatment Program (IPP) was completed and instituted in 2012. PAWC is currently performing quarterly sampling at identified potential commercial and industrial dischargers. PAWC is also implementing a surcharge on limits for BOD and TSS.

This activity was initiated by PAWC when the Coatesville Area Wastewater Treatment Plant was upgraded and expanded to a design treatment capacity greater than 5.0 MGD. The NPDES permit received in 2019 requires updates to the IPP, and PAWC has and will be making submissions as required by the NPDES permit.

Appendix E contains a copy of the PAWC Sewer Use Rules and Regulations and Industrial Use Survey.

## 9 Corrective Action Plan

There are no present overload conditions identified in the PAWC sewage system. Projected hydraulic overloads of the collection and conveyance system are identified and discussed in the CMP and CAP in Appendix B.

The projected hydraulic overload of the treatment facility was eliminated in 2010 with the conclusion of the Coatesville Wastewater Treatment Plant construction and the termination of the Consent Order and Agreement.

# 10 Meter Calibration Reports

## 10.1 WWTP Influent Flowmeter

With the most recent expansion of the wastewater treatment facility, a new influent flowmeter was installed and is fully operational as of June 2009. The meter is a Parshall Flume with an ultrasonic level sensor and measures all flows on a continuous recorder as part of the SCADA system at the treatment facility. The influent meter was last calibrated on April 11, 2023, and the calibration log is shown in Appendix D.

## 10.2 WWTP Effluent Flowmeter

In 2010 a new effluent meter was installed and is fully operational. The meter is two ultrasonic transducers measuring the level over two different size rectangular weirs. The effluent meter sensors are calibrated annually and were last calibrated on April 11, 2023. The calibration logs are shown in Appendix D.

# 11 Contributing Municipalities

There was a total of 303 new EDUs connected to the collection system during 2023 throughout the ten tributary municipalities. PAWC Municipal Flows 2023 table in Appendix C lists the monthly, annual, and average daily flows from each of the tributary municipalities. The City of Coatesville, West Sadsbury Township, East Fallowfield Township, Borough of Parkesburg, West Caln Township, and Highland Township have 61 new connections in total for 2023; however, the individual breakdown per municipality was not able to be obtained. A summary of the average daily flows for each municipality follows.

## 11.1 City of Coatesville

The City of Coatesville's average influent daily flow for 2023 was 1,588,222 GPD; for comparison, it was 1,639,904 GPD in 2022.

The City of Coatesville is projecting an increase of 142,425 GPD over the next five years pending PADEP approval. Most of the projected EDUs are residential with some allocated for commercial purposes. A large percentage of the projected residential EDUs are part of the City of Coatesville Revitalization Project. All sewer facilities in the City are owned, operated and maintained by PAWC.

## 11.2 Caln Township

Caln Township's (Bulk Service) 2023 average daily flow, which does not include the Veterans Hospital, or the Brandywine Hospital located within the Township, was 55,676 GPD; for comparison it was 115,704 GPD in 2022. There was 26 new EDUs added in Caln during 2023.

The 2023 Caln Township Chapter 94 Report projects that over the next five years Caln Township will increase its flows by 321,923 GPD. This includes the planned diversion from the Downingtown Area Regional Authority ("DARA") to the PAWC collection and treatment system. This flow diversion was begun on November 7, 2021, when the Township's new Municipal Drive Pump Station was placed into service.

All sewer facilities in the Township are owned, operated, and maintained by the Caln Township Municipal Authority. Caln Township's full 2023 Chapter 94 Report is submitted directly to PADEP.

In March 2005, PAWC and Caln Township entered into an agreement with PAWC to increase the capacity from 180,000 GPD to 570,000 GPD in Phase 1 of the agreement and would require Caln to pay for certain identified improvements to the East End Trunk Line ("EETL"). Phase II of the agreement, approved on November 19, 2009, increased the capacity to 800,000 GPD after the plant expansion and also pending additional identified improvements to the EETL.

## 11.3 Sadsbury Township

Sadsbury Township's average daily flow for 2023 was 256,484 GPD; for comparison it was 220,270 GPD in 2022. By agreement, PAWC had agreed to furnish capacity in the amount of 410,750 GPD, but since the acquisition of the Sadsbury wastewater system by PAWC, future allocation will be distributed on a first come first serve basis as with all other direct customers. There were 158 new EDUs added in Sadsbury in 2023 to the PAWC system.

Sadsbury Township is projecting an additional 77,850 GPD over the next five years. Sadsbury Township has been experiencing problems with existing on-lot systems and is continuing to pursue public sewers throughout the Township. The Township is in the process of revising its Act 537 Sewage Facilities Plan.

## 11.4 Valley Township

Valley Township's average daily flow for 2023 was 803,847 GPD; for comparison, it was 914,989 GPD in 2023. There were 14 new EDUs added in Valley in 2023. By agreement, PAWC has agreed to furnish

capacity in the amount of 1,140,000 GPD to Valley, but since the acquisition of the Valley wastewater system by PAWC in 2021, future allocation will be distributed on a first come first serve basis as with all other direct customers.

Valley Township is projecting an increase of approximately 85,725 GPD over the next five years, which will be residential commercial, and industrial in nature.

### 11.5 West Brandywine Township

West Brandywine Township's (Bulk Service) average daily flow for 2023 was 198,038 GPD; for comparison it was 172,985 GPD in 2022. There were 44 new EDUs added in West Brandywine during 2023.

The West Brandywine Township 2023 Chapter 94 Report is projecting an additional 81,900 GPD over the next five years pending PADEP approval.

West Brandywine submitted a Limited Scope Study Act 537 Revision to PADEP to allow the start-up of two new residential subdivisions, which was approved by PADEP on January 17, 2006. Through additional discussions and by letter dated December 13, 2007, PADEP advised West Brandywine Township, "According to the Department's September 5, 2007, approval of the PAWC 2<sup>nd</sup> Quarter 2007 Corrective Action Plan and Connection Management Plan, a total of 140 connections (31,400 GPD @ 225 GPD/EDU) have been allocated to both the Culbertson and Swinehart residential projects prior to the expansion of PAWC's facilities. On December 11, 2008, PAWC and West Brandywine Township executed the Second Addendum to the June 16, 1994, original agreement. The Addendum provides for West Brandywine to connect up to an additional 836 EDUs based upon 225 GPD/EDU, this amounts to an average daily flow increase of 188,100 GPD.

### 11.6 Parkesburg Borough

Parkesburg Borough's average daily flow in 2023 was 211,191 GPD; for comparison it was 185,975 GPD in 2022.

Parkesburg Borough is projecting an additional flow of 19,125 GPD over the next five years. All sewer facilities in the Borough are owned, operated, and maintained by PAWC.

### 11.7 East Fallowfield Township

East Fallowfield Township's average daily flow in 2023 was 162,199 GPD; for comparison, it was 153,298 GPD in 2022. There were 32 new EDUs added in East Fallowfield in 2023.

East Fallowfield Township is projecting an additional flow of 33,075 GPD from residential and commercial developments in the next five years.

### 11.8 West Caln Township

West Caln Township's average daily flow in 2023 was 25,384 GPD; for comparison, it was 25,331 GPD in 2022.

West Caln Township is projecting an additional 8,100 GPD over the next five years. All sewer facilities in the Township are owned, operated, and maintained by PAWC.

### 11.9 West Sadsbury Township

West Sadsbury Township's average daily flow for 2023 was 87,703 GPD; for comparison, it was 111,676 GPD in 2022.

West Sadsbury Township is projecting an additional flow of 32,625 GPD over the next five years. All facilities in the Township are owned, operated, and maintained by PAWC.

### 11.10 Highland Township

Highland Township has three, single family sewer connections to the PAWC system located on Borough Line Road across from the Parkesburg Pump Station. These three connections were allowed by PADEP due to inadequate on-lot sewage facilities. Highland is presently working on its Act 537 Plan.

Highland Township projects an additional flow of 900 GPD over the next five years.

### 11.11 Veterans Administration Hospital

The Veterans Administration Hospital's ("VA") average daily flow in 2023 was 46,164 GPD; for comparison, it was 77,211 GPD in 2022. The VA is now constructing a new building which will increase the flow by 4,150 GPD; however, this is well within the tolerance of the annual variance based upon weather, so we do not anticipate any immediate significant change in wastewater flows. The possible closure and/or future re-use of the VA facility could alter the daily flows, but such impact is not known at this time.

The VA sewer line was constructed by West Brandywine in January 1998, and the flow meter at Eleventh Street and Diamond Street has given PAWC additional information to more accurately determine the VA Hospital flows. All sewer facilities in the Hospital property are owned, operated, and maintained by the Hospital.

### 11.12 Other Contributors

Other contributors to the PAWC treatment plant include 13 septic waste haulers from various areas in our region. These flows contributed an annual average of 44,616 GPD in 2023; for comparison, the average was 49,049 GPD in 2022. This amount is anticipated to remain consistent over the next five years.

The PAWC treatment plant also serves three residential homes in the Borough of South Coatesville. These three homes were able to connect to existing PAWC collection system piping fronting the homes. The Borough of South Coatesville supported the additional PAWC franchise area to serve these three homes and PADEP's planning module exemption approval.

## A. PADEP Chapter 94 Spreadsheet

Reporting Year:

Facility Name:

Permit No.:

Persons/EDU:

Existing Hydraulic Design Capacity:  MGD  
 Upgrade Planned in Next 5 Years?  Year:   
 Future Hydraulic Design Capacity:  MGD

Existing Organic Design Capacity:  lbs BOD5/day  
 Upgrade Planned in Next 5 Years?  Year:   
 Future Organic Design Capacity:  lbs BOD5/day

**Monthly Average Flows for Past Five Years (MGD)**

Month	2019	2020	2021	2022	2023
January	4.323	3.68	3.605	3.62728	3.872
February	4.037	3.907	3.666	3.77935	3.594
March	4.466	3.783	4.037	3.68869	3.53
April	3.691	4.156	3.646	4.2104	3.49
May	3.875	3.847	3.026	4.17135	3.486
June	3.485	3.69	3.762	3.84201	3.566
July	3.233	3.358	2.932	3.60054	3.616
August	2.749	3.951	2.823	3.39381	3.217
September	2.405	3.462	3.708	3.40869	3.279
October	2.474	3.515	2.878	3.80907	3.179
November	2.553	3.623	2.695	3.42515	3.092
December	2.826	4.325	2.746	3.36971	4.155

**Monthly Average BOD5 Loads for Past Five Years (lbs/day)**

Month	2019	2020	2021	2022	2023
January	8,433	12,499	9,165	9,650	11,768
February	9,037	16,326	11,793	8,653	9,076
March	12,822	10,839	11,083	10,284	10,086
April	10,218	11,330	10,278	12,333	9,882
May	12,076	15,380	8,050	10,388	10,646
June	10,772	18,106	13,687	9,203	10,197
July	8,984	13,953	6,481	7,931	10,541
August	8,319	11,210	6,819	9,409	8,790
September	9,044	12,057	9,127	7,860	8,571
October	8,907	9,439	6,780	9,215	8,653
November	8,223	7,736	6,100	10,257	6,715
December	6,920	9,687	6,618	10,723	8,676

Annual Avg 3.343 3.775 3.294 3.693836 3.506  
 Max 3-Mo Avg 4.275 3.949 3.865 4.074584 3.665  
 Max : Avg Ratio 1.28 1.05 1.17 1.10 1.05  
 Existing EDUs   
 Flow/EDU (GPD)   
 Flow/Capita (GPD)   
 Exist. Overload?

Annual Avg 9.480 12.380 8.832 9.659 9.467  
 Max Mo Avg 12,822 18,106 13,687 12,333 11,768  
 Max : Avg Ratio 1.35 1.46 1.55 1.28 1.24  
 Existing EDUs   
 Load/EDU   
 Load/Capita   
 Exist. Overload?

**Projected Flows for Next Five Years (MGD)**

	2024	2025	2026	2027	2028
New EDUs	426.0	545.0	847.0	344.0	159.0
New EDU Flow	0.1491	0.19075	0.29645	0.1204	0.05565
Proj. Annual Avg	3.67147	3.86222	4.15867	4.27907	4.33472
Proj. Max 3-Mo Avg	4.1463	4.36172	4.69651	4.83249	4.89533
Proj. Overload?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>

**Projected BOD5 Loads for Next Five Years (lbs/day)**

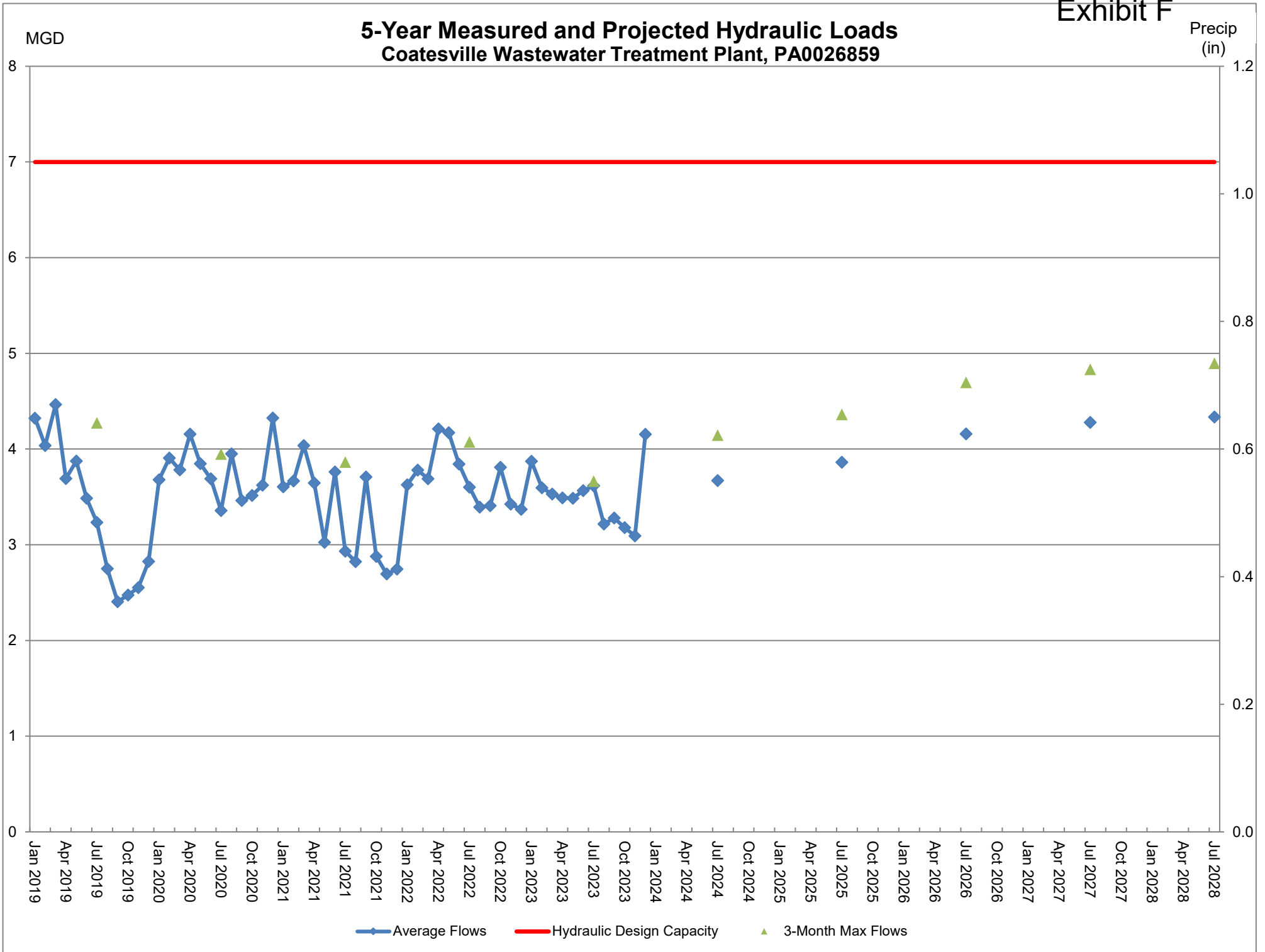
	2024	2025	2026	2027	2028
New EDUs	426	545	847	344	159
New EDU Load	248.784	318.280	494.648	200.896	92.856
Proj. Annual Avg	10,212	10,530	11,025	11,226	11,319
Proj. Max Avg	14,062	14,500	15,181	15,458	15,586
Proj. Overload?	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>	<input type="text" value="NO"/>

Show Precipitation Data on Hydraulic Graph?

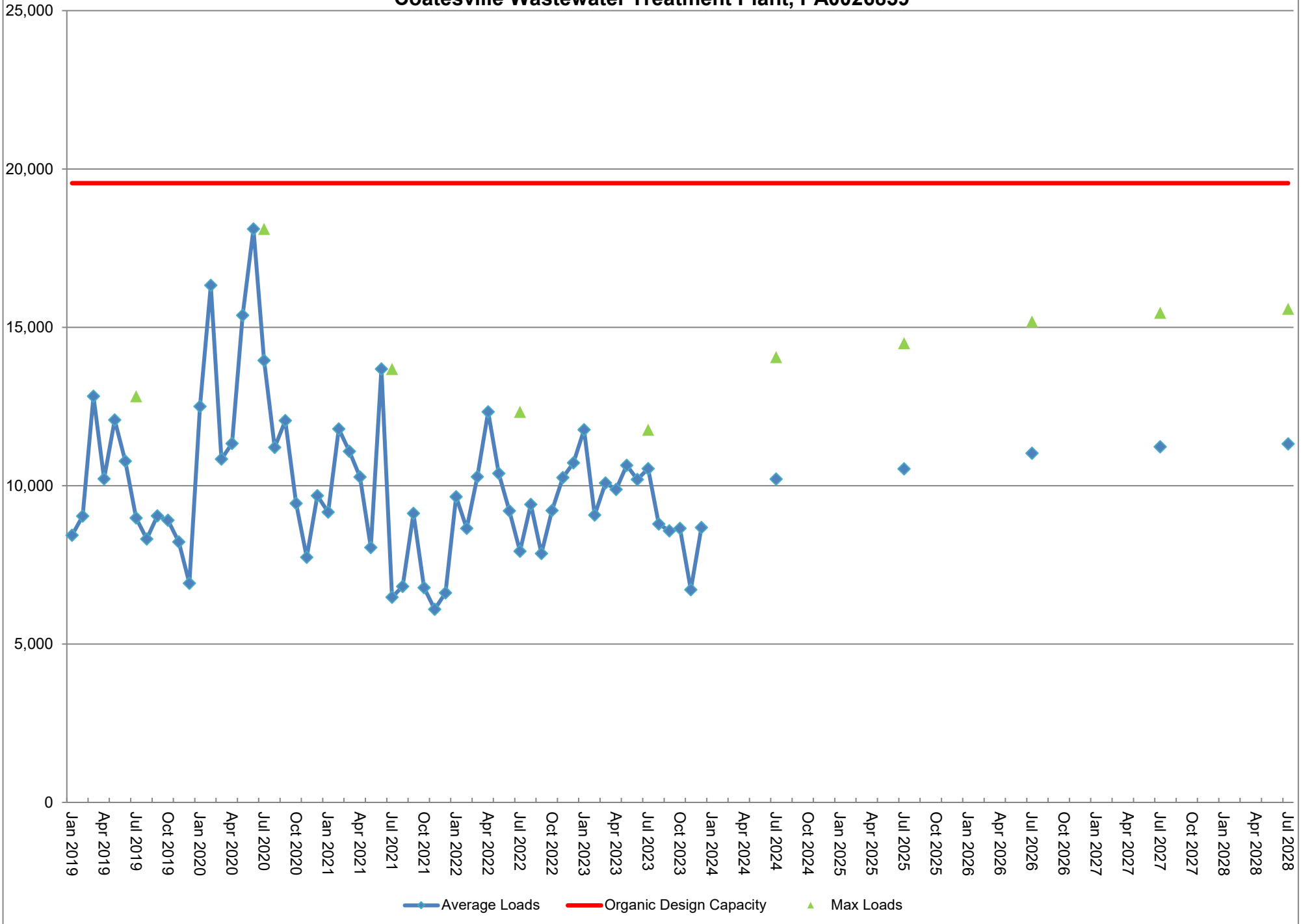
**Total Monthly Precipitation for Past Five Years (Inches)**

Month	2019	2020	2021	2022	2023
January	3.56	3.62	2.0	3.35	1.95
February	2.93	3.4	3.3	1.79	1.38
March	2.85	3.72	4.0	3.36	2.06
April	4.49	4.55	2.4	5.49	4.41
May	6.25	1.97	4.0	4.32	0.32
June	6.17	4.68	9.7	4.55	4.82
July	6.61	3.6	4.5	4.02	6.04
August	3.15	11.21	7.3	1.95	2.43
September	0.27	2.57	12.1	4.21	6.16
October	6.42	3.71	4.5	5.17	1.79
November	1.2	5.28	1.3	3.52	2.8
December	4.2	3.55	2.2	4.71	8.29

### 5-Year Measured and Projected Hydraulic Loads Coatesville Wastewater Treatment Plant, PA0026859



### 5-Year Measured and Projected Organic Loads Coatesville Wastewater Treatment Plant, PA0026859



## **B. March 2023 CMP**



**PENNSYLVANIA  
AMERICAN WATER**

**COATESVILLE DISTRICT  
CHESTER COUNTY**

**CONNECTION MANAGEMENT PLAN  
WASTEWATER TREATMENT PLANT  
AND  
COLLECTION SYSTEM**

**REPORTING Data REVISED: March 2024  
REVISED BY: PENNONI ASSOCIATES INC.**

**PREPARED BY:  
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COATESVILLE DISTRICT  
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**CONNECTION MANAGEMENT PLAN  
CONVEYANCE  
&  
COLLECTION SYSTEM  
REPORTING Data REVISED: March 2024**

**SUMMARY OF CORRECTIVE ACTION PLANS**

**East End Trunk Line Corrective Action Plan (CAP)**

Previous Connection Management Plans (CMP) identified various East End Trunk Line (EETL) segments as the most critical section. The EETL segments previously awarded for replacement (sections 19 through 26 and 29 through 31) were completed in 2007. In 2014, PAWC completed the replacement of additional segments of the EETL (sections 36 through 46) that were previously identified as a projected overload. With growth projections based on the 2013 Chapter 94 report data received from each municipality and updated in this October 2014 revised CMP, there are up to three segments of the EETL that are under a projected hydraulic overload. 2010 metered flow data throughout the Coatesville collection system was utilized in comparison of the hydraulic capacity of each segment to determine the remaining hydraulic capacity.

Table B1 of the CMP highlights the EETL segments of MH EE 015 to MH EE 018 as a projected hydraulic overload. Previous manhole numbering systems relating to the same segments MH 26 to MH 29, and MH 430, MH 433, MH 434, and MH 1044. The remaining hydraulic capacity equates to 1256 EDU's allowed prior to the upgrade of these sections. 1204 EDU's are projected in 5 years from the areas contributing to these segments, West Brandywine Township, Caln Township, the eastern section of East Fallowfield, and portions of Coatesville Basin C6 and C7. Starting with 2010 as the base flow, Table B1 shows 135 EDU's connected through March 2021. These connections will be monitored by PAWC and the improvements will be completed prior to the connection of the 1256<sup>th</sup> EDU.

Below is a schedule of corrective actions PAWC has and will take in the future to improve this projected hydraulic overload.

- PAWC has completed the design and DEP issued the Part II Permit on April 27, 2005 for the entire EETL.
- PAWC completed construction of MH #16 to #18 of the EETL and placed into service on 5/10/06.
- PAWC completed construction of MH sections 19 through 26 and 29 through 31 of the EETL and placed into service on 1/25/07.
- PAWC completed construction of MH sections 36 through 46 of the EETL and placed into service on 6/30/14.
- PAWC will continue to monitor the growth rate upstream of these developments, continue flow monitoring, and Sewer Gems modeling of the EETL.
- PAWC will reissue bidding documents when the projected overload is within two years.
- PAWC will award a contract for the necessary improvements with 120 days after the receipt of bids.
- PAWC will issue the Notice to Proceed within 90 days after the Notice of Award.
- PAWC will substantially complete construction of the necessary improvements within 180 days after the Notice to Proceed.

## West End Trunk Line Corrective Action Plan (CAP)

Previous Connection Management Plans (CMP) identified various West End Trunk Line (WETL) segments as the most critical section. All WETL segments previously awarded for replacement (WWTP through Mittal property to Strode Avenue) are now complete. With growth projections based on the 2014 Chapter 94 report data received from each municipality and updated in this October 2015 revised CMP, there are up to seventeen segments of the WETL that are under a projected hydraulic overload, with the most critical area being segments between WE 013 to WE 020. 2010 metered flow data throughout the Coatesville collection system was utilized in comparison of the hydraulic capacity of each segment to determine the remaining hydraulic capacity.

Table B2 of the CMP highlights the WETL segments of WE 013 to WE 020 as a projected hydraulic overload. The remaining hydraulic capacity equates to 1361 EDU's allowed prior to the upgrade of these sections. 1188 EDU's are projected in 5 years from the areas contributing to these segments, West Sadsbury Township, West Caln Township, Parkesburg Borough, Sadsbury Township, Highland Township, portions of Valley Township, and portions of Coatesville Basin C1 and C2. Starting with 2010 as the base flow, Table B2 shows 958 EDU's connected through March 2018. These connections will be monitored by PAWC and the improvements will be completed prior to the connection of the 1361<sup>st</sup> EDU.

Below is a schedule of corrective actions PAWC has and will take in the future to improve this projected hydraulic overload.

- In 2020 the last segment of the WETL replacement is being constructed.
- In 2021 PAWC intends to submit the Certificate of Completion to close the Part II permit.
- PAWC has completed the design for improvements of the WETL from Strode Avenue to the discharge point of the Parkesburg pump station on Valley Road by January 2011.
- PAWC has submitted a WQM Part II permit for the improvements in April 2011.
- PAWC receipt of WQM Part II permit from DEP in September 2011.
- PAWC has completed the replacement of sections WE 013 through WE 018 in 2016 and the line has been placed in service.
- Now that WE 013 to WE 018 has been replaced, there are additional critical segments upstream of WE 018 that need to be replaced as per the existing WQM Part II permit.
- PAWC will continue to monitor the growth rate upstream of these developments, continue flow monitoring, and Sewer Gems modeling of the WETL.
- PAWC will reissue bidding documents when the projected overload is within two years.
- PAWC will award a contract for the necessary improvements with 120 days after the receipt of bids.
- PAWC will issue the Notice to Proceed within 90 days after the Notice of Award.
- PAWC will substantially complete construction of the necessary improvements within 180 days after the Notice to Proceed.

## Parkeburg Pump Station Corrective Action Plan (CAP)

The Parkeburg Pump Station and its related force main was identified in the PAWC sponsored Act 537 plan as a projected overload given the Act 537 Plan growth within five years. The 2014 Chapter 94 report identifies that the station is not projected to be overloaded within the two year projection provided in the CMP revised October 2015. However, the station is projected to be hydraulically overloaded with five years given the growth projections based on the 2014 Chapter 94 report data received from each municipality and updated in this October 2015 revised CMP. 2010 metered flow data throughout the Coatesville collection system was utilized in comparison of the hydraulic capacity of each segment to determine the remaining hydraulic capacity.

Table B3 of the CMP highlights the Parkeburg Pump Station as in a projected hydraulic overload. The remaining hydraulic capacity equates to 356 EDU's allowed prior to the upgrade of these sections. 314 EDU's are projected in 5 years from the areas contributing to these segments, West Sadsbury Township, West Caln Township, Parkeburg Borough, and Highland Township. Starting with 2010 as the base flow, Table B3 shows 281 EDU's connected through March 2021. These connections will be monitored by PAWC and the improvements will be completed prior to the connection of the 356<sup>th</sup> EDU.

Below is a schedule of corrective actions PAWC has and will take in the future to improve this projected hydraulic overload.

- PAWC has completed construction of the Parkeburg Phase III improvements which increase the design capacity to 5.508MGD. Post Construction Certification will be submitted in 2021 and should close the CAP.
- PAWC has started the design for improvements of the Parkeburg Pump Station in August 2011.
- PAWC did submit a WQM Part II permit for the improvements in July 2012.
- PAWC receipt of WQM Part II permit from DEP in January 2013.
- PAWC has started the Phase 1 improvements in November 2015 and was completed in the summer of 2015.
- PAWC will continue to monitor the growth rate upstream of these developments, continue flow monitoring, and Sewer Gems modeling of the Parkeburg Pump Station.
- PAWC will reissue bidding documents for Phase 2 improvements when the projected overload is within two years.
- PAWC will award a contractor for the Phase 2 improvements with 120 days after the receipt of bids.
- PAWC will issue the Notice to Proceed within 90 days after the Notice of Award.
- PAWC will substantially complete construction of the necessary improvements within 365 days after the Notice to Proceed.

## **Borough of Parkesburg Collection System - Corrective Action Plan (CAP)**

PAWC has signed planning modules for three developments with the Borough of Parkesburg, the Davis Tract 324 EDU's, Crystal Springs 129 EDU's, and HDC Site 75 EDU's. PAWC performed a capacity analysis and identified the combined total of additional EDU's will cause specified segments to be greater than its design capacity. A restriction shall be placed upon these three developments that prior to connection of a combined total of 232 EDU's, pipe segments must be replaced. To assist the developers, PAWC will coordinate the design, permitting and construction of the improvements and offer the following Corrective Action Plan (CAP).

- PAWC has begun design efforts in October 2007.
- PAWC has submitted the Part II permit to DEP in March 2008.
- PAWC will receive bids for construction pending developer's construction schedule.
- Notice of Award and Proceed issued two months after receipt of bids.
- Construction timeframe – six months to final completion after Notice of Award.

**CONNECTION MANAGEMENT PLAN - REPORTING Data REVISED: March 2024  
WASTEWATER TREATMENT PLANT FLOWS**

**TABLE 1**

MONTH	MONTHLY FLOW AVERAGE (MGD)				MONTHLY FLOW AVERAGE (MGD)	2023		
	YEAR	2019	2020	2021		2022	3 MONTH MAXIMUM (MGD)	RAIN TOTAL (in.)
JANUARY	<b>4.323</b>	3.680	3.605	3.627	<b>3.872</b>		1.95	
FEBRUARY	<b>4.037</b>	<b>3.907</b>	<b>3.666</b>	3.779	<b>3.594</b>		1.38	
MARCH	<b>4.466</b>	<b>3.783</b>	<b>4.037</b>	3.689	<b>3.530</b>	3.665	2.06	
APRIL	3.691	<b>4.156</b>	<b>3.646</b>	<b>4.210</b>	3.490	3.538	4.41	
MAY	3.875	3.847	3.026	<b>4.171</b>	3.486	3.502	0.32	
JUNE	3.485	3.690	3.762	<b>3.842</b>	3.566	3.514	4.82	
JULY	3.233	3.358	2.932	3.601	3.616	3.556	6.04	
AUGUST	2.749	3.951	2.825	3.394	3.217	3.466	2.43	
SEPTEMBER	2.405	3.462	3.708	3.409	3.279	3.371	6.16	
OCTOBER	2.474	3.515	2.878	3.809	3.179	3.225	1.79	
NOVEMBER	2.553	3.623	2.695	3.425	3.092	3.183	2.80	
DECEMBER	2.826	4.325	2.746	3.370	4.155	3.475	8.29	
AVERAGE	3.343	3.775	3.294	3.694	3.5063	--	3.54	
3 Month MAX	4.275	3.949	3.783	4.075	--	3.665	--	

Number of New Connections for Each Quarter 2023	
1st Quarter	75
2nd Quarter	76
3rd Quarter	76
4th Quarter	76
<b>Total for Year</b>	<b>303</b>

	5 YEAR FLOW HISTORY		
	ANNUAL AVERAGE	3 MONTH MAXIMUM	PEAKING FACTOR
2023	3.506	3.665	1.045
2022	3.694	4.075	1.103
2021	3.294	3.783	1.149
2020	3.775	3.949	1.046
2019	3.343	4.275	1.279

**RUNNING ANNUAL AVERAGE FLOW**

**3.5063 MGD** January 2023 - December 2023

**RUNNING 5 YEAR AVERAGE**

**3.522 3.949 1.121**

TABLE 2

PROJECTED TOTAL PER CMP, REVISED March 2024 - BASED ON ANNUAL AVERAGE (GPD)								
	Act 537 Approved Contracted Allocation	Chapter 94 Flow 2023	2024	2025	2026	2027	2028	5-year Net Increase
City of Coatesville	*	1,588,204	1,620,379	1,643,104	1,711,279	1,731,529	1,731,529	143,325
Valley Township	*	803,847	820,272	850,197	875,397	892,722	892,722	88,875
Caln Township	800,000	55,676	62,876	70,301	94,376	98,201	102,026	46,350
West Brandywine Township	345,000	198,038	219,863	240,563	261,038	281,513	289,838	91,800
Sadsbury Township	*	256,346	313,496	334,421	346,571	358,721	369,746	113,400
West Sadsbury Township	*	87,703	94,228	105,703	117,403	120,328	120,328	32,625
East Fallowfield Township	*	162,199	170,749	170,974	189,874	189,874	202,474	40,275
Borough of Parkesburg	*	211,191	221,091	227,391	234,591	234,591	234,591	23,400
West Caln Township	*	25,384	29,434	32,134	34,609	34,834	34,834	9,450
Veterans Hospital	*	46,164	46,164	46,164	46,164	46,164	46,164	-
Highland Township		675	900	1,125	1,350	1,575	1,575	900
Bulk Delivery		44,616	44,616	44,616	44,616	44,616	44,616	-
<b>Ave. Total Flow (GPD)</b>		<b>3,506,333</b>	<b>3,644,068</b>	<b>3,766,693</b>	<b>3,957,268</b>	<b>4,034,668</b>	<b>4,070,443</b>	<b>564,110</b>
<b>3-Month Max (GPD)</b>		<b>3,665,333</b>	<b>3,809,314</b>	<b>3,937,500</b>	<b>4,136,717</b>	<b>4,217,627</b>	<b>4,255,024</b>	<b>589,691</b>
<b>Peak Factor</b>		<b>1.045</b>	<b>1.045</b>	<b>1.045</b>	<b>1.045</b>	<b>1.045</b>	<b>1.045</b>	

PROJECTED TOTAL PER CMP, REVISED March 2024 - BASED ON 5 YEAR ADJUSTED AVERAGES								
<b>Ave. Total Flow (GPD)</b>		<b>3,614,866</b>	<b>3,752,601</b>	<b>3,875,226</b>	<b>4,065,801</b>	<b>4,143,201</b>	<b>4,178,976</b>	<b>528,335</b>
<b>3-Month Max (GPD)</b>		<b>4,053,169</b>	<b>4,207,605</b>	<b>4,345,098</b>	<b>4,558,780</b>	<b>4,645,565</b>	<b>4,685,678</b>	<b>592,396</b>
<b>Peak Factor</b>		<b>1.121</b>	<b>1.121</b>	<b>1.121</b>	<b>1.121</b>	<b>1.121</b>	<b>1.121</b>	

Contract and Planning Allocations For WWTF Expansion		
	Allocation	Contracted Capacity
City of Coatesville	2,271,413	
Valley Township	1,540,000	
Caln Township		800,000
West Brandywine Township		533,100
Sadsbury Township	410,750	
West Sadsbury Township	380,399	
East Fallowfield Township	269,107	
Borough of Parkesburg	654,921	
West Caln Township	508,225	
Veterans Hospital	96,078	
Highland Township	48,375	
<b>Totals:</b>	<b>6,179,268</b>	<b>1,333,100</b>

**TABLE 3  
SUMMARY OF CONNECTIONS**

SOURCE	2019		2020		2021		2022		2023		5 Year Totals	
	New Flow	Equiv. EDU's	New Flow	Equiv. EDU's	New Flow	Equiv. EDU's	New Flow	Equiv. EDU's	New Flow	Equiv. EDU's	New Flow	Equiv. EDU's
<b>Bulk Customers</b>												
Caln Twp.	0	0	225	1	3,375	15	11,925	53	5,850	26	21,375	95
W. Brandywine Twp.	0	0	7,200	32	16,650	74	18,000	80	9,900	44	51,750	230
Subtotal	0	0	7,425	33	20,025	89	29,925	133	15,750	70	73,125	325
<b>Billed Customers <sup>(1)</sup></b>	0	0	24,750	110	33,975	151	31,275	139	52,425	233	142,425	633
<b>Veteran's Hospital</b>	49,221	219	0	0	0	0	0	0	0	0	49,221	219
<b>TOTAL</b>	49,221	219	32,175	143	54,000	240	61,200	272	68,175	303	264,771	1,177

<sup>(1)</sup> Net EDU addition for City of Coatesville, East Fallowfield Twp., Parkesburg Boro, West Sadsbury, West Caln, Valley Twp, Sadsbury Twp, & Bulk Haulers

Note: One EDU = 225 GPD

Base Flow Determination

	2019	2020	2021	2022	2023	5-YR Adjusted Average
Actual Annual Average	3.343	3.775	3.294	3.694	3.506	
Flow Adjustments 2019		0.049	0.049	0.049	0.049	
Flow Adjustments 2020			0.032	0.032	0.032	
Flow Adjustments 2021				0.054	0.054	
Flow Adjustments 2022					0.061	
Flow Adjustments 2023						
Total Adjustment	0.197	0.097	0.108	0.061	0.000	
Equivalent Flow	3.540	3.871	3.402	3.755	3.506	3.615

**CONNECTION MANAGEMENT PLAN - REPORTING Data REVISED: March 2024  
PROJECTED NEW CONNECTIONS**

LINE	DEP Code No.	NAME	TOTAL EQ. EDU's	EDUS EQ. ACTIVE	EDUS REMAINING	EST. GPD REMAINING	PLANNING (a) MODULE	EETL &WETL MH	TYPE	PROJECTED NEW CONNECTIONS					TOTAL IN 5 YEARS	TOTAL BEYOND 2028
										2024	2025	2026	2027	2028		
1	City of Coatesville															
2	1-15001-036-3UJ	Cambria Terrace	69	69	-	-	Y	16	R						-	-
3		Brandywine View Apartments	638	-	638	143,550	Y	23	R	20	20	25	25		90	548
4		Marriott Restaurant	31	-	31	6,975		578	C			31			31	-
5		Chetty Towers 1 - Residential	60	-	60	13,500		23	R			60			60	-
6		Chetty Towers 1 - Commercial	10	-	10	2,250		23	C			10			10	-
7		Chetty Towers 2 - Residential	150	-	150	33,750		16	R			60	60		120	30
8		Chetty Towers 2 - Commercial	25	-	25	5,625		16	C			20	5		25	-
9		Chetty Towers 3 - Residential	325	-	325	73,125			R						-	325
10		Chetty Towers 3 - Commercial	66	-	66	14,850			C						-	66
11		Chetty Towers 4 - Residential	48	-	48	10,800			R						-	48
12		Chetty Towers 4 - Commercial	6	-	6	1,350			C						-	6
13		Chetty Towers 5 - Residential	195	-	195	43,875			R						-	195
14		Chetty Towers 5 - Commercial	34	-	34	7,650			C						-	34
15		Chetty Towers 6 - Residential	85	-	85	19,125			R						-	85
16		Chetty Towers 6 - Commercial	9	-	9	2,025			C						-	9
17		701 ELH - Residential	7	-	7	1,575	Y	33	R			7			7	-
18		731 ELH - Residential	9	-	9	2,025	Y	33	R			9			9	-
19		McColl-Coatesville Condominium	8	8	-	-	Y	16	R						-	-
20		The Flats	200	-	200	45,000			R/C	50	75	75			200	-
21		Legend Properties (Lipkin Apartments)	55	-	55	12,375			R						-	55
22		Gateway Development (Lipkin Building)	38	-	38	8,550	Y		R/C	38					38	-
23		300 East Lincoln Highway	10	-	10	2,250			C	10					10	-
24		Valley Road Apartments	9	-	9	2,025	Y		R	9					9	-
25		Pulver Office Building 2	25	-	25	5,625			C						-	25
26		Pulver Office Building 3	25	-	25	5,625			C						-	25
27		Pulver Office Building 4	25	-	25	5,625			C						-	25
28		Pulver Office Building 5	12	-	12	2,700			C						-	12
29		Pulver Office Building 6	12	-	12	2,700			C						-	12
30		129-133 ELH - Residential	32	-	32	7,200			R						-	32
31		129-133 ELH - Commercial	3	-	3	675			C						-	3
32		Cansler Tower East - Residential	65	-	65	14,625			R						-	65
33		Cansler Tower East - Commercial	9	-	9	2,025			C						-	9
34		Cansler Tower West - Residential	40	-	40	9,000			R						-	40
35		Cansler Tower West - Commercial	6	-	6	1,350			C						-	6
36		Regional Recreation Complex	20	-	20	4,500			C						-	20
37		Steel Heritage Museum	20	-	20	4,500			C						-	20
38		G.O. Carlson/Mittal Steel Tract	30	-	30	6,750			R						-	30
39		New Amtrak Station	8	-	8	1,800	Y		C		4	4			8	-
40		Habitat for Humanity: Coates Street	5	-	5	1,125	Y		C	5					5	-
41		Habitat for Humanity: Lumber Street	5	-	5	1,125	Y		C	5					5	-
42		CCIU Toddler Center	2	2	-	-	Y		C						-	-
43		Coatesville Misc (2 EDU's or less)	15	9	6	1,350			R	2	2	2			6	-
44																
45		Total EDU	2,446	88	2,358	530,550			EDU	139	101	303	90	-	633	1,725
46		Total Flow	550,350	19,800	530,550				FLOW	31,275	22,725	68,175	20,250	-	142,425	388,125

47	<b>Valley Township (b)</b>															
48	1-15961-306-4	Highlands Corp. Center Phase I, II, III	102	91	11	2,475	Y	16	C	6	5				11	-
49		440 Highlands Blvd.	2	-	2	450	Y	16	C		2				2	-
50	1-15956-125-3J	Valley Suburban (Valley Square) - Lot 1 Residential	100	-	100	22,500	Y	578	R		20	40	40		100	-
51	1-15956-125-3J	Valley Suburban (Valley Square) - Lot 2 Residential	98	12	86	19,350	Y	578	R	43	43				86	-
52	1-15956-125-3J	Valley Suburban (Valley Square) - Lot 3 Commercial	142	-	142	31,950	Y	578	C		10	10	10		30	112
53	1-15956-128-3J	Mt. Airy Road Existing Residences (Valley Farm)	81	56	25	5,625	Y	16	R						-	25
54	1-15956-134-3J	Glencrest Road Residences (Oakcrest)	30	22	8	1,800	Y	16	R	2	3	3			8	-
55	1-15956-188-X	Cleveland - Cliffs Building Expansion	2	-	2	450	Y	578	C	2					2	-
56	1-15956-149-X	Lawrence Professional Center	2	-	2	450	Y	578	C		2				2	-
57	1-15956-147-X	Hendry Lot - 29 New Street	1	1	-	-	Y	578	R						-	-
58		Micronic USA	2	-	2	450	Y	578	C	2					2	-
59		Abdala Building Expansion	2	-	2	450	Y	578	C	2					2	-
60		119 Mount Carmel Road	1	-	1	225	Y	578	R	1					1	-
61		Rainbow Village Existing Residences	30	-	30	6,750		578	R						-	30
62		Valley View Business Park - Lot 8A Industrial	6	-	6	1,350		578	I		6				6	-
63		Valley View Business Park - Lot 8B Industrial	7	-	7	1,575		578	I			7			7	-
64		Valley View Business Park - Lot 8C Residential	1	-	1	225	Y	578	R	1					1	-
65		Airport Expansion	12	-	12	2,700		578	C		12				12	-
66	1-15956-196-E	Westwood Ridge	87	-	87	19,575	Y	578	R		30	30	27		87	-
67		170 Country Club Road	1	1	-	-	Y	578	R						-	-
68		140 Andrews Lane	1	1	-	-	Y	578	R						-	-
69		Valley Overlook (339 East Drive)	22	-	22	4,950		578	R			22			22	-
70																
71		Total EDU	732	184	548	123,300			EDU	59	133	112	77	-	381	167
72		Total Flow	164,700	41,400	123,300				FLOW	13,275	29,925	25,200	17,325	-	85,725	37,575
73	<b>Caln Township (b)</b>															
74	1-15912-404-3M	Dogwood & Scott Drive Sewer Extension	69	48	21	4,725	Y	26	R	4					4	17
75	1-15912-411-3J	The Villages at Hillview Subdivision	90	90	-	-	Y	45	R						-	-
76	1-15912-195-3J	Southwoods Subdivision	20	-	20	4,500	Y	45	R		10	10			20	-
77		Toomey Estates (Blackhorse Hills Apartments)	75	-	75	16,875		54	C			75			75	-
78		Caln Road	40	-	40	9,000		54	R						-	40
79		Fox Ave Subdivision	12	1	11	2,475	Y	54	R		6	5			11	-
80		Caln Misc (2 EDU's or less)	236	1	235	52,875		54	R/C	2	17	17	17	17	70	165
81																
82		Total EDU	542	140	402	90,450			EDU	6	33	107	17	17	180	222
83		Total Flow	121,950	31,500	90,450				FLOW	1,350	7,425	24,075	3,825	3,825	40,500	49,950
84	<b>West Brandywine Township (b)</b>															
85		Existing Unconnected EDU's	4	2	2	450	Y	46	R	2					2	-
86		Janiec/Cobblestone	34	-	34	7,650		46	R						-	34
87		Culbertson Village Commercial	28	-	28	6,300	Y	46	C						-	28
88		Culbertson Village Residential	178	-	178	40,050	Y	46	R	30	37	37	37	37	178	-
89		Traditions of America	227	226	1	225	Y	46	R	1					1	-
90		Traditions of America at Harvest Run	183	-	183	41,175		46	R	20	55	54	54		183	-
91		Traditions of America No. 3	258	-	258	58,050		46	R						-	258
92																
93		Total EDU	912	228	684	153,900			EDU	53	92	91	91	37	364	320
94		Total Flow	205,200	51,300	153,900				FLOW	11,925	20,700	20,475	20,475	8,325	81,900	72,000
95	<b>Highland Township</b>															
96		Highland Misc (2 EDU's or less)	5	1	4	900		638	R	1	1	1	1		4	-
97																
98		Total EDU	5	1	4	900			EDU	1	1	1	1	-	4	-
99		Total Flow	1,125	225	900				FLOW	225	225	225	225	-	900	-
100	<b>Sadsbury Township (b)</b>															
101		Bellaire Business Center Overall - (CTDI Expansion)	139	139	-	-	Y	638	C						-	-
102		Rock Holdings (Lot 7B Independence Way)	9	9	-	-	Y	638	C						-	-
103	1-15947-104-3J	Sadsbury Park	461	461	-	-	Y	638	R						-	-
104		Lincoln Crest MHP (Additional EDU's)	50	-	50	11,250	Y	638	R	25	25				50	-
105		Lafayette Square	125	125	-	-	Y	638	R						-	-
106		Sadsbury Township Existing Residents	80	25	55	12,375		638	R	5	4	4	4	4	21	34
107		Sadsbury Commons	240	-	240	54,000	Y	638	C	45	50	50	50	45	240	-
108		Sadsbury Commons - Medical Office	3	-	3	675	Y	638	C	3					3	-
109		Sadsbury Commons Reserve	3	-	3	675	Y	638	C	3					3	-
110		Sadsbury Commons Misc. Flow	26	-	26	5,850	Y	638	C	5					5	21
111		CVS Total Development	24	-	24	5,400	Y	638	C	10	14				24	-
112		Sadsbury Square	84	84	-	-	Y	638	R						-	-
113																
114		Total EDU	1,244	843	401	90,235			EDU	96	93	54	54	49	346	55
115		Total Flow	279,900	189,675	90,225				FLOW	21,600	20,925	12,150	12,150	11,025	77,850	12,375

116	<b>East Fallowfield Township</b>																	
117	1-15918-159-3H	Stone Creek (Robins Cove)	53	53	-	-	Y	37	R							-	-	
118	1-15918-207-3I	North Woods (Thompson North)	27	27	-	-	Y	37	R							-	-	
119	1-15918-208-3I	Mendenhall Tract	74	74	-	-	Y	37	R							-	-	
120	1-15918-211-3J	Providence Hill (Chen Tract)	218	218	-	-	Y	37	R							-	-	
121	1-15918-196-3J	Manchester Farms (Thompson South)	112	112	-	-	Y	37	R							-	-	
122	1-15918-213-3J	Ridgecrest (Martin)	72	72	-	-	Y	37	R							-	-	
123		Fieldstone Village	45	45	-	-	Y	37	R							-	-	
124		Cardinal Drive Area	77	77	-	-	Y	37	R							-	-	
125		South Brandywine Elementary School	26	-	26	5,850	Y	37	C			26				26	-	
126		Proposed Township Building	5	-	5	1,125	Y	37	C	5						5	-	
127		Mount Carmel Area	24	-	24	5,400		37	R/C					24		24	-	
128		Stottsville Area	32	-	32	7,200		37	R/C				32			32	-	
129		South Brandywine Area	58	-	58	13,050		37	R/C			58				58	-	
130		East Fallowfield Misc (2 EDU's or less)	13	11	2	450		38	R	1	1					2	-	
131																		
132		Total EDU	836	689	147	33,075			EDU	6	1	84	-	56		147	-	
133		Total Flow	188,100	155,025	33,075				FLOW	1,350	225	18,900	-	12,600		33,075	-	
134	<b>Parkesburg Borough</b>																	
135	1-15807-037-3H	Parkesburg Knoll	171	171	-	-	Y	638	R							-	-	
136	1-15807-050-3J	Crystal Springs Expansion (Heritage)	129	-	129	29,025	Y	638	R		5	10				15	114	
137	1-15807-046-3H	Lindale Village	31	-	31	6,975	Y	638	R	5	5	5				15	16	
138		Davis Tract	324	5	319	71,775	Y	638	R	10	10	10				30	289	
139		MK Builders	3	3	-	-	Y	638	R							-	-	
140		Phillips Site	4	2	2	450	Y	638	R	2						2	-	
141		Parkesedge Apartments	32	5	27	6,075	Y	638	R	5	5	5				15	12	
142		Siti Crook - Maple Alley	2	-	2	450		638	R							-	2	
143		Octorara Avenue	3	-	3	675		638	R							-	3	
144		Parkesburg Misc (2 EDU's or less)	20	12	8	1,800		638	R	3	3	2				8	-	
145																		
146		Total EDU	719	198	521	117,225			EDU	25	28	32	-	-		85	436	
147		Total Flow	161,775	44,550	117,225				FLOW	5,625	6,300	7,200	-	-		19,125	98,100	
148	<b>West Caln Township</b>																	
149	1-15961-554-3Hrev	Calnshire West	124	105	19	4,275	Y	638	R	6	6	7				19	-	
150	1-15961-554-3Hrev	Sandy Hill	87	87	-	-	Y	638	R							-	-	
151		1221 Airport Road, LLP (Sands Property)	234	-	234	52,650		638	R	4	4	3				11	223	
152		Lapp Tract	3	1	2	450	Y	638	R	1	1					2	-	
153		Arron King	1	1	-	-	Y	638	R							-	-	
154		Aaron Glick	2	2	-	-	Y	638	R							-	-	
155		West Caln Misc (2 EDU's or less)	5	1	4	900		638	R	1	1	1	1			4	-	
156																		
157		Total EDU	456	197	259	58,275			EDU	12	12	11	1	-		36	223	
158		Total Flow	102,600	44,325	58,275				FLOW	2,700	2,700	2,475	225	-		8,100	50,175	
159	<b>West Sadsbury Township</b>																	
160		Lower Valley Road Partners, LP (Victory)	311	232	79	17,775	Y	638	I		20	20				40	39	
161		Mast Property	600	-	600	135,000		638	R/C	10	10	20				40	560	
162		King Swings (4000 Valley Road)	4	4	-	-	Y	638	C							-	-	
163		JD Eckman (4781 Lower Valley Road)	96	35	61	13,725	Y	638	C	18	20	11	12			61	-	
164		Upper Valley Road - Daycare/Apartment	6	6	-	-	Y	638	C							-	-	
165		Springer Development	20	-	20	4,500		638	C							-	20	
166		Autozone	2	-	2	450		638	C							-	2	
167		West Sadsbury Misc (2 EDU's or less)	6	2	4	900		638	R	1	1	1	1			4	-	
168																		
169		Total EDU	1,045	279	766	172,350			EDU	29	51	52	13	-		145	621	
170		Total Flow	235,125	62,775	172,350				FLOW	6,525	11,475	11,700	2,925	-		32,625	139,725	
171																		
172			PROJECTED EDUS		REMAINING EDUS		Summary	#1	PLANT PROJECTED FLOW					TOTAL IN 5 YEARS	TOTAL BEYOND 2028			
173			TOTAL	ACTIVE	TOTAL	FLOW			CURRENT	2024	2025	2026	2027			2028		
174		Total EDU	8,937	2,847	6,090	1,370,260			TOTAL EDU'S	316	353	324	201	82		1,276	3,769	
175		Total Flow	2,010,825	640,575	1,370,250				TOTAL FLOW	71,100	79,425	72,900	45,225	18,450		287,100	848,025	
176									TOTAL PROJECTED WWTP FLOW	3,506,333	3,577,433	3,656,858	3,729,758	3,774,983	3,793,433	3,793,433	4,641,458	
177																		
178		GPD/EDU = 225.0																
179	(a)	Signed by PAWC, does not indicated approval by DEP							#2	PROJECTED EDU'S WITH PM SIGNED BY PAWC AND PENDING PROJECTS								
180	(b)	Municipal agreements will be governed the CMP.								TOTAL EDU'S	426	545	847	344	159	2,321	3,769	
181										TOTAL FLOW	95,850	122,625	190,575	77,400	35,775	522,225	848,025	
182										TOTAL PROJECTED WWTP FLOW	3,506,333	3,602,183	3,724,808	3,915,383	3,992,783	4,028,558	4,028,558	
183										Proj. 3-Month Max	3,782,293	3,911,049	4,111,153	4,192,423	4,229,986			

## CONNECTION MANAGEMENT PLAN - REPORTING Data REVISED: March 2024

### TABLE B1

**EETL Allocation until Expansion is Complete from MH EE 015 to MH EE 018<sup>(4)</sup>**

Township	Development	Total Connections (1)	Connections Allowed (2)	2011 and Beyond Connections Made (3)	Connections Remaining (3)
<b>City of Coatesville</b>					
	701 ELH - Residential	7		0	7
	731 ELH - Residential	9		0	9
	Coatesville Misc (2 EDU's or less)	15		9	6
<b>Caln Township</b>					
	The Villages at Hillview Subdivision	90		90	0
	Southwoods Subdivision	20		0	20
	Hills of Thorndale Woods (Southdown/Duca)	262		0	0
	RG Carwash	7		7	0
	Toomey Estates (Blackhorse Hills Apartments)	75		0	75
	Caln Road	40		0	0
	Dogwood & Scott Drive Sewer Extension	69		48	21
	Fox Ave Subdivision	12		1	11
	Caln Misc (2 EDU's or less)	236		1	235
<b>West Brandywine Township</b>					
	Existing Unconnected EDU's	4		2	2
	Traditions of America	227		226	1
	Culbertson Village Residential	178		0	178
	Culbertson Village Commercial	28		0	0
	Traditions of America No. 3	258		0	0
	Traditions of America at Harvest Run	183		0	183
<b>East Fallowfield Township</b>					
	Stone Creek (Robins Cove)	53		4	0
	North Woods (Thompson North)	27		5	0
	Mendenhall Tract	74		0	0
	Providence Hill (Chen Tract)	218		0	0
	Manchester Farms (Thompson South)	112		3	0
	Ridgecrest (Martin)	72		72	0
	Fieldstone Village	45		45	0
	Cardinal Drive Area	77		1	0
	South Brandywine Elementary School	26		0	26
	Proposed Township Building	5		0	5
	Mount Carmel Area	24		0	24
	Stottsville Area	32		0	32
	South Brandywine Area	58		0	58
	East Fallowfield Misc (2 EDU's or less)	13		11	2
<b>Borough of South Coatesville</b>					
	1140 & 1138 West Chester Road	2		2	0
<b>Subtotal</b>		<b>1256</b>		<b>527</b>	<b>895</b>

**NOTE**

- (1) - Total projected new connections upstream of critical section.
- (2) - Connection allowed prior to completion of EETL replacement of Manhole EE 015 to Manhole EE 018
- (3) - Connections made since January 2011 and remaining in next 5 years, from 2012 Chapter 94 Report.
- (4) - This table is not a commitment of capacity by PAWC, but rather a summary of each municipalities projections in the Chapter 94 Report. These tables will be updated every 6 months based upon changes to the projections and actual connections.

Table 4  
PAWC Pump Stations - 2023 Chapter 94 Report

Pump Station Name	Number of Pumps	Permitted Capacities		Present Flows			Projected Flows			
		AA Permitted Capacity (GPD)	Hydraulic Design Capacity (GPM)	Annual Average Flows (GPD)	Peak Daily Flow (GPD)	Peak Hourly Flow (GPM)	Peaking Factor	2-Year Additional Flow (GPD)	2-Year AA Flow (GPD)	2-Year Projected Maximum Flow (GPD)
Branford Village Lift Station #1	2	149,000	309	53,653	162,907	113	3.04	0	53,653	162,907
Branford Village Lift Station #2	2	65,000	135	13,678	22,232	15	1.63	0	13,678	22,232
Brinton Station Lift Station #1	2	22,000	87	4,848	6,561	5	1.35	0	4,848	6,561
Brinton Station Lift Station #2	2	3,000	27		Combined with #1					
Derry Lane Pump Station (Fieldstone)	2	19,425	100	7,617	16,096	11	2.11	0	7,617	16,096
Millview Lift Station	2		178	19,044	24,124	17	1.27	0	19,044	24,124
Northwoods Lift Station	2	7,100	35	3,777	5,880	4	1.56	0	3,777	5,880
Parkesburg Lift Station	4	1,451,826	3,825	301,880	996,807	692	3.30	54,225	356,105	1,175,858
Providence Hill Lift Station	2	51,450	250	28,129	47,144	33	1.68	0	28,129	47,144
Robins Cove #1 Lift Station	2		55		Combined with #2					
Robins Cove #2 Lift Station	2	163,418	550	91,478	158,174	110	1.73	0	91,478	158,174
Sandy Hill Lift Station	2	100,000	276	22,943	118,020	82	5.14	4,725	27,668	142,325
Strasburg Hunt Lift Station #1 (Short Drive)	2		43		Combined with #2					
Strasburg Hunt Lift Station #2 (Windy Hill) <sup>(1)</sup>	2		52	12,221	46,438	32	3.80	0	12,221	46,438
West Sadsbury Lift Station (Quebecor)	2	100,000	175	6,135	46,564	32	7.59	0	6,135	46,564
West Sadsbury Commons Lift Station <sup>(2)</sup>	2	40,000	130	25,042	43,110	30	1.72	0	25,042	43,110
West Sadsbury Lower Valley Road (Victory)	2	214,560	149	56,526	122,099	85	2.16	2,475	59,001	127,445
Sadsbury Pump Station	2	1,008,000	700	275,448	853,189	592	3.10	0	275,448	853,189
Highlands Corp Center P.S. #1 <sup>(1)</sup>	2	52,871	150	7,418	31,156	22	4.20	2,925	10,343	43,441
Country Ridge P.S. <sup>(1)</sup>	2	15,300	85	9,111	38,267	27	4.20	0	9,111	38,267
Hillview P.S. <sup>(1)</sup>	2	61,200	220	24,995	97,481	68	3.90	0	24,995	97,481
Rock Run P.S. <sup>(1)</sup>	2	384,000	800	306,132	918,395	638	3.00	1,125	307,257	921,770
Valley View Business Park P.S. <sup>(1)</sup>	2	4,240	33	3,566	14,978	10	4.20	1,575	5,141	21,593
Round Hill P.S. #1 <sup>(1)</sup>	2	48,600	160	18,023	72,091	50	4.00	0	18,023	72,091
Round Hill P.S. #2 <sup>(1)</sup>	2	11,700	40	4,396	18,463	13	4.20	0	4,396	18,463
Valley Suburban Pump Station (Hamilton) <sup>(3)</sup>	2			202	849	0.59	4.20	0	202	849
CVS Pump Station <sup>(4)</sup>	2		400	138	580	0.40	4.20	0	138	580

(1) - Peak Hourly Flow data was not provided. Peak Daily Flow calculated using peaking factor based on PADEP Sewage Pumping Station Guidance

(2) - Flow data only available for January 2023 through September 2023.

(3) - Pump Station only discharged flow July through December 2023, resulting in an unrepresentatively low annual average flow.

(4) - Pump Station only discharged flow in February, March, November, and December 2023, resulting in an unrepresentatively low annual average flow.

## C. 2023 Municipal Flows Table

# PAWC Municipal Flows 2023

# Exhibit F

Line #	2023 ADF	GPD	Current MDF GPD	Current MDF Peaking Factor	Current PHF GPD	Current PHF Peaking Factor
1	<b>Total Metered Plant Flow</b>		<b>12/18/2023</b>			
2		GPD	3,506,490	10,726,650	3.06	
3	Rainfall Total (in.)	42				
4	<b>Highland Township</b>					
5	Borough Line Rd.	675	1,013	1.50	1,688	2.50
6	Total					
7	GPD	675	1,013	1.50	1,688	2.50
8	<b>Caln Township</b>					
9	Caln Pump Station	5,226	10,452	2.00	15,678	3.00
10	Carver Court	12,187	18,281	1.50	30,468	2.50
11	Megargee Heights	18,187	27,280	1.50	45,467	2.50
12	Brandywine Fab & Keehn	3,263	4,895	1.50	8,158	2.50
13	Dogwood Ln-Scott Dr	12,178	18,268	1.50	30,446	2.50
14	Caln Hillview Pump Station	4,634	6,951	1.50	11,585	2.50
15	Total					
16	GPD	55,676	86,127	1.55	141,802	2.55
17	<b>Valley Township</b>					
18	Rock Run Pump Station	306,132	791,896	2.59	1,147,656	3.75
19	Valley Road	242,555	998,240	4.12	1,206,079	4.97
20	Charles Street	275,290	541,661	1.97	576,331	2.09
21	Gap Rd.	1,778	3,556	2.00	5,333	3.00
22	Coatesville Country Club (line 38)	(2,440)	(4,881)	2.00	(7,321)	3.00
23	Mt. Carmel/Strasburg Hunt (line 43)	(12,221)	(24,441)	2.00	(36,662)	3.00
24	Marriot (line 82)	(7,246)	(14,491)	2.00	(21,737)	3.00
25	Total					
26	GPD	803,847	2,291,539	2.85	2,869,680	3.57
27	<b>Parkesburg Borough</b>					
28	Parkesburg Pump Station	301,880	996,807	3.30	2,152,248	7.13
29	Victory Brewery (line 55)	(56,526)	(122,099)	2.16	(219,984)	3.89
30	World Color (Qcor) (line 56)	(6,135)	(46,564)	7.59	(294,480)	48.00
31	West Sadsbury Commons (line 57)	(25,042)	(43,110)	1.72	(59,107)	2.36
32	Borough Line Rd. (line 5)	(675)	(1,013)	1.50	(1,688)	2.50
33	Sadsbury Crossing	(2,173)	(4,345)	2.00	(6,518)	3.00
34	CVS Pump Station (line 68)	(138)	(276)	2.00	(415)	3.00
35	Total					
36	GPD	211,191	779,400	3.69	1,570,057	7.43
37	<b>West Caln Township</b>					
38	Coatesville Country Club	2,440	4,881	2.00	7,321	3.00
39	Sandy Hill	22,943	118,020	5.14	252,946	11.02
40	Total					
41	GPD	25,384	122,901	4.84	260,267	10.25
42	<b>East Fallowfield Township</b>					
43	Mt. Carmel/Strasburg Hunt	12,221	24,441	2.00	36,662	3.00
44	Brinton Station	4,848	6,561	1.35	12,065	2.49
45	Branford Village PS #1 - Main	53,653	162,907	3.04	433,030	8.07
46	Branford Village PS #2	13,678	22,232	1.63	50,083	3.66
47	Hidden Valley Mobile Home Park	5,866	11,732	2.00	17,599	3.00
48	Stone Creek	91,478	158,174	1.73	227,263	2.48
49	Providence Hill	28,129	47,144	1.68	69,310	2.46
50	Northwoods	3,777	5,880	1.56	12,266	3.25
51	Derry Ln.	7,617	16,096	2.11	35,018	4.60
52	Total					
53	GPD	162,199	352,084	2.17	709,019	4.37
54	<b>West Sadsbury Township</b>					
55	Victory Brewery	56,526	122,099	2.16	219,984	3.89
56	World Color (Qcor)	6,135	46,564	7.59	294,480	48.00
57	West Sadsbury Commons	25,042	43,110	1.72	59,107	2.36
58	Total					
59	GPD	87,703	211,773	2.41	573,571	6.54
60	<b>West Brandywine Township</b>					
61	Pump Station (Station 46)	198,038	393,500	1.99	594,115	3.00
62	Total					
63	GPD	198,038	393,500	1.99	594,115	3.00
64	<b>Sadsbury Township</b>					
65	Pump Station (SADSTWP)	275,448	853,189	3.10	1,227,984	4.46
66	Sadsbury Crossing/Valley Rd.	3,841	7,682	2.00	11,523	3.00
67	Sandy Hill (line 39)	(22,943)	(118,020)	5.14	(252,946)	11.02
68	CVS Pump Station	138	276	2.00	415	3.00
69	Total					
70	GPD	256,484	743,128	2.90	986,976	3.85
71	<b>Veterans Hospital</b>					
72	11th & Diamond	244,203	495,000	2.03	732,608	3.00
73	West Brandywine PS (line 61)	(198,038)	(393,500)	1.99	(594,115)	3.00
74	Total					
75	GPD	46,164	101,500	2.20	138,493	3.00
76	<b>Bulk Delivery</b>					
77	Haulers to Plant	44,616	44,616	1.00	44,616	1.00
78	Total					
79	GPD	44,616	44,616	1.00	44,616	1.00
80	<b>City of Coatesville</b>					
81	Millview	19,044	24,124	1.27	41,832	2.20
82	Marriot	7,246	14,491	2.00	21,737	3.00
83	Total Metered Plant Flow	3,506,490	10,726,650	3.06	0	0.00
84	Total Contributing	1,918,268	5,166,195	2.69	7,953,853	4.15
85	Total					
86	GPD	1,588,222	5,560,455	3.50	(7,953,853)	(5.01)

Footnotes (Line #)

- 18 - Daily flow data only available for November to December 2023
- 20 - No daily flow data was available for August to October 2023
- 45 - Daily flow data only available for April to November 2023
- 57 - No flow data was available for October to December 2023
- 61 - No hourly flow data was available
- 72 - No hourly flow data was available

## D. Flowmeter Calibration Reports

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (717) 940-1987

**\*\*\*SERVICE REPORT\*\*\***

RICH LUTZ  
PENNSYLVANIA AMERICAN WATER  
100 CHESHIRE COURT  
COATESVILLE, PA 19320

**SERVICE DATE:** 4/11/2023  
**METER#:** C8317 AU  
**LOCATION:** FILTER 1 EFFLUENT  
**SERIAL #:** 44219098  
**MANUFACTURER:** VEGA  
**RECORDER:** SCADA  
**TRANSMITTER:** VEGAPULS WL 61  
**PRIMARY:** 98" CONTRACTED RECT WEIR  
**MAXIMUM CAPACITY:** 12 MGD  
**SERVICE CONTRACT:** ANNUAL

---

**\*WORK PERFORMED\***

**CLEANED EQUIPMENT:** X      **PRIMARY:** X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** N/A  
**ERROR:** N/A      **CORRECTED ACCURACY:** N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0, 50 & 100%  
**ERROR:** 0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
ZEROED FLOW AND FLOW MEASUREMENTS  
**ERROR:** 0%      **CORRECTED ACCURACY:** ± 1%

---

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY.

**SERVICE REPRESENTATIVE:** ETHAN & BRANDON    **PERSON SEEN:** RICH LUTZ  
**copies-** em: Rich Lutz

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (717) 940-1987

**\*\*\*SERVICE REPORT\*\*\***

RICH LUTZ  
PENNSYLVANIA AMERICAN WATER  
100 CHESHIRE COURT  
COATESVILLE, PA 19320

**SERVICE DATE:** 4/11/2023  
**METER#:** C8317 AV  
**LOCATION:** FILTER 2 EFFLUENT  
**SERIAL #:** 40496882  
**MANUFACTURER:** VEGA  
**RECORDER:** SCADA  
**TRANSMITTER:** VEGAPULS WL 61  
**PRIMARY:** 98" CONTRACTED RECT WEIR  
**MAXIMUM CAPACITY:** 12 MGD  
**SERVICE CONTRACT:** ANNUAL

---

**\*WORK PERFORMED\***

**CLEANED EQUIPMENT:** X      **PRIMARY:** X

**\*RECORDER CALIBRATION\***      **CHECKED AT:** N/A  
**ERROR:** N/A      **CORRECTED ACCURACY:** N/A

**\*TOTALIZER CALIBRATION\***      **CHECKED AT:** 0, 50 & 100%  
**ERROR:** 0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
ZEROED FLOW AND FLOW MEASUREMENTS  
**ERROR:** 0%      **CORRECTED ACCURACY:** ± 1%

---

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY.

**SERVICE REPRESENTATIVE:** ETHAN & BRANDON      **PERSON SEEN:** RICH LUTZ  
**copies-** em: Rich Lutz

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (717) 940-1987

**\*\*\*SERVICE REPORT\*\*\***

RICH LUTZ  
PENNSYLVANIA AMERICAN WATER  
100 CHESHIRE COURT  
COATESVILLE, PA 19320

**SERVICE DATE:** 4/11/2023  
**METER#:** C8317 AW  
**LOCATION:** INFLUENT  
**SERIAL #:** 43325743  
**MANUFACTURER:** VEGA  
**RECORDER:** SCADA  
**TRANSMITTER:** VEGAPULSE WL 61  
**PRIMARY:** 3' PARSHALL FLUME  
**MAXIMUM CAPACITY:** 23 MGD  
**SERVICE CONTRACT:** ANNUAL

---

**\*WORK PERFORMED\***

**CLEANED EQUIPMENT:** X      **PRIMARY:** X

**\*RECORDER CALIBRATION\***      **CHECKED AT:** N/A  
**ERROR:** N/A      **CORRECTED ACCURACY:** N/A

**\*TOTALIZER CALIBRATION\***      **CHECKED AT:** 0, 50 & 100%  
**ERROR:** 0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
ZEROED FLOW AND FLOW MEASUREMENTS  
**ERROR:** 0%      **CORRECTED ACCURACY:** ± 1%

---

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY.

**SERVICE REPRESENTATIVE:** ETHAN & BRANDON      **PERSON SEEN:** RICH LUTZ  
**copies-** em: Rich Lutz

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555

PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/11/2023

**METER#:** AY

**LOCATION:** VICTORY BREWING

**SERIAL #:** H5000916000

**MANUFACTURER:** ENDRESS & HAUSER

**RECORDER:** N/A

**TRANSMITTER:** PROMAG 50

**PRIMARY:** 4" DUCTILE IRON

**MAXIMUM CAPACITY:** 500 GPM

**SERVICE CONTRACT:** Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** N/A

**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE

**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***

VOLUMETRIC DRAWDOWN

**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

**SERVICE REPRESENTATIVE:** BRANDON

**PERSON SEEN:** JAMES KELLY

**copies-** [James.Kelly@amwater.com](mailto:James.Kelly@amwater.com)

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/11/2023  
**METER#:** AW  
**LOCATION:** SADBURY TOWNSHIP  
**SERIAL #:** 00W011634/959035-0004  
**MANUFACTURER:** FISCHER & PORTER/PARTLOW  
**RECORDER:** MRC5000  
**TRANSMITTER:** 50XM  
**PRIMARY:** 4" DUCTILE IRON  
**MAXIMUM CAPACITY:** 2500 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

**SERVICE REPRESENTATIVE:** BRANDON  
**PERSON SEEN:** JAMES KELLY  
**copies-** [James.Kelly@amwater.com](mailto:James.Kelly@amwater.com)

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/11/2023  
**METER#:** AV  
**LOCATION:** WEST SADBURY TOWNSHIP  
**SERIAL #:** UM20010462/0140Y152426000004  
**MANUFACTURER:** ULTRA MAG/HONEYWELL  
**RECORDER:** DR4300  
**TRANSMITTER:** UM06-03  
**PRIMARY:** 4" DUCTILE IRON  
**MAXIMUM CAPACITY:** 250 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** -2.0%      **CORRECTED ACCURACY:** ±1%

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

**SERVICE REPRESENTATIVE:** BRANDON  
**PERSON SEEN:** JAMES KELLY  
**copies-** [James.Kelly@amwater.com](mailto:James.Kelly@amwater.com)

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/18/2023  
**METER#:** AU  
**LOCATION:** ROCK RUN  
**SERIAL #:** 5C017116000/A70BC123268  
**MANUFACTURER:** ENDRESS & HAUSER/ENDRESS & HAUSER  
**RECORDER:** RSG30  
**TRANSMITTER:** PROMAG50  
**PRIMARY:** 8" DUCTILE IRON  
**MAXIMUM CAPACITY:** 1000 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

**SERVICE REPRESENTATIVE:** BRANDON  
**PERSON SEEN:** JAMES KELLY  
**copies-** [James.Kelly@amwater.com](mailto:James.Kelly@amwater.com)

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/22/2023  
**METER#:** AA  
**LOCATION:** SANDY HILL  
**SERIAL #:** M073281304/UR30030-001  
**MANUFACTURER:** SPARLING/CHESELLE  
**RECORDER:** 392  
**TRANSMITTER:** FM626  
**PRIMARY:** 4" DUCTILE IRON  
**MAXIMUM CAPACITY:** 1182 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

**SERVICE REPRESENTATIVE:** BRANDON  
**PERSON SEEN:** JAMES KELLY  
**copies-** [James.Kelly@amwater.com](mailto:James.Kelly@amwater.com)

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

**\*\*\*SERVICE REPORT\*\*\***

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/22/2023  
**METER#:** AB  
**LOCATION:** MT CARMEL  
**SERIAL #:** 14224  
**MANUFACTURER:** EASTECH  
**RECORDER:** N/A  
**TRANSMITTER:** 2210  
**PRIMARY:** 6" MANHOLE FLUME  
**MAXIMUM CAPACITY:** 100 GPM  
**SERVICE CONTRACT:** Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** N/A  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
**ERROR:** 2.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

**SERVICE REPRESENTATIVE:** BRANDON  
**PERSON SEEN:** JAMES KELLY  
**copies-** [James.Kelly@amwater.com](mailto:James.Kelly@amwater.com)

**TheMeterGuy, LLC.**

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**\*\*\*SERVICE REPORT\*\*\***

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/22/2023  
**METER#:** AC  
**LOCATION:** VALLEY RD  
**SERIAL #:** 124616  
**MANUFACTURER:** EASTECH  
**RECORDER:** N/A  
**TRANSMITTER:** 2210  
**PRIMARY:** 24" LEOPOLD LAGCO  
**MAXIMUM CAPACITY:** 1000 GPM  
**SERVICE CONTRACT:** Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** N/A  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
**ERROR:** 1.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

**SERVICE REPRESENTATIVE:** BRANDON  
**PERSON SEEN:** JAMES KELLY  
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**\*\*\*SERVICE REPORT\*\*\***

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/22/2023  
**METER#:** AD  
**LOCATION:** CHARLES ST  
**SERIAL #:** 3490  
**MANUFACTURER:** BADGER METER  
**RECORDER:** N/A  
**TRANSMITTER:** 2100  
**PRIMARY:** LEOPOLD LAGCO  
**MAXIMUM CAPACITY:** 400 GPM  
**SERVICE CONTRACT:** Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** N/A  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
**ERROR:** 2.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/22/2023  
**METER#:** AE  
**LOCATION:** CARVER COURT  
**SERIAL #:** 9648  
**MANUFACTURER:** EASTECH  
**RECORDER:** N/A  
**TRANSMITTER:** 2100  
**PRIMARY:** 6" PALMER BOWLUS  
**MAXIMUM CAPACITY:** 200 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** N/A  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

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\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/22/2023  
**METER#:** AF  
**LOCATION:** BRANFORD VILLAGE #1  
**SERIAL #:** 1272/D24662-001-01-01  
**MANUFACTURER:** FLOMOTION/FISCHER & PORTER  
**RECORDER:** 392  
**TRANSMITTER:** BE6300  
**PRIMARY:** 4" DUCTILE IRON  
**MAXIMUM CAPACITY:** 1200 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** -1.0%      **CORRECTED ACCURACY:** ±1%

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/22/2023  
**METER#:** AG  
**LOCATION:** BRANFORD VILLAGE #2  
**SERIAL #:** M102801606  
**MANUFACTURER:** SPARLING  
**RECORDER:** N/A  
**TRANSMITTER:** FM656  
**PRIMARY:** 4" DUCTILE IRON  
**MAXIMUM CAPACITY:** 1000 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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**\*\*\*SERVICE REPORT\*\*\***

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/22/2023  
**METER#:** AH  
**LOCATION:** PROVIDENCE HILL  
**SERIAL #:** 7403BB16000/UR32827-001-01-01-19-05  
**MANUFACTURER:** ENDRESS & HAUSER/CHESELL  
**RECORDER:** 392  
**TRANSMITTER:** PROMAG 50  
**PRIMARY:** 6" DUCTILE IRON  
**MAXIMUM CAPACITY:** 500 GPM  
**SERVICE CONTRACT:** Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/22/2023  
**METER#:** AI  
**LOCATION:** NORTHWOODS  
**SERIAL #:** 8603CE16000/UR36143-001-01-01-27-06  
**MANUFACTURER:** ENDRESS & HAUSER/CHESELL  
**RECORDER:** 392  
**TRANSMITTER:** PROMAG 50  
**PRIMARY:** 2" PVC  
**MAXIMUM CAPACITY:** 100 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/25/2023  
**METER#:** AJ  
**LOCATION:** ROBINS COVE  
**SERIAL #:** 65032316000/UR29786-003-02-02-29-04  
**MANUFACTURER:** ENDRESS & HAUSER/CHESELL  
**RECORDER:** 392  
**TRANSMITTER:** PROMAG 50  
**PRIMARY:** 6" DUCTILE IROM  
**MAXIMUM CAPACITY:** 1000 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** -2.0%      **CORRECTED ACCURACY:** ±1%

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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**\*\*\*SERVICE REPORT\*\*\***

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/25/2023  
**METER#:** AK  
**LOCATION:** DERRY LANE  
**SERIAL #:** 005315N176/UR36602-002-01-01-39-06  
**MANUFACTURER:** SIEMENS/CHELSELL  
**RECORDER:** 392  
**TRANSMITTER:** MAG5000  
**PRIMARY:** 4" DUCTILE IRON  
**MAXIMUM CAPACITY:** 200 GPM  
**SERVICE CONTRACT:** Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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**PERSON SEEN:** JAMES KELLY  
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TheMeterGuy, LLC.

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PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/25/2023  
**METER#:** AL  
**LOCATION:** BRINTON STATION  
**SERIAL #:** M166793312/D22024-001-01-01-1301-C6  
**MANUFACTURER:** SPARLING/CHESELL  
**RECORDER:** 392  
**TRANSMITTER:** FM656  
**PRIMARY:** 200 GPM  
**MAXIMUM CAPACITY:** 2"  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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**PERSON SEEN:** JAMES KELLY  
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**\*\*\*SERVICE REPORT\*\*\***

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/28/2023  
**METER#:** AN  
**LOCATION:** MOUNT AIRY  
**SERIAL #:** 21814169  
**MANUFACTURER:** OMEGA  
**RECORDER:** N/A  
**TRANSMITTER:** TUF-2000B  
**PRIMARY:** 4" DUCTILE IRON  
**MAXIMUM CAPACITY:** 200 GPM  
**SERVICE CONTRACT:** Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** N/A  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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TheMeterGuy, LLC.

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\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/28/2023  
**METER#:** AO  
**LOCATION:** HIGHVIEW PUMP 1  
**SERIAL #:** 18818435  
**MANUFACTURER:** OMEGA  
**RECORDER:** N/A  
**TRANSMITTER:** TUF-2000M  
**PRIMARY:** 4" DUCTILE IRON  
**MAXIMUM CAPACITY:** 250 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** N/A  
**ERROR:** 1.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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**\*\*\*SERVICE REPORT\*\*\***

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/28/2023  
**METER#:** AP  
**LOCATION:** HIGHVIEW PUMP 2  
**SERIAL #:** 18820994  
**MANUFACTURER:** OMEGA  
**RECORDER:** N/A  
**TRANSMITTER:** TUF-2000M  
**PRIMARY:** 4" DUCTILW IRON  
**MAXIMUM CAPACITY:** 250 GPM  
**SERVICE CONTRACT:** Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** N/A  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** -1.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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**\*\*\*SERVICE REPORT\*\*\***

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/28/2023  
**METER#:** AQ  
**LOCATION:** VALLEYVIEW  
**SERIAL #:** 21831520  
**MANUFACTURER:** OMEGA  
**RECORDER:** N/A  
**TRANSMITTER:** TUF-2000B  
**PRIMARY:** 2" STEEL  
**MAXIMUM CAPACITY:** 100 GPM  
**SERVICE CONTRACT:** Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** N/A  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

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\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/29/2023  
**METER#:** AR  
**LOCATION:** ROUND HILL 2  
**SERIAL #:** R30B3416000/EB0BBC23268  
**MANUFACTURER:** ENDRESS & HAUSER/ENDRESS & HAUSER  
**RECORDER:** RSG30  
**TRANSMITTER:** PROMAG  
**PRIMARY:** 4" DUCTILE IRON  
**MAXIMUM CAPACITY:** 150 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

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\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

SERVICE DATE: 09/29/2023  
METER#: AS  
LOCATION: ROUND HILL 1  
SERIAL #: M113790507  
MANUFACTURER: SPARLING  
RECORDER: N/A  
TRANSMITTER: FM565  
PRIMARY: 6" DUCTILE IROM  
MAXIMUM CAPACITY: 500 GPM  
SERVICE CONTRACT: Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    CHECKED AT: N/A  
ERROR: 0.0%      CORRECTED ACCURACY: ±N/A

**\*TOTALIZER CALIBRATION\***    CHECKED AT: 0 & OPERATING RATE  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
ERROR: -1.0%      CORRECTED ACCURACY: ±1%

COMMENTS:    LEFT EQUIPMENT OPERATING PROPERLY

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\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/29/2023  
**METER#:** AT  
**LOCATION:** MILLVIEW  
**SERIAL #:** M054225102/UR24631-001-01-01-03-03  
**MANUFACTURER:** SPARLING/CHESELL  
**RECORDER:** 392  
**TRANSMITTER:** FM626  
**PRIMARY:** 3" DUCTILE  
**MAXIMUM CAPACITY:** 400 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** 0, 25, 50, 75, & 100%  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

**SERVICE REPRESENTATIVE:** BRANDON  
**PERSON SEEN:** JAMES KELLY  
**copies-** [James.Kelly@amwater.com](mailto:James.Kelly@amwater.com)

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

**SERVICE DATE:** 09/29/2023  
**METER#:** AX  
**LOCATION:** QUEBECOR PS  
**SERIAL #:** M078792904  
**MANUFACTURER:** TIGER MAG EP  
**RECORDER:** N/A  
**TRANSMITTER:** FM626  
**PRIMARY:** 4" DUCTILE IRON  
**MAXIMUM CAPACITY:** 500 GPM  
**SERVICE CONTRACT:** Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    **CHECKED AT:** N/A  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±N/A

**\*TOTALIZER CALIBRATION\***    **CHECKED AT:** 0 & OPERATING RATE  
**ERROR:** 0.0%      **CORRECTED ACCURACY:** ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
**ERROR:** -1.0%      **CORRECTED ACCURACY:** ±1%

**COMMENTS:** LEFT EQUIPMENT OPERATING PROPERLY

**SERVICE REPRESENTATIVE:** BRANDON  
**PERSON SEEN:** JAMES KELLY  
**copies-** [James.Kelly@amwater.com](mailto:James.Kelly@amwater.com)

## **E. PAWC Sewer Use Rules and Regulations and Industrial Use Survey**

PENNSYLVANIA-AMERICAN WATER COMPANYRULES AND REGULATIONS**Section A – DEFINITIONS**

The following words and phrases, when used in this tariff, shall have the meanings assigned below unless the context clearly indicates otherwise:

1. **Applicant:** A person, association, partnership, corporation, municipality, authority, state or federal governmental agency or other entity who applies to become a customer of the Company in accordance with Section C, of this tariff.
2. **B.O.D. (Biochemical Oxygen Demand):** The quantity of oxygen, expressed in milligrams per liter, utilized in the biochemical oxidation of organic matter under the standard laboratory procedure for five (5) days at twenty (20) degrees Centigrade. The standard laboratory procedure shall be that found in the latest approved edition of "Standard Methods for the Examination of Water and Sewage" published by the American Public Health Association, the American Water Works Association, and/or the Water Pollution Control Federation.
3. **Capacity Reservation fee:** A fee charged by the Company for the allocation of capacity on a per EDU basis.
4. **Combined Sewer:** A sewage collection system which conveys both sanitary sewage and storm water flow.
5. **Commission:** The Pennsylvania Public Utility Commission.
6. **Company:** Pennsylvania-American Water Company and its duly authorized officers, agents and employees, each acting within the scope of his authority and employment.
7. **Company Service Line:** Company owned wastewater service line from the sewer main of the Company which connects to the Customer Service Line at the edge of the right-of-way or actual property line.
8. **Customer:** A person or entity who is an owner, occupant or who contracts with the Company for or who takes or receives wastewater collection, treatment and/or disposal service.
9. **Customer Service Line:** Customer owned wastewater service line extending from the end of the Company Service Line or connection to and within the customer's premise.
10. **Domestic Wastewater:** The liquid waste or liquid borne waste: (1) resulting from the non-commercial preparation, cooking and handling of food; (2) consisting of human excrement; or (3) consisting of wastewater, non-commercial laundering water, domestic housekeeping wastewater, and similar types of wastes from sanitary uses, whether generated in residences or sanitary facilities in commercial or industrial facilities, but does not include any storm water or ground water introduced from facilities such as roof leaders, sump pumps, floor drains or industrial wastewater.
11. **Dwelling Unit:** A structure or dwelling intended to be occupied as a whole by one family.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section A – DEFINITIONS (cont'd)**

12. **Equivalent Dwelling Units (EDU):** The EDU is a measure based upon the estimated average daily wastewater flow for the type of business, as calculated by the PaDEP Regulation at 25 Pa Code: 73.17 divided by the typical estimated average daily wastewater flow from a current single-family unit.
13. **Garbage:** The solid wastes from domestic cooking and dispensing of food, and from the handling and storage of produce.
14. **Garbage Properly Shredded:** The term "Properly Shredded Garbage", as used herein, shall mean the wastes from the preparation, cooking, and dispensing of food that have been shredded to such degree that all particles will be carried freely under the flow conditions normally prevailing in public sewers, with no particle greater than one-half inch in dimension.
15. **Grinder pump:** Any mechanical or powered device, owned by the Customer, used to grind, macerate or fluidize garbage so that it can be discharged into the Sanitary Sewer.
16. **Industrial/Commercial Wastes:** Any liquid, gaseous or water borne wastes from industrial processes or commercial establishments, as distinct from domestic wastewater.
17. **Industrial/Commercial Waste Permit:** A wastewater permit issued as required by the Company to an Industrial/Commercial user which discharges Industrial/Commercial Waste.
18. **Industrial/Commercial Waste Pretreatment Program:** A program established by the Company that requires industrial and commercial dischargers to monitor, test, treat and control as necessary pollutants in their wastewater prior to discharge into the Sanitary or Combined Sewer.
19. **Line extension (for line extension purposes):** An addition to the Company's main line which is necessary to serve the premises of a Customer. Refer to Section H.
20. **Main:** The Company's pipe, excluding service connections, located in a public highway, street, alley or private right-of-way which pipe is used in transporting wastewater.
21. **Meter:** Any device supplied by the Company or other for the purpose of measuring water consumption or wastewater discharge.
22. **Nonresidential Service:** Wastewater service supplied to a commercial or industrial building, including a hotel or motel, or to a master-metered trailer park or multi-tenant apartment building, or to any customer who purchases wastewater service from the Company for the purpose of resale.
23. **Pretreatment:** The application of physical, chemical and/or biological processes to reduce the amount pollutants in, or alter the nature of the polluting properties of, an industrial/commercial process wastewater prior to discharging such wastewater into the Sanitary or Combined Sewer.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section A – DEFINITIONS (cont'd)**

24. **Public Utility:** Persons or corporations owning or operating equipment or facilities in this Commonwealth for water, electric or wastewater collection, treatment, or disposal for the public for compensation.
25. **Residential Applicant:** A natural person at least 18 years of age not currently receiving service who applies for residential service provided by the Company or any adult occupant whose name appears on the mortgage, deed or lease of the property for which the residential utility service is requested. A Residential Applicant does not include a person who, within 30 days after service termination or discontinuance of service, seeks to have another service reconnected at the same location or transferred to another location within the Company's service territory.
26. **Residential Customer:** A natural person at least 18 years of age in whose name a residential service account is listed and who is primarily responsible for payment of bills rendered for the service or any adult occupant whose name appears on the mortgage, deed or lease of the property for which the residential utility service is requested. A Residential Customer includes a person who, within 30 days after service termination or discontinuance of service, seeks to have service reconnected at the same location or transferred to another location within the Company's service territory.
27. **Residential Service:** Wastewater service supplied to an individual single-family residential dwelling unit.
28. **Regulatory Agency:** Agencies, including but not limited to the Commission, the Pennsylvania Department of Environmental Protection (DEP), U.S. Environmental Protection Agency (EPA), which have authority over the operations of and/or discharges into and/or from the Company's treatment facilities
29. **Sanitary Sewer:** A sewer which primarily carries sanitary wastewater, together with such storm, surface and ground water as may be present.
30. **Storm Sewer:** A sewer which carries surface, ground water, or storm water from the buildings, ground, streets, or other areas.
31. **Storm Water Flow:** Any flow occurring during or following any form of natural precipitation, and resulting from such precipitation, including snowmelt.
32. **Suspended Solids:** Solids that either float on the surface of, or are in suspension in water, wastewater, or other liquids, and which are largely removable by filtration.
33. **Tariff:** All of the service rates, rules and regulations issued by the Company, together with any supplements or revisions thereto, officially approved by the Commission and contained in this document.
34. **Toxic Substances:** Any substances where gaseous, liquid or solid waste which, when discharged to a public sewer in sufficient quantities, will be detrimental to any biological wastewater treatment process, constitute a hazard to human beings or animals, inhibit aquatic life, or create a hazard to recreation in receiving waters of the effluent from a wastewater treatment plant, or as defined pursuant to PL 92500 (Federal Water Pollution Control Act Amendments of 1972) or its amendments.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section A – DEFINITIONS (cont'd)**

35. **Unauthorized Use of Service:** Unreasonable interference or diversion of service, including meter tampering (any act which affects the proper registration of service through a meter), by-passing unmetered service that flows through a device connected between a main or service line and customer-owned facilities, unauthorized service restoration, unauthorized stormwater/groundwater connection to Sanitary or Combined Sewer, or the otherwise taking or receiving of wastewater service without the knowledge or approval of the Company.

36. **Wastes:** Any liquid, gaseous, or solid substances or combination thereof which are discarded, leached, or spilled substances or combination thereof including sanitary wastewater but excluding storm-water.

37. **Wastewater:** The liquid and water-carried wastes from dwellings, commercial facilities, industrial facilities and institutions, together with any groundwater, surface water, and storm water that may be present, whether treated or untreated, in the Company's sewer system.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section B – The Wastewater Tariff**

**1. Filing and Availability**

A copy of this Tariff, which is the rates, rules and regulations under which wastewater service will be supplied by the Company to its Applicants and Customers in Pennsylvania, is on file with the Pennsylvania Public Utility Commission, and is available and open for inspection at the offices of the Company.

**2. Revisions**

This Tariff may be revised, amended, supplemented and otherwise changed from time to time in accordance with the Pennsylvania "Public Utility Code," and such changes, when effective, shall have the same force and effect as the present Tariff.

**3. Applications of Tariff**

The Tariff provisions apply to any party or parties applying for or receiving service from the Company, including Unauthorized Use of Service.

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RULES AND REGULATIONS**Section C - Applications for Service**

- 1. Service Application Required:** Any Applicant who wishes to receive wastewater service from the Company under this Tariff must contact the Company and complete an application for service. Applications for service may be made by completing a written application, by telephoning the Company, or through application via the Company's website on the Internet. All applications for service must be signed by the owner or owners of the property to which wastewater collection service will be provided; except that where a lessee of property occupies or uses the property under a lease having a fixed term of more than six (6) months, the lessee may request service as an applicant. The Company may, at its sole discretion, require that a separate contract for service be signed by the applicant.

Prior to providing utility service, the Company may require the Applicant to provide: (1) information that positively identifies him/her self; (2) the name of any adult occupant whose name appears on the mortgage, deed or lease of the property for which the residential utility service is requested; (3) the names of each adult occupant residing at the location, and proof of their identity; or (4) a cash deposit, as may be required in accordance with Section G of this Tariff.

In the case of Residential Applicants, the Company may ask for the combined gross income of all adult occupants at the time the application for service is made; however, the Residential Applicant is not required to provide the information as a condition of receiving wastewater service, unless such applicant is seeking to enroll in the Company's *Help to Others Program*.

Non residential service customers which desire to discharge Industrial/Commercial Wastes into the Sanitary Sewer or existing industrial/commercial users which desire to commence operations of a new facility or a new or different process that will affect the characteristics of the wastewater discharging into the Sanitary Sewer, shall notify the Company prior to the commencement of the new or different operations at the facility and provide such other information regarding the proposed discharge as the Company may request, including an application for an Industrial Waste Discharge Permit when deemed necessary.

- 2. Change in Ownership or Tenancy:** A new application must be made to the Company upon any change in ownership where the owner of the property is the Customer, or upon any change in the identity of a lessee where the lessee of the property is the Customer. The Company shall have the right to discontinue or otherwise interrupt wastewater collection service upon three (3) days notice if a new application has not been made and approved for the new customer.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section C - Applications for Service (cont'd)**

3. **Acceptance of Application and Right to Reject:** An application for service shall be considered accepted by the Company only upon written approval by the Company. All regulatory requirements shall be met before Company can provide approval. The Company may limit the amount or character of service it will supply, or may reject applications for service for the following reasons: requested service is not available under a standard rate; requested service may affect service to other customers; for a non-Residential Applicant's or non-Residential Customer's failure to establish Creditworthiness; for failure to address prior Company debts; for the Applicant's failure to provide identifying documentation of the Applicant and each adult occupant residing at the location; when identifying documentation cannot be verified; for the reasons set forth in Section D, paragraph 5, or for other good and sufficient reasons.
  
4. **Temporary Service:** In the case of temporary service for less than a 12-month period, the Company may require the Customer to pay all costs of making the service connection and for its removal after the service has been discontinued, or to pay a fixed amount in advance to cover such expenses. If the actual costs differ from the estimate, the Applicant will pay to the Company any excess amount due or the Company will refund to the Applicant any excess amount paid.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section D - Construction and Maintenance of Facilities**

1. **Customer Service Line:** The Customer service line shall be furnished, installed, maintained and/or replaced, when necessary, by and at the sole expense of the Customer. The Company reserves the right to determine the size, type, quality, depth, and connection location of the customer service lines. Prior to connection to the Company service line, the Customer, at their sole cost, shall have the Customer service line air pressure tested and checked for alignment by a Company approved qualified person under the supervision of a Company representative.
2. **Separate Trench:** The customer wastewater service line shall not be laid in the same trench with drain or water pipe, the facilities of any other public utility or of any municipality or municipal authority that provides a public utility service.
3. **Customer's Responsibilities:** All service lines, connections and fixtures furnished by the customer shall be maintained by the Customer in good working order. All valves, meters and appliances furnished by the Company and on property owned or leased by the Customer shall be protected properly by the customer. All leaks in the Customer service line or any pipe or fixtures in or upon the customer's premises must be repaired immediately by the Customer as determined solely by the Company. The failure of a Customer to properly install and maintain a service line, including replacement, shall constitute grounds for the Company to initiate action to terminate service to the customer and seek recovery for any damage to the Company's facilities caused by an improperly functioning service line. For Customers who also receive water service from the Company, where an undetected, non-surfacing, underground leak is found in a Customer's Water Service Pipe, the Company shall credit the Customer with a one-time bill adjustment for wastewater service equal to forty percent (40%) of that portion of one month's consumption that exceeds the average monthly usage, based on the prior twelve month period, upon proper verification that the Water Service Pipe leak has been repaired. The Company shall require documentation to establish, to the Company's satisfaction, the existence of such repaired leak at the Customer's premises. Such bill adjustment will be provided only to the extent the Customer has not received a bill adjustment for an undetected, non-surfacing, underground leak at the same premises in the past five (5) years.
4. **Customer Grinder Pump:** In areas of the collection system where the Company has installed a pressure sewage collection system or where required as determined by the Company, the Customer, in conjunction with the construction of their service line, shall install, own, operate, and maintain and replace a grinder pump and holding tank at the Customer's expense as specified by the Company prior to connection and shall maintain such facilities in good order and repair. The pump shall meet specifications as provided by the Company. The failure of a customer to properly install and maintain a grinder pump, including replacement, shall constitute grounds for the Company to initiate action to terminate service to the customer and seek recovery for any damage to the Company's facilities caused by an improperly functioning grinder pump.
5. **Right to Reject:** The Company may refuse to connect with any customer service line or furnish wastewater collection, treatment and/or disposal through a service already connected if such system or service is not properly installed or maintained.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section D – Construction and Maintenance of Facilities (cont'd)**

6. **Water Use Standards for Certain Plumbing Fixtures:** This rule establishes maximum water use criteria for certain plumbing fixtures installed in all new construction or renovation. Such standards have been implemented to achieve maximum efficiency of water use which the Commission has determined is technologically feasible and economically justified.

(a) Maximum permitted water usage levels shall be as follows:

<u>Plumbing Fixture</u>	<u>Maximum Water Use</u>
water closets	1.6 gallons/flush
urinals	1.5 gallons/flush

(b) The Company may exempt particular customers, or classes of customers, when it is determined that the water use standards for plumbing fixtures listed above are unreasonable, cannot be accommodated by existing technology or are otherwise inappropriate.

7. **Individual Service Lines:** Except as otherwise expressly authorized by the Company, each individual customer shall be served only through a separate service line connected directly to the Company Service Line, and that Customer Service Line shall not cross over the property of or serve any other customer or premise. The maximum service line length shall be two hundred and fifty (250) feet from the point of connections with clean-outs every 50 feet. The Company shall have the right to waive this maximum length requirement at its sole discretion. No additional attachment may be made to any Customer Service Line for any purpose without the express written approval of the Company.

8. **Connection to Company Mains:** No connection shall be made to the Company's main, nor detachment from it, except under the direction and control of the Company. All such connections shall be property of the Company and shall be accessible to it and under its control. The Company will furnish, install and maintain all service lines from the main to the property line or right-of-way.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section E - Discontinuance, Termination and Restoration of Service**

**1. Discontinuance by Customer:** Where a customer requests the Company to discontinue service, the following rules shall apply:

(a) A customer who wishes to have service discontinued shall give at least three (3) days notice to the Company, specifying the date on which service is to be discontinued. In the absence of proper notice, the Customer shall be responsible for all service rendered until the time that the Company shall have actual or constructive notice of the Customer's intent to discontinue service. The Customer shall not begin to use nor cease to use wastewater service without the prior consent of the Company.

**2. Termination by Company:** Wastewater and/or water service to the Customer may be terminated for good cause, including, but not limited to, the following:

- (a) making an application for wastewater service that contains material misrepresentations;
- (b) failure to repair leaks in sewer pipes or fixtures;
- (c) Unauthorized Use of Service, tampering with any Company Service Line, or installing or maintaining any unauthorized connection;
- (d) theft of sewer service, which shall include taking service without having made a proper application for service under Section C;
- (e) failure to pay, when due, any charges accruing under this tariff;
- (f) discharge of any prohibited substance listed in Section R into the wastewater system;
- (g) receipt by the Company of an order or notice from the Department of Environmental Protection, a health agency, local plumbing inspector or other similar authority, to terminate service to the property served on the grounds of violation of any law or ordinance, or upon notice to the Company from any such authority that has ordered an existing violation on the property to be corrected and that such order has not been complied with or
- (h) material violation of any provisions of the tariff;
- (i) failure to permit access to meters, service connection or other property of the Company for the purpose of replacements, maintenance, operation or repair of meter reading device after proper notice;
- (j) failure to properly install and maintain a grinder pump, including its replacement when improperly functioning as solely determined by the Company;

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section E - Discontinuance, Termination and Restoration of Service (cont'd)****2. Termination by Company (cont'd)**

- (k) any unauthorized, un-inspected, or improper connection, as herein defined, found to exist will be required to be disconnected within ten (10) days. The Company may require a plumber's sworn statement or certificate as evidence that the connection has been discontinued;
- (l) Not abiding by the provisions of the Company's Industrial/ Commercial Waste Pretreatment Program;
- (m) Failure to remove direct connections to the Customer Service Line that allow surface, subsurface, storm water, or roof run off water into the Sanitary Sewer;
- (n) Not complying with any part of this tariff;
- (o) Supplying sewer service to other units, buildings or premises when Capacity Reservation Fees have not been paid for in accordance with tariff;
- (p) For termination of water service by Company in accordance with the Company's water tariff on file with the Commission;
- (q) For Customer's tendering payment for reconnection of service that is subsequently dishonored, revoked, canceled or otherwise not authorized and which has not been cured or otherwise made in full payment within three business days of the Company's notice; or
- (r) After receiving a written termination notice from the Company, for Customer's tendering payment which is subsequently dishonored under 13 Pa. C.S. § 3502, or, in the case of an electronic payment, that is subsequently dishonored, revoked, canceled or otherwise not authorized and which has not been cured or otherwise made in full payment within three business days of the Company's notice.

In order to terminate wastewater service, the Company can at its discretion install a shut off valve on the Company's Service Line to terminate service. The cost for the installation of the shut off valve and all the other charges accruing under this tariff shall be paid to the Company before service is restored.

**3. Turn-on Charge:** Whenever service is discontinued or terminated pursuant to Rule 1 or Rule 2 of this Section, service shall be permitted by the Company only upon the payment by the Customer of a turn-on fee and the curing of the problem that gave rise to the terminations if under Rule 2. Refer to Schedule of Miscellaneous Fees and Charges; section C for Service Reconnection and Discontinuance Fee.

**4. Service Restoration Following Termination of Service:** When wastewater service to any premise has been terminated by Company for any reason, it will be restored only after the conditions, circumstances, or practices which caused the wastewater service to be terminated are corrected and all applicable arrearages, deposits and fees paid.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section F - Billing and Collection**

1. **Billing Period:** The Company shall render a bill once every billing period to every Customer in accordance with approved rate schedules. The due date for payment of a bill for Residential and Non-Residential service shall be no less than twenty (20) days from the date of transmittal. If the last day for payment falls on a Saturday, Sunday or bank holiday, or on any day when the offices of the Company are not open to the general public, the due date shall be extended to the next business day. The Company may not impose a late-payment charge unless payment is received more than five (5) days after the stated due date.
2. **Late-Payment Charge:** All amounts not paid when due shall accrue a late-payment charge at the rate not to exceed one and fifty one-hundredths percent (1.50%) per billing period, not to exceed eighteen percent (18%) per year when not paid as prescribed in Rule 1 of this Section. (C)
3. **Change in Billing Address:** Where a customer fails to notify the Company of a change in billing address, the Customer shall remain responsible to remit payment by the billing due date.
4. **Application of Payment:** Utility bills rendered by the Company shall include only the amount due for utility service. Where a customer remittance to the Company includes payment for any non-utility services, proceeds will be applied first to pay all outstanding regulated utility charges.
5. **Return Check Fee:** The customer will be responsible for return check fee as provided in the Schedule of Miscellaneous Fees and Charges section of the tariff, per incident where a check or automatic transfer of funds, which has been presented to the Company or its agent for payment of any bill, is returned by the bank for any reason including, but not limited to, non-sufficient funds, account closed, payment stopped, two signatures required, postdated, stale date, no account, drawn against uncollected funds, and unauthorized signature. This fee is in addition to any and all charges assessed by the bank.
6. **Disputed Bills:** In the event of a dispute between the Customer and the Company with respect to any bill, the Company will promptly make such investigation as may be required by the particular case and report the result to the Customer. The Customer is not obligated to pay the disputed amount during the pendency of the Company's investigation. When the Company has made a report to the Customer sustaining the bill as rendered, the Customer shall have fifteen (15) days from the date of such report in which to pay the bill. If the Company determines that the bill originally rendered is incorrect, the Company will issue a corrected bill with a new due date for payment. Any amount received by the Company in excess of the amount determined to be due by the Company's investigation of the dispute shall be refunded to the Customer.

(C) means Change

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section G – Credit/Deposits****1. Customer's Liability for Charges:**

The Customer who has made application for wastewater service to any premise shall be held liable for all wastewater service furnished to such premise until such time as the Customer properly notifies the Company to discontinue the service for this account.

**2. Prior Company Debts:**

(a) Service will not be furnished to former Customers until any indebtedness to the Company for previous service of the same or similar classification has been satisfied or a payment arrangement has been made on the debt. This rule does not apply to the disputed portion of disputed bills under investigation. The Company will apply this rule to the disputed portion of disputed bills, if, and only if: (1) the Company has made diligent and reasonable efforts to investigate and resolve the dispute; (2) the result of the investigation is that the Company determines that the customer's claims are unwarranted or invalid; and (3) the Commission and/or the Bureau of Consumer Services has decided a formal or informal complaint in the Company's favor and no timely appeal is filed.

(b) The Company may utilize means in accordance with applicable law of determining an Applicant's or Customer's liability for any indebtedness to the Company for previous service, including, but not limited to, the following: (1) use of Company records that containing confidential information previously provided to the Company for service; (2) information contained on a valid mortgage, lease or deed; (3) other information contained in the Company's records that indicate that the Applicant was an adult occupant during the time the prior debt accrued; (4) use of commercially available skip tracing software that contains records of names and addresses; and (5) use of information contained in credit reporting data utilized by the Company.

**3. Residential Customers' Deposits:** The Company may charge deposits to Residential Applicants and Residential Customers as permitted by Commission statutes, rules regulations, and as permitted by Federal Bankruptcy Law.

- (a) . Deposits may be required from a Residential Applicant who is unable to establish Creditworthiness to the satisfaction of the Company through the use of a generally accepted credit scoring methodology which employs standards for using the methodology that falls within the range of general industry practice and specifically assess the risk of public utility bill payment.
- (b) Deposits may be required from a Residential Customer who fails to comply with the material terms or conditions of a settlement or payment arrangement or is delinquent in the payment of two consecutive bills, or three or more bills within the preceding twelve months.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section G – Credit/Deposits (cont'd)****3. Residential Customers' Deposits (cont'd):**

- (c) Prior to reconnection of service, deposits may be required from a Residential Applicant or Residential Customer whose service was terminated for any of the following reasons: (a) nonpayment of an undisputed delinquent account; (b) failure to complete payment of a deposit, providing a guarantee or establish credit; (c) failure to permit access to meters, service connections or other property of Company for the purpose of replacement, maintenance, repair or meter reading; (d) Unauthorized Use of Service on or about the affected dwelling; (e) failure to comply with the material terms of a settlement or payment arrangement; (f) fraud or material misrepresentation of identity for the purposes of obtaining utility service; (g) tampering with meters, including, but not limited to, bypassing a meter or removal of an automatic meter reading device or other Company equipment; or (h) violating tariff provisions on file with the Commission so as to endanger the safety of a person or the integrity of the Company's water distribution system.
- (d) Deposit Amount and Payment Period - For Residential Applicants or Customers, the cash deposit required shall be in an amount equal to 1/6 of an Applicant's or Customer's estimated annual bill at the time the Company determines the deposit is required. Any Residential Applicant or Customer shall have up to 90 days to pay the deposit in full and may elect to pay the required deposit in three installments: 50% bill upon the determination that the deposit is required; 25% billed 30 days after the determination; and 25% billed 60 days after the determination. The Residential Applicant or Customer may elect to pay the deposit in full before the due date.
- (e) Deposit Refunds and Interest—A deposit will be refunded if service is discontinued and the final bill is paid or if the customer has paid the bills for the prior 12-month period without having been late on more than two (2) occasions and is not currently delinquent. Interest on deposits will be accrued until is returned to the Customer or upon termination or discontinuance of the service covered by the deposit. Deposits from residential customers shall bear simple interest at the rate determined by the Secretary of Revenue for interest on the underpayment of tax under section 806 of The Fiscal Code (72 P.S. § 806). The applicable interest rate for each year shall be determined as of January 1 of that year.

**4. Nonresidential Customers' Deposits:**

- (a) The Company may charge deposits to Non-Residential Applicants and Non-Residential Customers if they have bad credit, lack Creditworthiness, or for other reasonable grounds determined by the Company, and as permitted by Federal Bankruptcy Law.
- (b) The amount of the deposit will not be greater than an estimated average bill for one (1) billing period plus the estimated bill for one (1) additional month's service.
- (c) Deposit Refunds and Interest— A deposit will be refunded if the customer pays all bills on time over a 12-month period or if service is disconnected and the final bill has been paid. There will be no interest paid on deposits for nonresidential accounts.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section H - Line Extensions for Applicants other than Bona Fide Service Applicants**

1. When an extension to serve a Customer is required or requested, such extension will be made under the terms of a "Sewer Main Extension Agreement" or a "Sewer Main Extension Deposit Agreement".
2. Customer shall contribute all facilities required for the Company to directly connect the Customer to the Sanitary Sewer. This includes pumping stations, vaults, manholes, mains or any other apparatuses where applicable. The Company shall have the right to locate the facilities as required to meet the long term system needs of the Customers.
3. Customer shall also pay a capacity reservation fee to the Company for each proposed equivalent dwelling unit.
4. **Size of Main and Other Facilities:** The Company shall have the exclusive right to determine the type and size of mains and the other facilities required to render adequate service. However, where the Company decides to install a pipe larger than necessary to render extension of adequate service to the applicant, estimated or actual cost figures in the Sewer Main Extension Agreement or Sewer Main Extension Deposit Agreement shall include only the material and installation cost for a pipe the size of which is necessary to provide adequate service to the applicant. Any incremental costs of a larger pipe will be the responsibility of the Company. All estimated or actual cost figures referred to in the Sewer Main Extension Agreement or Sewer Main Extension Deposit Agreement shall include a reasonable allowance for overhead costs and taxes as appropriate.
5. **Length of Extension:** In determining the necessary length of an extension, the terminal point of such extension shall be at that point in the property line or right-of-way, which is equidistant from the side property lines of the last lot for which service was requested except where the Company, in its sole opinion, determines that it is necessary to extend beyond the last lot and connect to an existing main to provide adequate and reliable wastewater service. A street service connection will be provided only for customer service lines that extend at right angles from the curb line in a straight line to the premises to be served.
6. **Offsite Development Marketing Contracts:** Where it is prudent, reasonable and in the public interest, the Company may, at its option enter into offsite development marketing contracts which depart from the standard terms of the "Sewer Main Extension Agreement" or "Sewer Main Extension Deposit Agreement". These marketing agreements shall become effective 30 days after the Company has filed a copy thereof with the Pennsylvania Public Utility Commission, or in the event that the Commission institutes an investigation, at such time as the Commission grants its approval thereof.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section I- Service Continuity**

1. **Regularity of Service:** The Company may, at any time, shut off service in case of accident or for the purpose of making connections, alterations, repairs or changes, or for other reasons. The Company will, pursuant to Commission regulations at 52 Pa. Code '67.1 and as circumstances permit, notify customers to be affected by service interruptions.

2. **Liability for Damages:**

(a) **Limitation of Damages for Service Interruptions:** The Company's liability to a customer for any loss or damage from any excess or deficiency in the wastewater collection service due to any cause other than willful misconduct or negligence by the Company, its employees or agents shall be limited to an amount no more than the Customer charge or minimum bill for the period in question. The Company will undertake to use reasonable care and diligence in order to prevent and avoid interruptions and fluctuations in service, but cannot and does not guarantee that such will not occur.

(b) **Responsibility for Customer Facilities:** The Company shall not be liable for any loss or damage caused by reason of any break, blockage, leak or other defect in a Customer's service line, fixtures or other installations, except where the damage is a result of the negligence or willful misconduct of the Company, its employees or agents. The Company shall in no event be responsible for maintenance of, or for damage done by sewage escaping from a blockage of the customer's service line or any other pipe or fixture, or from any other cause occurring to any premise or within any house or building.

(c) When the Company incurs costs and the blockage or defect is determined to be on the customer's service line, the Company may request reimbursement and the Customer is responsible to reimburse the Company for associated costs.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

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**RULES AND REGULATIONS**

**Section J– Waivers**

The Company may, at its sole discretion, waive any of the Rules contained herein that operate for the benefit of the Company; provided, that no such waiver will be valid unless in writing and signed by an authorized representative of the Company, and provided that no waiver will be allowed where the waiver would constitute a violation of the Public Utility Code, the regulations of the Commission or of any other applicable statute, law or regulation.

**Section K– Amendment of Commission Regulations**

Whenever Commission regulations in Title 52 of the Pennsylvania Code are duly amended in such a way as would produce a difference between Commission regulations and this tariff, this tariff is deemed to be amended so as to be consistent with the amendments to the regulations, except that if application of the amendment to Title 52 is discretionary, this tariff will remain unchanged.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section L. Privilege to Investigate/Right of Access**

The Company's authorized representatives shall have the right of access at all reasonable times to all parts of any premises connected with the system, including meters, service connections and other property owned by it on the premises of the Customer, for the purpose of examining and inspecting connections and fixtures, including the water and/or wastewater metering arrangement, for disconnecting service for any proper cause, or for purposes of replacement, maintenance, operation or repair thereof.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section M – MAIN EXTENSIONS FOR BONA FIDE SERVICE APPLICANTS**

**General Provisions**

(A)(1) The Company will extend existing sewer mains for a Bona Fide Service Applicant making application for sewer service, other than temporary or seasonal service, under, and pursuant to, these Rules and Regulations, to commence immediately upon installation of the Street Service Connection.

(2) When the costs of the main extension exceed the Company Contribution as defined in Subsection (D), then such extension will be made under and pursuant to the terms of an Extension Deposit Agreement for Bona Fide Service Applicant, as hereinafter set forth, and subject to the applicable provisions of these Rules and Regulations. The construction of facilities to serve such Bona Fide Service Applicant will not commence until an Extension Deposit Agreement for Bona Fide Service Applicant has been executed and all applicable terms and conditions therein have been satisfied by the Applicant.

(3) When an extension is requested or required to serve a Bona Fide Service Applicant requiring Special Utility Service, construction of the extension or of any facilities needed to provide such Special Utility Service will not commence until a Special Utility Service Agreement has been executed and all applicable terms and conditions therein have been satisfied by the Applicant including, but not limited to, paying the requisite sum of money for construction of the facilities needed to furnish Special Utility Service, in accordance with the Preliminary Memorandum to such Special Utility Service Agreement.

(B) The Company shall have exclusive right to determine the type and size mains to be installed and the other facilities required to render adequate service. If a Bona Fide Service Applicant desires any facilities other than those facilities determined by the Company to be required to render adequate service, those other facilities will be installed by, owned by, maintained by, and will become the sole responsibility of the Bona Fide Service Applicant.

(C) In determining the length of and necessity for any extension required pursuant hereto, the terminal point of such extension shall, in all cases, be at the point in the curb line which is equidistant from the side property lines of the last lot for which sewer service is requested, except as provided in Paragraph B above wherein it may be necessary to extend beyond the last lot and connect to an existing main to provide adequate and reliable sewer service. A street service connection will be provided only when Customer service lines from the curb to the premises to be served are laid in a straight line at right angles to the curb line.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section M –MAIN EXTENSIONS FOR BONA FIDE SERVICE APPLICANTS (cont'd)**

(D) For the purposes of this rule:

(1) "Bona Fide Service Applicant" shall mean a person or entity applying for General Sewer Service to an existing structure for which a valid occupancy permit has been issued if such structure is within the Company's certificated service territory and is either: (1) a primary residence of the Applicant; or (2) a place of business. An Applicant shall not be deemed a Bona Fide Service Applicant if such Applicant is requesting sewer service to: (1) a building lot or subdivision; or (2) a primary residence if such primary residence was constructed, or the request for sewer service was made, as part of a plan for the development of a residential subdivision; or (3) sewer service for temporary or seasonal services. To become a Bona Fide Service Applicant, a person or entity must file a signed application for a new Street Service Connection to qualifying premises, extend the necessary customer service line to the curb line of premises, and request sewer service to begin immediately following installation of the Street Service Connection. If the Company shall be delayed or prevented from installing the Street Service Connection for a period of one (1) year or more from the date of application, the Bona Fide Service Applicant shall have the right to withdraw the Application for Service.

(2) "Company Contribution" shall mean that portion of the main extension costs which the Company will fund based upon the following formula:

Average Annual Revenue	\$ _____
Minus	
Operation and Maintenance Expenses	\$ _____
Subtotal	\$ _____
Divided by	
Depreciation Rate and Weighted Cost of Debt	_____ %
Company Investment	\$ _____

The Bona Fide Service Applicant will be required to pay one-third of the Customer Contribution prior to the commencement of any work by the Company. The Customer Contribution will be an amount equal to the difference between the Company Contribution and the cost of the main extension and applicable interest charges. After the initial payment any remainder will be amortized over thirty-six (36) equal monthly installments beginning with the Bona Fide Service Applicant's first bill for sewer service. The Company will also provide information to the applicant on financial institutions that may offer financing to the Bona Fide Service Applicant for the line extension.

(a) The Average Annual Revenue for residential customers with a 5/8" water meter shall be calculated based upon the average residential consumption for customers with a 5/8" water meter used to determine rates approved by the Pennsylvania Public Utility Commission in the Company's last approved general rate increase. Consumption for residential customers with larger water meters will be determined by selecting up to twenty (20) existing customers with similar water meter sizes, as available, which have received service for at least twelve (12) months prior to the date of application, and applying the Company's latest approved rates to the annual average consumption of those customers.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section M – MAIN EXTENSIONS FOR BONA FIDE SERVICE APPLICANTS (cont'd)**

(b) The Average Annual Revenue for Commercial, Industrial and Municipal customers shall be calculated by selecting up to twenty (20) existing, similar commercial, industrial or municipal ratepayers, as available, which have received service for at least twelve (12) months prior to the date of application, to determine the average consumption to be used in calculating the Company Contribution.

(c) Operation and Maintenance Expenses shall be the Company's average annual operation and maintenance costs associated with serving an additional customer.

(d) The depreciation rate shall be the Company's depreciation rate for the facilities to be installed as determined in the Company's last approved general rate increase filing.

(e) The weighted cost of debt shall be the Company's long-term debt costs as determined in the Company's last approved general rate increase.

(3) "General Sewer Service" shall mean basic residential sewer service or sewer service for general commercial or municipal purposes but excluding, without limitation, sewer service for seasonal or temporary uses and sewer service solely for sprinkler systems or for any other fire protection use.

(4) "Special Utility Service" shall mean any residential or business service which exceeds that required for ordinary residential purposes. By way of illustration but not limitation, Special Utility Service shall include: the installation of facilities such as oversized mains, lift stations, additional plant capacity or pretreatment facilities required as necessary to adequately treat or convey flows, or service to large sewer producing commercial and industrial applicants. An otherwise Bona fide applicant requesting service which includes a special utility service component is entitled to a Bona fide applicant status, including the corresponding contribution toward the costs of the line extension which do not meet the special utility service criteria.

(5) "Street Service Connection" shall mean a pipe with appurtenances used to conduct sewer from a collection main of the Company to the curb line of the premises.

(E) (1) Street service supplying a premise shall not pass through or across any premises or property other than that to be supplied, except as provided in (E) (2). No sewer pipes or plumbing in any premises shall be extended therefrom to adjacent or other premises. Street service connections will not be permitted to cross intervening properties unless there is no other way in which service can be provided and appropriate easements are obtained. Only service applicant(s) owning property in fee which directly abuts a street wherein there is an existing main of the Company will be permitted to attach to the Company's service line for the purpose of receiving sewer service therefrom, unless appropriate easements are obtained pursuant to Subsection(2) below. It is understood that such property owned in fee by the said service applicant(s) shall be a complete standard building lot which complies with the existing zoning laws and regulations of the municipality in which such property is located. It is further understood that if such property owned in fee by a service applicant(s) is subsequently sold, the purchaser of such property will be entitled to receive sewer service upon compliance with all of the provisions of this tariff, but that the seller of such property shall only be entitled to continue to receive service if such seller complies with all of the provisions of this tariff.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section M – MAIN EXTENSIONS FOR BONA FIDE SERVICE APPLICANTS (cont'd)**

(2) A residential service applicant(s) may obtain a recorded easement or right-of-way that runs with the land, of at least fifteen (15) feet in width connecting the property to be served to the street wherein the Company's main is located. Such easement or right-of-way shall not cross multiple properties. The residential service applicant(s) shall present the Company with a certified copy of a duly recorded instrument which (a) describes the easement or right-of-way by metes and bounds, (b) gives the easement in perpetuity to the heirs, successors and assigns of said residential service applicant(s), (c) grants access to the customer or company service line for purposes of repair and replacement, and (d) is recorded in the County Office of the Recorder of Deeds.

(F) Where substantial public need exists and the public health and safety may be compromised by the absence of a public sewer supply in a portion of the Company's authorized service territory, the Company, subject to the Commission's prior approval, may install main extensions and Special Utility Service facilities without the payment of the Customer Contribution that would otherwise be required under subparagraphs (A)(3) and (D)(2), respectively of Section M.

## PENNSYLVANIA-AMERICAN WATER COMPANY

Calculation of Company Funded Portion of Main Extensions  
(For Illustrative Purposes Only)

Average Annual Revenue	\$340
minus	
Operation and Maintenance Expenses	\$102
<u>Subtotal</u>	<u>\$238</u>
Divided by	
Depreciation Rate (Mains Only) and	6.08%
Weighted Debt Costs	
<u>Total</u>	<u>\$3,914</u>

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section N – EXTENSION DEPOSIT AGREEMENT FOR BONA FIDE SERVICE APPLICANT**

THIS AGREEMENT entered into this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between Pennsylvania-American Water Company hereinafter called the "COMPANY," and \_\_\_\_\_ hereinafter called the "BONA FIDE SERVICE APPLICANT."

WHEREAS, the BONA FIDE SERVICE APPLICANT desires extension of the sewer mains of the COMPANY, as hereinafter described;

NOW, THEREFORE, this agreement WITNESSETH:

FIRST: THE COMPANY contracts and agrees to lay the sewer main(s) (and other facilities, if any) as shown in red on the diagram hereto attached and made a part hereof described and located as follows:

(LEAVE SPACE FOR DESCRIPTION)

SECOND: It is expressly understood and agreed that if the COMPANY shall be delayed or prevented from installing the sewer main (s) (and other facilities, if any) hereinabove described because of its failure to secure pipe or other construction materials, or for any other causes beyond its control, such failure or delay in performance shall be excused; provided, however, if such failure or delay in performance shall extend for a period of more than one (1) year from the date thereof, the BONA FIDE SERVICE APPLICANT shall have the right to cancel and terminate this agreement on thirty (30) days' written notice to the COMPANY, and thereafter both parties shall be relieved of all duties and obligations arising hereunder. But this right to cancel and terminate by the BONA FIDE SERVICE APPLICANT shall not be invoked if the COMPANY has received the construction material, in which event the COMPANY shall have the obligation to prosecute the work diligently to its completion.

THIRD: The BONA FIDE SERVICE APPLICANT hereby agrees, upon notice from the COMPANY that it is prepared and able to go forward with the work provided in Paragraph FIRST hereof, to pay for the actual costs of extending the facilities as provided in Paragraph FIRST hereof, by depositing an amount in cash equal to (1) the Estimated Cost less (2) the Company Contribution. Items (1) and (2) are to be determined as follows:

(1) The Estimated Cost shall be the estimated cost of the extension, including the estimated cost of said main(s) and the estimated cost of any other facilities which the COMPANY shall have determined are required to render adequate service.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section N – EXTENSION DEPOSIT AGREEMENT FOR BONA FIDE SERVICE APPLICANT (cont'd)**

(2) The Company Contribution shall be a credit as determined by the following formula:

Average Annual Revenue	\$ _____
Minus	
Operation and Maintenance Expenses	\$ _____
Subtotal	\$ _____
Divided by	
Depreciation Rate and Weighted Cost of Debt	_____ %
Total	\$ _____

multiplied by the number of bona fide service applicants who will be directly served by the extension.

The BONA FIDE SERVICE APPLICANT agrees to pay at least one-third of the deposit prior to the commencement of construction of the extension, and the remainder of the deposit plus applicable interest charges in thirty-six (36) equal monthly installments beginning with BONA FIDE SERVICE APPLICANT'S first bill for sewer service. Interest will be charged on the unpaid portion each month, equal to the monthly portion of the embedded cost of long-term debt recognized in the Company's last approved general rate increase.

Upon such written notice, a Preliminary Memorandum in the form attached shall be prepared and signed by both parties showing the deposit required in accordance with foregoing provisions. Upon completion of the installation of the extension, a Final Memorandum in the form attached shall be prepared and signed by both parties showing the deposit required based on the same calculations as set forth above but by using the actual cost of the extension, including the actual installation costs of the mains and other facilities, for the Estimated Cost and calculating the Applicable Credit. If the deposit shown to be due on the Final Memorandum differs from that shown on the Preliminary Memorandum, the APPLICANT will deposit any additional amount shown to be due or the COMPANY will refund to the APPLICANT any excess amount shown to have been deposited. Any additional amount of required deposit must be made by the APPLICANT to the COMPANY before the granting of refunds to the APPLICANT.

FOURTH: The COMPANY hereby agrees to refund to the BONA FIDE SERVICE APPLICANT during the period of ten (10) years from actual date of deposit as shown on the Preliminary Memorandum a Per-Customer Refund Amount for each additional BONA FIDE SERVICE APPLICANT for whom a street service connection shall be directly attached to such main extension, as distinguished from extensions or branches thereof; provided however, that the total amount refunded shall not exceed the amount of the original deposit by the BONA FIDE SERVICE APPLICANT to the COMPANY as of the date of the refund, and further provided that, if there is an unpaid balance owed then the Per-Customer Refund Amount shall first be deducted from the unpaid balance. All or any part of the deposit not refunded within said 10-year period shall become the property of the COMPANY. The Customer Refund Amount shall be the Company contribution divided by the number of customers connected to the initial main extension.

FIFTH: The BONA FIDE SERVICE APPLICANT may request refunds under Paragraph FOURTH, once in each Calendar quarter, furnishing the COMPANY, at such time, a listing of additional bona fide service applicants; however, failure on the part of the BONA FIDE SERVICE APPLICANT to make such request shall not constitute a waiver of any rights hereunder or relieve the COMPANY of the obligation to make refunds with reasonable promptness.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section N – EXTENSION DEPOSIT AGREEMENT FOR BONA FIDE SERVICE APPLICANT (cont'd)**

SIXTH: The ownership of the sewer main(s) and other facilities installed hereunder shall at all times be with the COMPANY, its successors and assigns.

SEVENTH: This agreement shall be valid and binding on the COMPANY only when executed by its duly authorized representative.

EIGHTH: This agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the respective parties.

NINTH: Any notice given hereunder shall be deemed sufficient if in writing and sent by registered mail to the COMPANY at

\_\_\_\_\_  
(Address of COMPANY)

and to the BONA FIDE SERVICE APPLICANT at

\_\_\_\_\_  
(Address of BONA FIDE SERVICE APPLICANT)

\_\_\_\_\_  
**Issued:**

\_\_\_\_\_  
**Effective:**

TENTH: This agreement is entered into pursuant to the legally established Rules and Regulations of the COMPANY, and the words, phrases, and terms hereof are to be understood and interpreted in conformity with said Rules and Regulations, which are hereby incorporated herein by reference.

Executed in triplicate by the parties hereto on the date first above written.

WITNESS:

PENNSYLVANIA-AMERICAN WATER COMPANY

\_\_\_\_\_

BY: \_\_\_\_\_

Title: \_\_\_\_\_

WITNESS:

BONA FIDE SERVICE APPLICANT:

\_\_\_\_\_

\_\_\_\_\_





**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section O- SPECIAL UTILITY SERVICE**

THIS AGREEMENT entered into this \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between Pennsylvania-American Water Company hereinafter called the "COMPANY," and \_\_\_\_\_ hereinafter called the "APPLICANT."

WHEREAS, the APPLICANT desires Special Utility Service, as defined in Section M(4) of the Company's tariff and as hereinafter described;

NOW, THEREFORE, this agreement WITNESSETH:

FIRST: THE COMPANY contracts and agrees to construct the facilities needed to furnish Special Utility Service shown in red on the diagram hereto attached and made a part hereof and described and located as follow:

(LEAVE SPACE FOR DESCRIPTION)

SECOND: It is expressly understood and agreed that if the COMPANY shall be delayed or prevented from installing facilities hereinabove described because of its failure to secure construction materials, or for any other causes beyond its control, such failure or delay in performance shall be excused; provided, however, if such failure or delay in performance shall extend for a period of more than one (1) year from the date thereof, the APPLICANT shall have the right to cancel and terminate this agreement on thirty (30) days' written notice to the COMPANY, and thereafter both parties shall be relieved of all duties and obligations arising hereunder. But this right to cancel and terminate by the APPLICANT shall not be invoked if the COMPANY has received the construction material and the APPLICANT has made the deposit as hereinafter required, in which event the COMPANY shall have the obligation to prosecute the work diligently to its Complete on.

THIRD: The APPLICANT hereby agrees to pay to the COMPANY, upon notice from the COMPANY that it is prepared and able to go forward with the work provided in Paragraph First hereof, an amount in cash equal to the Estimated Cost. The Estimated Cost shall be the estimated cost including material, labor and overheads of the facilities hereinabove described for providing Special Utility Service.

Upon such written notice, a Preliminary Memorandum in the form attached shall be prepared and signed by both parties showing the payment required in accordance with foregoing provisions. Upon completion of the Memorandum in the form attached shall be prepared and signed by both parties showing the payment required based on the same calculation as set forth above but by using the actual installation cost of the facilities, for the Estimated Cost. If the payment shown to be due on the Final Memorandum differs from that shown on the Preliminary Memorandum, the APPLICANT shall pay any additional amount shown to be due or the COMPANY will refund to the APPLICANT, without interest, any excess amount shown to have been paid, it being the intent of this agreement that the payment required shall be based on actual installation cost. If the actual installation cost exceeds the payment required as shown on the Preliminary Memorandum, the additional amount of required payment must be made by the APPLICANT to the COMPANY before installation of the facilities, a Final service to the APPLICANT commences.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section O- SPECIAL UTILITY SERVICE (cont'd)**

FOURTH: The ownership of the facilities installed hereunder shall at all times be with the COMPANY, its successors and assigns.

FIFTH: This agreement shall be valid and binding on the COMPANY only when executed by its duly authorized representative.

SIXTH: This agreement shall be binding upon the heirs, executors, administrators, successors and assigns of the respective parties.

SEVENTH: Any notice given hereunder shall be deemed sufficient if in writing and sent by registered mail to the COMPANY at

\_\_\_\_\_

(Address of Company)

and to the Applicant at \_\_\_\_\_

(Address of APPLICANT)

EIGHTH: This agreement is entered into pursuant to the legally established Rules and Regulations of the COMPANY, and the words, phrases, and terms thereof are to be understood and interpreted in conformity with said Rules and Regulations, which are hereby incorporated herein by reference.

Executed in triplicate by the parties hereto on the date first above written.

PENNSYLVANIA-AMERICAN WATER COMPANY

WITNESS:

\_\_\_\_\_

BY: \_\_\_\_\_

Title: \_\_\_\_\_

WITNESS:

\_\_\_\_\_

APPLICANT:

\_\_\_\_\_

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section O- SPECIAL UTILITY SERVICE (cont'd)**

**PRELIMINARY MEMORANDUM**

This Preliminary Memorandum is executed by the parties hereto under and pursuant to the provisions of Paragraph THIRD of a certain agreement in writing between the parties entered into on the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, for the installation by the COMPANY of certain facilities therein described. It is, therefore, agreed and stipulated:

(a) Estimated Cost of Facilities      \$ \_\_\_\_\_  
for Special Utility Service  
(exclusive of the cost of the  
main and appurtenances, street  
service connection and meter)

This Preliminary Memorandum shall be attached to the original agreement in accordance with the provisions of Paragraph THIRD thereof.

Dated: \_\_\_\_\_  
Date of Payment

PENNSYLVANIA-AMERICAN WATER COMPANY

WITNESS:

\_\_\_\_\_

BY: \_\_\_\_\_

Title: \_\_\_\_\_

WITNESS:

\_\_\_\_\_

APPLICANT:

\_\_\_\_\_

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section O- SPECIAL UTILITY SERVICE (cont'd)**

FINAL MEMORANDUM

This Final Memorandum is executed by the parties hereto under and pursuant to the provisions of Paragraph THIRD of a certain agreement in writing between the parties entered into on the \_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, for the installation by the COMPANY of certain facilities therein described. It is, therefore, agreed and stipulated:

- (a) Actual Cost of Facilities \$ \_\_\_\_\_  
for Special Utility Service  
exclusive of the cost of the  
main and appurtenances, street  
service connection and meter)

This Final Memorandum shall be attached to the original agreement in accordance with the provisions of Paragraph THIRD thereof.

Dated: \_\_\_\_\_  
Date of Payment on  
Preliminary Memorandum

WITNESS:

\_\_\_\_\_

WITNESS:

\_\_\_\_\_

PENNSYLVANIA-AMERICAN WATER COMPANY

BY: \_\_\_\_\_

Title: \_\_\_\_\_

APPLICANT:

\_\_\_\_\_

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section P - Grinder Pumps for Paint-Elk Wastewater**

This section applies to those customers from the former Paint-Elk Joint Sewer Authority (PEJSA) whose service addresses are listed on updated Schedule 1.1 of the acquisition closing documents. Original Schedule 1.1 from the Purchase Agreement was included in PAWC's Application filing on 12/6/2013, which was approved by the Public Utility Commission's Order entered on July 24, 2014, at Docket Number A-2013-2395998.

1. Those customers within the Former PEJSA whose addresses do not appear on Schedule 1.1 of the Purchase Agreement own their Customer service line in its entirety, including the grinder pump on their Customer service line should one exist.
2. For those customers within the Former PEJSA whose addresses appear on Schedule 1.1 of the Purchase Agreement, PAWC shall own and maintain the grinder pump units for a period of three years from the date of Closing.
3. PAWC shall be responsible to repair/replace any malfunctioning grinder pumps during this three year period. The decision to repair/replace shall be made in PAWC's sole discretion. Any customer may indicate to PAWC that it does not wish to have this service and such services shall cease upon notification from the customer and the ownership of the grinder pump unit shall revert to the customer.
4. The customer must agree to allow PAWC the necessary access to maintain the grinder pump unit or PAWC's obligation as to that particular customer shall cease without any further obligation from PAWC.
5. Three years from the date of Closing, PAWC's obligation to operate and maintain the grinder pump units shall cease. At that time, PAWC will provide written notification to the addresses listed on Schedule 1.1 that ownership of the grinder pump units has transferred to the customer and all responsibilities related to the grinder pump unit reside with the customer.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section Q – Liability of Company (General)**

1. The liability of the Company for any loss or damages due to any negligent act of omission or commission, by the Company, shall be limited to and in no event exceed an amount equivalent to 1/4 the average charge of 4 billing periods to the Customer for the period of service during which such deficiency has occurred. Such average shall be determined by reference to the billed charges to the Customer for the four billing periods immediately prior to the billing period during which the loss or damage occurred.  

(C)
2. In any legal action where a court does not recognize, or is being asked to interfere with or hamper, the jurisdiction of the Commission to authorize limitations of liability or to exclusively determine whether the service and facilities of the Company are in conformity with the regulation and Order of the Commission, the Company may certify to the Commission the question of the appropriateness of such court action by filing a petition for declaratory judgment with the Commission.
3. Notwithstanding any provision in this tariff to the contrary, the Company shall not be liable in any action where the loss or damage involves an act of God or does not involve a duty of the Company, including breaks or leaks on facilities that are not owned by the Company, such as breaks, leaks, defects or condition in the Customer's own service line, meter vault, pressure reducing valve, back flow prevention device, check valve, pressure relief valve, or any other control valve, internal plumbing or fixture, or due to the materials out of which those facilities are made. Further, the Company shall not be liable in any action where the loss or damage does not involve a breach of a duty of the Company, including where the Company does not receive actual notice, either written or oral, that a Company facility (located within the public right-of-way, in a sidewalk or on a Customer's property) is in need of repair, such as the condition or elevation of a curb box or valve box that is not proven to have been in that condition at the time of installation or that is caused by a plumber, developer, or other person or event.

(C) means Change

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section R- Wastewater Control Regulations**

1. **Applicability:** These provisions shall apply throughout the Company's service territory. For those systems where an Industrial Pretreatment Program (IPP) is required by the United States Environmental Protection Agency (EPA), Pennsylvania Department of Environmental Protection (DEP) or by the Company, all applicable customers shall comply with such IPP regulations. For a Commercial or Industrial Customer that is also subject to the provisions of an IPP of this tariff, to the extent a conflict exists between the provisions of this Section and the provisions of the applicable IPP, the terms of the IPP shall control. .
2. **General Prohibitions:**
  - (a) No storm water from pavements, area ways, runoff basins, roof runoff water, foundation drains, subsurface drains, water from springs, cooling water, basement sump pumps, unpolluted industrial or commercial process water or other sources shall be admitted to the Company Sanitary Sewer.
  - (b) The discharge of garbage to the Sanitary or Combined Sewer is expressly prohibited. Properly shredded biodegradable garbage may be discharged into the Sanitary or Combined Sewer with no particle greater than one-half inch in dimension.
3. **Prohibited Discharges:** The Company reserves the right to refuse connection to its Sanitary or Combined Sewer and/or to compel the discontinuance of the use of any system, or to require pre-treatment of Wastes by any Customer, in order to prevent the discharge of any Wastes to the Sanitary or Combined Sewer system which may be deemed harmful to the Sanitary or Combined Sewer system, or to have an adverse effect on the sewage treatment processes. Except from the written consent of the Company, there shall be excluded from the sewage system but not limited to, any wastes having suspended solids and Wastes having any or all of the following characteristics:
  - (a) Wastes containing any gasoline, naphtha, fuel, oil or other liquids, solids or gases which by reason of their nature or quality may cause fire or explosion or be in any other way injurious to persons, the structures of the wastewater system or its operation.
  - (b) Wastes having a temperature in excess of 120 degrees F. or less than 32 degrees F that enters the Sanitary or Combined Sewer or Wastes entering the plant that increase the temperature of the Wastewater at the headworks of the plant to exceed 104 degrees F.
  - (c) Wastes having a pH lower than 6.0 or higher than 9.0, or having any corrosive property capable of causing damage or hazards to structures, equipment or personnel of the wastewater system.
  - (d) Wastes containing any noxious or malodorous gas or substance that either singly or by interaction with sewage or other wastes is likely in the opinion of the Company to create a public nuisance or hazard to life or prevent entry to sewers for their maintenance and repair.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section R- Wastewater Control Regulations (cont'd)**

- (e) Wastes containing ashes, cinders, sand, mud, straw, shavings, metal, glass, rags, feathers, tar, plastics, wood, hair, chemical or paint residues, greases, paunch, manure, dairy products, cotton, wool, plastic or other fibers, lime, slurry or any other solid or viscous material of such character or in such quantity as in the opinion of the Company may cause an obstruction to the flow in sewers or otherwise interfere with the proper operation of the sewer system.
- (f) Wastes containing insoluble, non-flocculent substances having a specific gravity in excess of 2.65.
- (g) Wastes containing soluble substances in such concentrations as to cause the specific gravity to be greater than 1.1.
- (h) Wastes containing any substances which may affect the effluent and may cause violation of the National Pollutant Discharge Elimination System Permit.
  - (i) Wastes containing other matter detrimental to the operation of a sewage treatment plant or Sanitary or Combined Sewers causing erosion, corrosion or deterioration in sewers, equipment and structures of a sanitary or sewage treatment plant.
  - (j) Wastes containing fats, wax, tar, grease or oil of petroleum origin, whether emulsified or not, in excess of one hundred mg/L, or petroleum oil, non biodegradable cutting oil or petroleum products of mineral oil origin in amounts that will cause interference or pass through at the wastewater treatment facilities.
  - (k) Wastes containing an average concentration of oils and greases, of the Hydrocarbon variety or any Freon extractables which are not biodegradable in excess of 10 mg/L.
  - (l) Wastes containing more than 10 mg/L of any of the following gases: hydrogen sulfide; sulfur dioxide; nitrous oxide; or any of the halogens.
  - (m) Wastes containing a toxic or poisonous substance, in a sufficient quantity to injure or interfere with any sewage treatment process, constitute a hazard to humans or animals or create any hazard in the sewer system operation or exceed the limitation set forth in a National Categorical Pretreatment Standard. Toxic pollutants or substances shall include but not limited to Wastewater containing cyanide, chromium, cadmium, mercury, copper, nickel, or materials listed as hazardous materials.
  - (n) Any waste containing toxic substances in quantities sufficient to interfere with the biochemical/biological processes of the sewage treatment works or that will pass through the sewage treatment works and exceed the state and/or federal requirements in respect thereof.
  - (o) Any waste containing radioactive isotopes or other radioactive materials.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section R- Wastewater Control Regulations (cont'd)**

- (p) Sludges resulting from the treatment of concentrated solutions that are not acceptable for discharge to the Sanitary or Combined Sewer.
- q) Waste introduced into the Sanitary or Combined Sewer with any pollutants which cause pass through or interference; whether or not the customer is subject any other national, state, or local pretreatment standards or requirements.
- r) Waste containing any color which may not be removed in the wastewater treatment process.

Effluent limitations promulgated as categorical standards, 40 C.F.R. Chapter 1, Subchapter N and 40 C.F.R. 403.6 shall apply in any instance where they are more stringent than those in this section.

The local limits in this section may be supplemented with more stringent limitations if the Company determines that the limitations in subsection (a) through (p) above may not be sufficient to protect the operation of the sewerage system or to enable the water pollution control plant to comply with water quality standards or effluent limitations specified in the Company's NPDES permit.

- 4. **Disposal of Wastes From Septic Tanks and Cesspools:** No person shall dispose of wastes from septic tanks, cesspools, or other such sources of sanitary sewage to the Company's Sanitary or Combined Sewer, except as designated by the Company.
- 5. **Penalties:** The Company reserves the right to terminate water and/or wastewater service for violation of any provision of these regulations, subject to PUC rules and regulations.
- 6. **Damages:** In the event of any damage to the Company's wastewater system caused by a Customer, or a Customer's representative, such damage shall be immediately reported to the Company and said Customer shall reimburse the Company for the costs of such repairs, testing, consulting and all other costs associated with the damage. Any user violating any of the provisions of these Rules and Regulations shall become liable to the Company for all expenses, losses, or damages occasioned by the Company by reason of such violation, whether incidental or consequential.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section S – Stormwater Connections to Sanitary or Combined Sewer System:**

(a) No person shall install any new connection to discharge stormwater or groundwater drainage to a Sanitary or Combined Sewer, or undertake any modification that increases the flow of stormwater or groundwater being discharged via an existing connection to the Sanitary or Combined Sewer, without applying for and obtaining a Connection Permit from the Company. Consideration and issuance of any Connection Permit is subject to the following:

(1) No new or increased discharge of stormwater or groundwater to the Sanitary or Combined Sewer will be permitted if separate stormwater system facilities or receiving streams exist in reasonable proximity to the proposed connection to the Sanitary or Combined Sewer. The person seeking a Connection Permit must demonstrate to the satisfaction of the Company that the discharge stormwater or groundwater flows to anywhere but to the Sanitary or Combined Sewer is not (i) technically or economically feasible, or (ii) permissible under applicable environmental regulations.

(2) No new or increased discharge of stormwater or groundwater will be allowed unless there is adequate capacity in the Sanitary or Combined Sewer system, and such flows can be managed in compliance with all laws and requirements applicable to the Sanitary or Combined Sewer system. When known or potential hydraulic capacity overloads may exist or may be created as the result of the proposed new or modified connection to the Sanitary or Combined Sewer, the Company reserves the right to require a detailed hydraulic study of the affected portion of the Sanitary or Combined Sewer system. The work and costs associated with such study shall be paid for by the party seeking the Connection Permit.

(3) Any new or modified connection involving the discharge of stormwater or groundwater to the Sanitary or Combined Sewer shall comply with all applicable state regulations and municipal ordinances.

(4) In the case of new or modified connections from a property that is presently contributing stormwater or groundwater drainage to a Sanitary or Combined Sewer, the peak rate of discharge must be controlled. The peak rate of discharge to the Sanitary or Combined Sewer after development or improvement shall be no greater than 75% of the peak rate of discharge to the Sanitary or Combined Sewer prior to development or improvement under storm conditions up to a 100-year rainfall event. Stormwater peak discharge and runoff shall be determined through the use of: (A) the USDA NRCS Soil Cover Complex Method as set forth in Urban Hydrology for Small Watersheds, Technical Release No. 55 (USDA, 1986), with specific attention given to antecedent moisture conditions, flood routing, time of concentration, and peak discharge specifications included therein and in Hydrology National Handbook, Section 4 (USDA, 1985); (B) the USDA NRCS Technical Release No. 20; or (C) other procedures as approved by the Company. Refer to Pennsylvania Stormwater Best Management Practices Manual (363-0300-002) dated December 30, 2006.

(5) Except where specifically approved by the Company, all new sanitary sewer laterals and mains shall be separate from stormwater laterals and mains.

(b) If a connection to the Sanitary or Combined Sewer is permitted as provided in 5(a), (1) any facilities using the connection to the Sanitary or Combined Sewer shall utilize inlet structures equipped with devices to prevent solids and floatable debris from entering the Sanitary or Combined Sewer of a design approved by the Company; and (2) the connection shall be made to an existing or new manhole or other Company approved structure that complies with design standards prescribed by the Company.

(c) No downspout gutter shall be connected to the Sanitary or Combined Sewer.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section T – Industrial Pretreatment Program (Coatesville District) (IPP-C)**

This Section applies to Industrial and Commercial customers served under Rate Zone 1 and located in the Coatesville District area of the Company's service territory. All such customers shall comply with the "Coatesville District Industrial Pretreatment Program Regulations" ("IPP-C") and as may be amended by the Company or the Pennsylvania Department of Environmental Protection from time to time. The currently effective IPP-C will be made available on the Company's website.

Such customers shall be responsible for the charges and fees scheduled below related to the implementation, administration, and enforcement of the IPP-C, and for the additional costs for treatment of wastewaters from such customers who have excess loadings and characteristics. Fees under this Section are separate from and in addition to all other rates chargeable by the Company under this tariff.

The fees as set forth in Schedule IPP-C-1 below will be in effect for customers subject to the IPP-C. Terms are as defined by IPP-C.

**SCHEDULE IPP-C-1****1.1 General Fees.**

<b>1.1.1 Application for Service/Waste Survey</b> - Each new commercial or industrial customer will be assessed a charge for the review of the Waste Survey Form attached to the Company's Application for Service Form.	\$50.00
<b>1.1.2. Industrial Wastewater Discharge Permit Application or Permit Modification Application</b> - Each customer determined to be a Significant Industrial User will be assessed a charge for the review of the Industrial Wastewater Discharge Permit application and for site inspection.	\$1,100.00
<b>1.1.3. Industrial Wastewater Discharge Permit</b> - Each customer required to submit an Industrial Wastewater Discharge Permit Application will be assessed a charge for the preparation of the Industrial Wastewater Discharge Permit that is specific to that customer, which may include, but is not limited to pretreatment, waste minimization and spill control requirements, local limits and other conditions required by the Company's IPP-C.	At Cost
<b>1.1.4. Industrial Wastewater Discharge Permit Application for Renewal or Transfer</b> - Each customer with a discharge permit will be assessed a charge for the review of the application for renewal or transfer of the permit. If changes are required to the permit, they will be done at cost as noted in Item #3 above.	\$250.00

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section T – Industrial Pretreatment Program (Coatesville District) (IPP-C) (cont'd)****1.1 General Fees (cont'd)**

- |   |          |
|---|----------|
| <b>1.1.5. Facilities for Pretreatment, Accidental Discharge, Slug Control and or Monitoring</b> - Customers required to provide facilities for wastewater pretreatment and/or accidental/slug discharge or monitoring will be assessed a charge for the Company to review the plans and operating procedures required by the Company's IPP-C.   | At Cost  |
| <b>1.1.6. Monitoring Reports</b> - Customers will be assessed a charge for the Company to review each of the reports submitted as required by the Company's IPP-C.  | \$250.00 |
| <b>1.1.7. Facility Inspections</b> - Customers that require inspections by the Company for permitting, monitoring and compliance/noncompliance purposes will be assessed a charge for these services per each inspection.   | \$250.00 |
| <b>1.1.8. Sampling and Analysis</b> - Customers whose discharge requires the Company to perform or to arrange for compliance monitoring will be assessed a charge for each sampling event and laboratory analysis. This charge may include sampler rental and set-up, sample pick-up or delivery and lab report charges.  | At Cost  |
| <b>1.1.9. Noncompliance Repair or Maintenance</b> - Customers causing any violations that result in needed repairs or maintenance to the Company's Sewer System will be assessed a charge to reimburse the Company for its expenses. This charge may include but is not limited to, charges from haulers, cleaning crews, contractors, plumbers, excavations and vacuum sewer services. | At Cost  |

**1.2 Specific Fees.**

1.21 In the event that the Company consents to accept into the Sanitary Sewer system Industrial/Commercial Wastes containing more than 300 milligrams per liter by weight (mg/L) of suspended solids and/or 300 mg/L of 5 day biochemical oxygen demand, otherwise prohibited under this Section, there is hereby imposed for such service in addition to the sanitary sewage quantity, a surcharge for the Suspended Solids and 5-day Biochemical Oxygen Demand (BOD5) contained in said wastes in excess of 300 mg/L, in accordance with the following schedule:

(i) \$0.10 per pound of BOD5 in excess of 300 mg/L. Calculated as: BOD5 in mg/L – 300 mg/l x Wastewater volume in million gallons x 8.34 x \$0.10/pound.

(ii) \$0.06 per pound of Total Suspended Solids (TSS) in excess of 300 mg/L. Calculated as: TSS in mg/L – 300 mg/l x Wastewater volume in million gallons x 8.34 x \$0.06/pound.

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section T – Industrial Pretreatment Program (Coatesville District) (IPP-C) (cont'd)**

**1.2 Specific Fees (cont'd)**

1.2.2 In the event the Company elects to accept Industrial/Commercial Wastes having a pH below 6.0 S.U. the total acid equivalent of such wastes, expressed as 100% sulfuric acid shall be considered as one pound of Suspended Solids. For purposes of calculating Surcharges, the total sum computed by adding the acid equivalent so determined to the actual Suspended Solids content shall be considered to be the Suspended Solids content of the acidic wastes. The charges for treatment of such acidic wastes shall be subject to the same Surcharges as above set forth for wastes containing excessive solids.

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section U– Industrial Pretreatment Program (Scranton-Area) (All Service Areas under Rate Zones 1 (Except Coatesville), 2, 3, 7-Sadsbury and 8-Turbotville) (IPP-S) (C)**

This Section applies to Industrial and Commercial customers served throughout the Company's service territory under Rate Zone 1 of this tariff, except for the customers subject to Section T of this tariff pursuant to the provisions thereof, and Rate Zones 2, 3, 7-Sadsbury and 8-Turbotville of this tariff. (C)

All such customers shall comply with the "Industrial Pretreatment Program (Scranton-Area)" ("IPP-S") as required by and submitted to the Pennsylvania Department of Environmental Protection and as may be amended from time to time. The currently effective IPP-S will be made available on the Company's website.

Such customers shall be responsible for the charges and fees scheduled below related to the implementation, administration, and enforcement of the IPP-S, and for the additional costs for treatment of wastewaters from such customers who have loadings and characteristics that are in excess of Domestic Sewage as defined by the IPP-S. Pursuant to the IPP-S, IPP-S fees are set by this tariff. IPP-S fees are separate from and in addition to all other rates chargeable by the Company under this tariff.

The fees as set forth in Schedule IPP-S-1 below will be in effect for customers subject to the IPP-S. Terms are as defined by IPP-S.

**SCHEDULE IPP-S-1****1.1. General Fees**

1.1.1. IWDP Application Fee: \$1,000.00

1.1.2. IWDP Transfer/Modification/Renewal Fee: \$250.00

1.1.3. Facility Inspection Fee: \$250.00 per inspection

1.1.4. Monitoring Report Review Fee: \$250.00 per monitoring report

1.1.5. Sampling and Analysis Fee: Actual cost of sampling and laboratory analysis plus 25% to cover administrative costs.

1.1.6. Accidental Discharge, Slug Control, and/or Monitoring Fee: Actual cost of response to accidental discharges or discharges of slugs loads, including but not limited to the costs incurred for any additional treatment or other actions required to manage such discharges, monitoring and response to such discharges, correction of any resulting contamination or other impacts to the Treatment Works, including the Collection System and Treatment Plant.

1.1.7. Compliance and Enforcement Fee - Administrative and Legal: Actual cost incurred by the Company for investigation and actions to address a User's non-compliance with the terms of this IPP or any IWDP.

1.1.8. Damage Repair: Actual cost for cleaning, repair, replacement and/or correction of any damage to the Treatment Works, including the Collection System and the Treatment Plant, caused or contributed to by a User's discharge.

(C) means Change

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section U – Industrial Pretreatment Program (Scranton-Area) (All Service Areas under Rate Zones 1 (Except Coatesville), 2, 3, 7-Sadsbury and 8-Turbotville) (IPP-S) (cont'd) (C)****1.1. Specific Fees**

1.1.1. **Industrial Loading Fee** - applicable on a quarterly basis to discharges with loadings above typical Domestic Sewage loadings up to but not exceeding any applicable Local Limit or IWDP limit, based on sampling and analysis by the Company and sampling required to be reported by the User under an IWDP:

Quarterly Fee (\$) =  $Q \times \{((\text{BOD5 Actual} - \text{BOD5 Domestic}) \times \text{BOD5 Cost Factor}) + ((\text{NH3-N Actual} - \text{NH3-N Domestic}) \times \text{NH3-N Cost Factor}) + ((\text{TSS Actual} - \text{TSS Domestic}) \times \text{TSS Cost Factor})\}$

Where:

BOD5 Actual = actual concentration of BOD5 in mg/l as measured by the Company or the Industrial User

BOD5 Cost Factor = Treatment cost for BOD5 for the system = 0.0045

BOD5 Domestic = 330 mg/l, the typical concentration in Domestic Sewage

NH3-N Actual = actual concentration of NH3-N in mg/l as measured by the Company or the Industrial User

NH3-N Cost Factor = Treatment cost for NH3-N for the system = 0.0063

NH3-N Domestic = 23 mg/l, the typical concentration in Domestic Sewage

Q = Total flow for the quarter measured in thousand gallons

TSS Actual = actual concentration of TSS in mg/l as measured by the Company or the Industrial User

TSS Cost Factor = treatment cost for TSS for the system = 0.0028

TSS Domestic = 350 mg/l, the typical concentration in Domestic Sewage

1.1.2. **Excess Loading Fee** - applicable to discharges with loadings that exceed a Local Limit or IWDP limit:

If in any monthly period, the loading of BOD5, NH3-N, or TSS exceeds a Local Limit or IWDP limit, then for the applicable parameter, in calculating the Industrial Loading Fee under §1.2.1, the BOD5 Cost Factor, NH3-N Cost Factor and/or TSS Cost Factor, applicable to the total loading of that parameter will be 125% of the value set forth in §1.2.1 to compensate for the additional administrative, oversight and management costs associated with managing such excessive loadings.

(C) means Change

**PENNSYLVANIA-AMERICAN WATER COMPANY**

**RULES AND REGULATIONS**

**Section U – Industrial Pretreatment Program (Scranton-Area) (All Service Areas under Rate Zones 1 (Except Coatesville), 2, 3, 7-Sadsbury and 8-Turbotville) (IPP-S) (cont'd) (C)**

**1.2 Specific Fees (cont'd)**

- 1.1.1. **Special Discharge Fee** - applicable to discharges with loadings or concentrations that exceed a Local Limit or IWDP limit and that impact sludge handling or disposal methods and costs, necessitate acquisition of nutrient credits, result in damages to the facility, or require extraordinary measures:

Fee = Actual cost incurred by the Company, including but not limited to: (1) additional costs of managing impacted sludge (including costs related to use of alternative disposal facilities, additional monitoring, etc.), (2) costs of acquiring nutrient credits to meet NPDES Permit cap limits; (3) costs of repairs to and restoration of the Treatment Works, including the Collection System and Treatment Plant; or (4) costs of implementing any other measures required to control, manage and address such excessive loadings or concentrations.

**(C) means Change**

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section V – Industrial Pretreatment Program (McKeesport-Area) Compliance****(C)**

This Section applies to Industrial and Commercial customers served under Rate Zone 6 of this tariff. All such customers shall comply with the "Industrial Pretreatment Program (McKeesport-Area)" ("IPP-M") as required by and submitted to the Pennsylvania Department of Environmental Protection and as may be amended from time to time. The currently effective IPP-M will be made available on the Company's website.

Such customers shall be responsible for the charges and fees scheduled below related to the implementation, administration, and enforcement of the IPP-M, and for the additional costs for treatment of wastewaters from such customers who have loadings and characteristics that are in excess of Domestic Sewage as defined by the IPP-M. Pursuant to the IPP-M, IPP-M fees are set by this tariff. IPP-M fees are separate from and in addition to all other rates chargeable by the Company under this tariff.

The fees as set forth in Schedule IPP-M-1 below will be in effect for customers subject to the IPP-M Terms are as defined by IPP-M.

**SCHEDULE IPP-M-1****1.1 General Fees**

- 1.1.1. IWDP Application Fee: \$1,000.00
- 1.1.2. IWDP Transfer/Modification/Renewal Fee: \$250.00
- 1.1.3. Facility Inspection Fee: \$250.00 per inspection
- 1.1.4. Monitoring Report Review Fee: \$250.00 per monitoring report
- 1.1.5. Sampling and Analysis Fee: Actual cost of sampling and laboratory analysis plus 25% to cover administrative costs.
- 1.1.6. Accidental Discharge, Slug Control, and/or Monitoring Fee: Actual cost of response to accidental discharges or discharges of slugs loads, including but not limited to the costs incurred for any additional treatment or other actions required to manage such discharges, monitoring and response to such discharges, correction of any resulting contamination or other impacts to the Treatment Works, including the Collection System and Treatment Plant.

**(C) means Change**

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section V – Industrial Pretreatment Program (McKeesport-Area) Compliance (cont'd) (C)**

- 1.1.7. Compliance and Enforcement Fee - Administrative and Legal: Actual cost incurred by the Company for investigation and actions to address a User's non-compliance with the terms of this IPP or any IWDP.
- 1.1.8. Damage Repair: Actual cost for cleaning, repair, replacement and/or correction of any damage to the Treatment Works, including the Collection System and the Treatment Plant, caused or contributed to by a User's discharge.

**1.2 Specific Fees**

- 1.2.1 Industrial Loading Fee - applicable on a quarterly basis to discharges with loadings above typical Domestic Sewage loadings up to but not exceeding any applicable Local Limit or IWDP limit, based on sampling and analysis by the Company and sampling required to be reported by the User under an IWDP:

Quarterly Fee (\$) =  $Q \times \{((\text{BOD5 Actual} - \text{BOD5 Domestic}) \times \text{BOD5 Cost Factor}) + ((\text{NH3-N Actual} - \text{NH3-N Domestic}) \times \text{NH3-N Cost Factor}) + ((\text{TSS Actual} - \text{TSS Domestic}) \times \text{TSS Cost Factor})\}$

Where:

BOD5 Actual = actual concentration of BOD5 in mg/l as measured by the Company or the Industrial User

BOD5 Cost Factor = Treatment cost for BOD5 for the system = 0.0045

BOD5 Domestic = 330 mg/l, the typical concentration in Domestic Sewage

NH3-N Actual = actual concentration of NH3-N in mg/l as measured by the Company or the Industrial User

NH3-N Cost Factor = Treatment cost for NH3-N for the system = 0.0063

NH3-N Domestic = 23 mg/l, the typical concentration in Domestic Sewage

Q = Total flow for the quarter measured in thousand gallons

TSS Actual = actual concentration of TSS in mg/l as measured by the Company or the Industrial User

TSS Cost Factor = treatment cost for TSS for the system = 0.0028

TSS Domestic = 350 mg/l, the typical concentration in Domestic Sewage

(C) means Change

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section V – Industrial Pretreatment Program (McKeesport-Area) Compliance (cont'd) (C)**

- 1.2.2. Excess Loading Fee - applicable to discharges with loadings that exceed a Local Limit or IWDP limit:

If in any monthly period, the loading of BOD5, NH3-N, or TSS exceeds a Local Limit or IWDP limit, then for the applicable parameter, in calculating the Industrial Loading Fee under §1.2.1, the BOD5 Cost Factor, , NH3-N Cost Factor and/or TSS Cost Factor, applicable to the total loading of that parameter will be 125% of the value set forth in §1.2.1 to compensate for the additional administrative, oversight and management costs associated with managing such excessive loadings.

- 1.2.3. Special Discharge Fee - applicable to discharges with loadings or concentrations that exceed a Local Limit or IWDP limit and that impact sludge handling or disposal methods and costs, necessitate acquisition of nutrient credits, result in damages to the facility, or require extraordinary measures:

Fee = Actual cost incurred by the Company, including but not limited to: (1) additional costs of managing impacted sludge (including costs related to use of alternative disposal facilities, additional monitoring, etc.), (2) costs of acquiring nutrient credits to meet NPDES Permit cap limits; (3) costs of repairs to and restoration of the Treatment Works, including the Collection System and Treatment Plant; or (4) costs of implementing any other measures required to control, manage and address such excessive loadings or concentrations.

(C) means Change

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section W – Industrial Pretreatment Program (Exeter-Area) Compliance****(C)**

This Section applies to Industrial and Commercial customers served under Rate Zone 9 of this tariff. All such customers shall comply with the "Industrial Pretreatment Program (Exeter)" ("IPP-E") as required by and submitted to the Pennsylvania Department of Environmental Protection and as may be amended from time to time. The currently effective IPP-E will be made available on the Company's website.

Such customers shall be responsible for the charges and fees scheduled below related to the implementation, administration, and enforcement of the IPP-E, and for the additional costs for treatment of wastewaters from such customers who have loadings and characteristics that are in excess of Domestic Sewage as defined by the IPP-M. Pursuant to the IPP-E, IPP-E fees are set by this tariff. IPP-M fees are separate from and in addition to all other rates chargeable by the Company under this tariff.

The fees as set forth in Schedule IPP-E-1 below will be in effect for customers subject to the IPP-E Terms as defined by IPP-E.

**SCHEDULE IPP-E-1****1.1 General Fees**

- 1.1.9. IWDP Application Fee: \$1,000.00
- 1.1.10. IWDP Transfer/Modification/Renewal Fee: \$250.00
- 1.1.11. Facility Inspection Fee: \$250.00 per inspection
- 1.1.12. Monitoring Report Review Fee: \$250.00 per monitoring report
- 1.1.13. Sampling and Analysis Fee: Actual cost of sampling and laboratory analysis plus 25% to cover administrative costs.
- 1.1.14. Accidental Discharge, Slug Control, and/or Monitoring Fee: Actual cost of response to accidental discharges or discharges of slugs loads, including but not limited to the costs incurred for any additional treatment or other actions required to manage such discharges, monitoring and response to such discharges, correction of any resulting contamination or other impacts to the Treatment Works, including the Collection System and Treatment Plant.

**(C) means Change**

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section V – Industrial Pretreatment Program (Exeter-Area) Compliance (cont'd)****(C)**

- 1.1.15. Compliance and Enforcement Fee - Administrative and Legal: Actual cost incurred by the Company for investigation and actions to address a User's non-compliance with the terms of this IPP or any IWDP.
- 1.1.16. Damage Repair: Actual cost for cleaning, repair, replacement and/or correction of any damage to the Treatment Works, including the Collection System and the Treatment Plant, caused or contributed to by a User's discharge.

**1.3 Specific Fees**

- 1.2.1 Industrial Loading Fee - applicable on a quarterly basis to discharges with loadings above typical Domestic Sewage loadings up to but not exceeding any applicable Local Limit or IWDP limit, based on sampling and analysis by the Company and sampling required to be reported by the User under an IWDP:

Quarterly Fee (\$) =  $Q \times \{((\text{BOD5 Actual} - \text{BOD5 Domestic}) \times \text{BOD5 Cost Factor}) + ((\text{TSS Actual} - \text{TSS Domestic}) \times \text{TSS Cost Factor})\}$

Where:

BOD5 Actual = actual concentration of BOD5 in mg/l as measured by the Company or the Industrial User

BOD5 Cost Factor = Treatment cost for BOD5 for the system = 0.0095

BOD5 Domestic = 250 mg/l, the typical concentration in Domestic Sewage

Q = Total flow for the quarter measured in thousand gallons

TSS Actual = actual concentration of TSS in mg/l as measured by the Company or the Industrial User

TSS Cost Factor = treatment cost for TSS for the system = 0.00648

TSS Domestic = 250 mg/l, the typical concentration in Domestic Sewage

**(C)** means Change

**PENNSYLVANIA-AMERICAN WATER COMPANY****RULES AND REGULATIONS****Section V – Industrial Pretreatment Program (Exeter-Area) Compliance (cont'd)****(C)**

- 1.2.2. Excess Loading Fee - applicable to discharges with loadings that exceed a Local Limit or IWDP limit:

If in any monthly period, the loading of BOD5, or TSS exceeds a Local Limit or IWDP limit, then for the applicable parameter, in calculating the Industrial Loading Fee under §1.2.1, the BOD5 Cost Factor and TSS Cost Factor, applicable to the total loading of that parameter will be 125% of the value set forth in §1.2.1 to compensate for the additional administrative, oversight and management costs associated with managing such excessive loadings.

- 1.2.3. Special Discharge Fee - applicable to discharges with loadings or concentrations that exceed a Local Limit or IWDP limit and that impact sludge handling or disposal methods and costs, necessitate acquisition of nutrient credits, result in damages to the facility, or require extraordinary measures:

Fee = Actual cost incurred by the Company, including but not limited to: (1) additional costs of managing impacted sludge (including costs related to use of alternative disposal facilities, additional monitoring, etc.), (2) costs of acquiring nutrient credits to meet NPDES Permit cap limits; (3) costs of repairs to and restoration of the Treatment Works, including the Collection System and Treatment Plant; or (4) costs of implementing any other measures required to control, manage and address such excessive loadings or concentrations.

(C) means Change

## **F. PAWC Lift Station Inventory and Assessment**

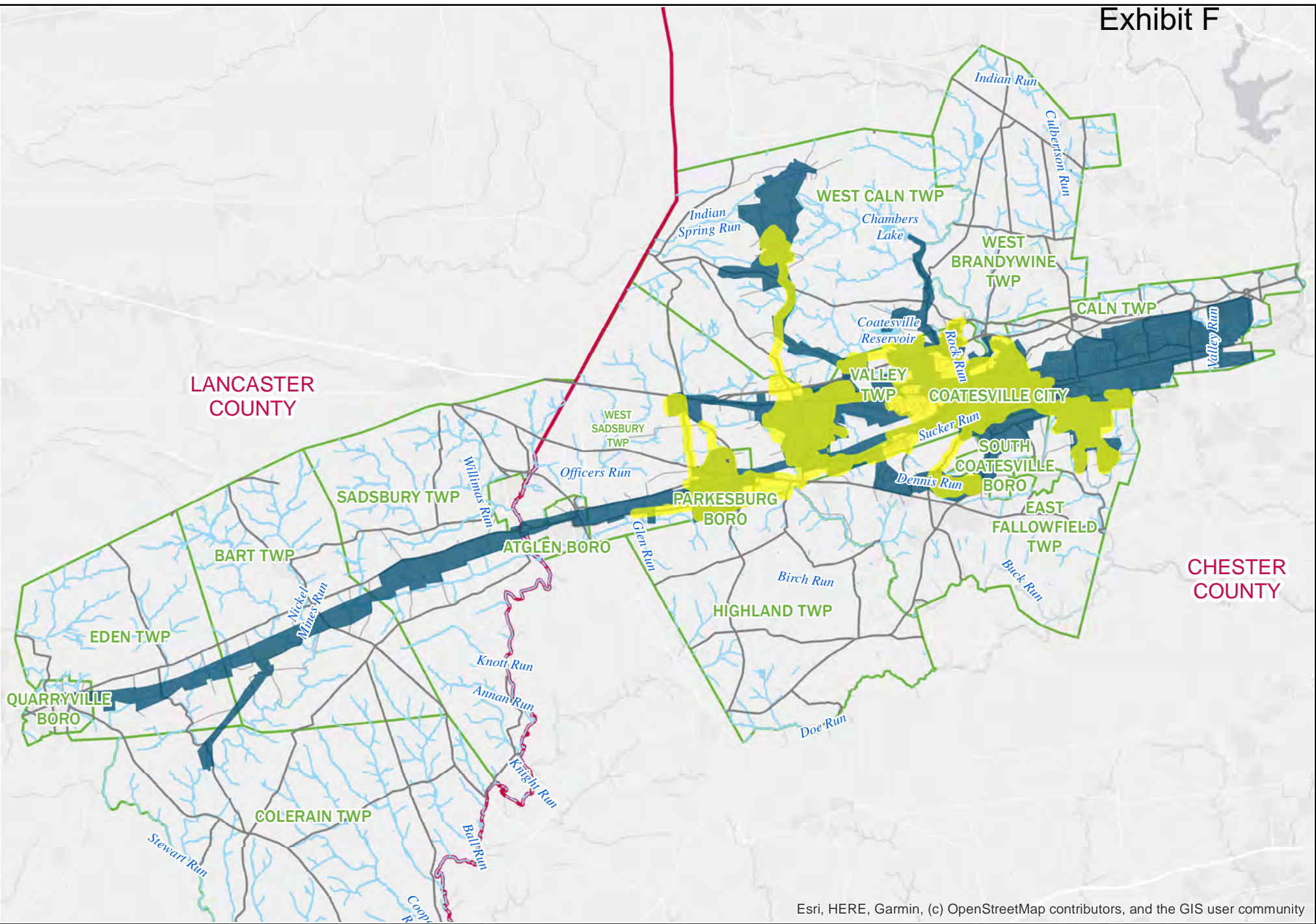
Lift Station	No. of Pumps	Pump Manufacturer	Model	HP	Pump Suction/ Discharge Diameter (In.)	Force Main Diameter	Generator N/Y	Capacity, each unit
Branford Village Lift Station #1	2	Flygt	3171.095-0249	35	4" / 4"	8"	Y	309 gpm @ 127'
Branford Village Lift Station #2	2	Flygt	3153.095-0735 Sub.	20	4" / 4"	4"	Y	135 gpm @ 118'
Brinton Station Lift Station #1	2	ABS	Piranha – PE8072	10.7	4" / 4"	4"	Y	87 gpm @ 118'
Brinton Station Lift Station #2	2	Flygt	3085. ??? Sub	2	2" / 2"	2"	N	27 gpm @ 39'
Derry Lane Pump Station (Fieldstone)	2	Flygt	3153.181 Sub	30	4" / 4"	4"	Y	100 gpm @ 160'
Millview Lift Station	2	Flygt	3153.095-0268 Sub.	15	4" / 4"	6"	Y	178 gpm @ 65'
Northwoods Lift Station	2	Flygt	3085.891 Sub.	4	2" / 2"	2"	Y	35 gpm @ 68'
Parkesburg Lift Station	2	Flygt	3202.185-NT 458	60	4"	10"	Y	1530 gpm @ 84'
	2	Flygt	3231.185-NT 480	185	6"	12"	Y	2750 gpm @ 165'
Providence Hill Lift Station	2	Flygt	3171.185-0733	25	4" / 4"	6"	Y	250 gpm @ 109'
Robins Cove #1 Lift Station	2	Flygt	3102.890-9472	6	2" / 2"	2-1/2"	Y	55 gpm @ 119'
Robins Cove #2 Lift Station	2	Flygt	3202.095-0466	72	6" / 6"	8"	Y	550 gpm @ 217'
Sandy Hill Lift Station	2	Flygt	3153.095-5203	15	4" / 4"	4"	Y	276 gpm @ 97'
Strasburg Hunt Lift Station #1 (Short Drive)	2	Flygt	3085.891-0209 Sub.	3	2" / 2"	2"	N	43 gpm
Strasburg Hunt Lift Station #2 (Windy Hill)	2	Flygt	3127.890-5142 Sub.	5	2" / 2"	2"	N	52 gpm @ 90'
West Sadsbury Lift Station (Quebecor)	2	Flygt	3127.185-5231 Sub.	11	4" / 4"	4"	Y	175 gpm @ 102'
West Sadsbury Commons Lift Station	2	Flygt	3153.095-0303 Sub.	20	4" / 4"	4"	Y	130 gpm @ 126'
West Sadsbury Lower Valley Road (Victory)	2	Flygt	NP3153 HT Sub.	15	4" / 4"	4"	Y	149 gpm @ 86.7'
Sadsbury Pump Station	2	Gorman Rupp	T6A-B	Unknown	6" / 6"	10"	Y	700 gpm
Highlands Corp Center P.S. #1	2	Flygt	NP-3127.070	11	3" / 3"	3"	Y	150 gpm
Country Ridge P.S.	2	Flygt	NP-3127.070	11	3" / 3"	4"	Y	85 gpm @ 120.5'
Hillview P.S	2	Flygt	NX-3171.095	35	4" / 4"	4"	Y	220 gpm @ 178'
Rock Run P.S	2	Flygt	CP-3170	30	6"	10", 6"	Y	800 gpm @ 85'
Valley View Business Park P.S.	2	Barnes	XSGV-L 6.00" IMPELLER	5	2"	2"	Y	33 gpm @ 135'
Round Hill P.S. #1	2	Flygt	NX-3102.070	5	4" / 4"	4"	Y	160 gpm @ 38/67'
Round Hill P.S. #2	2	Flygt	MP-3085.891	4	1.5" / 1.5"	2"	Y	40 gpm @ 68.69'
Valley Suburban Pump Station (Hamilton)	2	Flygt	3085.070-2230077	4	2" / 2"	4"	Y	Unknown
CVS Pump Station	2	Flygt	3153.095-0012	23	4" / 4"	6"	Y	400 gpm @ 125'

Lift Station	Condition Assessment Rating	Note
Branford Village Lift Station No. 1	75	Structure & piping in good condition, shows minor signs of rusting, pumps operating well below capacity.
Branford Village Lift Station No. 2	58	Structure in fair condition, pipe rusting evident, pumps operating above rated capacity
Brinton Station Lift Station No. 1	88	Structure in excellent condition, piping showing signs of rusting.
Brinton Station Lift Station No. 2	58	Structure in fair condition, piping showing signs of rusting.
Derry Lane Pump Station	95	Structure and piping in excellent condition.
Millview Lift Station	70	Structure & piping in good condition, debris in wet well, pumps under performing.
Northwoods Lift Station	95	Structure and piping in excellent condition.
Parkesburg Lift Station	95	Wet well, dry well, & piping in excellent condition. Pumping units replaced with larger capacity.
Providence Hill Lift Station	95	Structure in excellent condition. Pumps operating above rated capacity.
Robins Cove No. 1 Lift Station (Stone Creek)	95	Structure in excellent condition. Pumps operating above rated capacity.
Robins Cove No. 2 Lift Station (Stone Creek)	92	Structure in excellent condition. Piping shows slight sign of rusting. Pumps operating above rated capacity.
Sandy Hill Lift Station	62	Structure and piping in fair condition.
Strasburg Hunt Lift Station No. 1 (Short Drive)	55	Structure in fair condition, pipe rust evident.
Strasburg Hunt Lift Station No. 2 (Windy Hill)	62	Structure and piping in fair condition.
West Sadsbury Lift Station (Quebecor)	62	Structure & piping in fair condition.
West Sadsbury Commons Lift Station	58	Structure & piping in fair condition, pumps operating below rated capacity.
West Sadsbury Lower Valley Road	95	Structure in excellent condition.
Sadsbury Pump Station	Unknown	N/A
Highlands Corp Center P.S. #1	Unknown	N/A
Country Ridge P.S.	Unknown	N/A
Hillview P.S	Unknown	N/A
Rock Run P.S	Unknown	N/A
Valley View Business Park P.S.	Unknown	N/A
Round Hill P.S. #1	Unknown	N/A
Round Hill P.S. #2	Unknown	N/A
Valley Suburban Pump Station (Hamilton)	100	Built/came online in 2023.
CVS Pump Station	100	Built/came online in 2023.

## US Army Corps of Engineering Conditions Index Scales

Zone	CI	Condition Description	Recommended Action
1	85 to 100	Excellent: No noticeable defects. Some aging or wear may be visible	Immediate action is not required
	70 to 84	Good: Only minor deterioration or defects are evident.	
2	55 to 69	Fair: Some deterioration or defects are evident, but function is not significantly affected.	Economic analysis of repair alternatives is recommended.
	40 to 54	Marginal: Moderate deterioration. Function is still adequate.	
3	25 to 39	Poor: Serious deterioration in at least some portions of structure. Function inadequate.	Detailed evaluation is required to determine the need to repair, rehab, or reconstruction
	10 to 24	Very Poor: Extensive deterioration. Barely functional.	
	0 to 9	Failed: No longer functions. General failure or complete failure of a major structural component.	

## **G. Map of Certificated Franchise Area**

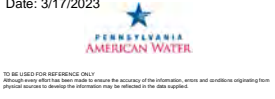


Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

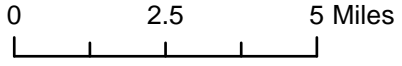
■ Waste Water Service Area
 ■ County Boundaries
 ■ Municipal Boundary
 ■ Water Bodies

■ Water Service Area
 ■ Roads

Date: 3/17/2023



1 in = 3 miles



**Coatesville Water/Wastewater Service Areas**

Drawn By: Justin Sena      Checked By:

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## H. List of Developments

## Developments Approved or Exempt Under Construction

NAME	TOTAL EQ. EDU's	EDUS EQ. ACTIVE	EDUS REMAINING	Equivalent Population*
<b>City of Coatesville</b>				
Brandywine View Apartments	638	0	638	1,595
<b>Valley Township</b>				
Highlands Corp. Center Phase I, II, III	102	91	11	28
Glencrest Road Residences (Oakcrest)	30	22	8	20
Valley Suburban (Valley Square) - Lot 2 Residential	98	12	86	215
Cleveland - Cliffs Building Expansion	2	0	2	5
Mt. Airy Road Existing Residences (Valley Farm)	81	56	25	63
<b>Caln Township</b>				
Dogwood & Scott Drive Sewer Extension	69	48	21	53
<b>West Brandywine Township</b>				
Culbertson Village Residential	178	0	178	445
Traditions of America	227	226	1	3
Traditions of America at Harvest Run	183	0	183	458
<b>Parkesburg Borough</b>				
Lindale Village	31	0	31	78
Davis Tract	324	5	319	798
Phillips Site	4	2	2	5
Parkesedge Apartments	32	5	27	68
<b>West Caln Township</b>				
Calnshire West	124	105	19	48
Lapp Tract	3	1	2	5
<b>West Sadsbury Township</b>				
Lower Valley Road Partners, LP (Victory)	311	232	79	198
JD Eckman (4781 Lower Valley Road)	96	35	61	153
			<b>1,693</b>	<b>4,233</b>

\* Population estimated by multiplying EDU projections by 2.5 people per EDU

2023 CHAPTER 94 REPORT

Exhibit F

Developments Approved or Exempt Not Yet Under Construction

NAME	EDUS REMAINING	Equivalent Population*
<b>City of Coatesville</b>		
701 ELH - Residential	7	18
731 ELH - Residential	9	23
Valley Road Apartments	9	23
Gateway Development (Lipkin Building)	38	95
New Amtrak Station	8	20
Habitat for Humanity: Coates Street	5	13
Habitat for Humanity: Lumber Street	5	13
<b>Valley Township</b>		
440 Highlands Blvd.	2	5
Valley Suburban (Valley Square) - Lot 1 Residential	100	250
Valley Suburban (Valley Square) - Lot 3 Commercial	142	355
Micronic USA	2	5
Abdala Building Expansion	2	5
119 Mount Carmel Road	1	3
Lawrence Professional Center	2	5
Valley View Business Park - Lot 8C Residential	1	3
Westwood Ridge	87	218
<b>Caln Township</b>		
Southwoods Subdivision	20	50
Fox Ave Subdivision	11	28
<b>West Brandywine Township</b>		
Existing Unconnected EDU's	2	5
Culbertson Village Commercial	28	70
<b>Sadsbury Township</b>		
Lincoln Crest MHP (Additional EDU's)	50	125
<b>East Fallowfield Township</b>		
South Brandywine Elementary School	26	65
Proposed Township Building	5	13
<b>Parkesburg Borough</b>		
Crystal Springs Expansion (Heritage)	129	323
	<b>680</b>	<b>1,700</b>

\* Population estimated by multiplying EDU projections by 2.5 people per EDU

**2023 CHAPTER 94 REPORT  
Developments in Preliminary Planning Stages**

Exhibit F

NAME	EDUS REMAINING	Equivalent Population*
<b>City of Coatesville</b>		
Marriott Restaurant	31	78
Chetty Towers 1 - Residential	60	150
Chetty Towers 1 - Commercial	10	25
Chetty Towers 2 - Residential	150	375
Chetty Towers 2 - Commercial	25	63
Chetty Tower 3 - Residential	325	813
Chetty Tower 3 - Commercial	66	165
Chetty Tower 4 - Residential	48	120
Chetty Tower 4 - Commercial	6	15
Chetty Tower 5 - Residential	195	488
Chetty Tower 5 - Commercial	34	85
Chetty Tower 6 - Residential	85	213
Chetty Tower 6 - Commercial	9	23
The Flats	200	500
Pulver Office Building 2	25	63
Pulver Office Building 3	25	63
Pulver Office Building 4	25	63
Pulver Office Building 5	12	30
Pulver Office Building 6	12	30
129-133 ELH - Residential	32	80
129-133 ELH - Commercial	3	8
Cansler Tower East - Residential	65	163
Cansler Tower East - Commercial	9	23
Cansler Tower West - Residential	40	100
Cansler Tower West - Commercial	6	15
Regional Recreation Complex	20	50
Steel Heritage Museum	20	50
G.O. Carlson/Mittal Steel Tract	30	75
300 East Lincoln Highway	10	25
Legend Properties (Lipkin Apartments)	55	138
Coatesville Misc (2 EDU's or less)	6	15
<b>Valley Township</b>		
Rainbow Village Existing Residences	30	75
Valley View Business Park - Lot 8A Industrial	6	15
Valley View Business Park - Lot 8B Industrial	7	18
Airport Expansion	12	30
Valley Overlook (339 East Drive)	22	55
<b>Caln Township</b>		
Toomey Estates (Blackhorse Hills Apartments)	75	188
Caln Road	40	100
Caln Misc (2 EDU's or less)	235	588

**2023 CHAPTER 94 REPORT  
Developments in Preliminary Planning Stages**

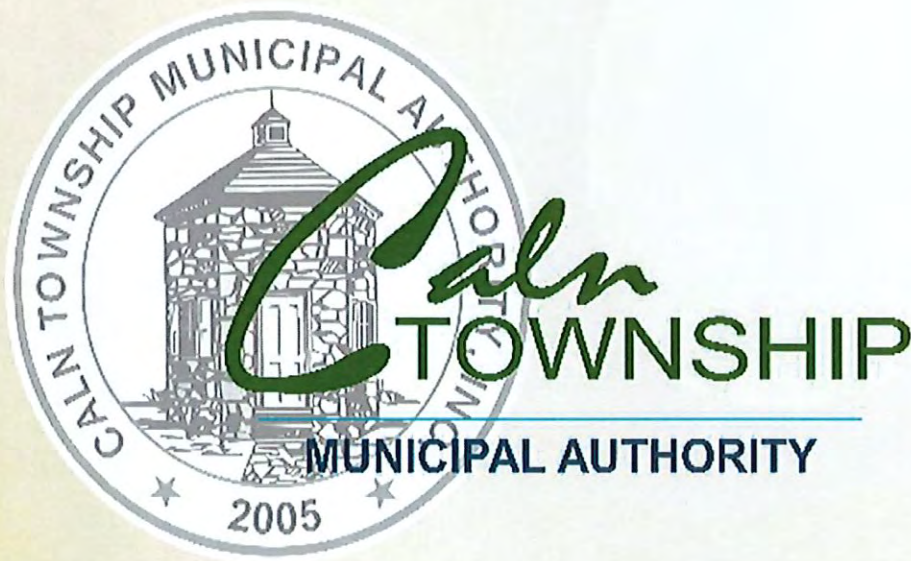
Exhibit F

<b>West Brandywine Township</b>		
Janiec/Cobblestone	34	85
Traditions of America No. 3	258	645
<b>Highland Township</b>		
Highland Misc (2 EDU's or less)	4	10
<b>Sadsbury Township</b>		
Sadsbury Township Existing Residents	55	138
Sadsbury Commons	240	600
Sadsbury Commons - Medical Office	3	8
Sadsbury Commons Reserve	3	8
Sadsbury Commons Misc. Flow	26	65
CVS Total Development	24	60
<b>East Fallowfield Township</b>		
Mount Carmel Area	24	60
Stottsville Area	32	80
South Brandywine Area	58	145
East Fallowfield Misc (2 EDU's or less)	2	5
<b>Parkesburg Borough</b>		
Siti Crook - Maple Alley	2	5
Octorara Avenue	3	8
Parkesburg Misc (2 EDU's or less)	8	20
<b>West Caln Township</b>		
1221 Airport Road, LLP (Sands Property)	234	585
West Caln Misc (2 EDU's or less)	4	10
<b>West Sadsbury Township</b>		
Mast Property	600	1,500
Springer Development	20	50
Autozone	2	5
West Sadsbury Misc (2 EDU's or less)	4	10
<b>3,706</b>		<b>9,265</b>

\* Population estimated by multiplying EDU projections by 2.5 people per EDU

# I. Caln Township 2023 Chapter 94 Report

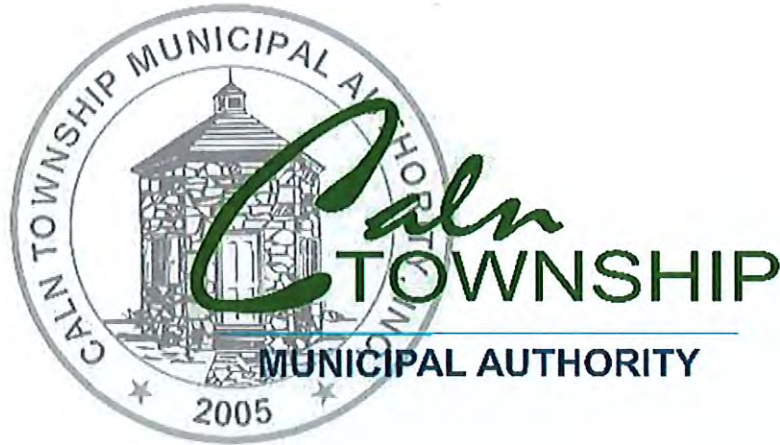
# 2023 Chapter 94 Annual Report Municipal Wasteload Management



**Caln Township &  
Caln Township Municipal Authority  
Chester County, Pennsylvania  
February 2024**


# 2023 CHAPTER 94 ANNUAL REPORT


## MUNICIPAL WASTELOAD MANAGEMENT




### CALN TOWNSHIP & CALN TOWNSHIP MUNICIPAL AUTHORITY CHESTER COUNTY, PENNSYLVANIA FEBRUARY 2024

  
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George Chambers, Chairman  
Caln Township Municipal Authority

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## Appendices

### Appendix A (DARA Service Area)

- Exhibit 1-Planned Equivalent Dwelling Units (EDU's)
- Exhibit 2-Projected Hydraulic Loadings
- Chart 1-Total 5 Years Flows/Hydraulics Loadings

### Appendix B (PAWC Service Area)

- Exhibit 3-Planned Equivalent Dwelling Units (EDU's)
- Exhibit 4-Projected Hydraulic Loadings
- Chart 2- Total 5 Years Flows/Hydraulic Loadings

### Appendix C (DARA & PAWC Service Area)

- Exhibit 5-Map of proposed Projects and Their Extensions and Extensions Constructed in the Last Year
- I&I Analysis Map showing lines that were televised by year.
- Caln Interceptor Repair Exhibit Phases 1-6

### Appendix D

- Copies of Ordinances and Resolutions Relating to Industrial Users
- Copy of Resolution 2006-3-CTMA Establishing Rules and Regulations for the Installation, Use and Maintenance of Privately Owned Pump Stations

### Appendix E

- Copies of the Meter Calibration Reports along with Flow Data for the Metering and Pump Stations

### Appendix F

- PADEP Planning Module Correspondence

### Appendix G

- Municipal Drive Pump Station Discussion

### Appendix H

- Fisherville Road Pump Station (Kings Grant)

### Appendix I

- Moore Road Pnmp Station (Hillview)

### Appendix J

- March 26, 2010 Caln Township Act 537 Approval Letter
- December 30, 2013 PADEP Preliminary Treatment Requirements Letter
- January 28, 2014 PADEP Act 537-DARA Expansion Plan of Study Approval Letter
- June 28, 2021 PADEP Act 537 Caln Township Plan of Study and Task Activity Report Approval Letter
- November 28, 2022, Chester County Planning Commission Caln Township Act 537 Plan Update Review Letter
- January 17, 2023, Chester County Health Department Caln Township Act 537 Plan Update Review Letter

**2023 CHAPTER 94**  
**ANNUAL REPORT**  
**CALN TOWNSHIP MUNICIPAL AUTHORITY**

**1) INTRODUCTION**

Public sewage collected in Caln Township (henceforth “Township”), Chester County, is conveyed to and treated by two treatment plants. Predominantly the public sewage in Caln Township discharges to the Downingtown Regional Water Pollution Control Center (DRWPCC), operated by Downingtown Area Regional Authority (DARA). The remainder of the flow goes to the Pennsylvania American Water Company (PAWC) Wastewater Treatment Plant, located in Coatesville, which is owned and operated by PAWC.

Caln Township, along with East Caln Township, Uwchlan Township, West Whiteland Township, and the Borough of Downingtown, entered into an inter-municipal agreement with DARA in 1985. This agreement assigned DARA with the ownership of the DRWPCC facilities as well as stipulated each party’s flow allocation to the facility. Similarly, Caln Township has an agreement with PAWC dated April 1966 (Township/CCA Agreement) and an agreement dated March 2005 (Township/PAWC Agreement) that stipulates flow allocation from the Township to the PAWC Treatment Facility.

Articles of Incorporation were filed on January 12, 2005, for the incorporation of the Caln Township Municipal Authority (henceforth “Authority”) pursuant to the Municipality Authorities Act. In a Management Agreement dated May 12, 2005, between the Township and the Authority, the Township agreed to convey all real property and personal property interests that the Township owned that comprised the Caln Township Sewer System to the Authority. On July 1, 2005, the Township transferred all of its right, title and interest to all sanitary sewers, pump stations, all easements, rights-of-way and other property interests that the Township owned which are used or useful in connection with the maintenance and operation of sanitary sewers located in the Township.

The Caln Township Municipal Authority, in conjunction with the Township, will be responsible for the implementation of the Township’s Official Act 537 Plan.

## 2) DISCUSSION OF CURRENT AND PROJECTED HYDRAULIC LOADINGS

### *DARA Treatment Facility*

The Authority's flow to the DARA Treatment Facility is calculated based on three flow meters and one set of water use billing statements. Approximately 95% of the flow passes through the Aston Avenue meter, on the Authority's main interceptor.

The Downing Ridge meter (associated with the Marsh Creek Interceptor), the St. Martha's West meter, and the Downingtown Middle School water use billing statements account for the remaining 5%. The summation of these flows gives the Township a 5-year equivalent adjusted flow of 1,399,673 gallons per day (gpd), which represents the Township's flow to the DARA Treatment Facility.

In order to adequately address the influent flow fluctuations resulting from the uneven precipitation patterns of the last several years, DARA summarizes the flows to the DRWPCC for the past five years and adds to those values the flow contributions from all sewer connections made the following years. As stated above the 5-year equivalent adjusted daily average flows from the Township into the DARA Treatment Facility was 1,399,673 gpd last year. The connection of an additional 1,059 EDUs is anticipated for the next five years. If all of these connections are made, 264,750 gpd (1,059 EDU \* 250 gpd per EDU = 264,750 gpd) will be added to the current flow, yielding a total 5-year adjusted flow of 1,664,423 gpd. Exhibit 1 in Appendix A lists the Planned Additional EDUs anticipated for this Facility. Exhibit 2 in Appendix A lists the Projected Hydraulic Loading for this Facility. Chart 1 is the graphical presentation of the Hydraulic Loading for this Facility. With the completion of the new Municipal Drive Pump Station in November 2020, flow is projected to be diverted from DARA to PAWC in amounts equal to what is shown on Exhibits 1 and 3 to maintain 100% of the 52-week daily average of 1,387,500 gpd allocated at DARA Treatment Facility.

Prior to 2001, the Township was allocated 1,225,000 gpd by DARA (which was equivalent to 17.5% of the 7 MGD DARA treatment plant initial capacity). However, the plant was re-rated for 7.5 MGD, which increased the Township's allocation by 87,500 gpd (which is equivalent to 17.5% of the additional 0.5 MGD) to 1,312,500 gpd. This additional capacity was granted to the Township on April 02, 2004, when the PADEP granted approval of the previously submitted document entitled "Act 537 Official Sewage Facilities Plan: Downingtown Area Regional Authority Planning Area Study".

As part of the November 7, 2005, Act 537 submission to the PADEP, the PADEP granted approval of Phase I on April 25, 2006, which addressed the purchase of 75,000 gpd of sewer treatment capacity at DARA from the Borough of Downingtown. This brought the Township's total allocated capacity at the DARA treatment facility to 1,387,500 gpd in 2008. This capacity is reflected in the attached chart 1.

The Caln Township Act 537 plan submitted to the Pennsylvania Department of Environmental Protection (PADEP) on November 7, 2005, was approved by the PADEP on March 26, 2010. The Township's Plan was segmented into three phases for ease of PADEP approval as follows:

- I. DARA service area (PADEP Granted Approval on April 26, 2006)
  - II. Capacity in the existing PAWC Wastewater Treatment Plant (Approved November 11, 2009)
  - III. Capacity in an expanded PAWC Wastewater Treatment Plant (PADEP Granted Approval on November 19, 2009)
- In October 2013, Caln Township prepared and submitted an Act 537 Plan of Study Update to DARA, and on December 4, 2013, DARA submitted the Plan of Study to the PADEP. On January 28, 2014, the PADEP granted approval of the proposed Plan of Study which will allow the evaluation of the potential for the expansion of the Downingtown Area Regional Authority's Wastewater Treatment Facility to meet the future sewer treatment capacity needs of its member Municipalities. Copies of the PADEP's December 30, 2013, and January 28, 2014, response letters are enclosed in Appendix I of this report.
  - DARA began discussions with the PADEP in 2020, to increase the capacity at the DARA plant by 1 million gallons per day. The project would spread costs over several years to reduce impact on the municipal budgets and to ensure that local development is not impeded due to lack of capacity. Maintaining the Township's current proportion of treatment capacity, a 1.0 MGD annual average flow capacity increase at the DARA plant would increase the Township's allocation by 185,000 GPD. This would increase the Township's annual average flow treatment allocation from 1.3875 MGD to 1.5725 MGD (an increase of 13.3%). Pursuant to the Downingtown Area Regional Authority's intent to increase treatment capacity, the Township submitted a Plan of Study for Caln Township's Act 537 Plan Update to the PADEP on May 20, 2021. A primary goal of the Act 537 Plan Update is the identification of sewer capacity needs in the Township and potential revised

sewer service area for the DARA Wastewater Treatment Plant. On June 28, 2021, the PADEP approved the submitted Caln Township’s Act 537 Plan of Study Update Task Activity Report. PADEP’s June 28, 2021, response letters are enclosed in Appendix J of this report. During 2022 the Authority continued working on their Plan of Study and received review comments back from the Chester County Planning Commission and the Chester County Health Department which are enclosed in Appendix J of this report. On August 14, 2023, the Township submitted the most up-to-date draft of the Caln Township Act 537 Plan Update for review and comment to DARA and DARA responded that the Plan is consistent with their intent and previous discussions and nothing else further will need to be at this time. The projected timeline estimate for the project is:

Step	Anticipated Time Frame
DARA Submit Model Study to PADEP	Completed
DARA Resolution of Permitting Issues	March 2023-December 2023
Act 537 Planning and PADEP Approval	Ongoing – October 2023
DARA Engineering Design of Improvements	January 2024-September 2024
DARA Construction (Part II) Permit Submittal to PADEP	October 2024
DARA Receives Part II Approval	June 2025
DARA Commence Construction of Improvements	January to September 2026

As of the end of the year the Township’s DARA EDUs are broken down as follows:

1. Residential Users (4,458)
  - 3,256 Single family
  - 226 Age Restricted
  - 682 Apartments
  - 294 Townhouses
  
2. Industrial Users (1) (Water usage is based on PAWC Billing)
  - AGC Chemicals America 52 EDUs 13,000 gpd (based on the January 23, 2023, AGC Certification)

3. Commercial Users (323)  
694 EDUs

The Authority is not aware of any sewers within the current DARA service area in Caln Township that are projected to be overloaded in the next five years. No overflows or surcharges were experienced by any portion of the system during the past year. Flow monitoring is addressed under Section 7 beginning on page 9 of this report.

*PAWC Treatment Facility*

The Authority's flow to the PAWC treatment facility is calculated using three sources. The two permanent wastewater flow meters are located at Carver Court and the Municipal Drive Pump Station. In the Megargee Heights, Brandywine Fabricators and Keehn Service Group service area, there are no wastewater flow meters; therefore, the drinking water flow is used to estimate the Megargee Heights, Brandywine Fabricators and Keehn Service Group service area wastewater flow. The summation of these flows gives the Township a 5-year adjusted average daily flow of 158,828 gpd, which represents the Township's 5-year adjusted average daily flow to the PAWC Treatment Facility. It should be noted that although located in the Township, the Veterans Administration Hospital and the Brandywine Hospital both discharge wastewater to the PAWC treatment facility. However, the Veterans Administration Hospital is a direct customer of PAWC, and the Brandywine Hospital is a direct customer of West Brandywine Township, and their wastewater flows are considered independent of the Township's wastewater flows.

As mentioned above, the 5-year adjusted daily average flows from the Township into the PAWC Treatment Facility were 158,828 gpd last year. Connection of an additional 180 EDUs is anticipated for the next five years, as shown in Exhibit 3. If all these connections were made, 45,000 gpd ( $180 \text{ EDU} * 250 \text{ gpd per EDU} = 45,000$ ) would be added to the current flow, yielding a total 5-year average daily adjusted flow of 203,828 gpd. In addition, with the completion of the new Municipal Drive Pump Station in November 2020, flow is projected to be diverted in 2023 from DARA to PAWC in amounts equal to what is shown on Exhibits 1 and 3 to maintain 100% of the 52-week daily average of 1,387,500 gpd allocated at DARA Treatment Facility. This will make the 5-year adjusted flow to PAWC 480,751 gpd. Exhibit 3 in Appendix B lists the Planned Additional EDUs anticipated for this Facility along with the projected diversion flows from DARA to PAWC. Exhibit 4 in Appendix B lists the Projected Hydraulic Loading for this Facility. Chart 2 is the graphical presentation of the Hydraulic Loading for this Facility.

The March 2005 PAWC/Caln Township agreement allocates 570,000 gpd of capacity to Caln Township as a bulk customer, prior to the PAWC Plant Expansion. The flows may originate in any portion of the Township and be treated at the existing treatment facility. In accordance with this plan, the Municipal Drive Pump Station was constructed adjacent to the Township's interceptor to enable collection and pumping of additional flows to the PAWC existing treatment facility. This flow diversion is addressed as part of the Township's 2005 Act 537 Plan and 2006 Regional Act 537 Plan approved by the PADEP on November 19, 2009.

On November 19, 2009, the PADEP issued its approval of the 2006 Act 537 Regional Plan and in March 2009 approved the Caln Township Act 537 Plan. The Plans provide for 800,000 gpd of flow capacity in the expanded PAWC treatment facility for Caln Township, consistent with the terms and conditions set forth in the Wastewater Treatment Agreement with PAWC dated March 10, 2005.

As of the end of the year the Authority's PAWC EDUs are broken down as follows:

1. Residential Users (832)
  - 643 single family
  - 99 Apartments
  - 90 Age Restricted
2. Commercial Users (30)
  - 323 EDUs

The Authority is not aware of any sewers within the current PAWC service area in Caln Township that are projected to be overloaded in the next five years. No overflows or surcharges were experienced by any portion of the system during the past year. Flow monitoring is addressed under Section 7 beginning on page 9 of this report.

### **3) PROPOSED PLAN TO REDUCE EXTRANEIOUS FLOWS**

- A. The Authority continued the plan to reduce extraneous flows throughout its collection system. A maintenance and repair program is in place with the intent to reduce inflow and infiltration (I&I) over the next several years. During 2022 the Authority continued studying meter flow data and conducting television inspection of pipes and identified sections of the interceptor in need of immediate repair to reduce the amount of infiltration entering the system.

B. During 2023, to help alleviate the amount of I&I entering the system, the Authority worked on the following projects:

- I. Installed portable flow meters in various sub-areas throughout the Township to help identify the areas with the highest amounts of I&I and downloaded data on a bimonthly basis.
- II. The Authority also performed inspections of cleanout and vent caps in all the neighborhoods to see if they are broken and accepting any surface water during rain events. If one is found to be in need of repair, a door posting is issued to the property owner notifying them to make the necessary repairs.
- III. During 2023 the Authority finished the Phase 5 Caln Interceptor Repairs project that involved the cleaning, televising, and grouting for approximately 3,300 linear feet of 24” diameter gravity sewer.
- IV. Work on approximately 1,500 LF of 8” sanitary sewer line was also completed in 2023 by cleaning, televising and testing of all pipe joints and grouting of joints that fail the test.

The Caln Township Municipal Authority and Township staff will remain active in the operation and maintenance of the collection system. The Authority will continue its I&I program by drilling and grouting brick manholes, installing internal seals, televising pipelines, inspecting vents/cleanouts, installing channels in older manholes, and pursuing sump pump disconnections, with the priority target being the DARA Treatment Service Area. In 2018, the Authority purchased 5 portable flow meters to monitor subareas to assist in the detection of I&I.

#### **4) INDUSTRIAL WASTE**

The DARA Treatment Facility currently serves one industrial user connected to the Authority’s sewer system. This user, AGC Chemicals Americas, Inc., discharged an average of 13,000 gpd (based on January 30, 2024, AGC Certification). AGC pre-treats their wastewater before discharging into the Authority’s system. DARA periodically conducts unannounced sampling and testing of wastewater discharged into the Township system in accordance with the annual requirements of their Industrial Pretreatment Program and the USEPA General Pretreatment

Regulations (40 CFR Part 403). Regular sampling is also required of the industrial waste producer, and an average of this regular sampling and the unannounced sampling is used to characterize the waste stream. Caln Township has adopted both DARA and PAWC regulations for Industrial Pretreatment. The most restrictive regulations will be enforced by the Township/Authority. Attached (Appendix D) is a copy of Caln Township's Ordinance #2008-14 amending Chapter 128 of the Codes of the Township Entitled "Sewers", adopting the Downingtown Area Regional Authority Resolution No. 2008-1, adopted October 20, 2008 and the Caln Township Municipal Authority's Resolution 2008-7-CTMA adopting the Downingtown Area Regional Authority, Resolution No. 2008-1, adopted October 20, 2008.

## **5) SEWER SYSTEM CONSTRUCTION**

### *Existing System and Extensions*

The portion of the Authority's sewer system that flows to PAWC's Treatment Facility was originally constructed by CCA, and then conveyed to the Township and subsequently to the Authority as part of intermunicipal agreements. The portion of the Authority's sewer system that flows to DARA's Treatment Facility was constructed in part by the Township and in part by private developers over the years. As mentioned in the previous section, Exhibit 5 in Appendix C shows the areas of the Township that experienced sanitary sewer construction and depicts new and future connections to the Authority's sewer system.

## **6) SEWER SYSTEM MONITORING, MAINTENANCE, REPAIR, AND REHABILITATION**

The Authority has an in-house maintenance, repair and rehabilitation program to conduct routine inspection, maintenance, and repairs to the system to help reduce the amount of I&I entering the system. The I&I maintenance program consists of mainline relining work, installing manhole inserts, sealing down loose and unsealed frames, installing manhole wraps, inspecting and documenting manholes and repairs that need to be made, television inspection work and grouting mains and manholes where leaks are found, and monitoring flows with portable flow meters to locate areas with I&I problems so corrective measures can be made. Due to the heavy rain received in 2018, the Authority purchased 5 portable flow meters to assist in monitoring subareas to detect I&I. Refer to Section 3 for additional detail.

## **7) FLOW MONITORING**

Both DARA and PAWC monitor the Authority's flow to their respective facilities. DARA uses three (3) permanent flow meters to monitor the Township's contribution to its treatment facility. These permanent flow meters, which are calibrated on a quarterly basis, are located at Downing Ridge, St. Martha's, and Aston Avenue. Enclosed in Appendix E are copies of the Meter Calibration Reports for the past year. Water Usage is used to calculate the Downingtown Middle School flows.

PAWC uses a permanent flow meter located at Carver Court, and a permanent flow meter at the Municipal Drive Pump Station to monitor the majority of the Authority's contribution to its treatment facility. Enclosed in Appendix E are copies of the PAWC Meter Calibration Reports for the past year. Additionally, water usage in the Megargee Heights, Brandywine Fabricators and Keehn Service Group service area is used to estimate the wastewater flow produced in that sewer area. No problems were found in these areas. In 2011 the Authority contracted another flow study to monitor 11 subareas for a 2-month period. The study data showed no surcharging occurred in these areas during wet weather flows. The Authority will continue to monitor subareas by flow monitoring and visual inspections during major storm events. In 2018 the Authority purchased 5 portable flow meters to assist in monitoring subareas to detect I&I. After the new Municipal Drive Pump Station was brought online in November 2020, the N. Caln Road Pump Station was decommissioned, but a new permanent meter was installed in the 15" interceptor adjacent to the location of the former N. Caln Road Pump Station. Additionally, there is a permanent meter further downstream at the diversion box on the interceptor associated with the Municipal Drive Pump Station.

## **8) CONDITION OF PUMPING STATIONS**

The Authority currently owns and maintains four sanitary sewer pumping station, referred to as the North Caln Road Pump Station, Fisherville Road (Kings Grant) Pump Station (dedicated in 2015 to the Authority), Municipal Drive Pump Station (online as of November 2020) and the Hidden Forest Pumping Station. An additional pump station, the Moore Road Pump Station associated with the Villages at Hillview development, has been constructed but has not yet been dedicated to the Authority. It is currently being operated and maintained by the developer while new home construction is ongoing.

➤ *North Caln Road Pump Station*

The North Caln Road Pump Station was decommissioned in November 2020 and has been replaced by the new Municipal Drive Pump Station that came online in November 2020.

➤ *Hidden Forest Pumping Station (PADER 1987 Permit # 1585432)*

The Caln Township Municipal Authority assumed ownership of this station in August 2006 at the request of the Hidden Forest Homeowners Association. The station serves 80 homes located in the Hidden Forest Subdivision and pumps the flows through approximately 800 feet of 4” force main to a gravity sewer manhole located in North Caln Road, which then flows by gravity to the Municipal Drive Pump Station. The Hidden Forest pumping station and associated force main, constructed in 1986, pumped an annual average of approximately 11,088 GPD last year and has an estimated peak design capacity of 105,000 GPD. The existing Hidden Forest Pump Station has two (2) 215 GPM Hydromatic Pumps, Model S4N300MC-4 X 3 hp, 1750 rpm, Explosion Proof Submersible Solids Handling Pumps. The pumps operate on 208v, 3 Phase, 60HZ power. The pump discharges through approximately 750 feet of 4” PVC SDR 26 force main to a manhole located on North Caln Road. There is an approximately 21-foot static head from the wet well to the discharge manhole. In 2005, the two existing pumps were replaced with two new pumps by the Homeowners Association, and in 2007 the electrical system was upgraded and a new control panel and 20 kW Onan GGMA 5791776 generator with an automatic transfer switch was installed by the Caln Township Municipal Authority. In 2009, a new Pump Controller was installed along with new floats. During heavy storm events this station was monitored visually with no overloads observed. During 2018, a new monitoring system was installed. Annually the generator has a major service completed along with a semiannual check.

The Authority will continue to monitor and maintain this station on a regular basis.

➤ *Fishersville Road Pump Station (Kings Grant PADEP 2005 WQM Permit No. 1504416)*

The Fishersville Road Pump Station pumps the wastewater from the Caln Meeting House Road and Fishersville Road Area to the DARA Treatment Facility. The station contains two pumps each rated at 275 gallons per minute. This pumping station and associated 6” force main were constructed in 2005. The 6” force main is constructed of SDR 18 PVC. The Fishersville Road Pump Station currently serves 132 residential properties and 2 commercial properties (WAWA and CVS) and pumped an average annual daily average flow of approximately 22,856 GPD last year. The pump station has a permitted peak design capacity of 396,000 GPD (275 GPM) and a

permitted Average Annual Flow of 55,500 GPD (PADEP Permit No. 1504416). The existing Fishersville Road Pump Station has two (2) 275 gpm KSB Model KRT F 100-401/354 4 X GS 50 hp, 1800 rpm, Explosion Proof Submersible Solids Handling Pumps. The pump discharges through approximately 5,492 feet of 6" PVC SDR 18 force main to a manhole located on Kings Highway. There is an approximately 142-foot static head from the wet well to the discharge manhole. In 2011, Pump 2 was pulled and rebuilt with a new impeller and then put back into operation. The Caln Township Municipal Authority accepted dedication of the Pump Station and Force Main improvements in 2015. Enclosed in the Appendices is a capacity chart along with a copy of the WQM Permit. During 2018 both pumps were serviced, and a new controller and monitoring system was installed. Annually, the generator has a major service completed along with a semiannual check.

The Authority will continue to monitor and maintain this station on a regular basis.

➤ ***Municipal Drive Pump Station (PADEP WQM Permit No. 1509401)***

The Municipal Pump Station came online November 2020 and has replaced the existing North Caln Road Pump Station, with all flows currently tributary to the North Caln Road Pump Station being conveyed by gravity into the Caln Interceptor. The new pump station, with a 20-year life expectancy on mechanical equipment and a 50-year life expectancy on concrete and masonry, was constructed near the intersection of Municipal Drive and G.O. Carlson Boulevard along the Caln Interceptor. The new Municipal Pump Station has two (2) KSB Model KRTF 100-401/654XEG1-2 87 hp, 1,778 rpm, Explosion Proof Submersible Solids Handling Pumps with a pumping capacity of 600 gpm (864,000 GPD) at 209 ft of head and will convey flows from the Caln Interceptor via a new 8-inch diameter force main approximately 14,000 linear feet in length to the PAWC gravity conveyance system in order to maintain a 1,387,500 52-week daily average at DARA. There is an approximately 100-foot static head from the wet well to the discharge manhole. All flows not pumped to PAWC from the Caln Interceptor will be conveyed to DARA in the Caln Interceptor. The pump station controls can be set to pump an adjustable amount of wastewater to PAWC to allow compliance with both the DARA agreement and PAWC agreement. The predetermined flow quantity will be set and adjusted as needed to minimize any reduction in flow to DARA and to minimize any increase in flow to PAWC. The Municipal Drive pumping station pumped an annual average of approx. 5,058 GPD last year to PAWC. The pump station has a 200 kW Cummins Model C200D6D Diesel generator with an automatic transfer switch.

On January 3, 2023, The Township received notification about wastewater rising to the ground surface in the area of 2211 Miller Ave, western terminus of Miller Ave, 200 feet west of Watson Ave. Knowing that this location is immediately adjacent to the force main for the Municipal Drive pump station, the Caln Township Municipal Authority staff shut down the Municipal Drive pump station and went to the site of the overflow. An adjacent gravity sewer manhole in the road was opened and wastewater on the ground was swept into the manhole. Upon review It appeared that the overflow was caused by a failure of a pipe joint gasket at a bend fitting on the force main. The bend fitting was exposed by excavation on 1/4/23 and was cut out and replaced with brand new fitting, pipe segments, and couplings. It was observed after excavation that the pipe entry into the bend fitting appeared to be more of an angle than could be accommodated by the gasket, thus causing the leak. The replacement pipe and fittings have been arranged to correct the inappropriately sharp angle, thus there should be no re-occurrence at this location. Subsequent inspection of the removed fitting also determined that improper installation of the bolts for the joint restraint device caused the bolts to not grip the pipe per specification. During 2023 the Authority had all the joints along the entire length of the force main excavated, inspected and repaired to prevent a similar failure that was experienced January 3, 2023. The entire length of the force main passed a hydrostatic test to check for any leaks and the pump station was placed back in service early December 2023.

The Authority will continue to monitor and maintain this station on a regular basis.

➤ **Moore Road Pump Station (Villages @ Hillview PADEP 2020 Permit No. WQG02152003)**

The Moore Road Pump Station (associated with the Villages at Hillview development) pumps the wastewater from the Moore Road and Blackhorse Hill Road Area to the PAWC Treatment Facility. The Moore Road Pump Station is currently designated to serve 90 residential properties constructed as part of the Villages of Hillview development and 11 existing homes along Moore Road, with the capability to accept flows from additional existing properties once conveyance to pump station is available. The station is equipped with variable frequency drives which control the speed of two pumps, each of which is capable of pumping 170 gpm at a pressure of 224.5 ft. The initial design calls for the pumps to operate at 122 gpm to serve the initial 101 dwelling units. The pump speed can be increased in the future (via the variable frequency drives) to accommodate additional connections to the sewer system. The pumping station and associated 4” force main was constructed in 2021 with an official startup on October 13, 2021. The 4” force

main is constructed of DR11 DIPS HDPE. The Moore Road Pump Station pumped an annual average of approx. 4,293 GPD last year to PAWC. The pump station has a permitted peak design capacity of 191,000 GPD (133 GPM) and a permitted Average Annual Flow of 44,000 GPD. The Moore Road Pump Station has two (2) KSB Model KRT F 100-401/374 X EG1-S (370) 50 hp, 1750 rpm, Explosion Proof Submersible Solids Handling Pumps with the capacity to handle up to 170 GPM. The pump discharges through approximately 2,500 feet of 4" DR11 HDPE DIPS force main to a manhole located on at the intersection of Blackhorse Hill Road and Heron Lane. There is an approximately 168-foot static head from the wet well to the discharge manhole. Enclosed in the Appendices is a copy of the WQM Permit. The pump station has a 125 kW Cummins C125N6 Natural Gas generator with an automatic transfer switch.

This station has not yet been offered for dedication to the Authority. The Developer will continue to monitor, operate, and maintain this station on a regular basis with reports submitted to the CTMA Engineer for review.

➤ *Privately Owned Pumping Stations*

Also, within the Township there are four privately-owned pump stations: The Palace Station (O&M Agreement in place), Ingleside Medical Station (O&M Agreement in place), the Thorndale Shopping Center Station (O&M Agreement in place) and the Brandywine Hospital Pumping Station (O&M Agreement in place). The Brandywine Hospital Pumping Station is located in the Township, but the Hospital's sewer is directly served by West Brandywine Township. These stations are all maintained and operated privately. Resolution 2006-3-CTMA is enclosed in Appendix D which establishes the Caln Township Municipal Authority's rules and regulations for the installation, use and maintenance of privately owned pump stations.

## 9) CONDITION OF THE SANITARY SEWER SYSTEM

The Township's sanitary sewer system consists of approximately 57 miles of sanitary sewer ranging from 2-4" Low Pressure Sewer System (LPSS) to 8" to 24" inch gravity sewer pipes. The pipes are constructed of vitrified clay, terra cotta, ductile iron, PVC, reinforced concrete, and asbestos cement.

The Township's sewer system also includes approximately 1,150 manholes constructed primarily of precast concrete or brick. The Township is continually improving and upgrading the system through the repair and maintenance program.

## **Appendix A**

### **Caln Township/Caln Township Municipal Authority 2023 Chapter 94 Report DARA**

- **Exhibit 1- Planned Equivalent Dwelling Units (EDU's)**
- **Exhibit 2- Projected Hydraulic Loadings**
- **Chart 1- Total 5 Year Flows/Hydraulic Loadings**

Exhibit 1  
Cain Township  
DARA Service Area  
94.12 Section (a)(4)

MD-1 MAP#	RESIDENTIAL DEV.	PADEP Code Number	Projected EDU's	Prior Years Connected	2023 EDU's Connected	EDU'S Remaining to be Connected	2024	2025	2026	2027	2028	Future	Status	Treatment Plant Service Area
23	Ken Socie Subdivision	1-15912-209-3J	5	0	0	5						5	E,C,G	DARA/PAWC
	Misc. (Infill & OLDS Conversions to public)		135	58	2	75	4	4	4	4	4	55	D	DARA/PAWC
28	Kingsway Drive Area		23	0	0	23						23	E	DARA/PAWC
29	Cain Meeting House/Granger Lane Area	1-15912-211-3M	33	0	0	33						33	E,C,G	DARA/PAWC
18	291 Loomis Ave 1 Lot Subdivision	1-15912-216-E	1	0	0	1			1			0	A,C,G	DARA/PAWC
15	Willows @ Valley Run	1-15912-432-E	122	0	60	62	62					0	C,D,G	DARA/PAWC
14	Arbor Hill/Dwell (Kline Builders)	1-15912-212-3J	402	0	6	396	26	220	80	70		0	A,C,D,G	DARA/PAWC
3	McCool Properties		96	0	0	96						96	E	DARA
36	Edges Mill Road Track (Apartments)		60	0	0	60						60	E	DARA
40	Bondsville Rd Apartments (2011)	1-15912-393-3J	57	0	0	57		30	27			0	D,G,C	DARA
41	3509 Bondsville Road		24	0	0	24						24	E	DARA
13	Archdiocese (Lloyd Farm/Regal Builders) (Lloyd Ave & Rt 322)		300	0	0	300		20	40	40	40	160	H	DARA/PAWC
8	Hills @ Thorndale Woods	1-15912-375-3J	262	0	0	262		8	15	15	15	209	A,B,C,G	DARA/PAWC
10	5013 Horseshoe Pike Project	1-15912-429-E	3	0	3	0							F	DARA
20	3713 Bungalow Glade Project	1-15912-430-X	1	0	0	1	1						B,C	DARA
4	Parkside Drive Townhouses		88	0	0	88			25	25	25	13	E	DARA
6	172 Gallagherville Road	1-15912-433-E	1	0	1	0							F	DARA
35	3718-3720 Bungalow Glade		1	0	1	0							F	DARA
17	Cohens Property		100	0	0	100			25	25	25	25	E	DARA
12	4000 Hazelwood Ave	1-15912-443-E	1	0	0	1		1					A,B,G	DARA
<b>SUBTOT. RESIDENTIAL EDU's</b>			<b>1715</b>	<b>58</b>	<b>73</b>	<b>1584</b>	<b>93</b>	<b>283</b>	<b>217</b>	<b>179</b>	<b>109</b>	<b>703</b>		
MD-1 MAP#	NON-RESIDENTIAL DEV.	PADEP Code Number	Projected EDU's	Prior Years Connected	2023 EDU's Connected	EDU'S Remaining to be Connected	2024	2025	2026	2027	2028	Future	Status	Treatment Plant Service Area
	Misc. (Infill & OLDS Conversions to public)		38	8	0	30	5	5	5	5	5	5	D	DARA/PAWC
24	Christian Faith Fellowship Church	1-15912-426-E	4	0	0	4		4				0	B,G	DARA/PAWC
26	Goddard School	1-15912-219-3J	3	0	0	3						3	D,C,G	DARA/PAWC
21	South Bailey Road Track (hotel)	1-15912-385-3J	40	0	0	40				20	20	0	E	DARA/PAWC
33	Thorndale West Shopping Center		128	86	0	42	5	5	5	5	5	17	G	DARA/PAWC
34	Fisherville Rd Center (BHS Property)		60	0	0	60				10	10	40	E	DARA/PAWC
4	Creek Road Business Park (Softmart)	1-15912-196-E	8	0	0	8						8	B,C,G	DARA
44	AGC Chemicals (EDU's Connected is Actual Usage based on a 12 month daily average)		152	64	-12	100	13			30		57	A,D,G	DARA/PAWC
45	Sabic/LNP (680) (2015 EDU's Connected is Actual Usage based on a 12 month daily average)		180	4	0	176						176	G	DARA/PAWC
13	Archdiocese (Lloyd Farm/Regal Builders) (Lloyd Ave & Rt 322)		4	0	0	4		4				0	H	DARA
1	PECO Expansion (Exelon)		10	6	0	4						4	E	DARA/PAWC
5	Antonini Project	1-15912-418-E	3	0	0	3		3				0	B,C	DARA
19	5033 Horseshoe Pike Optometry Office	1-15912-442-E	2	0	2	0							F	DARA
7	Farmhouse Coffee & Espresso (4000 Linc. Hwy)		3	1	0	2	2						D,G	DARA
22	Jefferies Family Farm (Tax Parcel No. 39-4-138.1A)	1-15912-448-E	2	0	0	2	2						D,G	DARA
27	Celebree School (3025 & 3035 C G Zinn Road)	1-15912-447-X	4	3	0	1	1						C,D	DARA/PAWC
31	Kia Auto Leasing (2751 Linc. Highway)		1	0	0	1	1						D	DARA/PAWC
30	Starbucks/Chipotle/Lomax Project	1-15912-431-E	10	2	0	8	8						A,B,C,G	DARA
<b>SUBTOT. NON-RESIDENTIAL EDU's</b>			<b>652</b>	<b>174</b>	<b>-10</b>	<b>488</b>	<b>37</b>	<b>21</b>	<b>10</b>	<b>70</b>	<b>40</b>	<b>310</b>		
<b>TOTAL NEW EDU's</b>			<b>2367</b>	<b>232</b>	<b>63</b>	<b>2072</b>	<b>130</b>	<b>304</b>	<b>227</b>	<b>249</b>	<b>149</b>	<b>1013</b>		
PROJECTED FLOWS (GPD)														
	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Future			
EDU's Connected	2	1	11	63	63	130	304	227	249	149	1013			
Gallons Per Day Added (Based on using 250 GPD per EDU)	500	250	2,750	15,750	15,750	32,500	76,000	56,750	62,250	37,250	253,250			
Audited Actual 52 Week Average Flow (GPD) DARA	1,678,000	1,333,159	1,334,597	1,314,924	1,221,687									
2023 Equivalent 52 Week Average Flow	1,712,500	1,367,409	1,366,097	1,330,674	1,221,687									
Annual Rainfall (inches)	54.87	49.20	51.94	48.05	43.16									
Average Rainfall Per Week	1.06	0.95	1.00	0.92	0.83									
PERCENTAGE OF 52 WEEK AVERAGE FLOW ALLOCATION PROJECTED AT DARA														
						2024	2025	2026	2027	2028	Future			
						1,432,173	1,508,173	1,564,923	1,627,173	1,664,423	1,917,673			
						103%	109%	113%	117%	120%	138%			
<b>Additional Flows Diverted to PAWC (MDPS)</b>							44,673	120,673	177,423	239,673	276,923	530,173		
<b>Flows to DARA Based on a 52 Week Average</b>							1,387,500	1,387,500	1,387,500	1,387,500	1,387,500	1,387,500		
CAPACITY							1,387,500	(GPD)						
97% CAPACITY							1,345,875	(GPD)						
<b>Please Reference MD-1 Map Located in Appendix C/ Exhibit 5</b>														
							DEV. STATUS A Under Construction B Preliminary Plans Approved C Planning Module Approved D Plans Under Review With Township E No Plans Currently Under Review F Completed G EDU's Allocated by CTMA H Sketch Plans Under Review With Township							

**EXHIBIT 2  
CALN TOWNSHIP-DARA TRIBUTARY AREA  
PROJECTED HYDRAULIC LOADING**

Year	EDU'S Connected	Additional Flow Added	Actual Total Annual Flows (gpd)*	Equivalent 2023 Flows and Estimated EDUs
2019	2	500	1,678,000	1,712,500
2020	1	250	1,333,159	1,367,409
2021	11	2750	1,334,597	1,366,097
2022	63	15750	1,314,924	1,330,674
2023	63	15750	1,221,687	1,221,687
<b>Five Year Avg Adjusted Flow</b>				<b>1,399,673</b>
	Projected EDU's	Projected Additional Hydraulic Loading (gpd)**	Less Pump Station Diversion***	Total Projected Equivalent Flows Hydraulic Loading
2024	130	32,500	44,673	1,387,500
2025	304	76,000	120,673	1,387,500
2026	227	56,750	177,423	1,387,500
2027	249	62,250	239,673	1,387,500
2028	149	37,250	276,923	1,387,500
Future	1013	253,250	530,173	1,387,500

\* Flows are from DARA's yearly records

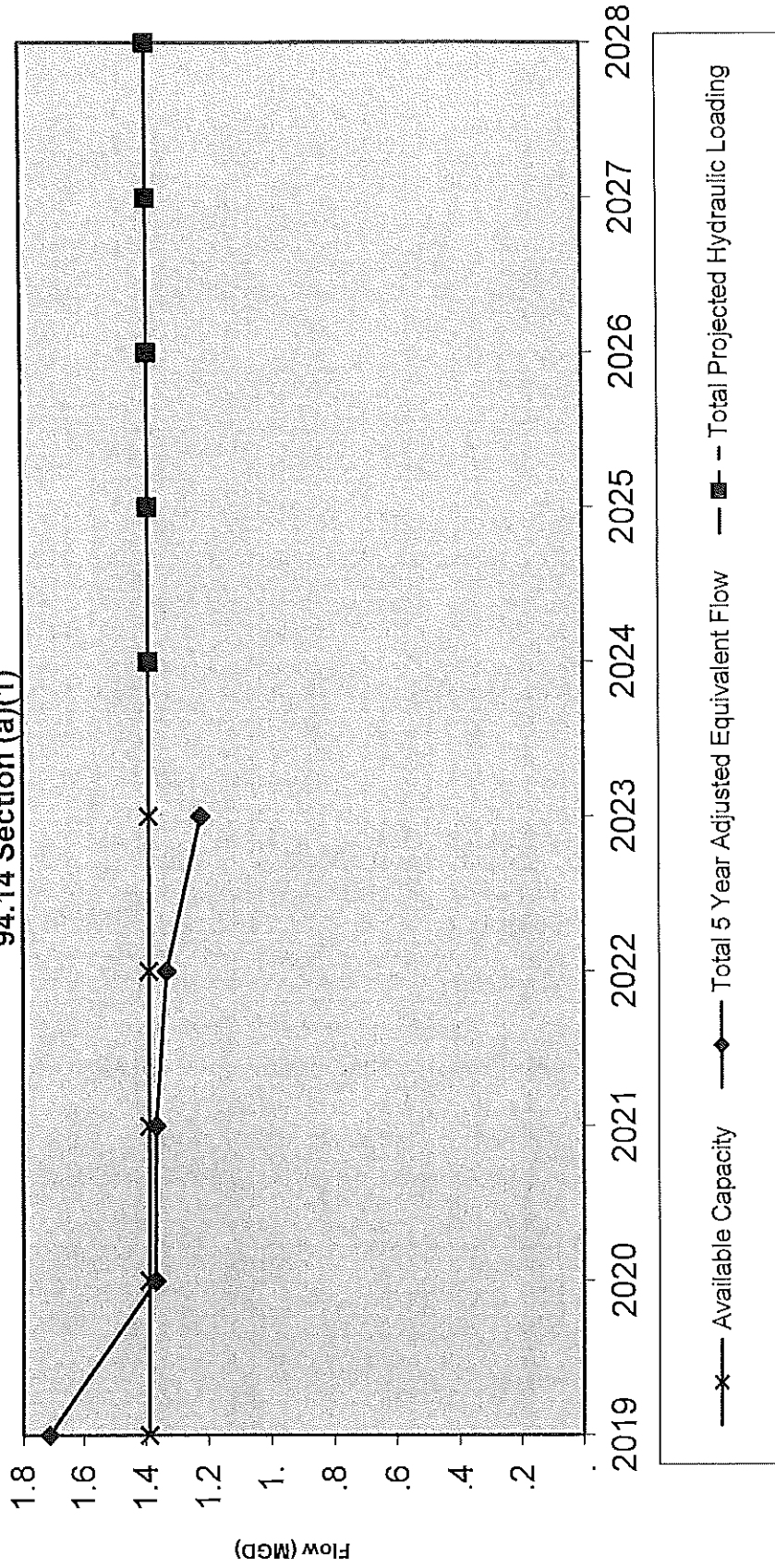
\*\* Projections are based on 250 gpd/EDU

\*\*\* New Municipal Drive Pump Station came online November, 2020

KEY:

Actual
Projected

**Chart 1**  
 Calhoun Township-DARA Tributary Area  
 Total 5 Year Adjusted Flows  
 Hydraulic Loadings  
 94.14 Section (a)(1)

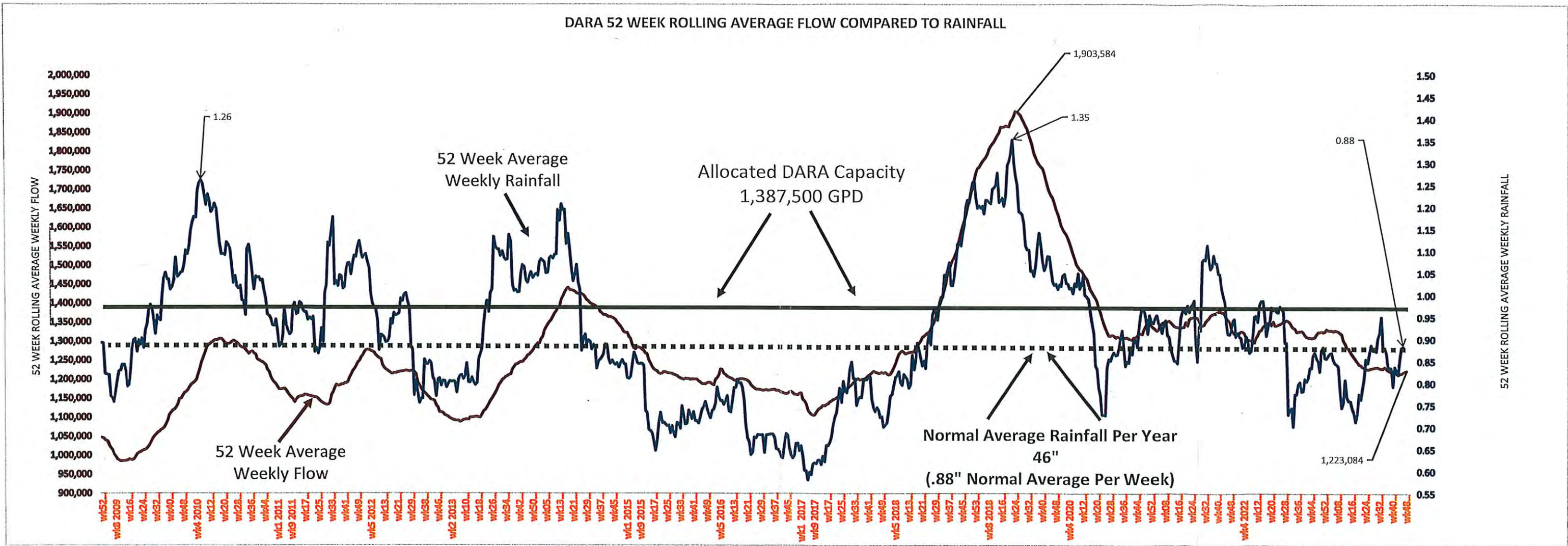


Downingtown Area Regional Authority  
 2023  
 Caln Township  
 Chapter 94 Report

<b>2019 Equivalent Flow</b>	2019					2019
Caln Township	Actual	2020	2021	2022	2023	Eq. Flow
	1.678	.	.003	.016	.016	1.713
<b>2020 Equivalent Flow</b>	2020					2020
Caln Township	Actual		2021	2022	2023	Eq. Flow
	1.333		.003	.016	.016	1.367
<b>2021 Equivalent Flow</b>	2021					2021
Caln Township	Actual			2022	2023	Eq. Flow
	1.335	.	.	.016	.016	1.366
<b>2022 Equivalent Flow</b>	2022					2022
Caln Township	Actual				2023	Eq. Flow
	1.315	.	.	.	.016	1.331
<b>2023 Actual Flow</b>	2023					2023
Caln Township	Actual					Eq. Flow
	1.222	.	.			1.222

Flows (MGD)

<b>2019 - '23 Equivalent Flows</b>	2019	2020	2021	2022	2023	Equivalent 2023 Flow* (5yr Average)
Caln Township	1.713	1.367	1.366	1.331	1.222	1.4
<b>Connections Made</b>	2019	2020	2021	2022	2023	EDU/Conn.*
Caln Township	2.0	1.0	11.0	63.0	63.0	250



**Exhibit 3  
CALN TOWNSHIP - PAWC AREA  
PLANNED EQUIVALENT DWELLING UNITS (EDUs)**



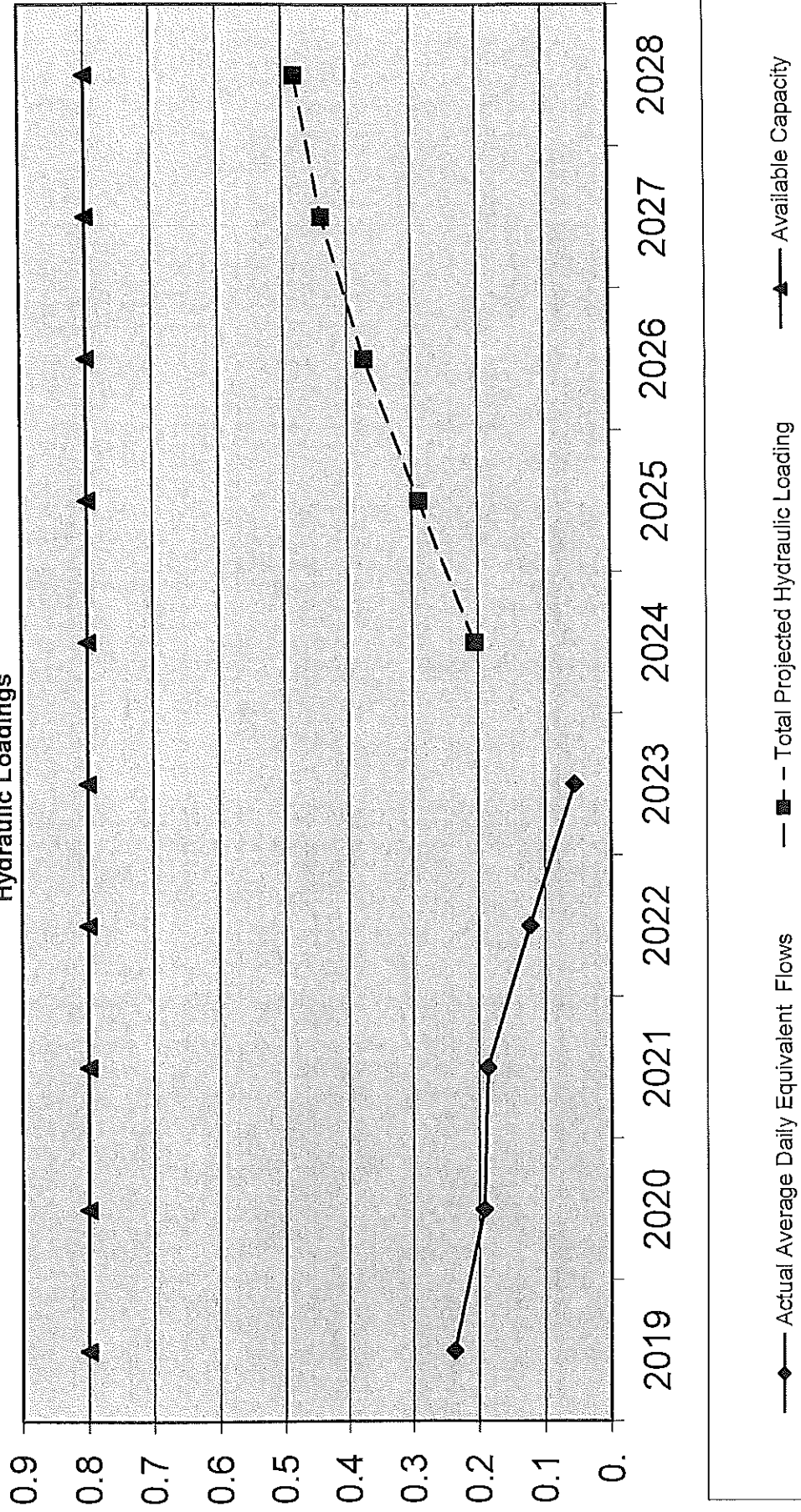
MD-1 Map#	Description	PADEP Code Number	Projected EDUs	Prior Years Connected	2023 Connected	EDUs Remaining	Future EDUs					Method of Conveyance	Status	Treatment Plant Service Area	
							2024	2025	2026	2027	2028				Future
<b>RESIDENTIAL DEV.</b>															
	Misc. (Infill & OLDS Convers. to public)		226	1	0	225		15	15	15	15	165	Gravity	D	PAWC
11	Southwoods Subdivision	1-15912-195-3J	20	0	0	20		10	10			0	Gravity	B,C,G	PAWC
	Caln Road		40	0	0	40						40	Gravity	E	PAWC
16	Toomey Estates (Blackhorse Hills Apartments)		75	0	0	75			75			0	Gravity	H	PAWC
38	Dogwood & Scott Drive Sewer Extension	1-15912-404-3M	69	46	2	21	4					17	Gravity	A,C,G	PAWC
9	The Villages at Hillview Subdivision	1-15912-411-3J	90	66	24	0						0	MRPS/Gravity	A,C,G	PAWC
2	Fox Ave Subdivision		12	1	0	11		6	5			0	MPS	B,C,G	DARA/PAWC
<b>SUBTOT. RESIDENTIAL EDUs</b>					<b>26</b>	<b>392</b>	<b>4</b>	<b>31</b>	<b>105</b>	<b>15</b>	<b>15</b>	<b>222</b>			
<b>NON-RESIDENTIAL DEV.</b>															
	Misc. (Infill & OLDS Convers. to public)		10	0	0	10	2	2	2	2	2	0		D	DARA/PAWC
<b>SUBTOT. NON-RESIDENTIAL EDUs</b>					<b>0</b>	<b>10</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>			
<b>TOTAL NEW EDUs</b>					<b>26</b>	<b>402</b>	<b>6</b>	<b>33</b>	<b>107</b>	<b>17</b>	<b>17</b>	<b>222</b>			
<b>Projected Flows (GPD)</b>															
		2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	Future			
	EDUs Connected	7	4	15	53	26	6	33	107	17	17	222			
	Gallons Per Day Added (Based on using 250 GPD per EDU)	1750	1000	3750	13250	6500	1500	8250	26750	4250	4250	55500			
	Actual Flows (GPD) PAWC	212,639	169,151	166,956	115,704	55,439									
	2023 Equivalent Flows	237,139	192,651	186,706	122,204	55,439									
	PAWC 5 Year Average Adjusted Flows				158,828										
	Future Projected Equivalent Flows (PAWC Exhibit 3)						160,328	168,578	195,328	199,578	203,828	259,328			
	Future Additional Flows above the current GPD Pumped from New Municipal Drive Pump Station						44,673	120,673	177,423	239,673	276,923	530,173			
	Total Flows Diverted to PAWC						205,001	289,251	372,751	439,251	480,751	789,501			
	Annual Rainfall (inches)*	54.87	49.20	51.94	48.05	43.16									
	Average Rainfall Per Week	1.06	0.95	1.00	0.92	0.83									
<p>CAPACITY  800,000 (GPD)</p> <p>90% CAPACITY  720,000 (GPD)</p>							<p><b>DEV. STATUS</b></p> <p>A Under Construction</p> <p>B Preliminary Plans Approved</p> <p>C Planning Module Approved</p> <p>D Plans Under Review With Township</p> <p>E No Plans Currently Under Review</p> <p>F Completed</p> <p>G EDUs Allocated by CTMA</p> <p>H Sketch Plans Under Review With Township</p>								
<p>Method of Conveyance</p> <p>G = Gravity P = Pump</p>							<p>Please Reference MD-1 Map Located in Appendix C/ Exhibit 5</p>								

Chart 2  
 Cain Township-PAWC Tributary Area  
 Total 5 Year Flows  
 Hydraulic Loadings



**EXHIBIT 4  
CALN TOWNSHIP-PAWC TRIBUTARY AREA  
PROJECTED HYDRAULIC LOADING**

Year	EDU's Connected	Additional Flow Added	Actual Total Annual Flows (GPD)*	Equivalent Flows and Estimated EDU's
2019	7	1750	212,639	237,139
2020	4	1000	169,151	192,651
2021	15	3750	166,956	186,706
2022	53	13250	115,704	122,204
2023	26	6500	55,439	55,439
<b>Five Year Average Adjusted Flow</b>				<b>158,828</b>
	Projected EDU's	Projected Additional Hydraulic Loading (GPD)**	Add'l New Municipal Drive Pump Station Diversion***	Total Projected Equivalent Flows Hydraulic Loading
2024	6	1,500	44,673	205,001
2025	33	8,250	120,673	289,251
2026	107	26,750	177,423	372,751
2027	17	4,250	239,673	439,251
2028	17	4,250	276,923	480,751
Future	222	55,500	530,173	789,501

\* Flows are from PAWC's yearly records.

\*\* Projections are based on 250 gpd/EDU

\*\*\* New Municipal Drive Pump Station online November,2020.

KEY:

Actual
Projected

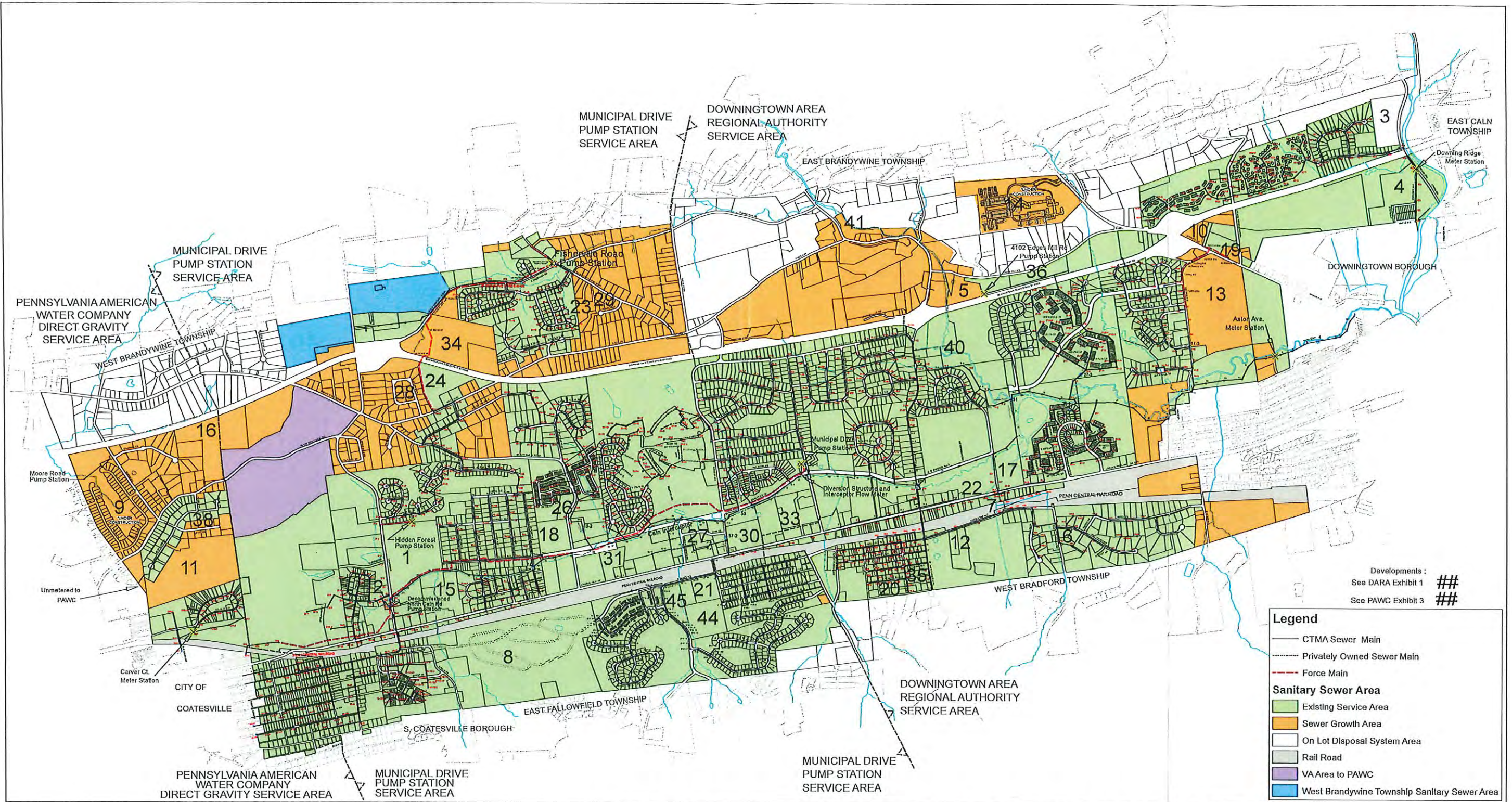
PAWC Municipal Flows 2023

	January	February	March	April	May	June	July	August	September	October	November	December	Total	GPD/365
<b>Caln Township</b>														
Brandywine Homes Pump Station	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Caln PS	248,000	-	-	-	1,033	-	-	-	-	-	-	1,604,994	1,854,027	5,080
Carver Court	313,100	228,459	258,850	327,828	285,820	421,759	589,827	563,167	458,690	356,500	256,110	367,102	4,427,212	12,129
Megargee Heights	573,700	486,500	524,400	515,900	715,900	590,000	638,300	513,600	498,200	601,400	487,700	492,600	6,638,200	18,187
Brandywine Fab & Keehn	106,400	167,600	80,600	67,900	27,600	114,600	87,300	127,600	129,100	113,400	77,400	91,600	1,191,100	3,263
Dogwood Ln-Scott Dr	372,496	359,652	372,496	360,480	372,496	372,496	372,496	372,496	372,496	372,496	372,496	372,496	4,445,092	12,178
Caln Hillview PS	109,815	90,841	102,684	117,428	130,536	144,454	148,177	154,349	152,584	181,654	173,130	174,034	1,679,686	4,602
Total	1,723,511	1,333,052	1,339,030	1,389,536	1,533,385	1,643,309	1,836,100	1,731,212	1,611,070	1,625,450	1,366,836	3,102,826	20,235,317	
GPD	55,597	47,609	43,195	46,318	49,464	54,777	59,229	55,846	53,702	52,434	45,561	100,091		55,439

## Appendix C

### **Caln Township/Caln Township Municipal Authority 2023 Chapter 94 Report DARA and PAWC Service Area**

- **Exhibit 5-Map of Proposed Projects and Their Future Extensions and Extensions Constructed in the Last Year**
- **I&I Analysis Map Showing Lines That Were Televised by Year.**
- **Sewer System Pipe Size & Material**




Developments :  
 See DARA Exhibit 1 ##  
 See PAWC Exhibit 3 ##

**Legend**

- CTMA Sewer Main
- Privately Owned Sewer Main
- - - Force Main

**Sanitary Sewer Area**

- Existing Service Area
- Sewer Growth Area
- On Lot Disposal System Area
- Rail Road
- VA Area to PAWC
- West Brandywine Township Sanitary Sewer Area

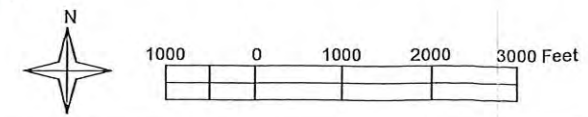
Prepared By:  
 GILMORE & ASSOCIATES, INC.  
 184 West Main Street  
 Trappe, PA 19426 Phone (610) 459-4949 Fax (610) 459-6447

PARCEL AND BOUNDARY INFORMATION  
 FOR THIS MAP IS BASED ON CADD  
 DRAWINGS PROVIDED BY GILMORE  
 ASSOCIATES DATED OCTOBER 1999

# CALN TOWNSHIP MUNICIPAL AUTHORITY

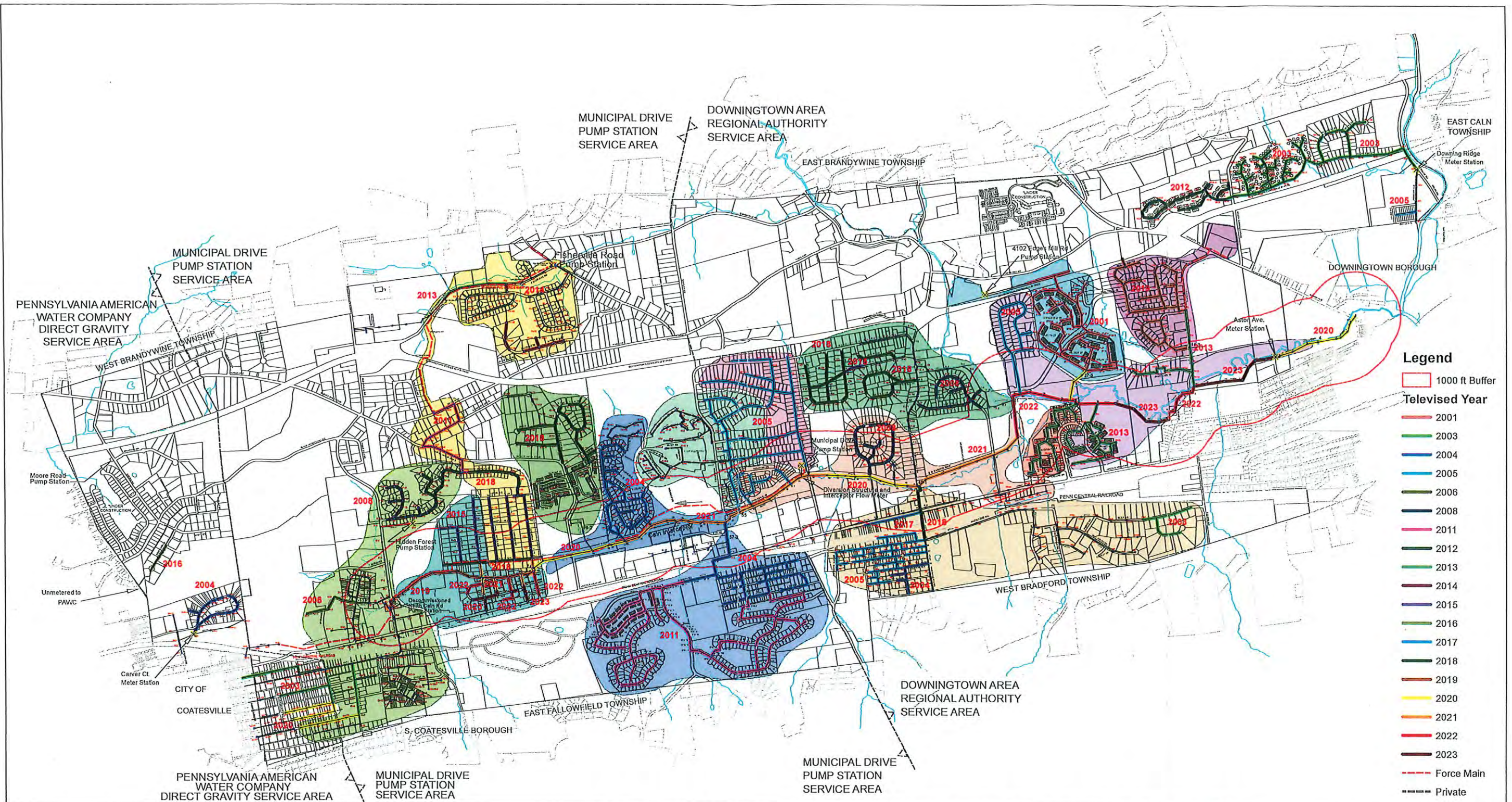
## 2023 CHAPTER 94 REPORT

253 Municipal Drive  
 P. O. Box 149  
 Thorndale, PA 19372-0149



Service Area  
 Alternative MD-1  
 Plate 5  
**EXHIBIT 5**

REVISED FEBRUARY 2024



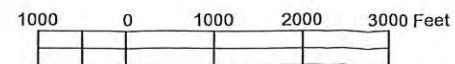
# CALN TOWNSHIP MUNICIPAL AUTHORITY

I/I Analysis  
Televised  
By Year

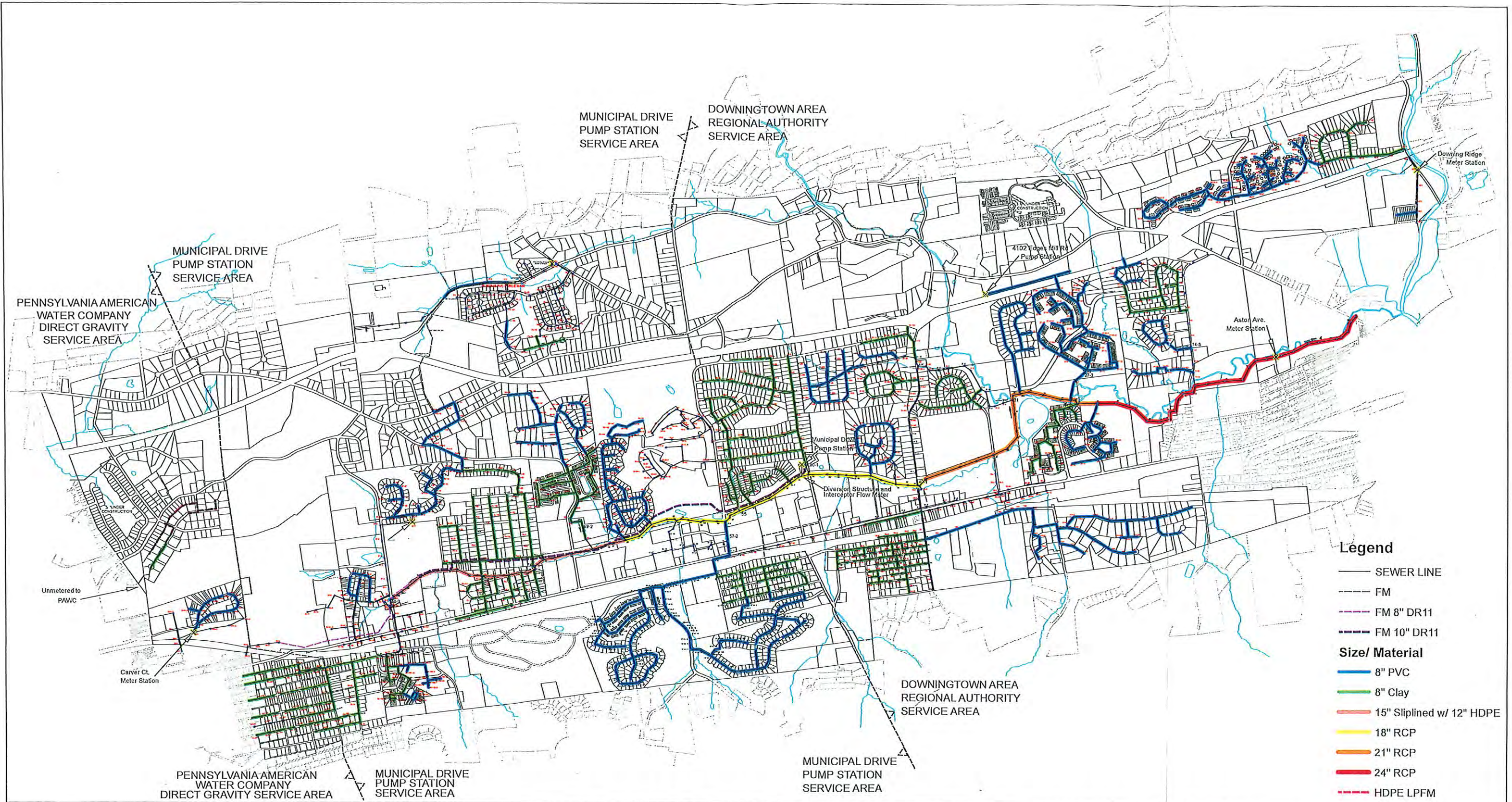
Prepared By:  
**GILMORE & ASSOCIATES, INC.**  
184 West Main Street  
Treppe, PA 19375  
Phone (610) 439-4349 Fax (610) 439-6447

PARCEL AND BOUNDARY INFORMATION  
FOR THIS MAP IS BASED ON CADD  
DRAWINGS PROVIDED BY GILMORE  
ASSOCIATES DATED OCTOBER 1999

253 Municipal Drive  
P. O. Box 149  
Thorndale, PA 19372-0149



REVISED FEBRUARY 2024



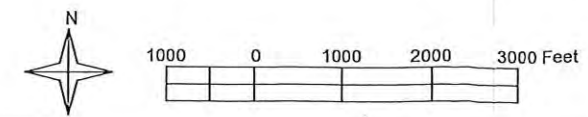
# CALN TOWNSHIP MUNICIPAL AUTHORITY

## Sewer System Pipe Size & Material

Prepared By:  
**GILMORE & ASSOCIATES, INC.**  
 184 West Main Street  
 Trappe, PA 17428  
 Phone (610) 453-4949 Fax (610) 453-8447

PARCEL AND BOUNDARY INFORMATION  
 FOR THIS MAP IS BASED ON CADD  
 DRAWINGS PROVIDED BY GILMORE  
 ASSOCIATES DATED OCTOBER 1999

253 Municipal Drive  
 P. O. Box 149  
 Thorndale, PA 19372-0149



REVISED FEBRUARY 2024

## **Appendix D**

### **Caln Township/Caln Township Municipal Authority 2023 Chapter 94 Report DARA and PAWC Service Area**

- **Copies of Ordinances and Resolutions Relating to Industrial Users**
- **Copy of Resolution 2006-3-CTMA Establishing Rules and Regulations for the Installation, Use and Maintenance of Privately Owned Pump Stations**

DS  
GP  
SG  
MS

**DOWNINGTOWN AREA REGIONAL AUTHORITY**

6 West Lancaster Avenue  
Downingtown, Pennsylvania 19335  
Phone (610) 269-4084 Fax (610) 269-1580

October 28, 2008 ✓

Mr. Steve Sullins  
Mr. Gregory Prowant  
Ms. Barbara Kelly  
Mr. Doug Hanley  
Mr. Michael Cotter

RECEIVED OCT 30 2008

302008

OCT 30 2008

ELECTRONIC MAIL

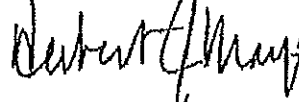
RE: DARA Local Limits

Ladies and Gentlemen:

In order to fulfill the state and federal requirements contained in the National Pollution Discharge Elimination System permit issued for the DRWPCC, the Authority has updated its Local Limits (waste discharge standards for industrial and commercial wastewater contributions to its wastewater treatment plant). A copy of the September 17<sup>th</sup> approval letter from the EPA was recently sent to you and I'm enclosing a copy of Authority Resolution No. 2008-1 whereby the DARA Board adopted these standards. Each of the contributing municipalities must also adopt standards at least as stringent as the Local Limits for users of their municipal sewer system that are tributary to the DRWPCC, and proof of these adoptions submitted to the EPA. Please provide this information to me at your earliest convenience.

If you have any comments or questions regarding this matter, please contact me.

Very truly yours,



Herbert J. Mays, P.E.  
Executive Director

Enclosure  
mgs1028.doc

**RESOLUTION NO. 2008-1****DOWNINGTOWN AREA REGIONAL AUTHORITY****ADOPTED OCTOBER 20, 2008**

WHEREAS, the Downingtown Area Regional Authority ("DARA") on November 17, 1986 adopted a resolution establishing waste discharge standards for industrial and commercial wastewater contributions to its wastewater treatment plant, the Downingtown Regional Water Pollution Control Center ("DRWPCC"), entitled "Resolution Adopting Waste Discharge Standards for the Downingtown Area Regional Authority" and amended the same on April 15, 1988, October 17, 1988, November 28, 1988, August 21, 1989, November 20, 1989, December 18, 1989, February 19, 1990, March 15, 1993, August 16, 1996, and February 2007 (hereinafter referred to collectively as the "Resolution"); and

AND WHEREAS, the Resolution specifies that DARA may adopt and implement through separate resolutions numerical limitations on the concentration, mass or other characteristics of wastes or pollutants discharged to the DRWPCC by Industrial Users ("Local Limits") in order to prevent Interference; Pass Through; the discharge of toxic materials in toxic amounts; threats to worker health and safety; and physical, chemical, or biological damage to the DRWPCC; and

WHEREAS, DARA has entered into an agreement with the Borough of Downingtown and the Townships of Caln, East Caln, Uwchlan and West Whiteland dated as of December 15, 1985 (the "Intermunicipal Agreement") pursuant to which DARA is required to treat certain sewage from each of the parties to the Intermunicipal Agreement, such treatment to be provided at the DRWPCC; and

WHEREAS, DARA is authorized by the Intermunicipal Agreement to establish standards for waste discharged into the DRWPCC and an industrial pretreatment program, and the other parties to the Intermunicipal Agreement are required thereby to adopt those standards and that program; and

WHEREAS, DARA, has determined to update its Local Limits as required by state and federal requirements contained in the National Pollution Discharge Elimination System permit issued for the DRWPCC; and

WHEREAS, each of the parties shall also adopt numerical standards at least as stringent as the Local Limits for users of their municipal sewer system that is tributary to the DRWPCC.

NOW, THEREFORE, be it resolved that the DARA Local Limits are revised to the following:

**DARA LOCAL LIMITS**

<u>Pollutant</u>	<u>End of Pipe Discharge Limit (mg/l)</u>
Cadmium	0.14
Chromium	1.32
Copper	2.55
Lead	0.14
Mercury	0.002
Nickel	1.83
Silver	0.05
Zinc	2.18
Phenolics	0.12

ORDINANCE NO. 2008-14

AN ORDINANCE OF THE CALN TOWNSHIP BOARD OF COMMISSIONERS AMENDING SECTION 128-18 OF THE CALN CODE, IN ORDER TO ADOPT AS PART OF ITS RULES AND REGULATIONS THE LOCAL LIMITS CONTAINED IN THE DOWNINGTOWN AREA REGIONAL AUTHORITY'S RESOLUTION 2008-1 ADOPTED OCTOBER 20, 2008.

WHEREAS, in accordance with Section 128-18 of The Caln Township Code , the Caln Township Board of Commissioners has adopted as part of its rules and regulations the pretreatment rules and regulations and standards adopted by the Downingtown Area Regional Authority ("DARA"); and

WHEREAS, pursuant to Resolution 2008-1, DARA has duly adopted revised waste discharge standards for industrial and commercial wastewater contributors to its wastewater treatment plant ("Local Limits"), as required by the National Pollution Discharge Elimination System Permit issued to DARA; and

WHEREAS, the Board of Commissioners finds it desirable, necessary and proper, and in the best interest of the Authority, to amend Section 128-18, in order to adopt the Local Limits for users of the Authority's system tributary to the DARA wastewater treatment plant, consistent with DARA Resolution 2008-1 and DARA's Industrial Wastewater Pretreatment Program.

NOW, THEREFORE, BE IT ORDAINED AND IT IS HEREBY ORDAINED by the Caln Township Board of Commissioners on this 18<sup>th</sup> day of December, 2008, as follows:

Section 1. Section 128-18.B. of the Caln Code, pertaining to promulgation of rules by the Township, is replaced with the following:

B. The Township does hereby adopt as part of its rules and regulations the rules and regulations and standards contained in the Downingtown Area Regional Authority's Resolution No. 2007-1, adopted January 8, 2007, as amended by Resolution No. 2008-1, adopted October 20, 2008. All discharges into the sanitary sewer system of Caln Township, which discharges are treated by the Downingtown Area Regional Authority's plant, shall comply with the rules, standards and restrictions set forth in the aforesaid resolutions to the same extent as if those resolutions, rules, restrictions and standards were set forth in full herein.

Section 2. Except as expressly amended herein, all of the remaining provisions of Section 128-18 shall remain in full force and effect.

Section 3. This ordinance shall take effect immediately.

ATTEST

*Janet L. Dugar*  
Janet L. Dugar, Secretary

Caln Township Board of Commissioners

*Lise Kelly Hammond*  
Lise Kelly Hammond, President

*James J. Mayrdes*  
James J. Mayrdes, Vice President

*Joshua B. Young*  
Joshua B. Young, Member

*James R. Kruso*  
James R. Kruso, Member

*William J. Chambers*  
William J. Chambers, Member

**CALN TOWNSHIP MUNICIPAL AUTHORITY  
RESOLUTION NO. 2008-7-CTMA**

**A RESOLUTION OF THE CALN TOWNSHIP MUNICIPAL AUTHORITY AMENDING RESOLUTION 2005-1-CTMA, AS AMENDED BY RESOLUTION 2007-2-CTMA, IN ORDER TO ADOPT AS PART OF ITS RULES AND REGULATIONS THE LOCAL LIMITS CONTAINED IN THE DOWNINGTOWN AREA REGIONAL AUTHORITY'S RESOLUTION 2008-1 ADOPTED OCTOBER 20, 2008.**

**WHEREAS**, in accordance with Section 18 of Resolution 2005-1-CTMA, the Caln Township Municipal Authority (the "Authority"), has adopted as part of its rules and regulations the pretreatment rules and regulations and standards adopted by the Downingtown Area Regional Authority ("DARA"); and

**WHEREAS**, pursuant to Resolution 2008-1, DARA has duly adopted revised waste discharge standards for industrial and commercial wastewater contributors to its wastewater treatment plant ("Local Limits"), as required by the National Pollution Discharge Elimination System Permit issued to DARA; and

**WHEREAS**, the Authority finds it desirable, necessary and proper, and in the best interest of the Authority, to amend Resolution 2005-1-CTMA, as amended by Resolution 2007-2-CTMA, in order to adopt the Local Limits for users of the Authority's system tributary to the DARA wastewater treatment plant, consistent with DARA Resolution 2008-1 and DARA's Industrial Wastewater Pretreatment Program.

**NOW, THEREFORE**, the Board of Directors of the Caln Township Municipal Authority, this 24<sup>th</sup> day of November, 2008, hereby resolves as follows:

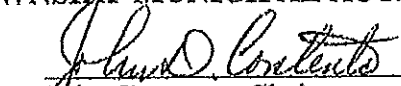
**Section 1.** Section 18.B. of Resolution 2005-1-CTMA, as amended by Resolution 2007-2-CTMA, pertaining to promulgation of rules by the Authority, is further amended to read as follows:

B. The Authority does hereby adopt as part of its rules and regulations the rules and regulations and standards contained in the Downingtown Area Regional Authority's Resolution No. 2007-1, adopted January 8, 2007, as amended by Resolution No. 2008-1, adopted October 20, 2008. All discharges into the sanitary sewer system of Caln Township, which discharges are treated by the Downingtown Area Regional Authority's plant, shall comply with the rules, standards and restrictions set forth in the aforesaid resolutions to the same extent as if those resolutions, rules, restrictions and standards were set forth in full herein.

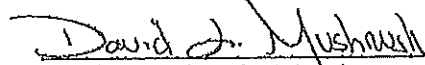
**Section 2.** Except as expressly amended herein, all of the remaining provisions of Resolution 2005-1-CTMA shall remain in full force and effect.

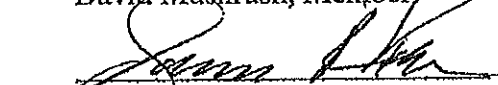
**Section 3.** This Resolution shall take effect immediately.

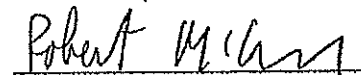
CALN TOWNSHIP MUNICIPAL AUTHORITY

  
John Contento, Chairman


  
Paul Mullin, Vice Chairman

  
David Mushrush, Member

  
Jim Kruse, Member

  
Robert McGinley, Member

Attest:

  
Robert McGinley, Secretary

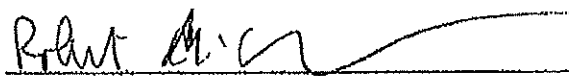
CERTIFICATE OF SECRETARY

I certify that:

I am the duly appointed and acting Secretary of the Board of the Caln Township Municipal Authority, County of Chester, Commonwealth of Pennsylvania, a duly organized and existing municipal authority and body corporate and politic in the Commonwealth.

The attached is a true copy of a Resolution duly adopted by the Board of the said Authority at a public meeting legally convened and conducted on November 24, 2008, and entered into the minutes of such meeting.

Date: 11-27-08



Robert McGinley, Secretary

**RESOLUTION NO. 2006-3-CTMA**

**CALN TOWNSHIP MUNICIPAL AUTHORITY**

**CHESTER COUNTY, PENNSYLVANIA**

**A RESOLUTION OF THE CALN TOWNSHIP MUNICIPAL AUTHORITY, CHESTER COUNTY, PENNSYLVANIA, AMENDING THE SEWER USE RULES AND REGULATIONS OF THE CALN TOWNSHIP MUNICIPAL AUTHORITY, BY ADDING A NEW ARTICLE VI, TITLED, "PRIVATE PUMP STATIONS" TO ESTABLISH RULES AND REGULATIONS FOR THE INSTALLATION, USE AND MAINTENANCE OF PRIVATELY OWNED PUMP STATIONS.**

WHEREAS, in Resolution No. 2005-1-CTMA, the Caln Township Municipal Authority (the "Authority") established Sewer Use Rules and Regulations governing sewer connections, permit procedures, sewer rentals, tapping fees, connection fees and prohibited discharges into the Authority's Sewer System; and

WHEREAS, the Authority now desires to amend the Sewer Use Rules and Regulations, by adding a new Article VI, titled, "Private Pump Stations" to establish rules and regulations for the installation, use and maintenance of private pump stations, as defined herein.

WHEREAS, the regulations established herein shall not apply to on-lot grinder pumps which are regulated by Article V of the Authority's Rules and Regulations.

NOW THEREFORE, BE IT HEREBY RESOLVED BY THE CALN TOWNSHIP MUNICIPAL AUTHORITY AS FOLLOWS:

**SECTION I.** Resolution No. 2005-1-CTMA shall be amended by adding a new Article VI, titled, "Private Pump Stations" which shall read as follows:

**"ARTICLE VI- PRIVATE PUMP STATIONS"**

**1. Purposes.** The purpose of this Article is to establish procedures for the design, installation, operation and maintenance of Private Pump Stations, as defined herein, and any associated force mains and appurtenances to be connected into the Municipal Authority's public sanitary sewer system. It is hereby declared that the enactment of this Article is necessary for the protection, benefit and preservation of the health, safety and welfare of the inhabitants of Caln Township.

**2. Definitions.** Unless the context specifically and clearly indicates otherwise, the meaning of terms used in this Resolution shall be as follows:

**Act 537 Plan-** shall mean the current Cain Township Official Sanitary Sewage Facilities Plan as defined in the Pennsylvania Sewage Facilities Act, Act of January 24, 1966, P.L. 1535 (1965), No. 537, as amended, 35 P.S. §§750.1-750.20a ("Sewage Facilities Act" or "Act 537").

**Department-** shall mean the Pennsylvania Department of Environmental Protection.

**Private Pump Station-** shall mean a Pump Station that is owned by a private property owner or a homeowners association of a development.

**Pump-** shall mean any electric, natural or propane gas, gasoline or diesel motor or engine driven, submersible, centrifugal, progressive cavity, piston or diaphragm pump capable of conveying all liquid and solid material normally found in domestic sanitary sewage.

**Pump Station-** shall mean the structures, pump(s), pump controls, wet /dry well, meters, flow recorders and any and all associated piping, valving and force main laterals that connect a pump station to the Municipal Authority's sanitary sewer collection system. Such term shall not include a Grinder Pump System as defined in Article V of these Rules and Regulations.

**Improved Property-** shall mean any property within the Township upon which there is erected a structure or structures intended for continuous or periodic habitation, occupancy or use by human beings or animals and from which structure sewage shall or may be discharged.

**Municipal Authority-** shall mean the Cain Township Municipal Authority.

**Official Plan Revision-** shall mean a change in the Township's Act 537 Sanitary Sewage Facilities Plan to provide for additional or newly identified future or existing sanitary sewage facilities needs, as defined fully in Section 1 of the Sewage Facilities Act, 35 P.S. § 750.1.

**Property Owner-** shall mean any person, corporation, partnership, or association vested with ownership, legal or equitable, sole or partial, of any property located in the Township.

**Sewage-** The normal waterborne waste and toilet waste generated from a residence, business building, institution and commercial and industrial establishment.

**Township-** shall mean Cain Township, Chester County, Pennsylvania.

**HOA-** shall mean a homeowners association for a residential development.

**3. Planning Requirements.** The connection of existing properties or proposed new land developments to an existing or proposed sewerage system through the use of a Private Pump Station shall occur only after an Official Plan Revision to the Township's Act 537 Sanitary Sewage Facilities Plan, is approved by both the Authority and Department, which Plan designates that the proposed properties be served by such a connection and the Municipal Authority and Department issues a sewer permit authorizing such connection.

**4. Powers of the Municipal Authority.** The Municipal Authority is hereby authorized and empowered to adopt such rules and regulations concerning the design, installation, operation and maintenance of Private Pump Stations they it may deem necessary from time to time to affect the purposes of this Article VI. The Municipal Authority is hereby authorized and empowered to take such other actions as are necessary to affect the purposes of this Article, including, but not limited to, requiring property owners and HOA's which own Private Pump Stations to enter into an agreement with the Municipal Authority to assure the proper operation and maintenance of a Private Pump Station.

**5. Duties and Responsibilities of the Municipal Authority.**

A. The Municipal Authority shall enter into an agreement with each Property Owner and/or HOA who proposes to install a new Private Pump Station to assure the proper design, installation, operation, maintenance, use, service, repair or replacement of such system. The agreement shall be in a form similar to the form which is attached hereto as Exhibit "A" and shall be approved by the Municipal Authority's Solicitor. The agreement shall be recorded in the Office for the Recording of Deeds in Chester County, Pennsylvania, prior to the issuance of a sewer permit to connect the property to the Township's sewage collection and conveyance system.

B. All Private Pump Stations (and the installation, use, operation, maintenance, service, repair and replacement thereof) shall comply with the rules and regulations of the Municipal Authority currently in effect.

C. The Municipal Authority shall approve the design and specifications for the type of Private Pump Station which shall be installed prior to the installation of the same and the issuance of a sewer permit. The Municipal Authority, or its designated agent, shall inspect and approve the installation of the Private Pump Station prior to it being placed in service.

D. The Municipal Authority shall bear no responsibility for the design, purchase, installation, use, operation, maintenance, service, repair or replacement of the Private Pump Station, except as otherwise set forth herein.

**6. Duties and Responsibilities of the Property Owner or HOA which owns Private Pump Stations**

A. The Property Owner or HOA, as applicable, which owns a Private Pump Station shall be responsible for the installation of the Private Pump Station subject to the regulations set forth in this Article VI.

B. The Property Owner or HOA, as applicable, which owns a Private Pump Station shall be responsible for the operation, maintenance, repair and replacement of the same and all of its component parts. Annually, on or before December 31, each Property Owner and HOA which owns a Private Pump Station must submit to the Municipal Authority the following information:

- 1) The names of the individuals or contractors who were contracted to operate and maintain the Private Pump Station;
- 2) Maintenance and repair records pertaining to the operation and maintenance of the Private Pump Station;
- 3) The name and phone number of individuals whom the Municipal Authority may contact in the event of an emergency or malfunction with the Private Pump Station.

C. The Property Owner or HOA, as applicable, which owns a Private Pump Station shall reimburse the Municipal Authority for all of its reasonable costs, fees and expenses which are incurred by the Municipal Authority and/or its agents in performing any inspections of the Private Pump Station which are required by the terms of this Article VI.

D. Each Property Owner or HOA, as applicable, which owns a Private Pump Station shall be responsible for operating the Private Pump Station consistent with the manufacturer's instructions.

E. Each Property Owner or HOA, as applicable, which owns a Private Pump Station shall immediately notify the Township and Municipal Authority, by calling and then in writing (within 24 hours), of any alarm or other notification that the Private Pump Station is or has malfunctioned. If the Private Pump Station malfunctions or fails to operate as designed, the Property Owner or HOA, as applicable, shall immediately notify the Township and Municipal Authority of the actions that will be taken to correct the malfunction. The Property Owner or HOA, as applicable, shall then commence to make the necessary repairs and/or replace the Private Pump Station or component parts. If the Property Owner or HOA fails to adequately repair the malfunction or fails to operate and maintain the Private Pump Station(s), the Municipal Authority and its agents may enter the property or properties served by such system and conduct or contract for the required labor and materials to operate and maintain the same at the sole cost and expense of the Property Owner or HOA. All of the Municipal Authority's costs to maintain, repair or replace the Private Pump Station, including contractor's costs, administrative fees and legal fees, shall be reimbursed by the Property Owner or


HOA, as applicable. If the Property Owner or HOA fail to reimburse the Municipal Authority for all of its costs in operating, maintaining or repairing the Private Pump Station, the Municipal Authority may file a civil lawsuit to collect the same or file a lien against the property or properties served by the Private Pump Station.


**7. Abatement of Nuisances.** In addition to any other remedies provided in this Article, any violation of the Rules and Regulations specified herein shall constitute a nuisance and shall be abated by the Municipal Authority by either seeking mitigation of the nuisance or appropriate equitable or legal relief from a court of competent jurisdiction.

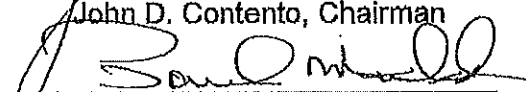
**8. Rules and Regulations to be in Conformity with Applicable Law.** All Rules and Regulations adopted by the Municipal Authority to effectuate this Article shall be in conformity with the provisions herein, all other Ordinances of the Township or Resolutions of the Municipal Authority, and all applicable laws, and applicable rules and regulations of administrative agencies of the Commonwealth of Pennsylvania.

**SECTION II. Severability.** If any sentence, clause, section, or part of this Resolution is for any reason found to be unconstitutional, illegal or invalid, such unconstitutionality, illegality or invalidity shall not affect or impair any of the remaining provisions, sentences, clauses, sections, or parts hereof. It is hereby declared as the intent of Caln Township Municipal Authority that this Resolution would have been resolved, approved and adopted had such unconstitutional, illegal or invalid sentence, clause, section or part thereof not been included herein.

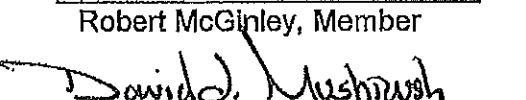
RESOLVED, APPROVED AND ADOPTED by the Caln Township Municipal Authority this 24th day of April, 2006, to be effective immediately.

  
David L. Mushrush, Secretary

  
John D. Contento, Chairman

  
Paul F. Mullin, Vice-Chairman

  
Robert McGinley, Member

  
David L. Mushrush, Member

  
Katherine J. Chambers, Member

## **Appendix E**

### **Caln Township/Caln Township Municipal Authority 2023 Chapter 94 Report DARA and PAWC Service Area**

- **Copies of the Meter Calibration Reports (December 2023) along with 2023 Flow Data for the Metering and Pump Stations**

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

CALN TOWNSHIP  
P.O. BOX 72149  
THORNDALE, PA 19372

SERVICE DATE: 12/05/2023  
METER#: AA  
LOCATION: ASTON AVENUE  
SERIAL #: 425032/99009624  
MANUFACTURER: BADGER/PARTLOW  
RECORDER: MRC 5000  
TRANSMITTER: 2100  
PRIMARY: 24" LL FLUME  
MAXIMUM CAPACITY: 2 MGD  
SERVICE CONTRACT: Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: -1.0%      CORRECTED ACCURACY:  $\pm 1\%$

**\*TOTALIZER CALIBRATION\***    CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

COMMENTS:    LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: SCOT GILL & HERBERT MAYS-DARA  
copies- [SGILL@CALNTOWNSHIP.ORG](mailto:SGILL@CALNTOWNSHIP.ORG)

<b>2023 Aston Ave Metering Station</b>					
<b>Primary Flume Size</b>	<b>Permitted Capacities</b>		<b>Present Flows</b>		<b>Projected Flows</b>
	<b>Maximum Flume Capacity***</b>	<b>Hydraulic Flume Capacity***</b>	<b>Annual Average Flows</b>	<b>Peak Daily Flow*</b>	<b>2-Year Projected Annual Average Flow</b>
	<b>MGD</b>	<b>MGD</b>	<b>GPD</b>	<b>GPD</b>	<b>GPD</b>
24"	5.069	5.069	1,114,706	3,274,000	1,307,500

\*\*\* Note: This is the capacity at the meter. However, the limiting capacity in the vicinity of the meter occurs upstream, between MH 30 and MH 29 , which has a peak flow capacity of approximately 4.52 MGD. This corresponds to approx. 5.9 MGD peak flow rate at the Aston meter

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

CALN TOWNSHIP  
P.O. BOX 72149  
THORNDALE, PA 19372

SERVICE DATE: 12/05/2023  
METER#: AD  
LOCATION: HIDDEN FORREST  
SERIAL #: 13342  
MANUFACTURER: CONTROL ELECTRONICS  
RECORDER: N/A  
TRANSMITTER: PSM-600  
PRIMARY: WET WELL  
MAXIMUM CAPACITY: 200 GPM  
SERVICE CONTRACT: Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    CHECKED AT: N/A  
ERROR: 0.0%      CORRECTED ACCURACY: ±N/A

**\*TOTALIZER CALIBRATION\***    CHECKED AT: 0 & OPERATING RATE  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS:    LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: SCOT GILL & HERBERT MAYS-DARA  
copies- [SGILL@CALNTOWNSHIP.ORG](mailto:SGILL@CALNTOWNSHIP.ORG)

**2023 Hidden Forest Pump Station  
PADER 1987 Permit # 1585432**

Number of Pumps	Permitted Capacities		Present Flows		Projected Flows
	Peak Pumping Capacity	Hydraulic Design Capacity	Annual Average Flows*	Peak Daily Flow	2-Year Projected Annual Average Flow
	GPD	GPM	GPD	GPD	GPD
2	105,000	73	11,088	16,900	12,500

Hidden Forest Drainage Basin Consists of 80 Homes (80 EDU's)

During a power failure back up power is supplied with a 20 KW Generator.

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

CALN TOWNSHIP  
P.O. BOX 72149  
THORNDALE, PA 19372

SERVICE DATE: 12/05/2023  
METER#: AC  
LOCATION: KINGS GRANT  
SERIAL #: UR33640/7801CA16000  
MANUFACTURER: E&H/CHESELL  
RECORDER: 392  
TRANSMITTER: PROMAG 50  
PRIMARY: MAG  
MAXIMUM CAPACITY: 600 GPM  
SERVICE CONTRACT: Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    CHECKED AT: N/A  
ERROR: 0.0%      CORRECTED ACCURACY: ±N/A

**\*TOTALIZER CALIBRATION\***    CHECKED AT: 0 & OPERATING RATE  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS:    LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: SCOT GILL & HERBERT MAYS-DARA  
copies- [SGILL@CALNTOWNSHIP.ORG](mailto:SGILL@CALNTOWNSHIP.ORG)

<b>2023 Fisherville Road/Kings Grant Pump Station (1504416)</b>					
<b>Number of Pumps</b>	<b>Permitted Capacities</b>		<b>Present Flows</b>		<b>Projected Flows</b>
	<b>Permitted Capacity Annual Daily Average</b>	<b>Hydraulic Design Capacity</b>	<b>Annual Average Flows</b>	<b>Peak Daily Flow</b>	<b>2-Year Projected Annual Average Flow</b>
	<b>GPD</b>	<b>GPM</b>	<b>GPD</b>	<b>GPD</b>	<b>GPD</b>
2	55,500	275	22,856	30,500	24,000

During a power failure back up power is supplied with a 100 KW Generator.

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

**\*\*\*SERVICE REPORT\*\*\***

CALN TOWNSHIP  
P.O. BOX 72149  
THORNDALE, PA 19372

SERVICE DATE: 12/06/2023  
METER#: AB  
LOCATION: PARKSIDE  
SERIAL #: 11676  
MANUFACTURER: EASTECH  
RECORDER: N/A  
TRANSMITTER: 2110  
PRIMARY: 8" MANHOLE  
MAXIMUM CAPACITY: 500 GPM  
SERVICE CONTRACT: Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    CHECKED AT: N/A  
ERROR: 0.0%      CORRECTED ACCURACY: ±N/A

**\*TOTALIZER CALIBRATION\***    CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
ERROR: -1.0%      CORRECTED ACCURACY: ±1%

COMMENTS:    LEF EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: SCOT GILL & HERBERT MAYS-DARA  
copies- [SGILL@CALNTOWNSHIP.ORG](mailto:SGILL@CALNTOWNSHIP.ORG)

<b>2023 Parkside Ave Metering Station</b>					
<b>Primary Flume Size</b>	<b>Permitted Capacities</b>		<b>Present Flows</b>		<b>Projected Flows</b>
	<b>Maximum Flume Capacity</b>	<b>Hydraulic Flume Capacity</b>	<b>Calculated Annual Average Flows</b>	<b>Peak Daily Flow (Peaking Factor of 4 was used)</b>	<b>2-Year Projected Annual Average Flow</b>
	<b>GPM</b>	<b>GPM</b>	<b>GPD</b>	<b>GPD</b>	<b>GPD</b>
8"	500	500	5,000	20,000	5,000

Parkside Ave Drainage Basin Consists of 20 Homes (20 EDU's) connected to a gravity system that was installed in 2005.

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

CALN TOWNSHIP  
P.O. BOX 72149  
THORNDALE, PA 19372

SERVICE DATE: 12/05/2023  
METER#: AF  
LOCATION: MUNICIPAL PS INTERCEPTOR  
SERIAL #: 220E00263  
MANUFACTURER: TELEDYNE ISCO  
RECORDER: N/A  
TRANSMITTER: SIGNATURE AV  
PRIMARY: 12"  
MAXIMUM CAPACITY: 2083.3 GPM  
SERVICE CONTRACT: Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    CHECKED AT: N/A  
ERROR: 0.0%      CORRECTED ACCURACY: ±N/A

**\*TOTALIZER CALIBRATION\***    CHECKED AT: 0 & OPERATING RATE  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
ERROR: 0.0%      CORRECTED ACCURACY: ±2%

COMMENTS:    LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: ETHAN  
PERSON SEEN: SCOT GILL & HERBERT MAYS-DARA  
copies- [SGILL@CALNTOWNSHIP.ORG](mailto:SGILL@CALNTOWNSHIP.ORG)

<b>2023 Municipal Drive PS Interceptor Diversion Box</b>					
<b>Pipe Size</b>	<b>Permitted Capacities</b>		<b>Present Flows</b>		<b>Projected Flows</b>
	<b>Peak Pipe Capacity***</b>	<b>Hydraulic Capacity***</b>	<b>Annual Average Flows</b>	<b>Peak Daily Flow*</b>	<b>2-Year Projected Annual Average Flow**</b>
	<b>GPD</b>	<b>GPM</b>	<b>GPD</b>	<b>GPD</b>	<b>GPD</b>
18"	4,200,900	2917	813,518	1,902,000	925,000

\*\*\* Note: This is the capacity of the pipe at the meter. However, the limiting capacity in the vicinity of the meter occurs upstream, between MH 56 and MH 57 , which has a peak flow capacity of approximately 2.92 MGD. This corresponds to approx. 3.4 MGD peak flow rate at the Diversion Box meter

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

CALN TOWNSHIP  
P.O. BOX 72149  
THORNDALE, PA 19372

SERVICE DATE: 12/05/2023  
METER#: AE  
LOCATION: NORTH CALN INTERCEPTOR  
SERIAL #: 221600257  
MANUFACTURER: TELEDYNE ISCO  
RECORDER: N/A  
TRANSMITTER: SIGNATURE AV  
PRIMARY: 15"  
MAXIMUM CAPACITY: 1 MGD  
SERVICE CONTRACT: Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    CHECKED AT: N/A  
ERROR: 0.0%      CORRECTED ACCURACY: ±N/A

**\*TOTALIZER CALIBRATION\***    CHECKED AT: OPERATING RATE  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: SCOT GILL & HERBERT MAYS-DARA  
copies- [SGILL@CALNTOWNSHIP.ORG](mailto:SGILL@CALNTOWNSHIP.ORG)

<b>2023 NORTH CALN INTERCEPTOR (Brandywine Homes)</b>					
<b>Pipe Size</b>	<b>Permitted Capacities</b>		<b>Present Flows</b>		<b>Projected Flows</b>
	<b>Peak Pipe Capacity***</b>	<b>Hydraulic Capacity***</b>	<b>Annual Average Flows</b>	<b>Peak Daily Flow*</b>	<b>2-Year Projected Annual Average Flow**</b>
	<b>GPD</b>	<b>GPM</b>	<b>GPD</b>	<b>GPD</b>	<b>GPD</b>
<b>16" DR-18 (ID 15.5")</b>	2,659,700	1845	108,789	353,200	120,000

\*\*\* Note: This is the capacity of the pipe at the meter. However, the limiting capacity in the vicinity of the meter occurs downstream between MH 84 and MH 83, which has a peak flow capacity of 1.89 MGD

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

SERVICE DATE: 12/06/2023  
METER#: BG  
LOCATION: MOORE ROAD PUMP STATION - CALN TWP  
SERIAL #: RB086E16000  
MANUFACTURER: ENDRESS HAUSER  
RECORDER: SCADA  
TRANSMITTER: PROMAG 400  
PRIMARY: 4" DUCTILE  
MAXIMUM CAPACITY: 500 GPM  
SERVICE CONTRACT: Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\***    CHECKED AT: 0 & OPERATING RATE  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\***    CHECKED AT: 0 & OPERATING RATE  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: JAMES KELLY  
copies- [James.Kelly@amwater.com](mailto:James.Kelly@amwater.com)

<b>2023 Moore Road Pump Station                      Villages of Hillview PADEP Permit # WQG02152003</b>					
<b>Number                      of Pumps</b>	<b>Permitted Capacities</b>		<b>Present Flows</b>		<b>Projected Flows</b>
	<b>Permitted                      Capacity                      Annual Daily                      Average</b>	<b>Hydraulic                      Design                      Capacity</b>	<b>Annual                      Average                      Flows*</b>	<b>Peak                      Daily Flow</b>	<b>2-Year                      Projected                      Annual                      Average Flow</b>
	<b>GPD</b>	<b>GPM</b>	<b>GPD</b>	<b>GPD</b>	<b>GPD</b>
2	44,640	133	4,293	7,000	10,500

As of the end of 2023 the Moore Road drainage basin consisted of 90 Homes connected (not necessarily all occupied)

During a power failure back up power is supplied with a 125 KW Generator.

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

PA AMERICAN  
1 WATER ST.  
CAMDEN, NJ 08102-1658

SERVICE DATE: 12/05/2023  
METER#: BF  
LOCATION: MUNICIPAL PS  
SERIAL #: PB071E16000  
MANUFACTURER: ENDRESS HAUSER  
RECORDER: SCADA  
TRANSMITTER: PROMAG 400  
PRIMARY: 6" DUCTILE  
MAXIMUM CAPACITY: 1000 GPM  
SERVICE CONTRACT: Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: OPERATING RATE  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\*** CHECKED AT: OPERATING RATE  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
VOLUMETRIC DRAWDOWN  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: JAMES KELLY  
copies- [James.Kelly@amwater.com](mailto:James.Kelly@amwater.com)

<b>2023 Municipal Drive Pump Station (Permit #1509401)</b>					
<b>Number of Pumps</b>	<b>Permitted Capacities</b>		<b>Present Flows</b>		<b>Projected Flows</b>
	<b>Peak Pumping Capacity</b>	<b>Hydraulic Capacity</b>	<b>Annual Average Flows*</b>	<b>Peak Daily</b>	<b>2-Year Projected Annual Average Flow</b>
	<b>GPD</b>	<b>GPM</b>	<b>GPD</b>	<b>GPD</b>	<b>GPD</b>
2	864,000	600	5,058	207,000	275,020

## WG Malden

P.O. BOX 196, EAST EARL, PA 17519  
PHONE: (717) 768-0800 FAX: (717) 768-0802

## \*\*\* SERVICE REPORT \*\*\*

SAINT MARTHA VILLA  
490 MANOR AVENUE  
DOWNTOWN, PA 19335

SERVICE DATE: DECEMBER 05, 2023 SERVICE CONTRACT: QUARTERLY (Q3)  
LOCATION: ST. MARTHA'S # 8 (WEST)  
METER #: C8146 AA

PRIMARY: FLUME PALMER-BOWLUS 8  
MAXIMUM CAPACITY: 309.7 GPM

METER: SIEMENS

MODEL #: HYDRORANGER 200

SERIAL #: PBD/D6260073

RECORDER:

MODEL #: N/A

SERIAL #: N/A

## \*\*\* WORK PERFORMED \*\*\*

METER CALIBRATION	ERROR: 0.02 INCHES	TOLERANCE: $\pm 0.125$ INCHES
METHOD: LEVEL MEASUREMENTS AND FLOW CHECKS		
RECORDER CALIBRATION	ERROR: N/A	TOLERANCE: N/A
CHECKED AT: N/A		
TOTALIZER CALIBRATION	ERROR: 0%	TOLERANCE: $\pm 1.000$ %
CHECKED AT: 0%, 50%, 100%		

## \*\*\* TECHNICIAN COMMENTS \*\*\*

PERFORMED QUARTERLY CALIBRATION  
CLEANED PRIMARY  
VERIFIED TOTALIZER (PASSED)  
NO ADJUSTMENT NEEDED  
LEFT EQUIPMENT OPERATING PROPERLY  
AS FOUND FLOW RATE: 14 GPM

SERVICE REPRESENTATIVE(S): JACOB BROWN, KYLE RANKIN

## WG Malden

P.O. BOX 196, EAST EARL, PA 17519  
PHONE: (717) 768-0800 FAX: (717) 768-0802

## \*\*\* SERVICE REPORT \*\*\*

SAINT MARTHA VILLA  
490 MANOR AVENUE  
DOWNTOWN, PA 19335

SERVICE DATE: DECEMBER 05, 2023 SERVICE CONTRACT: QUARTERLY (Q3)  
LOCATION: ST. MARTHA'S # 9  
METER #: C8146 AB

PRIMARY: FLUME PALMER-BOWLUS 8

MAXIMUM CAPACITY: 290.6 GPM

METER: EASTECH BADGER

MODEL #: 2200

SERIAL #: 9475

RECORDER:

MODEL #: N/A

SERIAL #: N/A

## \*\*\* WORK PERFORMED \*\*\*

METER CALIBRATION	ERROR: -0.01 INCHES	TOLERANCE: $\pm 0.125$ INCHES
METHOD: LEVEL MEASUREMENTS AND FLOW CHECKS		
RECORDER CALIBRATION	ERROR: N/A	TOLERANCE: N/A
CHECKED AT: N/A		
TOTALIZER CALIBRATION	ERROR: 0%	TOLERANCE: $\pm 1.000$ %
CHECKED AT: 0%, 50%, 100%		

## \*\*\* TECHNICIAN COMMENTS \*\*\*

PERFORMED QUARTERLY CALIBRATION  
CLEANED PRIMARY  
VERIFIED TOTALIZER (PASSED)  
NO ADJUSTMENT NEEDED  
LEFT EQUIPMENT OPERATING PROPERLY  
AS FOUND FLOW RATE: 36 GPM

SERVICE REPRESENTATIVE(S): JACOB BROWN, KYLE RANKIN

## **Appendix F**

### **Caln Township/Caln Township Municipal Authority 2023 Chapter 94 Report DARA and PAWC Service Area**

- **2023 PADEP Planning Module Correspondence**

**SENT VIA ELECTRONIC MAIL ONLY**

January 24, 2023

Ms. Kristen Denne, Manager  
Caln Township  
253 Municipal Drive  
Thorndale, PA 19372

Re: Act 537, Application for Exemption  
3720 Bungalow Glade Project  
DEP Code No. 1-15912-438-E  
Caln Township, Chester County

Dear Ms. Denne:

The Department of Environmental Protection (“DEP”) has received the above-referenced subdivision plan. This letter confirms DEP’s determination that the above-referenced project is exempt from the requirement to revise the Official Plan for new land development. This determination is based in part on municipal and other sign-offs.

The project is located at 3718 and 3720 Bright Glade, in Caln Township, Chester County.

This project proposes the construction of a new single-family dwelling on each of the lots.

The project will be connected to the Caln Township Municipal Authority collection system and will generate an additional 250 gallons of sewage per day, for a total of 500 gallons of sewage per day, to be treated at the Downingtown Area Regional Authority Wastewater Treatment Facility and the Pennsylvania American Water Authority – Coatesville Wastewater Treatment Facility.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board’s address is:

Environmental Hearing Board  
Rachel Carson State Office Building, Second Floor  
400 Market Street  
P.O. Box 8457  
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

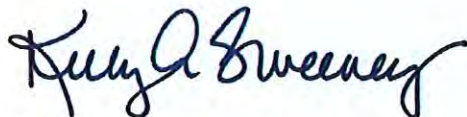
A Notice of Appeal form and the Board's rules of practice and procedure may be obtained online at <http://ehb.courtapps.com> or by contacting the Secretary to the Board at 717-787-3483. The Notice of Appeal form and the Board's rules are also available in braille and on audiotape from the Secretary to the Board.

**IMPORTANT LEGAL RIGHTS ARE AT STAKE. YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD AT 717-787-3483 FOR MORE INFORMATION. YOU DO NOT NEED A LAWYER TO FILE A NOTICE OF APPEAL WITH THE BOARD.**

**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.**

If you have any questions or concerns, please contact me at 484.250.5182.

Sincerely,



Kelly A. Sweeney  
Sewage Planning Specialist 2  
Clean Water

cc: Chester County Planning Commission (via email)  
Chester County Health Department (via email)  
Chester County Conservation District (via email)  
Kenny Construction Group LLC (via email)  
NePo Associates, Inc. (via email)  
Caln Township Municipal Authority (via email)  
Pennsylvania American Water Company (via email)  
Planning Section  
Re 30

**SENT VIA ELECTRONIC MAIL ONLY**

February 24, 2022

Ms. Kristen Denne, Manager  
Caln Township  
253 Municipal Drive  
Thorndale, PA 19372

Re: Act 537, Application for Exemption  
3205 Lincoln Highway Project  
DEP Code No. 1-15912-431-E  
Caln Township  
Chester County

Dear Ms. Denne:

The Department of Environmental Protection (“DEP”) has received the above-referenced subdivision plan. This letter confirms DEP’s determination that the above-referenced project is exempt from the requirement to revise the Official Plan for new land development. This determination is based in part on municipal and other sign-offs.

The project is located at 3205 Lincoln Highway, in Caln Township, Chester County.

This project proposes a 24,418-square-foot Aldi grocery store and a 78,745-square-foot Lomax Carpet and Tile Mart (38,833 square feet of sales area and 39,912 square feet of storage area).

The project will be connected to the Caln Township Municipal Authority collection system and will generate 500 gallons of sewage per day to be treated at the Downingtown Area Regional Authority Wastewater Treatment Facility.

The application indicates that future phases of the development may be constructed at a later date. Please be advised that additional sewage facilities may be required prior to the issuance of building permits for any additional development on this site.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board’s address is:

Environmental Hearing Board  
Rachel Carson State Office Building, Second Floor  
400 Market Street  
P.O. Box 8457  
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

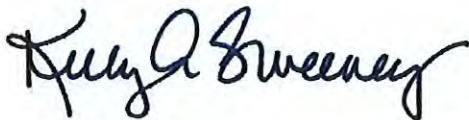
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**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.**

If you have any questions or concerns, please contact me at 484.250.5182.

Sincerely,



Kelly A. Sweeney  
Sewage Planning Specialist 2  
Clean Water

cc: Chester County Planning Commission (via email)  
Chester County Health Department (via email)  
Chester County Conservation District (via email)  
Mr. Gilinger (via email)  
Mr. Whitmore (via email)  
Mr. Mays (via email)  
Mr. Gill (via email)  
Planning Section  
Re 30



SENT VIA ELECTRONIC MAIL ONLY

March 30, 2023

Ms. Kristen Denne, Manager  
Caln Township  
253 Municipal Drive  
Thorndale, PA 19372

Re: Act 537, Application for Exemption  
Optometry Office – 5033 Horseshoe Pike  
DEP Code No. 1-15912-442-E  
Caln Township  
Chester County

Dear Ms. Denne:

The Department of Environmental Protection (“DEP”) has received the above-referenced redevelopment plan. This letter confirms DEP’s determination that the above-referenced project is exempt from the requirement to revise the Official Plan for new land development. This determination is based in part on municipal and other signoffs. The project is located at 5033 Horseshoe Pike, in Caln Township, Chester County on Tax Parcel 39-2-27.1.

This project proposes to convert the existing veterinary hospital into a new optometry office on an existing, 0.79-acre lot.

The project will be connected to the Caln Township Municipal Authority collection system and will generate 500 gallons of sewage per day (“gpd”) to be treated at the Downingtown Area Regional Authority Wastewater Treatment Facility and the Pennsylvania American Water Company – Coatesville Wastewater Treatment Facility

The new optometry office will be served by a privately-owned grinder pump and low-pressure force main, which will connect to an existing low-pressure force main within Horseshoe Pike. The proposed projects and sewer connections are depicted on the site plan entitled *New Sanitary Sewer Connection: Optometry Office Conversion*, prepared by Renew Design Group, Inc., dated January 30, 2023, and last revised March 10, 2023.

No other uses may connect to the private grinder pump.

Operation and maintenance requirements for the proposed grinder pump are provided through the Caln Township Commercial Property Operation and Maintenance Agreement Duplex Grinder Pump Systems enacted on February 17, 2023.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (“Board”), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board’s address is:

Environmental Hearing Board  
Rachel Carson State Office Building, Second Floor  
400 Market Street  
P.O. Box 8457  
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

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**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.**

If you have any questions concerning the information required, please contact me at 484.250.5175 or at [knuble@pa.gov](mailto:knuble@pa.gov) and refer to the project name and DEP Code No. as referenced above.

Sincerely,



Kevin F. Nuble  
Sewage Planning Specialist 1  
Clean Water

cc: Chester County Health Department  
Chester County Planning Commission  
Chester County Conservation District  
Mr. Yannelli – First Light Investment Group, LLC  
Mr. Knab – Renew Design Group, Inc.  
Mr. Gill – Caln Township Municipal Authority  
Planning Section  
Re 30

**SENT VIA ELECTRONIC MAIL ONLY**

May 16, 2023

Ms. Kristen Denne, Manager  
Caln Township  
253 Municipal Drive  
Thorndale, PA 19372

Re: Act 537, Application for Exemption  
4000 Hazelwood Avenue  
DEP Code No. 1-15912-443-E  
Caln Township  
Chester County

Dear Ms. Denne:

The Department of Environmental Protection (“DEP”) has received the above-referenced subdivision plan. This letter confirms the DEP’s determination that the above-referenced project is exempt from the requirement to revise the Official Plan for new land development. This determination is based in part on municipal and other signoffs. The project is located at 4000 Hazelwood Avenue in Caln Township, Chester County.

This project proposes a 2-lot residential subdivision containing one (1) new single-family dwelling and one (1) existing on 5.686 acres. The existing dwelling is served by an onlot sewage disposal system and will remain connected. The proposed dwelling will be connected to a public sewer.

The project will be connected to the Caln Township Municipal Authority collection system and will generate 250 gallons of sewage per day (“gpd”) to be treated at the Downingtown Area Regional Authority Wastewater Treatment Facility and the Pennsylvania American Water Company – Coatesville Wastewater Treatment Facility.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (“Board”), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board’s address is:

Environmental Hearing Board  
Rachel Carson State Office Building, Second Floor  
400 Market Street  
P.O. Box 8457  
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

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**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.**

If you have any questions or concerns, please contact me at 484.250.5175.

Sincerely,



Kevin Nuble  
Environmental Sewage Planning Specialist 1  
Clean Water

cc: Chester County Health Department (via email)  
Chester County Planning Commission (via email)  
Chester County Conservation District (via email)  
Ms. Travaglini (via email)  
Mr. Delaney – E.B. Walsh & Associate, Inc (via email)  
Mr. Mays – Downingtown Are Regional Authority (via email)  
Mr. Gill – Caln Township Municipal Authority (CTMA) (via email)  
Planning Section  
Re

October 2, 2023

**SENT VIA ELECTRONIC MAIL ONLY**

Mr. Colen Sorber  
Howell Engineering  
1250 Wrights Lane  
West Chester, PA 19382  
csorber@knowhowell.com

Re: Act 537 Planning Waiver  
Brian Hoskins Ford Addition  
DEP Code No. 1-15912-446-X  
Caln Township  
Chester County

Dear Mr. Sorber:

This letter is in response to the application for Sewage Facilities Planning Modules for a 1,935-square-foot addition to an existing building on 8.7 acres. No new employees and no increase in sewage flows are proposed with this project. This development is located at 2601 East Lincoln Highway in Caln Township, Chester County, on Tax Map Parcel 39-4-55.2.

The Department of Environmental Protection (DEP) has determined that sewage facilities planning is not required for this project. Therefore, no planning modules are required to be submitted to DEP.

The project will continue to be served by the Caln Township Municipal Authority (CTMA) collection system, and the Pennsylvania American Water Company (PAWC) Coatesville Wastewater Treatment Facility and/or the Downingtown Area Regional Authority (DARA) Wastewater Treatment Facility.

The determination that sewage facilities planning is not required is based on the applicant's representation that the proposed addition will not increase sewage flows from the property. Should any further subdivision, improvements and/or additional uses be proposed for the property, the project sponsor must submit a Sewage Facilities Planning Module Application Mailer to DEP in order to determine whether additional sewage facilities planning is required.

This response is only a determination of planning requirements under the Pennsylvania Sewage Facilities Act concerning the above-referenced project. We recommend that the applicant contact Caln Township, CTMA, DARA and PAWC regarding any additional local requirements applicable to this project.

Mr. Colen Sorber

-2-

October 2, 2023

If you have any questions or concerns, please contact me at 484.250.5179 or [subanks@pa.gov](mailto:subanks@pa.gov).

Sincerely,



Suzanne Banks  
Sewage Planning Specialist 2  
Clean Water

Cc: Chester County Planning Commission (via email)  
Chester County Health Department (via email)  
Chester Conservation District (via email)  
Caln Township (via email)  
CTMA (via email)  
PAWC (via email)  
DARA (via email)  
Brian Hoskins Ford (via email)  
Planning Section

SENT VIA ELECTRONIC MAIL ONLY

November 27, 2023

Mr. Dave DiCecco  
Howell Engineering  
1250 Wrights Lane  
West Chester, PA 19380

Re: Act 537, Sewage Facilities Planning  
Celebree School  
DEP Code No. 1-15912-447-X  
Caln Township  
Chester County

Dear Mr. DiCecco:

This letter is in reference to your application for Sewage Facilities Planning Modules for the refiguration of a medical office to a daycare facility. The project is located 3025 & 3035 C G Zinn Road, in Caln Township, Chester County.

The project will be connected to the Downingtown Area Regional Authority collection system and will generate 954 gallons of sewage per day to be treated at the Downingtown Area Regional Authority Wastewater Treatment Facility.

This response is only a determination of planning requirements under the Pennsylvania Sewage Facilities Act concerning the above-referenced project. We recommend that the applicant contact the municipality in which the project is located and the permittees of the collection, conveyance, and treatment facilities that will serve the project for any additional local requirements applicable to this project.

If you have any questions or concerns, please contact me at 484.250.5765.

Sincerely,



Grace Fanning  
Environmental Trainee  
Clean Water

cc: Chester County Planning Commission (via email)  
Chester County Health Department (via email)  
Chester County Conservation District (via email)  
Caln Township (via email)  
Downingtown Area Regional Authority (via email)  
Planning Section  
Re 30

## **Appendix G**

### **Caln Township/Caln Township Municipal Authority 2023 Chapter 94 Report Municipal Drive Pump station**

- **Municipal Drive Pump Station Discussion**

## **Municipal Drive Pump Station**

The Municipal Pump Station came online November 2020 and has replaced the existing North Caln Road Pump Station, with all flows currently tributary to the North Caln Road Pump Station being conveyed by gravity into the Caln Interceptor. The new pump station, with a 20 year life expectancy on mechanical equipment and a 50 year life expectancy on concrete and masonry, was constructed near the intersection of Municipal Drive and G.O. Carlson Boulevard along the Caln Interceptor. The new Municipal Pump Station has two (2) KSB Model KRTF 100-401/654XEG1-2 87 hp, 1,778 rpm, Explosion Proof Submersible Solids Handling Pumps with a pumping capacity of 600 gpm (864,000 GPD) at 209 ft of head and will convey flows from the Caln Interceptor via a new 8-inch diameter force main approximately 14,000 linear feet in length to the PAWC gravity conveyance system in order to maintain a 1,387,500 52-week daily average at DARA. There is an approximately 100-foot static head from the wet well to the discharge manhole. All flows not pumped to PAWC from the Caln Interceptor will be conveyed to DARA in the Caln Interceptor. The pump station controls can be set to pump an adjustable amount of wastewater to PAWC to allow compliance with both the DARA agreement and PAWC agreement. The predetermined flow quantity will be set and adjusted as needed to minimize any reduction in flow to DARA and to minimize any increase in flow to PAWC. Do to the repairs being made to the force main during 2023 the Municipal Drive pumping station pumped an annual average of approx. 5,058 GPD last year to PAWC. The pump station has a 200 kW Cummins Model C200D6D Diesel generator with an automatic transfer switch.



Exhibit F

Pennsylvania Department of Environmental Protection

2 East Main Street  
Norristown, PA 19401  
July 7, 2009

Southeast Regional Office

Phone: 484-250-5970  
Fax: 484-250-5971

Mr. Scott Gill, Director  
Calm Township Municipal Authority  
253 Municipal Drive  
Thorndale, PA 19372

RECEIVED

JUL 10 2009

CALN TWP.  
WASTEWATER

Re: Municipal Dr. Pump Station  
Sewerage 1509401  
File Type: Permit  
Calm Township  
Chester County

SCANNED

JUL 10 2009

Dear Mr. Gill:

ELECTRONICALLY FILED

Your permit is enclosed.

You must comply with all Standard and Special Conditions attached to this permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Enclosed is the "Sewage and Industrial Wastewater Facilities Construction Certification" form. A Pennsylvania-registered Professional Engineer must sign and complete this form prior to startup of the facilities (see Special Conditions). You or your authorized representative must also sign the form. This certification and other post-construction documentation must be submitted to the Department within 30 days following startup of the facilities.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.



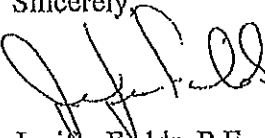
Mr. Scott Gill, Director

- 2 -

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If you have any questions, please call Mr. David Talley at 484-250-5181.

Sincerely,  
  
Jenifer Fields, P.E.  
Regional Manager  
Water Management

Enclosures

cc: Mr. Dingman – Bursich Associates  
Operations Section  
Mr. Sheckler  
Re (joh09wqm)131-33



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

**WATER QUALITY MANAGEMENT  
PERMIT**

AMENDMENT NO. \_\_\_\_\_

APS ID 686309

AUTH ID 782021

<p>A. PERMITTEE (Name and Address): <b>Caln Township Municipal Authority</b> 253 Municipal Drive Thorndale, PA 19372</p>	<p>CLIENT ID#: <b>41982</b></p> <p>B. PRIMARY FACILITY (Name): <b>PA American Water Coatesville WWTP -- Municipal Drive Pump Station</b></p>
--	--

<p>C. LOCATION (Municipality, County): <b>Caln Township</b> <b>Chester County</b></p>	<p>SITE ID#: <b>648892</b></p>
---	------------------------------------

D. **This permit approves the construction and operation of sewerage facilities consisting of:  
a pump station with 8" force main and all associated appurtenances.**

<p>Pump Stations: <u>1</u> Design Capacity: <u>536</u> GPM Average Annual Flow: <u>771,840</u> GPD</p>	<p>Manure Storage: Volume _____ MG Freeboard: _____ inches</p>	<p>Industrial Wastewater/Sewage Treatment Facility: Annual Average Flow: _____ MGD Design Hydraulic Capacity: _____ MGD Design Organic Capacity: _____ lb/day</p>
--	--	---

E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:

1. **New Permits:** All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit application dated 01/20/09, its supporting documentation, and addendums dated \_\_\_\_\_, which are hereby made a part of this permit.

**Amendments:** All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit Amendment application dated \_\_\_\_\_ and its supporting documentation, and addendums dated \_\_\_\_\_, which are hereby made a part of this amendment.

Except for any herein approved modifications, all terms, conditions, supporting documentation and addendums approved under Water Quality Management Permit No. \_\_\_\_\_ dated \_\_\_\_\_ shall remain in effect.

**Transfers:** Water Quality Management Permit No. \_\_\_\_\_ dated \_\_\_\_\_ and conditions, supporting documentation and addendums are also made part of this transfer.

2. **Permit Conditions Relating to Sewerage** are attached and made part of this permit.

3. Special Conditions numbered \_\_\_\_\_ are attached and made part of this permit.

F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.

2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.

3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 et seq. Issuance of this permit shall not relieve the permittee of any responsibility under any other law.

<p>PERMIT ISSUED: <b>July 7, 2009</b></p>	<p>BY: <u></u> TITLE: <u>Water Management Program Manager</u></p>
---	---



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT  
**PERMIT CONDITIONS RELATING TO SEWERAGE**  
For use in Water Quality Management Permits

(Place a  $\checkmark$  in the box that applies)

**General**

- 1. Consistent with the Department of Environmental Protection's (DEP) technical guidance document *Conducting Technical Reviews of Water Quality Management Permit Wastewater Treatment Facilities* (DEP ID: 362-2000-007) available on DEP's website at [www.dep.state.pa.us](http://www.dep.state.pa.us), DEP considers the registered Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1376, as amended.
- 4. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 7. This permit authorizes the construction and operation of the proposed sewerage facilities until such time as facilities for conveyance and treatment at a more suitable location are installed and capable of receiving and treating the permittee's sewage. Such facilities must be in accordance with the applicable municipal official plan adopted pursuant to Section 5 of the Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended. When such municipal sewerage facilities become available, the permittee shall provide for the conveyance of the sewage to these sewerage facilities, abandon the use of these approved facilities and notify DEP accordingly. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- 8. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 9. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- 10. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in NPDES Permit No. PA\_\_\_\_\_ and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

- 11. An Erosion and Sedimentation (E&S) Plan must be developed prior to construction of the permitted facility, pursuant to Title 25 Pa. Code Chapter 102, and implemented during and after the earth disturbance activity.  
  
If the activity involves 5 or more acres of earth disturbance, or from 1 to 5 acres of earth disturbance with a point source discharge to surface waters of the Commonwealth, an NPDES permit for the Discharge of Stormwater Associated with Construction Activity is required.  
  
In addition to the state NPDES permitting requirements, some municipalities, through local ordinances, require the E&S Control Plan to be reviewed and approved by the local County Conservation District office prior to

construction. For specific information regarding E&S control planning approval and NPDES permitting requirements, please contact your local County Conservation District office.

- 12. The facilities shall be constructed under the supervision of a Pennsylvania registered Professional Engineer in accordance with the approved reports, plans and specifications.
- 13. A Pennsylvania registered Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" (3800-PM-WSWM0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. If requested, "as-built" drawings, photographs (if available) and a description of any DEP-approved deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- 14. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 15. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

### Operation and Maintenance

- 16. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 17. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 18. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 19. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 20. The sewerage facilities shall be properly operated and maintained to perform as designed.
- 21. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 22. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 83 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- 23. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 24. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 25. All connections to the approved sanitary sewers must be in accordance with the corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- 26. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**WATER QUALITY MANAGEMENT  
 POST CONSTRUCTION CERTIFICATION**

PERMITTEE IDENTIFIER	
Permittee	Caln Township Municipal Authority
Municipality	Caln Township
County	Chester County
WQM Permit No.	1509401
Facility Type	Pump Station
<b>All of the above information should be taken directly from the Water Quality Management Permit.</b>	
CERTIFICATION	
<p>This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.</p>	
<p>I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.</p>	
<p>Construction Completion Date (MM/DD/YYYY): _____</p>	
<p>Engineer's Seal</p>	<b>Professional Engineer</b>
	Name _____ (Please Print or Type)
	Signature _____
	Date _____
	License Expiration Date _____
	Firm or Agency _____
	Telephone _____
	<b>Permittee or Authorized Representative</b>
	Name _____ (Please Print or Type)
	Signature _____
	Title _____
	Telephone _____



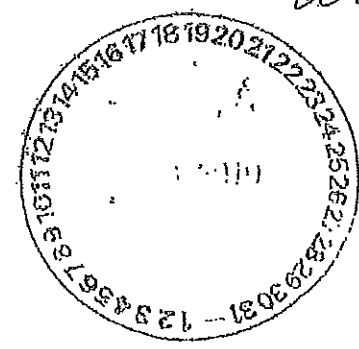
# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHEAST REGIONAL OFFICE

CHA-02  
Exhibit F-853

WQM 2



August 11, 2010

Mr. Gregory Prowant, Manager  
Calm Township  
Municipal Building  
225 Municipal Drive  
P.O. Box 72149  
Thorndale, PA 19372-0149

Re: Municipal Drive Pump Station  
WQM Permit No. 1509401  
Flow Metering/Control System

Dear Mr. Prowant:

This is in response to your May 25, 2010, submission of information regarding the flow metering and control system for the above-referenced pump station. This information has been submitted in accordance with paragraph 8 of the reissued Calm Township Act 537 Plan Update approval letter, dated March 26, 2010, and paragraph 6 of the Settlement Agreement, dated March 26, 2010. The purpose of this review is to ensure the proposed flow metering and associated pump station control system will meet the intent of the flow proportioning contained in the Act 537 Plan update, and to determine if a Water Quality Management (WQM) permit amendment is needed to modify the proposed control system.

We have reviewed the information regarding the flow metering and pump control system and have determined that the proposed design is adequate to manage sewage flows in accordance with the approved Act 537 Plan Update and does not substantially alter the permitted pump station. Therefore, it is not necessary to pursue an amendment to WQM Permit No. 1509401. Thank you for your assistance in this evaluation. Please contact me at the phone number located in the footer below if you have any questions.

Sincerely,

Keith Dudley, P.E.  
Environmental Engineer Manager  
Municipal Planning and Finance Section  
Water Management

cc: Mr. Dingman, P.E. - Bursich Associates  
Vince Pompo, Esq. - Lamb McBriane, P.C.  
Adam Bram, Esquire - PADEP, Assistant Counsel  
Mr. Venzlato - PADEP  
Re 30 (CM10WC)223

Southeast Regional Office | 2 East Math Street | Norristown, PA 19401-4915

484.250.5970 | Fax 484.250.5971

Printed on Recycled Paper

www.depweb.state.pa.us

## **Appendix H**

**Caln Township/Caln Township Municipal Authority  
2023 Chapter 94 Report  
Fisherville Road Pump Station (Kings Grant)**

- **Fisherville Road Pump Station (Kings Grant)**

## **Fishersville Road Pump Station (Kings Grant PADEP 2005 WQM Permit No. 1504416)**

The Fishersville Road Pump Station pumps the wastewater from the Cain Meeting House Road and Fishersville Road Area to the DARA Treatment Facility. The station contains two pumps each rated at 275 gallons per minute. This pumping station and associated 6" force main were constructed in 2005. The 6" force main is constructed of SDR 18 PVC. The Fishersville Road Pump Station currently serves 132 residential properties and 2 commercial properties (WAWA and CVS) and pumped an average annual daily average flow of approximately 22,856 GPD last year. The pump station has a permitted peak design capacity of 396,000 GPD (275 GPM) and a permitted Average Annual Flow of 55,500 GPD (PADEP Permit No. 1504416). The existing Fishersville Road Pump Station has two (2) 275 gpm KSB Model KRT F 100-401/354 4 X GS 50 hp, 1800 rpm, Explosion Proof Submersible Solids Handling Pumps. The pump discharges through approximately 5,492 feet of 6" PVC SDR 18 force main to a manhole located on Kings Highway. There is an approximately 142 foot static head from the wet well to the discharge manhole.



Pennsylvania Department of Environmental Protection **Exhibit F**

2 East Main Street  
Norristown, PA 19401  
February 15, 2005

*Original packet to SG.*

Southeast Regional Office

Phone: 484-250-5970  
Fax: 484-250-5971

Mr. Gregory E. Prowant  
Township Manager  
Caln Township  
253 Municipal Drive  
Thorndale, PA 19372

**REC'D FEB 17 2005**

Re: Caln Township Sewer System to DRWPCC  
Sewage Permit No. 1504416  
File Type: Permit  
Caln Township  
Chester County

Dear Mr. Prowant:

Your permit is enclosed.

You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please take the time to complete the enclosed questionnaire and return it in the enclosed postage paid return envelope.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.**



February 15, 2005

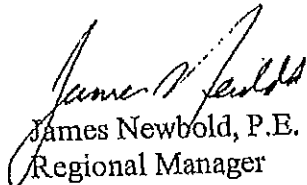
Mr. Gregory E. Prowant

- 2 -

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If you have any questions, please call Mr. Pravin Patel at 484-250-5194.

Sincerely,

  
James Newbold, P.E.  
Regional Manager  
Water Management

Enclosures

cc: Mr. Duerr- Applied Water Management, Inc.  
Operations Section  
Water Management  
Permits Chief  
File  
Re (CD05WQM)38



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT  
**PERMIT CONDITIONS RELATING TO SEWERAGE**  
For use in Water Quality Management Permits

(Place a  $\checkmark$  in the box that applies)

**General**

- 1. Consistent with the Department of Environmental Protection's (DEP) technical guidance document *Conducting Technical Reviews of Water Quality Management Permit Wastewater Treatment Facilities* (DEP ID: 362-2000-007) available on DEP's website at [www.dep.state.pa.us](http://www.dep.state.pa.us), DEP considers the registered Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 4. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 7. This permit authorizes the construction and operation of the proposed sewerage facilities until such time as facilities for conveyance and treatment at a more suitable location are installed and capable of receiving and treating the permittee's sewage. Such facilities must be in accordance with the applicable municipal official plan adopted pursuant to Section 5 of the Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended. When such municipal sewerage facilities become available, the permittee shall provide for the conveyance of the sewage to these sewerage facilities, abandon the use of these approved facilities and notify DEP accordingly. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- 8. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 9. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- 10. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in NPDES Permit No. PA\_\_\_\_\_ and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

- 11. An Erosion and Sedimentation (E&S) Plan must be developed prior to construction of the permitted facility, pursuant to Title 25 Pa. Code Chapter 102, and implemented during and after the earth disturbance activity.  
If the activity involves 5 or more acres of earth disturbance, or from 1 to 5 acres of earth disturbance with a point source discharge to surface waters of the Commonwealth, an NPDES permit for the Discharge of Stormwater Associated with Construction Activity is required.  
In addition to the state NPDES permitting requirements, some municipalities, through local ordinances, require the E&S Control Plan to be reviewed and approved by the local County Conservation District office prior to

construction. For specific information regarding E&S control planning approval and NPDES permitting requirements, please contact your local County Conservation District office.

- 12. The facilities shall be constructed under the supervision of a Pennsylvania registered Professional Engineer in accordance with the approved reports, plans and specifications.
- 13. A Pennsylvania registered Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" (3800-PM-WSWM0170a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. If requested, "as-built" drawings, photographs (if available) and a description of any DEP-approved deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- 14. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 15. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

#### Operation and Maintenance

- 16. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 17. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 18. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 19. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 20. The sewerage facilities shall be properly operated and maintained to perform as designed.
- 21. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 22. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- 23. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 24. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 25. All connections to the approved sanitary sewers must be in accordance with the corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- 26. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.



**WATER QUALITY MANAGEMENT  
PERMIT**

APS ID 541586

AUTH ID 577246

<b>A. PERMITTEE (Name and Address):</b> Caln Township 253 Municipal Drive Thorndale, PA 19372	<b>CLIENT ID#:</b> 41982	<b>B. PRIMARY FACILITY (Name):</b> Caln Twp. Sew. Sys. to DRWPCC
--	--------------------------	---

<b>C. LOCATION (Municipality, County):</b> Caln Township Chester County	<b>SITE ID#:</b> 648892
---	----------------------------

**D. This Permit approves the Construction/Operation of facilities consisting of: Pump Station and Force Main.**

<b>Pump Stations:</b> <u>X</u> <b>Design Capacity:</b> <u>275</u> GPM (Peak) <b>Average Annual Flow:</b> <u>55,500</u> GPD	<b>Manure Storage:</b> Volume _____ MG Freeboard: _____ Inches	<b>Industrial Wastewater/Sewage Treatment Facility:</b> Annual Average Flow: _____ MGD Design Hydraulic Capacity: _____ MGD Design Organic Capacity: _____ lb/day
--	--	--

**E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:**

1. **New Permits:** All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit application dated 12/06/04, its supporting documentation, and addendums dated \_\_\_\_\_, which are hereby made a part of this permit.

**Amendments:** All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit Amendment application dated \_\_\_\_\_ and its supporting documentation, and addendums dated \_\_\_\_\_, which are hereby made a part of this amendment.

Except for any herein approved modifications, all terms, conditions, supporting documentation and addendums approved under Water Quality Management Permit No. \_\_\_\_\_ dated \_\_\_\_\_ shall remain in effect.

**Transfers:** Water Quality Management Permit No. \_\_\_\_\_ dated \_\_\_\_\_ and conditions, supporting documentation and addendums are also made part of this transfer.

2. **Permit Conditions Relating to Sewerage** are attached and made part of this permit.

3. **Special Conditions** numbered \_\_\_\_\_ are attached and made part of this permit.

**F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:**

1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.

2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.

3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 of seq. Issuance of this permit shall not relieve the permittee of any responsibility under any other law.

<b>PERMIT ISSUED:</b>  February 15, 2005	<b>BY:</b> <u>James J. Javala</u> <b>TITLE:</b> <u>Water Management Program Manager</u>
--	--



## **Appendix I**

### **Caln Township/Caln Township Municipal Authority 2023 Chapter 94 Report Moore Road Pump Station (Hillview)**

- **Moore Road Pump Station (Hillview)**

## **Moore Road Pump Station (Villages @ Hillview PADEP 2020 Permit No. WQG02152003)**

The Moore Road Pump Station (associated with the Villages at Hillview development) pumps the wastewater from the Moore Road and Blackhorse Hill Road Area to the PAWC Treatment Facility. The Moore Road Pump Station is currently designated to serve 90 residential properties constructed as part of the Villages of Hillview development and 11 existing homes along Moore Road, with the capability to accept flows from additional existing properties once conveyance to pump station is available. The station pumped an average annual daily flow of approximately 4,293 GPD last year. The station is equipped with variable frequency drives which control the speed of two pumps, each of which is capable of pumping 170 gpm at a pressure of 224.5 ft. The initial design calls for the pumps to operate at 122 gpm to serve the initial 101 dwelling units. The pump speed can be increased in the future (via the variable frequency drives) to accommodate additional connections to the sewer system. The pumping station and associated 4" force main were constructed in 2021 with an official startup on October 13, 2021. The 4" force main is constructed of DR11 DIPS HDPE. The pump station has a permitted peak design capacity of 191,000 GPD (133 GPM) and a permitted Average Annual Flow of 44,000 GPD. The Moore Road Pump Station has two (2) KSB Model KRT F 100-401/374 X EG1-S (370) 50 hp, 1750 rpm, Explosion Proof Submersible Solids Handling Pumps with the capacity to handle up to 170 GPM. The pump discharges through approximately 2,500 feet of 4" DR11 HDPE DIPS force main to a manhole located on at the intersection of Blackhorse Hill Road and Heron Lane. There is an approximately 168-foot static head from the wet well to the discharge manhole. The pump station has a 125 kW Cummins C125N6 Natural Gas generator with an automatic transfer switch.

This station has not yet been offered for dedication to the Authority. The Developer will continue to monitor, operate, and maintain this station on a regular basis with reports submitted to the CTMA Engineer for review.

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER**WQG-02**  
**WATER QUALITY MANAGEMENT**  
**GENERAL PERMIT FOR SEWER EXTENSIONS AND PUMP STATIONS**  
**PERMIT CONDITIONS****General**

1. DEP considers the licensed professional engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility's design.
2. The approval is specifically made contingent on the permittee acquiring all necessary property rights, by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures in, along or across private property with full rights of ingress, egress and regress.
3. If, at any time, the sewer extension and/or pump station covered by this General Permit creates a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
4. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 2 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the second anniversary of the permit date.
5. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the facilities.
6. This General Permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to, or over any lands which belong to the Commonwealth.
7. No discharge is authorized from these facilities unless approved by an NPDES Permit.

**Construction**

8. A permit or approval is required under Chapter 102 for most earth disturbance activities. A permit or registration under Chapter 105 is required for stream obstructions, crossings, etc. The permittee must secure the necessary permits, approvals or registrations under Chapters 102 and 105 prior to beginning construction.
9. Prior to beginning any construction or excavation, the locations of all utility lines must be identified through notification to the PA One Call system ([www.paonecall.org](http://www.paonecall.org)). The notification shall not be less than three nor more than 10 working days in advance of beginning the construction or excavation.
10. The local waterways conservation officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if there is any use of explosives in any waterways and the permittee shall notify the local waterways conservation officer when explosives are to be used.
11. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The whole manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
12. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications.



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**WQG-02**  
**WATER QUALITY MANAGEMENT**  
**GENERAL PERMIT FOR SEWER EXTENSIONS AND PUMP STATIONS**  
**PERMIT NUMBER WQG02152003**

<p><b>A. PERMITTEE (Name and Address):</b> Caln Township Municipal Authority 253 Municipal Drive Thorndale, PA 19372-1015  CLIENT ID# 350069</p>	<p><b>B. PROJECT/FACILITY (Name):</b> Villages @ Hillview PS and FM/ Coatesville STP</p> <p><b>C. LOCATION (County, Municipality):</b> Caln Township, Chester County</p>
<p><b>D. This General Permit approves the construction and operation of:</b></p> <p><input type="checkbox"/> SEWER EXTENSION</p> <p><input checked="" type="checkbox"/> PUMP STATION Villages @ Hillview PS</p>	
<p><b>E. APPROVAL GRANTED BY THIS GENERAL PERMIT IS SUBJECT TO THE FOLLOWING:</b></p> <p>1. All construction, operations and procedures shall be in accordance with the <i>Domestic Wastewater Facilities Manual</i>.</p> <p><b>Transfers:</b> In the event the permittee plans to transfer ownership of the facility to another entity, the permittee and the transferee shall submit an application for such transfer to DEP. If the transfer is approved by DEP, the transferee is subject to the terms and conditions of this General Permit.</p> <p>2. The attached conditions apply to this General Permit and are hereby made part of same.</p>	
<p><b>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</b></p> <p>1. If there is a conflict between the NOI or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.</p> <p>2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this General Permit shall void the authority given to the permittee by the issuance of this General Permit.</p> <p>3. This General Permit is issued pursuant to the Clean Streams Law, Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 <i>et seq.</i> Issuance of this General Permit shall not relieve the permittee of any responsibility under any other law.</p>	
<p>PERMIT ISSUED: <u>05/18/2020</u></p>	<p>BY: <u>Therese Meyer</u></p> <p>TITLE: <u>Clean Water Program Manager</u></p>

13. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. If requested, "as-built" drawings, photographs (if available) and a description of any DEP-approved deviations from the application and design plans must be submitted to DEP within 30 days of certification. Construction must be completed within two years of permit issue date.

### **Operation and Maintenance**

14. The permittee shall maintain sewer extension and/or pump station operation and maintenance (O&M) manuals at the facility and ensure proper O&M of the permitted facility. The permittee shall file the O&M manuals with DEP upon request.
15. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sewer extension or pump station.
16. The sewer extension shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimal settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
17. The approved sewer extensions and/or pump stations shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
18. The sewer extension and/or pump station shall be properly operated and maintained so that the facility will perform as designed.
19. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
20. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of the sewer extension and/or pump station.
21. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code, Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR Part 257 and the Federal Clean Water Act and its amendments.

3800-PM-WSFR0179a 9/2005  
 Post Construction Certification



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**WATER QUALITY MANAGEMENT  
 POST CONSTRUCTION CERTIFICATION**

<b>PERMITTEE IDENTIFIER</b>	
Permittee	Caln Township Municipal Authority
Municipality	Caln Township
County	Chester
WQM Permit No.	<u>WQG02152003</u>
Facility Type	Sewage
<b>All of the above information should be taken directly from the Water Quality Management Permit.</b>	
<b>CERTIFICATION</b>	
<p>This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.</p>	
<p>I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.</p>	
<p>Construction Completion Date (MM/DD/YYYY): _____</p>	
<p><b>Engineer's Seal</b></p>	<b>Professional Engineer</b>
	Name _____ (Please Print or Type)
	Signature _____
	Date _____
	License Expiration Date _____
	Firm or Agency _____
	Telephone _____
	<b>Permittee or Authorized Representative</b>
	Name _____ (Please Print or Type)
	Signature _____
	Title _____
	Telephone _____

## **Appendix J**

### **Caln Township/Caln Township Municipal Authority 2023 Chapter 94 Report**

- **March 26, 2010, Caln Township Act 537 Approval Letter**
- **December 30, 2013, PADEP Preliminary Treatment Requirements Letter**
- **January 28, 2014, PADEP Act 537-DARA Expansion Plan of Study Approval Letter**
- **June 28, 2021, PADEP Act 537 Caln Township Plan of Study and Task Activity Report Approval Letter**
- **November 28, 2022, Chester County Planning Commission Caln Township Act 537 Plan Update Review Letter**
- **January 17, 2023, Chester County Health Department Caln Township Act 537 Plan Update Review Letter**



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
SOUTHEAST REGIONAL OFFICE

CAL-03  
Exhibit F  
083116  
Final DEP Approval

MAR 26 2010

RECEIVED MAR 31 2010

Mr. Greg Prowant, Manager  
Cain Township  
253 Municipal Drive  
Thorndale, PA 19372

Re: Act 537 Plan Update  
Official Sewage Facilities Plan  
AFS ID 512869, AUTH ID 619116  
Cain Township  
Chester County

Dear Mr. Prowant:

*This letter is a reissuance and revision of our December 21, 2009, approval of the above-referenced plan.*

We have completed our review of your municipality's updated official sewage facilities plan titled Act 537 Official Sewage Facilities Plan, as prepared by EDM Consulting, Inc., a Bursich Company, dated October 2005, last revised by additional information dated June 26, 2007. The review was conducted in accordance with the provisions of the Pennsylvania Sewage Facilities Act.

Approval of the plan is hereby granted. The plan provides for the following:

1. Proposed sewer growth areas, existing sewer service areas, on-lot sewage disposal system areas, the sewer service area served by the Veteran's Administration Hospital, and the sewer service area served by West Brandywine Township are approved as shown in the plan in Appendix A, Plates 5 and 6.
2. Cain Township's (Township) bulk capacity allocation in the Pennsylvania American Water Company's (PAWC) Coatesville Wastewater Treatment Plant will be increased from 0.18 million gallons per day (MGD) to 0.8 MGD, consistent with the terms and conditions set forth in their capacity agreement with PAWC dated March 10, 2003, as provided in Appendix D of the plan.

SCANNED

MAR 31 2010

ELECTRONICALLY FILED

Mr. Greg Prowant, Manager

- 2 -

MAR 26 2010

3. Under the approved plan and consistent with the Intermunicipal Agreement of December 27, 1985, as amended, on February 23, 2000 (Third Amendment), by and among Downingtown Area Regional Authority (DARA) and its tributary municipalities, sewage flows to DARA's Downingtown Regional Water Pollution Control Center (DRWPCC) from the Township are to remain consistent with prior years, until such time as the plan and Intermunicipal Agreement may be modified in the future.<sup>1</sup> The Intermunicipal Agreement with DARA provides for maximum annual average flows from the Township of 1.3875 MGD and a 12 consecutive week average daily flow not to exceed 150 percent of the lowest 12-week average daily flow to DARA's DRWPCC for any 12-week period during the previous 52 weeks, as adjusted by DARA to account for new connections and unusual weather conditions.
4. The plan provides for a flow diversion from a service area in the western and central portions of the Township. This service area is to be shared between the PAWC Wastewater Treatment Facility and the DARA DRWPCC.
5. Pretreatment requirements for facilities that discharge industrial waste to the public sewers throughout the shared service area will be enforced by the Township and Caln Township Municipal Authority in accordance with the most restrictive pretreatment requirements in effect from either the PAWC facility or the DARA facility. Both DARA and PAWC will be contacted as part of the emergency contact system for the shared service area.
6. Planning approval is granted through this revision for a sewage pumping station and an 8-inch force main that will divert sewage flows to PAWC from the shared PAWC/DARA service area. The Municipal Drive Pump Station will be located adjacent to the existing Caln Interceptor in the vicinity of Municipal Drive Park and will ultimately divert average daily flows of 0.702 MGD to the PAWC system at Manhole 54. The capacity agreement with PAWC for the pumping station provides for a maximum pumping rate from the flow diversion of 536 gallons per minute, or 0.772 MGD. The proposed facilities will be owned and operated by the Caln Township Municipal Authority and are shown on Plate 5, Service Area Alternative MD-1, found in Appendix A.

<sup>1</sup> The Department acknowledges that the December 27, 1985, Intermunicipal Agreement with DARA has been amended by the parties to that agreement on May 1, 1996, January 18, 1999, February 23, 2000, May 18, 2006, and January 18, 2010.

Planning approval for the Municipal Drive Pump Station provides for metering of the total flows received at the pump station, metering the flows pumped to PAWC, and calculating the flows sent by gravity to DARA in order to determine a ratio of flows to each facility. Wet and dry weather flows will be conveyed to the PAWC Wastewater Treatment Facility and DARA's DRWPCC at ratios consistent with the flow rates allowed under the respective DARA Intermunicipal Agreement and the PAWC capacity agreement (referenced in Items 2 and 3, above) up to the maximum allowable flow rate. Flows to DARA will not exceed the maximum annual average flows of 1.3875 MGD and a 12 consecutive week average daily flow not to exceed 150 percent of the lowest 12-week average daily flow to DARA's DRWPCC for any 12-week period during the previous 52 weeks, as adjusted by DARA to account for new connections and unusual weather conditions, subject to the provisions in Item 3, above. Flows to PAWC tributary to the pump station in excess of the maximum allowable flow rate of 0.772 MGD will flow by gravity to DARA's DRWPCC.

7. Planning approval provides for Chapter 94 reporting by the Caln Township Municipal Authority to both PAWC and DARA. The Chapter 94 Report is to provide both total average flows and instantaneous or hourly total wet weather peak flows (1) received at the Municipal Drive Pump Station; (2) pumped to PAWC's Wastewater Treatment Facility; and (3) conveyed by gravity to DARA's DRWPC. The Chapter 94 Report must document that sewage flows from the shared sewer service area are being conveyed to PAWC Wastewater Treatment Facility and DARA's DRWPC consistent with the ratios indicated in Item 6, above, and as set forth in the respective DARA Intermunicipal Agreement and the PAWC capacity agreement, referenced in Items 2 and 3, above.
8. Water Quality Permit No. 1509401 was issued to the Caln Township Municipal Authority for the Municipal Drive Pump Station and associated force main on July 7, 2009. To assure implementation of the Township's plan to control wet weather sewage flows to be conveyed to PAWC's Wastewater Treatment Facility and DARA's DRWPCC through the diversion at the ratios as indicated in Item 6, above, the Caln Township Municipal Authority will install a flow metering and flow controller system necessary to assure that these ratios are maintained during wet weather/high-flow conditions.
9. The Township will develop and implement an On-Lot Sewage Disposal System (OLDS) Sewage Management Program within 5 years for the areas of the Township designated as on-lot sewage disposal system areas in Appendix A, Plates 5 and 6.

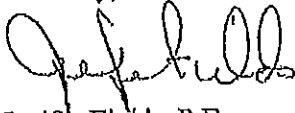
Mr. Greg Prowant, Manager

- 5 -

MAR 26 2010

If you have any questions, please feel free to contact Mr. John M. Veneziale of our office at 484.250.5175.

Sincerely,



Jenifer Fields, P.E.  
Regional Manager  
Water Management

cc: Chester County Planning Commission  
Chester County Health Department  
EDM Consulting, Inc.  
Downingtown Area Regional Authority  
Pennsylvania American Water Company  
Mr. Veneziale  
Ms. Moore  
Ms. Grant  
Mr. McHale - RCSOB  
Planning Section  
Re 30 (joh10wqm)075-10

Mr. Greg Prowant, Manager

- 4 -

MAR 26 2010

10. If future malfunctions are identified in existing on-lot sewage disposal areas, the Township will use the Department of Environmental Protection's (Department) Component 3m to evaluate and adopt sewage facilities planning for the connection of these areas to public sewers.

Please note that when future needs indicate additional or changed sewage facilities needs in the Township that require additional treatment capacity at PAWC or DARA, additional sewage facilities planning must be adopted by the Township and approved by the Department, along with any necessary changes to the inter-municipal agreements that are needed to serve the identified needs.

The Township Municipal Authority will need to submit to the Department a request for determination whether the Authority needs to amend Water Quality Management Permit No. 1509401 to reflect a proposed installation of flow metering devices and a flow controller system to assure that wet/dry weather ratios are maintained consistent with this Plan Approval.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, P.O. Box 8457, Harrisburg, PA 17105-8457, 717.787.3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800.654.5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717.787.3483) FOR MORE INFORMATION.



pennsylvania  
DEPARTMENT OF ENVIRONMENTAL  
PROTECTION  
SOUTHEAST REGIONAL OFFICE

December 30, 2013

Mr. Herbert J. Mays, PE  
Downingtown Area Regional Authority  
6 West Lancaster Avenue  
Downingtown, PA 19335

Re: Preliminary Treatment Requirements  
Downingtown Area Regional Authority  
East Caln Township  
Chester County


Dear Mr. Mays:

This is in reply to your November 27, 2013 request for Preliminary Treatment Requirements for a discharge of 8.5 million gallons per day to East Branch Brandywine Creek, for the existing treatment plant located at 550 South Brandywine Avenue, East Caln Township, Chester County.

Based on a review of your existing NPDES permit, the preliminary effluent limits for your facility are based on the wasteload allocations (WLAs) referenced in the latest revisions to the Christina River TMDL, as incorporated in your facility's existing NPDES permit. Therefore, the preliminary effluent limits for an increase in design flow from 7.5 MGD to 8.5 MGD includes a proportional reduction in the existing concentration based effluent limits (see attached table).

If you have any questions, please call Mr. Orest Kolodij at 484-250-5191. You may also wish to contact the Sewage Planning Specialist for information on Act 537 sewage facilities planning requirements for this project.

Sincerely,

  
Pravin C. Patel, P.E.  
Environmental Engineer Manager  
NPDES Permits Section  
Clean Water

cc: East Caln Township  
BCM Engineers - Mr. Charles Fagan  
Planning Section  
File

The proposed effluent limits for Outfall 001 based on a design flow of 8.5 MGD.

Parameters	Mass (lb/day)		Concentration (mg/l)			
	Average Monthly	Weekly Average Report Daily Max	Minimum	Average Monthly	Weekly Average	Instant Maximum
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0
Dissolved Oxygen	XXX	XXX	6.0	XXX	XXX	XXX
Total Residual Chlorine (Final)	XXX	XXX	XXX	0.30	XXX	1.10
CBOD5 May 1 - Oct 31	628	938	XXX	8.8	13.2	17.6
CBOD5 Nov 1 - Apr 30	1,251	1,877	XXX	17.6	26.4	35.2
Total Suspended Solids	2,127	3,190	XXX	30	45	60
Fecal Coliform	XXX	XXX	XXX	200 Geo Mean	XXX	1,000
Total Nitrogen	1,877	XXX	XXX	26.5	XXX	53
Ammonia-Nitrogen May 1 - Oct 31	125	XXX	XXX	1.8	XXX	3.6
Ammonia-Nitrogen Nov 1 - Apr 30	375	XXX	XXX	5.4	XXX	10.8
Total Phosphorus	125	XXX	XXX	1.8	XXX	3.6



# pennsylvania

DEPARTMENT OF ENVIRONMENTAL PROTECTION

SOUTHEAST REGIONAL OFFICE

Exhibit F

RECEIVED JAN 31 2014

January 28, 2014

Mr. Greg Prowant, Manager  
Calm Township  
253 Municipal Drive  
Thorndale, PA 19372

Downingtown Borough  
4-10 West Lancaster Avenue  
Municipal Government Center  
Downingtown, PA 19335

Mr. Edwin Hill, Secretary  
East Caln Township  
P.O. Box 232  
Downingtown, PA 19335

Mr. Douglass Hanley, Manager  
Uwchlan Township  
715 North Ship Road  
Exton, PA 19341-1940

SCANNED

JAN 31 2014

ELECTRONICALLY FILED

West Whiteland Township  
101 Commerce Drive  
Exton, PA 19341

Re: Act 537 - Plan of Study  
DARA Expansion  
Chester County

"-

Ladies and Gentlemen:

"

We have completed our review of your municipalities' proposed Plan of Study, as prepared by Downingtown Area Regional Authority, dated December 4, 2013.

The Plan of Study proposes to evaluate the potential for the expansion of the Downingtown Area Regional Authority's wastewater treatment facility to meet the future sewer treatment capacity needs of its member municipalities.

Approval of this proposed Plan of Study is hereby granted. The estimated cost of the plan is \$115,677. The approval of this scope of work is not a guarantee of eligibility of planning costs for reimbursement by the Commonwealth pursuant to Section 6(a) of Act 537 and 25 Pa. Code Chapter 71 of the Department of Environmental Protection (DEP)'s regulations.

This Plan of Study approval does not constitute a final action by DEP. When a completed plan is submitted to us, we will act upon it consistent with Pa. Code Title 25, Chapter 71.

Please consider the comments provided in our December 30, 2013, letter regarding preliminary treatment requirements, copy attached, in the preparation of your Act 537 Official Plan Update.

"

"

Southeast Regional Office | 2 East Main Street | Norristown, PA 19401-4915

484.250.5970 | Fax 484.250.5971

Printed on Recycled Paper

www.depweb.state.pa.us

Mr. Greg Prowant, Manager  
Downingtown Borough  
Mr. Edwin Hill, Secretary  
~~Mr. Douglass Hanley, Manager~~  
West Whiteland Township

- 2 -

January 28, 2014

The Act 537 Official Plan Update is to be formatted as suggested in the "A Guide for Preparing Act 537 Update Revisions" including the necessary items listed in the "Act 537 Plan Content and Environmental Assessment Checklist." All necessary items must be included, and a copy of the completed checklist must be included with your Act 537 Plan. This form is available on our website at:

[http://www.dep.state.pa.us/dep/deputate/watermgt/wqp/Forms/Act537/Forms\\_537Plan.htm](http://www.dep.state.pa.us/dep/deputate/watermgt/wqp/Forms/Act537/Forms_537Plan.htm)

Also, please be advised that DEP will not pay grants under the act for planning costs incurred prior to September 26, 2013, the date of a pre-Plan of Study meeting, or for information that has been completed previously under local, state, or federal funding programs.

If you have any questions, please contact me at 484.250.5175.

Sincerely,



John M. Venezia  
Sewage Planning Specialist 2  
Clean Water

Attachment: DEP letter, 12/30/2013

cc: Chester County Planning Commission  
Chester County Health Department  
Downingtown Area Regional Authority  
Ms. Volleró - RCSOB, 11th Floor, Sewage Facilities  
Planning Section  
Re 30 (GJE14GLW)028-6

**SENT VIA ELECTRONIC MAIL ONLY**

June 28, 2021

Ms. Kristen Denne, Manager  
Caln Township  
253 Municipal Drive  
Thorndale, PA 19372

Re: Act 537 - Plan of Study (POS)  
and Task Activity Report (TAR)  
Caln Township  
Chester County

Dear Ms. Denne:

The Department of Environmental Protection (“DEP”) has completed our review of your municipality’s proposed plan of study and Task/Activity Report, as prepared by Gilmore & Associates, Inc., dated May 2021.

The proposed Act 537 Plan Update will evaluate the Downingtown Area Regional Authority sewer service area within Caln Township and the sewer capacity needs of that sewer service area.

Your Plan of Study is hereby approved. The estimated cost of the preparation of the plan is \$14,915. In accordance with your approved Task/Activity Report, your completed planning package will be submitted to DEP for review by June 2022. The resulting Act 537 Official Plan Update must be consistent with Act 537, Chapter 71, Sections 71.21 and 71.31 of DEP’s regulations.

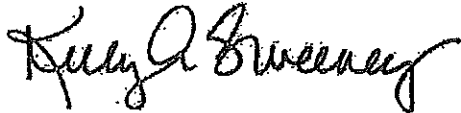
Your municipality’s Act 537 Official Plan Update is to be formatted as suggested in the guidance document titled *A Guide for Preparing Act 537 Update Revisions*, including the necessary items listed in the “Act 537 Plan Content and Environmental Assessment Checklist” found in the guidance document. All necessary items must be included, and a copy of the completed checklist must be included with your Act 537 Plan. This form is available on our website.

If the proposed plan will affect municipalities other than Caln Township, we urge you to coordinate with those municipalities early in the planning process in order to facilitate the review of your plan.

This plan of study approval does not constitute a final action by the DEP. When a completed plan is submitted to us, we will act upon it consistent with PA Code Title 25, Chapter 71.

If you have any questions, please contact me at 484.250.5182.

Sincerely,

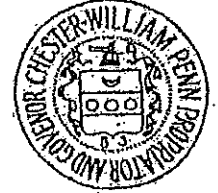
A handwritten signature in black ink that reads "Kelly A. Sweeney". The signature is written in a cursive style with a large initial "K".

Kelly Sweeney  
Sewage Planning Specialist 2  
Clean Water

cc: Chester County Planning Commission (via email)  
Chester County Conservation District (via email)  
Chester County Health Department (via email)  
Mr. Bickhart (via email)  
Mr. Gill (via email)  
Mr. Dingman (via email)  
Mr. Mays (via email)  
Mr. Kelly (via email)  
Mr. DeBalko (via email)  
RCSOB, 11<sup>th</sup> Floor, Sewage Facilities (via email)  
Planning Section  
Re 30



# THE COUNTY OF CHESTER



COMMISSIONERS  
Marian D. Moskowitz  
Josh Maxwell  
Michelle Kichline

Brian N. O'Leary, AICP  
Executive Director

PLANNING COMMISSION  
Government Services Center, Suite 270  
601 Westtown Road  
P. O. Box 2747  
West Chester, PA 19380-0990  
(610) 344-6285 Fax (610) 344-6515

November 28, 2022

Ross Bickhart, PE  
Gilmore & Associates, Inc.  
119 E. Linden Street  
Kennett Square, PA 19348  
rbickhart@gilmore-assoc.com

Re: Caln Township Act 537 Plan Update-2022, Caln Township

Dear Mr. Bickhart:

The Chester County Planning Commission (Planning Commission) has reviewed the Draft 537 Plan Update for Caln Township, dated October 2022 as required by Section 71.31(b) of the Pennsylvania Sewage Facilities Act (Act 537). The Plan was prepared by Gilmore and Associates Inc. and was received on October 5, 2022. As proposed, the selected alternative is to continue to utilize the two service providers, Downingtown Area Regional Authority (DARA) and Pennsylvania American Water Company (PAWC).

The following comments are offered based on review of the document:

A. Consistency of the Act 537 Plan Update with the County Comprehensive Plan --  
*Landscapes3*:

1. *Landscapes3* Map:

*Landscapes3* designates the area of Caln Township as being located within the Urban Center, Suburban Center, and Suburban Landscapes. The Planning Commission finds the proposal to be consistent with the Map of *Landscapes3* (2018).

2. *Landscapes3* Plan:

As presented, the areas currently connected and proposed to connect to the public system, are located within a designated growth area, and are consistent with *Landscapes3* Connect Objective F, which states, "Coordinate water and sewage facilities planning with land use planning so that development is directed toward designated growth areas with adequate and well-maintained infrastructure."

B. Consistency of the Selected Alternative with *Landscapes3*:

The selected alternative for Caln Township is to continue to utilize the existing systems as indicated by the Township as Pennsylvania American Water Company and Downingtown Area Regional Authority. The proposed alternative is consistent with *Landscapes3* Connect Goal, "Advance efficient, reliable, and innovative transportation, utility, and communications

infrastructure systems that responsibly serve thriving and growing communities.” As proposed, this connection is consistent with *Landscapes3*.

## C. Consistency with the County Water Resources Plan - *Watersheds*:

*Watersheds*, the water resources element of the County comprehensive plan, identifies Objective 7.2 of Goal 7, “concentrate planned utility service areas to support designated growth areas.” Caln Township, according to the Landscapes Map, is located within the Urban Center, Suburban Center, and Suburban Landscape, and as such, the proposed plan update is consistent with the objectives of *Watersheds*.

## D. General Comments:

1. The Planning Commission would like to commend Caln Township for revisiting their 2005 Plan and incorporating current data and analysis to plan for the next 20 years, which includes planning for wastewater service contingencies, should development occur when capacity is not available by that service provider. This includes the provision to divert flows to PAWC should DARA’s treatment facilities not be upgraded at the time they would be needed, with the ability to change flow direction upon availability to go back to DARA, allowing Caln Township to address sewage needs as the Township continues to develop.
2. According to the National Pipeline Mapping System (NMPS), portions of the Township are located within areas containing pipelines operated by TransCanada/Columbia Gas and Transco/Williams Gas Pipeline Company. While the location of these corridors do not preclude development along the pipeline corridor itself, there may be special steps that can avoid negative impacts or interactions between the public and the pipeline. The Planning Commission recommends contacting the pipeline operator to coordinate construction activities. Contact information for the operators can be found on the Chester County Pipeline Information Center website <http://www.landscapes2.org/pipeline/Operators.cfm>.

Thank you for the opportunity to offer comments on this Plan. We hope that these comments will be of assistance as you prepare for submission of this planning document to the PA DEP. If you have any questions, please contact me at 610-344-6285 or [cconwell@chesco.org](mailto:cconwell@chesco.org).

Sincerely,



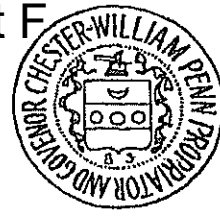
Carrie J. Conwell, AICP  
Senior Environmental Planner

cc: Elizabeth Mahoney, PaDEP  
Ryan Oxenford, Chester County Health Department  
Scot Gill, Director of Wastewater for Caln Township



# THE COUNTY OF CHESTER

Exhibit F



COMMISSIONERS  
Marian Moskowitz  
Josh Maxwell  
Michelle Kichline

CHESTER COUNTY HEALTH DEPARTMENT  
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JEANNE E. FRANKLIN, MPH, PMP  
County Health Director

RECEIVED

JAN 20 2023

CALN TOWNS  
FINANCE DEPT.

January 17, 2023

Paul Mullin, President  
Board of Commissioners  
Caln Township  
253 Municipal Drive  
Thorndale, PA 19372

RE: Act 537 Official Sewage Facilities Plan Update

Dear Paul Mullin,

The Chester County Health Department (CCHD) is in receipt of the above noted Act 537 Official Sewage Facilities Plan Update for Caln Township. This Act 537 update was prepared by Gilmore & Associates, Inc., is dated August 2022, and was received by CCHD on October 5, 2022.

This Act 537 update was reviewed in accordance with Title 25, Environmental Protection, Chapter 71, Administration of Sewage Facilities Planning Program, Chapter 71 § 71.31.(b.). Based on the information presented and after review of the Act 537 update, CCHD has no comments for consideration.

Thank you for the opportunity to review this Act 537 update. Please contact me if you have any questions or concerns. I can be reached at 610-344-6488 or [roxenford@chesco.org](mailto:roxenford@chesco.org).

Sincerely,

Ryan Oxenford  
Environmental Health Supervisor  
Chester County Health Department  
(610) 344-6488  
[roxenford@chesco.org](mailto:roxenford@chesco.org)

CC: Carrie Conwell, Chester County Planning Commission  
Ross Bickhart, P.E., Senior Project Manager  
PA DEP – SE Regional Office  
File

# **J. West Brandywine Township 2023 Chapter 94 Report**

**MUNICIPAL WASTELOAD MANAGEMENT  
ANNUAL REPORT  
CALENDAR YEAR 2023**

**MARCH 2024**

**PREPARED FOR:**

**WEST BRANDYWINE TOWNSHIP MUNICIPAL AUTHORITY  
198 LAFAYETTE ROAD  
WEST BRANDYWINE, PA 19320**

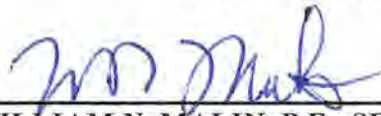


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**ANITA FERENZ, ADMINISTRATOR**

**PREPARED BY:**

**CARROLL ENGINEERING CORPORATION  
949 EASTON ROAD  
WARRINGTON, PA 18976**



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**WILLIAM N. MALIN, P.E., SENIOR VICE PRESIDENT**

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**PLANS**

Wastewater Facilities Plan

**APPENDIX A**

Sanitary Sewer Overflow (SSO) Reports to PADEP – Water Management

**SECTION 1**  
**INTRODUCTION**

Pursuant to Pennsylvania Chapter 94 Municipal Wasteload Management regulations and requirements, this Municipal Wasteload Management Annual Report is prepared for West Brandywine Township Municipal Authority (WBTMA).

The West Brandywine Township Municipal Authority service area covers the eastern one-third of West Brandywine Township, generally south of Highspire Road and east of Swinehart Road, south and east to the borders with Caln Township and East Brandywine Township. The service area also includes portions of the Township along Monacy Road. The Authority's system consists of approximately 11 miles of gravity sewers and five sewage pumping stations. Wastewater is conveyed to the City of Coatesville for treatment by the Pennsylvania American Water Company (PAWC). The West Brandywine Township Municipal Authority service area is shown on the Wastewater Facilities Plan.

The West Brandywine Township Municipal Authority service area includes approximately 11 miles of 8", 10" and 12" diameter sewers. There are five pump stations in the WBTMA's service area: Culbertson Run, Beaver Creek, Ashberry, Friendship Village, and Reeceville Road. The Reeceville Road Pump Station conveys all wastewater from the Township across U.S. Route 30 to a separate gravity trunk line in Caln Township and eventually connects to the City of Coatesville sewer system, which PAWC owns. In addition to conveying wastewater from WBTMA to PAWC, the trunk line provides service to the Coatesville Veterans Affairs Medical Center.

## **SECTION 2**

### **HYDRAULIC LOADING**

West Brandywine Township Municipal Authority is allocated 533,100 gallons per day (GPD) in PAWC's treatment plant, of which the Authority owns 396,300 GPD. During 2023, WBTMA conveyed an annual average daily flow of 198,022 GPD to PAWC. Currently, WBTMA is using 49.96% of its allocated capacity.

During June and July 2023, flows were inflated due to an operational issue at the Freedom Village community, which resulted in excess water being discharged to the sewer system from within a building. The increased flows were not related to a defect in the sewer system. Excluding these months, the annual average daily flow for 2023 was 172,043 GPD to PAWC, which equates to 43.41% of the allocated capacity. Flows conveyed from WBTMA to PAWC are summarized in Table No. 1.

In 2023, 42 EDUs from Traditions of America West Brandywine connected to WBTMA's system. Projected flows for 2024 through 2028 are shown in Table No. 2, and on the Wastewater Facilities Plan. The projections are based on the existing average daily flow over the period where monthly meter reading data is readily available: December 31, 2014, through September 2019 and January 1, 2021, through December 31, 2023. Flows are projected to increase by 82,900 GPD in the next 5 years.

### **SECTION 3**

#### **CONDITION OF THE SEWER SYSTEM**

Approximately 90% of WBTMA's sewer system is less than 30 years old and constructed of PVC pipe. The balance of the sewer system is asbestos cement pipe located in Monacy Manor. The sewers in Monacy Manor were installed in the 1970s as part of a capped system. No sewer system repairs were performed in 2023.

As discussed in prior Chapter 94 reports, wastewater flows conveyed to PAWC were approximately 15% higher in 2018 and 2019 compared to longer-term averages. Data analysis showed that this increase resulted from inflow and infiltration (I/I) from the portion of the system that was tributary to the Kimberwick spray irrigation plant. Flows from this area are conveyed to the Culbertson Run pump station and then to PAWC.

Currently, the Authority's average daily flow conveyed to PAWC is well under its allocated capacity. Therefore, the Authority has no short-term plans for identifying and correcting the source of I&I. Meter data from the Culbertson Run Pump Station and water usage data for sewer customers will continue to be reviewed to determine if I&I worsens, and a program for I&I reduction is warranted.

In May of 2023, the Authority was notified of a sinkhole developing at the Authority's manhole in Blackhorse Hille Road. This manhole is the discharge location for the force main from the Reeceville Road pump station. It was determined that the manhole had been corroded by hydrogen sulfide, leading to a failure around the force main penetration. The penetration was repaired. Inspections were conducted of the Authority's manholes downstream of this manhole to the connection to the PAWC system. Some defects were noted in these manholes. The Authority has applied for a grant to repair these defects and

reconfigure the Reeceville Road pump station discharge. If the grant is awarded, the work is expected to commence in 2025.

Between April 22 and June 1, 2023, there were three (3) Sanitary Sewer Overflows (SSOs) within the Authority's system. All three were dry-weather SSOs at the Authority's Culbertson Run Pump Station. They occurred when pumps failed to start due to a failure of the control system. The Authority had already awarded a contract to replace the pump controls, and the equipment had been ordered. Work at the Culbertson Run station was prioritized. There have not been any issues since the controls were replaced. Copies of the SSO reports submitted to DEP are included in Appendix A.

## **SECTION 4**

### **SEWAGE PUMPING STATIONS**

There are five pump stations in the WBTMA service area. Each pump station is equipped with a flow meter on the common pump discharge or force main to meter pumped flows. Pump station flow data is summarized below. Projected 2-year maximum flows are calculated by multiplying flow from projected connections in the next 2 years by a 4.0 peaking factor and adding the peak projected flow to the existing average daily flow for the pump station.

#### 4.1 REECEVILLE ROAD PUMP STATION

The Reeceville Road Pump Station conveys all wastewater from WBTMA to PAWC. The pump station is equipped with four self-priming pumps arranged to operate as two sets of two pumps in series. The pump station operates in lead-lead mode; one set of pumps runs and then alternates after each pumping cycle. Both sets of pumps cannot operate at the same time.

Design Capacity: 2,236,000 GPD

Current Maximum Flow: 318,357 GPD

Projected 2-year Maximum Flow: 335,367 GPD

The average daily flow for July 2023 exceeded the previously reported Current Maximum Flow. However, this was due to the previously discussed issues at Freedom Village and is not representative of the actual system conditions. Since the issue has been addressed and is not expected to recur, the Current Maximum Flow remains unchanged from the prior year. For the same reason, flows for June and July 2023 were excluded when calculating the Projected 2-year Maximum Flow.

#### 4.2. FRIENDSHIP VILLAGE PUMP STATION

The Friendship Village Road Pump Station is equipped with two self-priming pumps. The pump station operates in lead-lag mode; one pump runs with the second pump on standby to handle high flows. The pumps alternate after each pumping cycle.

Design Capacity: 1,198,000 GPD

Current Maximum Flow: 142,293 GPD

Projected 2-year Maximum Flow: 183,799 GPD

The pump station's Water Quality Management permit has been revised to increase the permitted flow for new connections from Traditions of America at Harvest Run. Since the pump capacity is already in excess of the new permitted flow, no modifications to the pump station are required.

#### 4.3. BEAVER CREEK PUMP STATION

The Beaver Creek Pump Station is equipped with four self-priming pumps arranged in two sets of two pumps in series. The pump station operates in lead-lead mode; one set of pumps runs and then alternates after each pumping cycle. Both sets of pumps cannot operate at the same time.

Design Capacity: 793,000 GPD

Current Maximum Flow: 112,590 GPD

Projected 2-year Maximum Flow: 183,799 GPD

The pump station's Water Quality Management permit has been revised to increase the permitted flow for new connections from Traditions of America at Harvest Run. Since the pump capacity is already in excess of the new permitted flow, no modifications to the pump station are required.

#### 4.4. CULBERTSON RUN PUMP STATION

The Culbertson Run Pump Station is equipped with two self-priming pumps. The pump station operates in lead-lag mode; one pump runs with the second pump on standby to handle high flows.

The pumps alternate after each pumping cycle.

Design Capacity: 683,000 GPD

Current Maximum Flow: 112,907 GPD

Projected 2-year Maximum Flow: 111,663 GPD

#### 4.5. ASHBERRY PUMP STATION:

The Ashberry Pump Station is equipped with two grinder pumps. The pump station operates in lead-lag mode; one pump runs with the second pump on standby to handle high flows. The pumps alternate after each pumping cycle.

Design Capacity: 93,600 GPD

Current Maximum Flow: 14,991 GPD

Projected 2-year Maximum Flow: 14,991 GPD

#### 4.6 PUMP STATION OPERATIONS

The Authority uses a Contract Operator to operate and maintain the pump stations, including regular pump maintenance such as changing oil, belts, rotating assemblies, and removing clogs.

The Operator also performs equipment repairs either with their own forces or with repair shops used by the Authority. In addition, the Authority uses separate contractors for control system maintenance, troubleshooting and repairs, wet well cleaning, and generator maintenance.

The pump capacity of each of the four large pump stations is well in excess of the existing and projected flow. The pump stations are equipped with variable frequency drives to adjust pump speed to meet incoming flows. Since actual flows are so low relative to pump capacities, the pumps actually run at a constant speed and at the lowest speed at which the pumps can run. The variable frequency drives only serve to gradually ramp the pump up to speed with the pump starts.

The Authority received a PA Small Water and Sewer Grant to modify the pumps for constant speed operation by replacing the variable frequency drives with reduced voltage (soft) starters and replacing the control panels. This work was completed in 2023.

The Authority received a Local Share Account Grant to replace the generators at four pump stations. The generator replacements were awarded and ordered in 2023. The replacements are scheduled to be completed in the summer of 2024.

In addition to the regular pump station maintenance, the following repairs were made in 2023:

- At Reeceville Road Pump Station:
  - Repaired the electrical connection to Pump #2. This had been causing the pump to fail to start.
  - Repaired the seal around the force main at the discharge manhole
- At Friendship Village Pump Station:
  - Replaced the variable frequency drives with soft starters for constant speed operation
  - Replaced the control system to operate on a pressure transducer with float backups
  - Replaced the impeller on Pump #2

- At Beaver Creek Pump Station:
  - Replaced the variable frequency drives with soft starters for constant speed operation
  - Replaced the control system to operate on a pressure transducer with float backups
  - Replaced the air release valve on Pump #2
  
- At Culbertson Run Pump Station:
  - Replaced the variable frequency drives with soft starters for constant speed operation
  - Replaced the control system to operate on a pressure transducer with float backups
  - Replaced the three-way valve

**SECTION 5**  
**INDUSTRIAL WASTES**

Currently, there are no industrial users in the WBTMA's service area, nor are any planned in the future.

Table No. 1  
West Brandywine Township Municipal Authority  
Summary of Monthly Flow Conveyed to PAWC

Meter Reading Date	Meter Reading Gallons	Total Flow in Reading Period Gallons	Days per Reading Period	Average Daily Flow in Period (GPD)
December 31, 2022	222,369,000			
January 31, 2023	228,010,000	5,641,000	31	181,968
February 28, 2023	232,691,000	4,681,000	28	167,179
March 31, 2023	237,915,000	5,224,000	31	168,516
April 30, 2023	242,692,000	4,777,000	30	159,233
May 31, 2023	248,323,000	5,631,000	31	181,645
June 30, 2023 <sup>1</sup>	257,150,000	8,827,000	30	294,233
July 31, 2023 <sup>1</sup>	268,300,000	11,150,000	31	359,677
August 31, 2023	274,060,000	5,760,000	31	185,806
September 30, 2023	279,252,000	5,192,000	30	173,067
October 31, 2023	284,301,000	5,049,000	31	162,871
November 30, 2023	288,967,000	4,666,000	30	155,533
December 31, 2023	294,647,000	5,680,000	31	183,226
Monthly Average				197,746
Total Annual Gallons				72,278,000
Total Reading Days				365
Annual Average Daily Flow (gallons)				198,022
Annual Average Daily Flow, excluding June and July (gallons)				172,043

Notes:

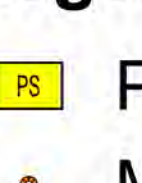
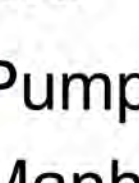
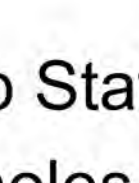
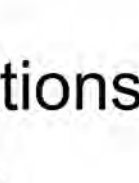


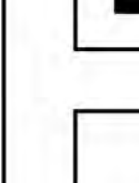
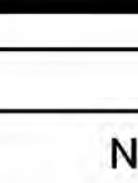

1. Flows in June and July were inflated due to operational issues at Freedom Village community, which resulted in excess water being discharged to the sewer system from within a building. The increased flows were not related to a defect in the sewer system. The issues have been resolved and meter data from the community is being watched for any recurrence.

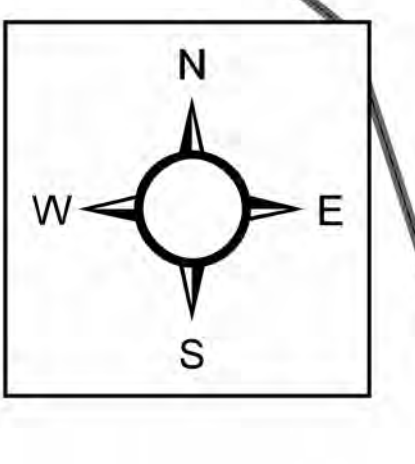
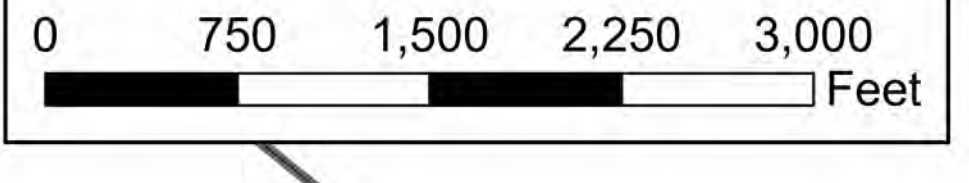
Table No. 2  
 West Brandywine Township Municipal Authority  
 5-year Flow Projections

Project Name	Status	Total Project EDU's	Connected To Date	Projected Connections				
				2024	2025	2026	2027	2028
Existing Unconnected EDU's	Approved	4	2	2				
Janiec/Cobblestone	Preliminary	34	0					
Culbertson Village Commercial	Approved	28	0					
Culbertson Village Residential	Construction	178	0	30	37	37	37	37
Traditions of America	Construction	227	226	1				
Traditions of America at Harvest Run	Construction	183	0	20	55	54	54	
Traditions of America No. 3	Preliminary	258	0					
Projected Annual EDU's				53	92	91	91	37
Projected Annual Flow @225 gallons per EDU (GPD)				11,925	20,700	20,475	20,475	8,325
Projected Cumulative EDU's				53	145	236	327	364
Projected Cumulative flow @225 gallons per EDU (GPD)				11,925	32,625	53,100	73,575	81,900
Existing Average Daily Flow 12-31-14 through 9-30-19 and 1-1-21 through 12-31-23				193,900	193,900	193,900	193,900	193,900
Projected Average Daily Flow (GPD)				205,825	226,525	247,000	267,475	275,800

# **WASTEWATER FACILITIES PLAN**

**Legend**

-  Pump Stations
-  Manholes
-  Force Mains
-  Gravity Mains
-  Roads
-  Existing Service Areas
-  Projected Connections
-  Municipal Boundaries
-  Parcels



Sanitary Sewer Extensions			
Map Identifier	Project Name	Status	EDUs
1	Janiec/Cobblestone	Preliminary	34
2	Cold Creek Crossing (FKA Culbertson Village)	Construction	178
3	Culbertson Village Commercial	Approved	33
4	Traditions of America	Construction	227
5	Traditions of America at Harvest Run	Construction	183
6	Traditions of America #3	Preliminary	258

**WASTEWATER FACILITIES PLAN**

**CHAPTER 94 REPORT**

SITUATED IN:  
**WEST BRANDYWINE TOWNSHIP**  
**CHESTER COUNTY, PENNSYLVANIA**

PREPARED FOR:  
WEST BRANDYWINE TOWNSHIP MUNICIPAL AUTHORITY  
198 LAFAYETTE ROAD  
WEST BRANDYWINE, PENNSYLVANIA 19320

**Carroll Engineering Corporation**

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Hillsborough, NJ 08044  
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Fax: 908-874-5762

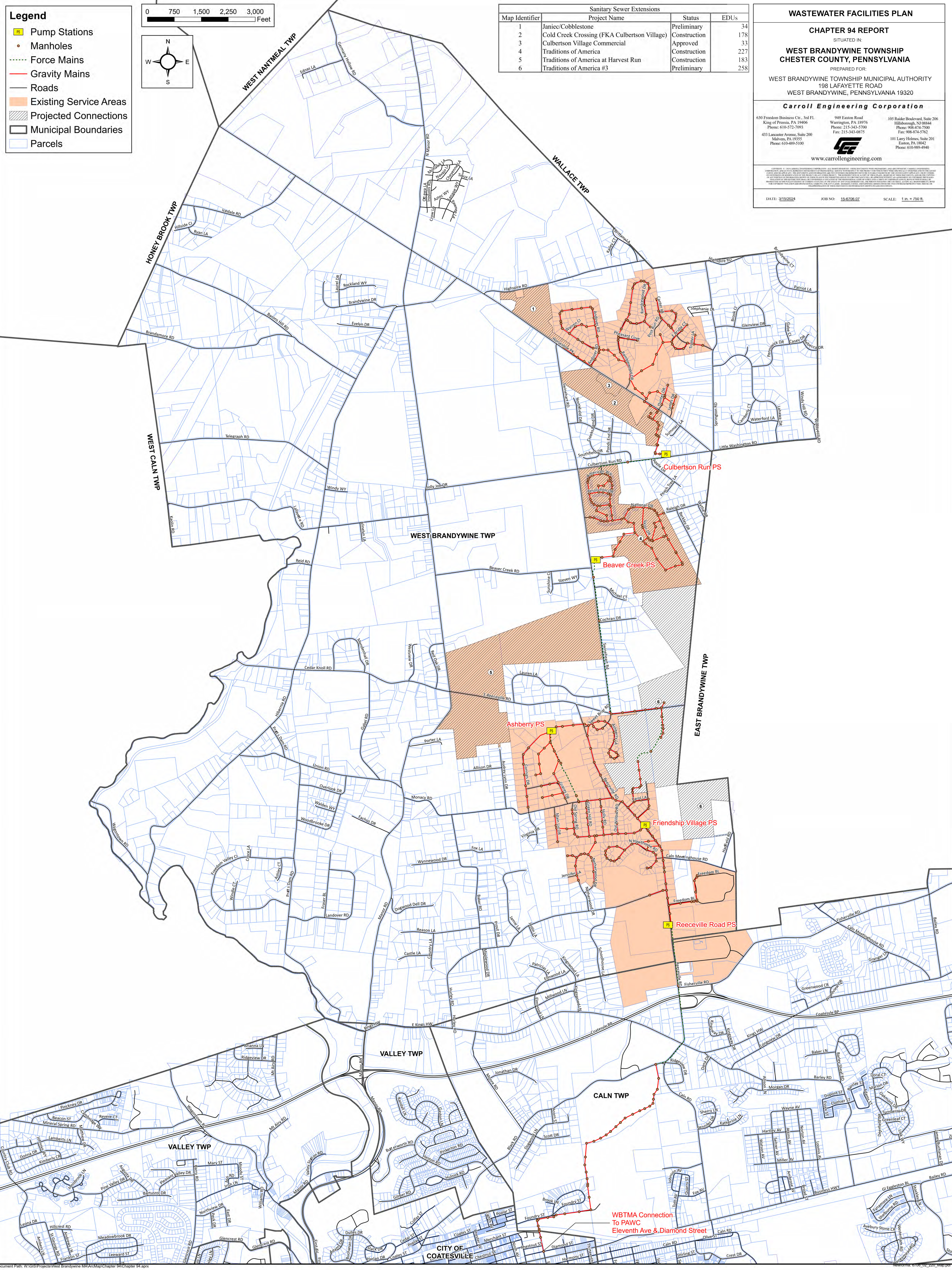
433 Lancaster Avenue, Suite 200  
Malvern, PA 19355  
Phone: 610-489-5100

101 Larry Holmes, Suite 201  
Easton, PA 18042  
Phone: 610-889-4940



www.carrollengineering.com

DATE: 3/15/2024      JOB NO: 15-6706.07      SCALE: 1 in. = 750 ft.



**APPENDIX A**

## Sanitary Sewer Overflow (SSO) Report to PADEP – Water Management DEP fax: 484-250-5971

Please check the appropriate box     Dry Weather Overflow     Wet Weather Overflow

<b>1.</b> Date, Name, Phone # of person completing this report	Date: 4/22/2023 Name: John Dean Phone #: 484-824-2569
<b>2.</b> Your organization name and address:	EEMA O&M Services Group P.O. Box 232 Kulpsville, PA 19443
Sewer system owner and permit number	West Brandywine Municipal Authority
<b>3.</b> Date found and specific location of SSO. Including Municipality/County (if different from #2) ?	Date: 4/22/2023 Location (Street & #): Culbertson Pumping Station
<b>4.</b> How was SSO discovered ? By who?	The SSO was discovered by the next-door neighbor.
<b>5.</b> Start and end time of SSO (actual or estimate?)	Start Date: 4/22/2023 @ approximately 9:30am. End Date: 4/22/2023 @ approximately 11:00am
<b>6.</b> Date, time and name of person who called PADEP originally to notify of SSO ?	Date: 4/22/2023 Time: 10:50am Name: John Dean
<b>7.</b> Description and actual or estimated volume of SSO	The estimated volume of the SSO was approximately 300 – 500 gallons of sewage. The sewage seeped through the cracks in the wet well lid, so no solid debris was present.
<b>8.</b> Where, precisely, did SSO go ? (land, roadway, basement, swale, storm sewer, creek, etc) Please include creek name or street location.	The SSO flowed over the driveway and into the grass on both sides of the driveway. A small amount of sewage may have entered a storm water basin, but no sign of stream or storm basin contamination was observed.
<b>9.</b> What caused SSO? How was it stopped?	The SSO was caused by a lock up of the PLC control panel that controls the pumps. The control panel power was reset and normal operation of the station resumed.
<b>10.</b> Describe extent of contamination and how it was cleaned up	The grassy areas that were affected by the SSO were limed and photos of the SSO were sent to Dave Wolfinger.
<b>11.</b> What actions will be taken to prevent a re-occurrence? When?	The PLC is scheduled to be replaced in the next few weeks.
<b>12.</b> Other comments?	None
<b>13.</b> Downstream notifications made: (all downstream users such as public water suppliers must be notified)	None

## Sanitary Sewer Overflow (SSO) Report to PADEP – Water Management DEP fax: 484-250-5971

Please check the appropriate box  Dry Weather Overflow  Wet Weather Overflow

<b>1.</b> Date, Name, Phone # of person completing this report	Date: 5/22/2023 Name: John Dean Phone #: 484-824-2569
<b>2.</b> Your organization name and address:	EEMA O&M Services Group P.O. Box 232 Kulpsville, PA 19443
Sewer system owner and permit number	West Brandywine Municipal Authority
<b>3.</b> Date found and specific location of SSO. Including Municipality/County (if different from #2) ?	Date: 5/19/2023 Location (Street & #): Culbertson Pumping Station, Culbertson Rd.
<b>4.</b> How was SSO discovered ? By who?	The SSO was discovered by the next-door neighbor and called in to the WBTMA Administrator.
<b>5.</b> Start and end time of SSO (actual or estimate?)	Start Date: 5/19/2023 @ approximately 4:00pm End Date: 5/19/2023 @ approximately 4:50pm
<b>6.</b> Date, time and name of person who called PADEP originally to notify of SSO ?	Date: 5/19/2023 Time: 5:05pm Name: John Dean
<b>7.</b> Description and actual or estimated volume of SSO	The estimated volume of the SSO was approximately between 500 – 1,000 gallons of raw sewage.
<b>8.</b> Where, precisely, did SSO go ? (land, roadway, basement, swale, storm sewer, creek, etc) Please include creek name or street location.	The SSO flowed over the driveway and into the grass on both sides of the driveway. Some of the sewage may have entered a storm water basin at the end of the driveway, but no sign of stream or storm basin contamination was observed.
<b>9.</b> What caused SSO? How was it stopped?	The SSO was caused by a lock up of the PLC control panel that controls the pumps. The control panel power was reset, and normal operation of the station resumed. The PLC did not send out an alarm notification nor did the redundant high-level float.
<b>10.</b> Describe extent of contamination and how it was cleaned up	The grassy areas that were affected by the SSO were limed.
<b>11.</b> What actions will be taken to prevent a re-occurrence? When?	Contractors are currently working to replace the PLC, Soft Starters for the pump motors, and new level detection equipment.
<b>12.</b> Other comments?	
<b>13.</b> Downstream notifications made: (all downstream users such as public water suppliers must be notified)	

**Sanitary Sewer Overflow (SSO) Report to PADEP – Water Management**

**Exhibit F**  
 DEP fax: 484-250-5971

Please check the appropriate box  Dry Weather Overflow  Wet Weather Overflow

1. Date, Name, Phone # of person completing this report	Date: 6/1/2023 Name: John Dean Phone #: 484-824-2569
2. Your organization name and address:	EEMA O&M Services Group P.O. Box 232 Kulpsville, PA 19443
Sewer system owner and permit number	West Brandywine Township Municipal Authority
3. Date found and specific location of SSO. Including Municipality/County (if different from #2) ?	Date: 6/1/2023 Location (Street & #): Culbertson Pumping Station, Culbertson Rd.
4. How was SSO discovered ? By who?	The SSO was discovered by the next-door neighbor and called in to the WBTMA Administrator.
5. Start and end time of SSO (actual or estimate?)	Start Date: 6/1/2023 @ approximately 5:45am End Date: 6/1/2023 @ approximately 6:00am
6. Date, time and name of person who called PADEP originally to notify of SSO ?	Date: 6/1/2023 Time: 10:35am Name: John Dean
7. Description and actual or estimated volume of SSO	The estimated volume of the SSO was approximately between 100 – 200 gallons of raw sewage.
8. Where, precisely, did SSO go ? (land, roadway, basement, swale, storm sewer, creek, etc) Please include creek name or street location.	The SSO flowed over the driveway and into the grass on the right of the driveway. Some of the sewage stayed to the right side of the driveway and ran toward a storm water catch basin. A portion of the sewage entered the basin, but the quantity is unknown.
9. What caused SSO? How was it stopped?	The SSO was caused by a failure of the soft starter for pump #2. The lack of an alarm notification was due to a loose connection in the high-level float. The contractor that came onsite at 6:00am to begin the PLC and controls upgrade was able to pump down the wet well by using Pump #1, running manually.
10. Describe extent of contamination and how it was cleaned up	The contamination was liquid without the presence of solids. There were no solids found on the driveway, grass, or catch basin. The liquid evaporated within an hour of the SSO ending.
11. What actions will be taken to prevent a re-occurrence? When?	As of 6/1/23 at approximately 3:30pm the new control system for the station became operational. This work which spanned two days included: New soft start controllers for each pump, new transducer and floats for primary and backup level control, a new PLC and programming to run the station, and a new HMI for operator control. All alarm channels for the Omnisite autodialer have been rewired and tested. Pump amperage and voltage were tested as well as GPM testing for each pump.
12. Other comments?	
13. Downstream notifications made: (all downstream users such as public water suppliers must be notified)	

**EXHIBIT G**

**PAWC BALANCE SHEET FOR YEAR ENDING DECEMBER 31, 2023**

**Appendix G**

Pennsylvania-American Water Company  
Balance Sheet  
December 31, 2023  
(Dollars in thousands)

	PA American Water December 31, 2023 (Audited)	
	<hr/>	
<b>Assets</b>		
Cash and cash equivalents	\$	2,778
Other current assets		405,814
Total property plant and equipment		6,634,647
Regulatory assets & other L/T Assets		306,252
Total Assets	\$	<hr/> 7,349,491
Capitalization and liabilities		
Short Term Debt	\$	-
Current Portion of Long-term Debt		71,205
Other current liabilities		280,013
Total Long-term Debt		2,277,660
Regulatory & Other Long Term Liabilities		1,261,069
Stockholder's equity		3,223,481
Contributions in aid of construction		236,063
Total Capitalization and liabilities	\$	<hr/> 7,349,491

**EXHIBIT H**

**PAWC INCOME STATEMENT FOR YEAR ENDING DECEMBER 31, 2023**

Pennsylvania-American Water Company  
Income Statement  
for the 12 Months Ended December 31, 2023  
(Dollars in thousands)

	PA American Water 12 Months Ended December 31, 2023 (Audited)
Operating Revenues	\$ 965,232
Operating Expenses	
Operation and Maintenance	286,743
Depreciation and Amortization	195,951
General Taxes and Other	17,297
Total Operating Expenses	<u>499,991</u>
Operating Income	465,241
Other Income/(Expenses)	
Other Income/(Expense), Net	16,136
Interest Expense, Net	(80,976)
Total Other Expenses	<u>(64,840)</u>
Income Before Income Taxes	400,401
Provision for Income Taxes	100,372
Net Income	<u><u>\$ 300,029</u></u>

**EXHIBIT I**

**PAWC WASTEWATER TARIFF**

**PENNSYLVANIA-AMERICAN WATER COMPANYS  
Wastewater Division  
(hereinafter referred to as the “Company”)  
D/B/A  
Pennsylvania American Water**

**RATES, RULES AND REGULATIONS**

**GOVERNING THE FURNISHINGS OF**

**WASTEWATER COLLECTION AND DISPOSAL SERVICE**

**IN CERTAIN MUNICIPALITIES AND TERRITORIES LOCATED IN:**

ADAMS COUNTY, ALLEGHENY COUNTY, BEAVER COUNTY, BERKS COUNTY,  
CHESTER COUNTY, CLARION COUNTY, CUMBERLAND COUNTY, LACKAWANNA  
COUNTY, LUZERNE COUNTY, MCKEAN COUNTY, MONROE COUNTY,  
MONTGOMERY COUNTY, NORTHUMBERLAND COUNTY, PIKE COUNTY,  
WASHINGTON COUNTY AND YORK COUNTY

ALL IN THE COMMONWEALTH OF PENNSYLVANIA

**Issued: July 30, 2024**

**Effective: August 7,  
2024**

Issued by:  
Justin Ladner, President  
Pennsylvania American Water  
852 Wesley Drive  
Mechanicsburg, PA 17055

<https://www.amwater.com/paaw/>

# **NOTICE**

**This tariff proposes increases in rates and changes in rules and regulations of service. (Refer to pages 2, 3, 4, 5, 6, 7, 8, 9, 11.1, 11.2, 11.3, 11.4, 11.5, 11.6, 11.7, 11.8, 11.9, 11.10, 11.11, 12, 12.1, 13, 14, 14.1, 14.2, 14.3, 14.4, 15, 15.1, 16, 17, 18.1, 19, 21, 22, 22.5, 25, 26, 41, 58, 62, 65, 67, 70, 79, 81, 82, 83, 84, and 88.)**

**LIST OF CHANGES****Increases/Decreases**

This tariff provides for uniform rates by customer class for Rate Zone 1(SSS), Rate Zone 1a (Royersford), Rate Zone 1b (York), Rate Zone 1c (Foster), Rate Zone 2 (CSS) and Rate Zone 2a (Scranton) wastewater sales customers.

This tariff provides for an additional tier in the low-income customer discount.

The low income discounts have been increased for Tiers 1 through 3.

The State Tax Adjustment Surcharge will be increased to zero.

The Distribution System Improvement Charge will be reduced to zero.

**Changes**

Pages 8 and 9 – Territories served are updated for changes in Rate Zones.

Page 11.1 – Rate Zone 1 has been changed to Rate Zone 1 – Sanitary Sewer System (“SSS”).

Page 11.3 – Rate Zone 2 (New Cumberland) has been rolled into Rate Zone 1. Rate Zone 9 (Royersford) has been changed to Rate Zone 1a (Royersford).

Page 11.4 – Rate Zone 7 (York) has been changed to Rate Zone 1b (York). Special rates charges are included.

Page 11.5 – Rate Zone 8 (Foster) has been changed to Rate Zone 1c (Foster).

Page 11.6 – Rate Zone 5 (Valley) has been rolled into Rate Zone 1. Page 11.6 has been reserved for future use.

Pages 11.8, 11.9, 11.10 and 11.11 are being held for future use.

Page 12 –Rate Zone 4 (Kane) and Rate Zone 6 (McKeesport) have been combined into Rate Zone 2 (CSS). Misc. Fees and Charges have been moved to page 14.

Page 12.1 – Rate Zone 3 (Scranton) has been changed to Rate Zone 2a CSS (Scranton).

Page 13 is being held for future use.

Pages 14 through 14.4– Miscellaneous Fees and Charges moved from pages 12, 13, 14, 15, and 15.1. Page 14.3 rolls in McKeesport to all other fees. Page 14.4 decreases the sludge discharge fee per gallon from 12% to 10%.

Pages 15 and 15.1 are being held for future use

Page 16 – Low income discounts have been increased and modified to add additional Tier.

Pages 19 is being held for future use.

Pages 21 and 22.5 – Definition of Combined Sewer and Sanitary Sewer to reflect acronyms.

Page 22 – Definition of Equivalent Dwelling Units has been changed.

Page 25 – Modify Section C – Applications for Service.

Page 26 – Modify rules and regulations regarding applications for service.

Page 41 – Modify rules and regulations for Main Extensions for Bona Fide Service Applicants.

Page 58 – Modify rules and regulations for General Sewer Use Requirements.

Pages 62, 67, and 70 – Corrections to headings and subpart lettering and numbers.

Page 65 – Modify Section T - Wastewater Control and Industrial Pretreatment Regulations Rule 2.13 Grease Traps.

**LIST OF CHANGES**

**Changes cont'd**

Page 67 – Modify Section T - Wastewater Control and Industrial Pretreatment Regulations Rule 3.7 Additional Pretreatment Measures.

Page 79 – Modify Section T - Wastewater Control and Industrial Pretreatment Regulations Rule 6.8 Notice of Violation/Repeat Sampling and Reporting.

Page 81 – Modify Section T - Wastewater Control and Industrial Pretreatment Regulations Rule 6.13 Certification Statements.

Page 82 – Modify Section T - Wastewater Control and Industrial Pretreatment Regulations Rule 7 General Fees and Charges.

Pages 83 and 84 - Modify Section T- Wastewater Control and Industrial Pretreatment Regulations Rule 7.2 Specific Fees.

Page 88 - Modify Section U - Industrial Pretreatment Program – Pollutant Removal Costs Section 1 Coatesville District BOD5 Removal Cost.

# EXHIBIT I

## PENNSYLVANIA-AMERICAN WATER COMPANY

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(C) means Change, (I) means Increase and (D) means Decrease

# EXHIBIT I

**PENNSYLVANIA-AMERICAN WATER COMPANY**

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(C) means Change and (D) means Decrease

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(C) means Change

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(C) means Change and (I) means Increase

**TERRITORIES SERVED**

**(By State Region and Company Wastewater System District)  
(All territories are subject to Rate Zone 1 unless otherwise noted)**

**Central Pennsylvania**

**Fairview District**

York County. Portions of Fairview and Newberry Townships.

**Foster District – Rate Zone 1c**

Luzerne County. Portions of Foster Township (and related points of bulk service interconnection).

**(C)**

**Franklin District**

Adams County. Portions of the Townships of Franklin, Hamiltonban and Highland.

**McEwensville District**

Northumberland County. McEwensville Borough.

**New Cumberland District [language deleted]**

Cumberland County. The Borough of New Cumberland.

**(C)**

**Turbotville District**

Northumberland County. Portions of The Borough of Turbotville.

**York District – Rate Zone 1b**

York County. The City of York and portions of West Manchester Township; and related points of bulk service interconnection. Portions of Manchester Township, West Manchester Township, and Spring Garden Township, limited to the administration of the Industrial Pretreatment Program.

**(C)**

**Northeastern Pennsylvania**

**Northeast District – Lehman Pike, Blue Mountain Lakes, Clean Treatment, and Delaware**

Monroe County. Portions of the Townships of Middle Smithfield, Smithfield and Stroud.

Pike County. Portions of Delaware and Lehman Townships.

**Pocono District**

Monroe County. A portion of Coolbaugh Township.

**Scranton Sewer District – Rate Zone 2a**

Lackawanna County. The City of Scranton and the Borough of Dunmore.

**(C)**

**(C) means Change**

**TERRITORIES SERVED (CONT'D)****(By State Region and Company Wastewater System District)  
(All territories are subject to Rate Zone 1 unless otherwise noted)****Southeastern Pennsylvania****Coatesville District**

Chester County. The City of Coatesville, the Borough of Parkesburg and portions of the Borough of South Coatesville and portions of the Townships of Caln, East Fallowfield, Highland, Sadsbury, Valley **[language deleted]**,  
**(C)**  
West Caln and West Sadsbury.

**Exeter Sewer District**

Berks County. Portions of the Townships of Exeter, Alsace and Lower Alsace (and related points of bulk service interconnection).

**Royersford District – Rate Zone 1a**

Montgomery County. Royersford Borough and portions of Upper Providence Township.

**(C)****Upper Pottsgrove District**

Montgomery County. Portions of Upper Pottsgrove Township.  
Berks County. A portion of Douglass Township.

**Western Pennsylvania****Clarion District**

Clarion County. Clarion Borough and portions of the Townships of Clarion and Monroe.

**Claysville District**

Washington County. Claysville Borough and portions of the Townships of Donegal.

**Kane District – Rate Zone 2**

McKean County. Kane Borough and portions of Wetmore Township.

**(C)****Koppel District**

Beaver County. Koppel Borough.

**McKeesport District – Rate Zone 2**

Allegheny County. The City of McKeesport, the City of Duquesne, Port Vue Borough, the Borough of Dravosburg, and a portion of West Mifflin Borough (and related points of bulk service interconnection).

**(C)****Paint-Elk District**

Clarion County. Shipperville Borough and portions of the Townships of Elk and Paint.

**(C) means Change**

# EXHIBIT I

Supplement No. 2 to  
Tariff Wastewater PA P.U.C. No. 16  
First Revised Page 10  
Canceling Original Page 10

**PENNSYLVANIA-AMERICAN WATER COMPANY**

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**THIS PAGE RESERVED FOR FUTURE USE**

# EXHIBIT I

Supplement No. 52 to  
Tariff Wastewater PA P.U.C. No. 16  
Ninth Revised Page 11.1

**PENNSYLVANIA-AMERICAN WATER COMPANY**

Canceling Seventh and Eighth Revised Page 11.1

## SCHEDULE OF RATES

### RATE ZONE 1 – SANITARY SEWER SYSTEM (“SSS”) METERED AND UNMETERED

(C)

#### APPLICABILITY

The rates under this schedule apply throughout the territories served under this tariff, unless otherwise noted on the territories served page, for service rendered on and after the Effective Date shown at the bottom of this page.

#### AVAILABILITY

The rates under this schedule are available to customers in the Residential, Commercial, Municipal and Industrial classes.

#### METERED CHARGES (Based on Water Usage or Sewage Flows, determined at PAWC’s discretion)

All metered customers shall be subject to a monthly service per equivalent dwelling unit (EDU).

A. Residential

Service Charge per month: \$15.00 (I)

Usage Charge per 100 gallons: \$2.9539 (I)

B. Commercial

Service Charge per month: \$36.70 (I)

Usage Charge per 100 gallons: \$2.1986 (I)

C. Industrial

Service Charge per month: \$36.70 (I)

Usage Charge per 100 gallons: \$2.1986 (I)

D. Municipal

Service Charge per month: \$36.70 (I)

Usage Charge per 100 gallons: \$2.1986 (I)

E. Special Rate Charges

Bulk Metered Usage – Caln Twp., V.A. Hospital and West Brandywine Twp.

Service Charge per month: \$456.50 (I)

Usage Charge per 100 gallons: \$1.4900 (I)

Cleveland-Cliffs Plate and Victory Brewing Company

Service Charge per month: \$456.50

Usage Charge per 100 gallons: \$1.4800 (I)

Borough of Saint Lawrence

Service Charge per month: \$456.50 (I)/ (C)

Usage Charge per 100 gallons: \$0.4120 (I)

Township of Alsace – The bulk metered charge will be based on PUC approved rates for the direct customers of the Exeter sewer district shown above.

(I) means Increase and (C) means Change

# EXHIBIT I

Supplement No. 52 to  
Tariff Wastewater PA P.U.C. No. 16  
Eighth Revised Page 11.2

**PENNSYLVANIA-AMERICAN WATER COMPANY**

Canceling Sixth and Seventh Revised Page 11.2

## SCHEDULE OF RATES

### RATE ZONE 1 – SANITARY SEWER SYSTEM (“SSS”) METERED AND UNMETERED (C)

#### METERED CHARGES (cont'd)

Metered rates are available to customers in the Upper Pottsgrove Sewer service territory, served under this tariff in Rate Zone 1, that request metered rates and are 1) metered commercial, industrial, or multiple EDU in a single structure, 2) have an existing EDU allocation and 3) currently discharge to the collection system.

#### Special rate for Upper Pottsgrove customers who elect the metered option: (C)

[language deleted] (C)

Service charge per month, per EDU:	\$36.70	(D)(C)
Usage Charge per 100 gallons:	\$2.1986	(I)(C)

#### Special Rate for Rainbow Washhouse, Inc.

Service charge per month	\$75.00	(I)
Usage Charge per 100 gallons:	\$0.2226	(I)

#### UNMETERED CHARGES -This charge is a flat rate fee for customers not metered for water consumption.

A. Flat rate per month, per EDU:		(C)
Residential	\$110.00	(I)
Commercial	\$150.00	(I)/(C)

#### B. Special Rate Charges

Knouse Foods, flat rate per month:	\$8,683.00	(I)
Strattanville Borough, flat rate per month:	\$6,426.00	(I)
Penn State Special Metals, flat rate per month:	\$2,988.00	(I)
PSC Metals, flat rate per month:	\$1,156.00	(I)
Ipsco Koppel Tubilers, flat rate per month:	\$17,948.00	(I)

(I) means Increase, (C) means Change, and (D) means Decrease

# EXHIBIT I

Supplement No. 52 to  
Tariff Wastewater PA P.U.C. No. 16  
Seventh Revised Page 11.3

**PENNSYLVANIA-AMERICAN WATER COMPANY**

Canceling Fifth and Sixth Revised Page 11.3

## SCHEDULE OF RATES

### RATE ZONE 1a – METERED AND UNMETERED

#### APPLICABILITY

The rates as set forth below will apply in the Royersford service territory (former territory served by the Borough of Royersford) served under this tariff for service rendered on and after the Effective Date shown at the bottom of this page.

#### AVAILABILITY

The rates under this schedule are available to customers in all classes.

#### METERED CHARGES (Based on Water Usage or Sewage Flows, determined at PAWC's discretion)

All metered customers shall be subject to a minimum charge per meter.

##### Residential

Service Charge per month:	\$15.00	(D)	(C)
Usage Charge per 100 gallons	\$1.4150	(I)	

##### Non-Residential

Service Charge per month:	\$36.70	(D)	(C)
Usage Charge per 100 gallons	\$0.7500	(I)	

Special Provision for Public Laundromats: metered flow shall be calculated on the basis of 75% of the volume of water usage.

#### UNMETERED CHARGES

This charge is a flat rate fee for customers not metered for water consumption.

##### Residential

Flat Rate per Month, per EDU:	\$75.00	(I)
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##### Non-Residential

Flat Rate per Month, per EDU:	\$113.00	(I)
-------------------------------	----------	-----

Special Provision for Aqua Pennsylvania Wastewater customers in Limerick Township: the metered and unmetered rates above apply for "each user" in Limerick Township.

(I) means Increase, (C) means Change, and (D) means Decrease

# EXHIBIT I

## PENNSYLVANIA-AMERICAN WATER COMPANY

### SCHEDULE OF RATES

#### RATE ZONE 1b – METERED

#### APPLICABILITY

The rates as set forth below will apply in the York service territory (former territory served by the York City Sewer Authority) served under this tariff for service rendered on and after the Effective Date shown at the bottom of this page.

#### AVAILABILITY

The rates under this schedule are available to customers in all classes.

#### METERED CHARGES (Based on Water Usage or Sewage Flows, determined at PAWC's discretion, except as described below for industrial wastes.)

		<b>Effective 5/27/2022</b>	<b>Effective 5/27/2025</b>	
A. <u>Residential</u>				
Minimum Charge per month		\$18.00	\$15.00	<b>(D)</b>
Usage Charge per 100 gallons	0-2,000 gallons per month	\$0.00	\$0.7500	<b>(I)</b>
Usage Charge per 100 gallons	All over 2,000 gallons/month	\$0.9370	\$2.9539	<b>(I)</b>
B. <u>Commercial/Municipal</u>				
Minimum Charge per month		\$18.00	\$36.70	<b>(I)</b>
Usage Charge per 100 gallons	0-2,000 gallons per month	\$0.00	\$0.4000	<b>(I)</b>
Usage Charge per 100 gallons	All over 2,000 gallons/month	\$0.9370	\$2.1986	<b>(I)</b>
C. <u>Industrial</u>				
Usage Charge per 100 gallons		\$0.9370	\$2.1986	<b>(I)</b>

Whenever a customer with metered water usage who discharges industrial waste to the sewer system also discharges uncontaminated water to either a separate storm sewer or other outlet, an allowance for the amount of water so discharged shall be made in computing the sewer charges; provided that the customer so discharging uncontaminated water shall at their own expense install a meter or meters, as required, to indicate accurately to the satisfaction of the Company the amount of water claimed as a credit.

#### D. Special Rate Charges **(C)**

The following bulk wastewater customers in Rate Zone 1b are subject to the rates set forth in their respective contracts with the Company:

**Manchester Borough**

**North York Borough**

**Spring Garden Township**

**Springettsbury Township**

**West Manchester Township**

**West York Borough/The York Water Company**

**York Township**

(I) means Increase, (D) means Decrease and (C) means Change

# EXHIBIT I

Supplement No. 52 to  
Tariff Wastewater PA P.U.C. No. 16  
Sixth Revised Page 11.5  
Canceling Fourth and Fifth Revised Page 11.5

**PENNSYLVANIA-AMERICAN WATER COMPANY**

## SCHEDULE OF RATES

### RATE ZONE 1c – UNMETERED

(C)

#### APPLICABILITY

The rates as set forth below will apply in the Foster Township Sewer service territory served under this tariff for service rendered on and after the Effective Date shown at the bottom of this page.

#### AVAILABILITY

The rates under this schedule are available to customers in all rate classes.

#### UNMETERED CHARGES

This charge is a flat fee for customers not metered for water consumption.

**A Flat Rate** per month shall be billed to each unmetered customer as follows:

	<u>Effective Through 12/31/2024</u>	<u>Effective 1/01/2025</u>	
<b>Residential:</b>	\$85.00 per EDU	\$110.00 per EDU	(I)(C)
<b>Non-Residential:</b>	\$85.00 per EDU	\$150.00 per EDU	(I)(C)

**Special conveyance-only rate for Butler Township: \$40 per EDU per month** (I)

(I) means Increase and (C) means Change

**EXHIBIT J**

**ANNUAL REVENUES AND EXPENSES REQUESTED SERVICE TERRITORY**

**Estimated Annual Revenue and Expense  
in Application Territory  
Wastewater**

Line No.		1 Residential Customer	Total
1	<b>Annual Revenue</b>		
2	Meter Size	5/8"	
3	Average Monthly Usage (100 Gallons)	32.12	
4	Monthly Service Charge	\$14.30	
5	Usage Charge per 100 Gallons	\$2.8750	
6	Usage Charge	\$92.35	
7	Monthly Total Revenue	\$106.65	
8	Annual Residential Revenue per Customer (Ln. 7 x 12 months)	\$1,279.80	
9	Annual Fire Revenue per Hydrant (Ln. 7 x 12 months)		
10	Annual Commercial Revenue per Customer (Ln. 7 x 12 months)		
11	Estimated Annual Residential Revenue (1 customer)	\$1,279.80	\$1,279.80
12			
13	<b>Total Estimated Annual Revenues</b>		<b>\$1,279.80</b>
14			
15	<b>Estimated Annual Expenses</b>		
16			
17	Estimated Annual Expenses (1 customer)	\$270.81	\$270.81
18			
19	Total Estimated Expenses Per Year		<b>\$270.81</b>
20			
21	<b>Net Income (Ln. 13 - Ln. 19)</b>		<b>\$1,008.99</b>

**Exhibit J**

**EXHIBIT K**

**LETTER FROM WEST CALN TOWNSHIP APPROVING PUBLIC  
WASTEWATER HOOKUP**



West Caln Township  
PO Box 175  
Wagontown, PA 19376  
610.384.5643

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November 28, 2022

Mr. James Kelly, Senior Supervisor  
Pennsylvania American Water  
100 Cheshire Court, Suite 104  
Coatesville, PA 19320

RE: 101 Woodland Drive  
UPI#28-5-95.17

Dear Mr. Kelly:

We are in receipt of a request from the property owner of the above referenced property to allow for connection to the public sewer system with PA American Water.

This property consists of approximately 0.93 acre of land and is improved with a single-family dwelling. It is our understanding that the current on-site septic system has failed inspection and the land does not lend itself to have a replacement on-site system installed. Therefore, West Caln Township has no objection to the property at 101 Woodland Drive connecting to public sewer.

Should you have any questions, please do not hesitate to contact the office.

Sincerely,

A handwritten signature in blue ink, appearing to read "Kim Milane-Sauro". The signature is stylized and cursive.

Kim Milane-Sauro  
Assistant Township Manager



April 18, 2023

**VIA OVERNIGHT MAIL**

West Caln Township Planning Commission  
 721 West Kings Highway  
 PO Box 175  
 Wagontown, PA 19376

Re: Pennsylvania -American Water Company Application to Provide Wastewater service an additional portion of West Caln Township – 101 Woodland Drive

To Whom it May Concern:

Pennsylvania-American Water Company (Pennsylvania American Water) is submitting an application with the Pennsylvania Public Utility Commission (PUC) to approve the right to offer, render, furnish or supply wastewater service to the public in an additional portion of West Caln Township, Chester County, Pennsylvania.

As part of the application process, the PUC requested Pennsylvania American Water seek the Township's input for the purpose of determining if Pennsylvania American Water's application complies with the Township's land use planning.

Specifically, the PUC requests that the Township reviews the following questions:

1. Are there adopted municipal comprehensive plans for the townships/boroughs involved? Yes
2. Is there an adopted county comprehensive plan? Yes
3. Is there an adopted multi-municipal or multi-county comprehensive plan? No
4. Is there an adopted county or municipal zoning ordinance or joint municipal zoning ordinance? Yes
5. Is the proposed project consistent with these comprehensive plans and/or zoning ordinances? Yes
6. If the answer is "yes" to any of the above questions, please sign below, or submit a letter, indicating that the application is consistent with the applicable comprehensive plans and zoning ordinances. If the application is not consistent with the applicable comprehensive plans and zoning ordinances, please provide an explanation.

If you have any questions, please call me at 717-550-1595. Please feel free to email this form back to [jana.hurst@amwater.com](mailto:jana.hurst@amwater.com) or mail back to: Jana Hurst, 852 Wesley Drive, Mechanicsburg, PA 17055.

Sincerely,

  
 Jana Hurst, Paralegal

\_\_\_\_\_  
 Pennsylvania American Water's application is consistent with the applicable comprehensive plans and zoning ordinances.

West Caln Township Signature William Romans  
 Printed Name/Title William Romans Accounting Comm. Chair Date 4-20-2023



**EXHIBIT L**

**LETTERS TO CHESTER COUNTY PLANNING COMMISSION**

**(MAP REMOVED DUE TO CONFIDENTIALITY)**



April 18, 2023

VIA OVERNIGHT MAIL

Chester County Planning Commission  
601 Westtown Road, Suite 270  
PO Box 2747  
West Chester, PA 19380-0990

Re: Pennsylvania -American Water Company Application to Provide Wastewater Service an Additional Portion of West Caln Township, Chester County – 101 Woodland Drive

Ladies and Gentleman:

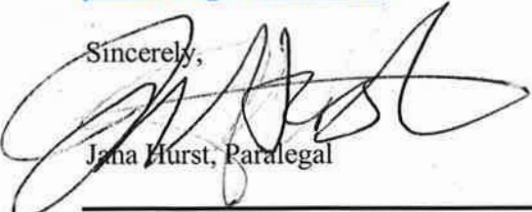
Pennsylvania-American Water Company (Pennsylvania American Water) is submitting an application with the Pennsylvania Public Utility Commission (PUC) to approve the right to offer, render, furnish or supply water service to the public in an additional portion of West Caln Township, Chester County, Pennsylvania.

As part of the application process, the PUC requested Pennsylvania American Water seek the County’s input for the purpose of determining if Pennsylvania American Water’s application complies with the County’s land use planning.

Specifically, the PUC requests that the County reviews the following questions:

1. Are there adopted municipal comprehensive plans for the townships/boroughs involved? \_\_\_\_\_
2. Is there an adopted county comprehensive plan? \_\_\_\_\_
3. Is there an adopted multi-municipal or multi-county comprehensive plan? \_\_\_\_\_
4. Is there an adopted county or municipal zoning ordinance or joint municipal zoning ordinance? \_\_\_\_\_
5. Is the proposed project consistent with these comprehensive plans and/or zoning ordinances? \_\_\_\_\_
6. If the answer is “yes” to any of the above questions, please sign below, or submit a letter, indicating that the application is consistent with the applicable comprehensive plans and zoning ordinances. If the application is not consistent with the applicable comprehensive plans and zoning ordinances, please provide an explanation.

If you have any questions, please call me at 717-550-1595. Please feel free to email this form back to [jana.hurst@amwater.com](mailto:jana.hurst@amwater.com) or mail back to: Jana Hurst, 852 Wesley Drive, Mechanicsburg, PA 17055.

Sincerely,  
  
Jana Hurst, Paralegal

\_\_\_\_\_  
Pennsylvania American Water’s application is consistent with the applicable comprehensive plans and zoning ordinances.  
Chester County Signature \_\_\_\_\_  
Printed Name/Title \_\_\_\_\_ Date \_\_\_\_\_



October 11, 2023

VIA OVERNIGHT MAIL

Chester County Planning Commission  
601 Westtown Road, Suite 270  
PO Box 2747  
West Chester, PA 19380-0990

Re: Pennsylvania -American Water Company Application to Provide Wastewater Service an  
Additional Portion of West Caln Township, Chester County – 101 Woodland Drive

Ladies and Gentleman:

Pennsylvania-American Water Company (Pennsylvania American Water) is submitting an application with the Pennsylvania Public Utility Commission (PUC) to approve the right to offer, render, furnish or supply water service to the public in an additional portion of West Caln Township, Chester County, Pennsylvania.

As part of the application process, the PUC requested Pennsylvania American Water seek the County’s input for the purpose of determining if Pennsylvania American Water’s application complies with the County’s land use planning.

Specifically, the PUC requests that the County reviews the following questions:

1. Are there adopted municipal comprehensive plans for the townships/boroughs involved? \_\_\_\_\_
2. Is there an adopted county comprehensive plan? \_\_\_\_\_
3. Is there an adopted multi-municipal or multi-county comprehensive plan? \_\_\_\_\_
4. Is there an adopted county or municipal zoning ordinance or joint municipal zoning ordinance? \_\_\_\_\_
5. Is the proposed project consistent with these comprehensive plans and/or zoning ordinances? \_\_\_\_\_
6. If the answer is “yes” to any of the above questions, please sign below, or submit a letter, indicating that the application is consistent with the applicable comprehensive plans and zoning ordinances. If the application is not consistent with the applicable comprehensive plans and zoning ordinances, please provide an explanation.

If you have any questions, please call me at 717-550-1595. Please feel free to email this form back to [jana.hurst@amwater.com](mailto:jana.hurst@amwater.com) or mail back to: Jana Hurst, 852 Wesley Drive, Mechanicsburg, PA 17055.

Sincerely,

Jana Hurst, Paralegal

\_\_\_\_\_  
Pennsylvania American Water’s application is consistent with the applicable comprehensive plans and zoning ordinances.

Chester County Signature \_\_\_\_\_

Printed Name/Title \_\_\_\_\_ Date \_\_\_\_\_

**EXHIBIT M**

**LETTER FROM DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
**REGARDING SEWAGE PLANNING MODULE**



**SENT VIA ELECTRONIC MAIL ONLY**

December 16, 2022

Mr. Lou Katsis  
101 Woodland Drive  
Coatesville, PA 19320

Re: Act 537, Sewage Facilities Planning  
101 Woodland Drive Project  
DEP Code No. 1-15961-756-X  
West Caln Township  
Chester County

Dear Mr. Katsis:

This letter is in reference to your application for Sewage Facilities Planning Modules for the connection of an existing dwelling to the sanitary sewer system. The project is located at 101 Woodland Drive, in West Caln Township, Chester County.

This project does not meet the definition of a subdivision under the Pennsylvania Sewage Facilities Act. Therefore, no planning modules are required to be submitted to the Department of Environmental Protection (DEP).

This response is only a determination of planning requirements under the Pennsylvania Sewage Facilities Act concerning the above-referenced project. We recommend that the applicant contact the municipality in which the project is located and the permittees of the collection, conveyance, and treatment facilities that will serve the project for any additional local requirements applicable to this project.

If you have any questions or concerns, please contact me at 484.250.5182.

Sincerely,

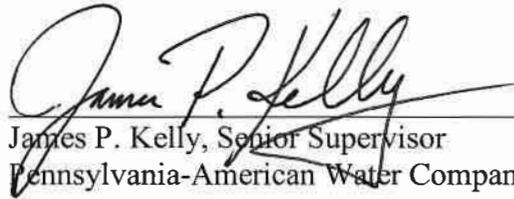
A handwritten signature in blue ink that reads "Kelly A. Sweeney". The signature is written in a cursive, flowing style.

Kelly A. Sweeney  
Sewage Planning Specialist 2  
Clean Water

cc: Chester County Planning Commission (via email)  
Chester County Health Department (via email)  
Chester County Conservation District (via email)  
West Caln Township (via email)  
Pennsylvania American Water Company (via email)  
Planning Section  
Re 30

**VERIFICATION**

I, JAMES P. KELLY, hereby state that the facts above set forth in the attached Application 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.

  
James P. Kelly, Senior Supervisor  
Pennsylvania-American Water Company

Date: December 6, 2024