



PENNSYLVANIA
AMERICAN WATER

Brian Ardire

Director, Corporate Counsel

Pennsylvania-American Water Company

800 West Hersheypark Drive, Hershey, PA 17033

P: 717.531.3362 F: 717.531.3399 C: 717.454.7606

brian.ardire@amwater.com

November 19, 2018

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

In Re: Application of Pennsylvania-American Water Company for approval of the right to offer, render, furnish or supply wastewater service in an additional portion of Elk Township, Clarion 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.

Very truly yours,

Brian A. Ardire

Enclosures

cc: Office of Consumer Advocate
Office of Small Business Advocate
Department of Environmental Protection
Bureau of Investigation and Enforcement

COMMONWEALTH OF PENNSYLVANIA

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 in an additional portion of Elk Township, Clarion County, Pennsylvania.

CERTIFICATE OF SERVICE

I hereby certify that I am this day serving the above-referenced Application to Extend Service Territory 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).

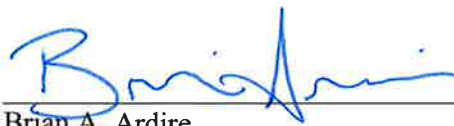
Service by first class mail addressed as follows on November 19, 2018:

Office of Consumer Advocate
555 Walnut Street
5th Floor, Forum Place
Harrisburg, PA 17101-1923

Office of Small Business Advocate
Suite 1102, Commerce Building
300 North Second Street
Harrisburg, PA 17101

Bureau of Investigation and Enforcement
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor, F West
Harrisburg, PA 17120

Department of Environmental
Protection
230 Chestnut Street
Meadville, PA 16335-3181



Brian A. Ardire
Attorney ID No. 209386
General Counsel for Pennsylvania-American
Water Company
800 West Hersheypark Drive
Hershey, PA 17033
717-533-3362

Date: 11/19/18

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 Elk Township, Clarion 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 Elk Township, Clarion County, Pennsylvania.

2. This Application is being filed to extend wastewater service to the public in the proposed service territory in a portion of Elk Township, Clarion 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:

Brian A. Ardire, 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 September 30, 2018, Pennsylvania American provided water service to approximately 659,939 customers in the following classifications:

Residential:	607,368
Commercial:	45,345
Industrial:	522
Municipal, Resale and Other:	2,415
Fire Protection:	4,289

In addition, Pennsylvania American furnishes wastewater service to approximately 65,224 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 Elk Township, Clarion 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 approximately 22 residential and 4 commercial customers. Pennsylvania American is certificated to serve portions of Elk Township, Clarion County under Docket Nos. A-2013-2395998 and A-2014-2441953. This project includes approximately 2,312 feet of existing 8” HDPE sewer which was installed to decommission the Shippenville wastewater plant and pump Shippenville’s wastewater to Pennsylvania American’s Paint/Elk facilities. The main was installed in 2016/2017.

8. The Paint-Elk treatment plant capacity is .600 mgd and 2017 average system delivery was .300 mgd.

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

10. The facilities within this applied for service territory to serve the property is currently connected to the existing 8 inch sewer main located on Route 322 between Elk Township and Paint Township, Clarion County. It is anticipated that the connections to the sewer main will be completed as soon as possible after PUC approval of this application. Wastewater service is currently provided by on-lot septic systems. 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. Water service for the applied for service territory is provided by Pennsylvania American. Elk Township does not have a mandatory tap in ordinance.

11. The closest wastewater system to the applied for service territory is Knox Borough Water and Sewer.

12. 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

13. There is attached hereto, as Exhibit C, a balance sheet of Pennsylvania American as of December 31, 2017.

14. There is attached hereto, as Exhibit D, a statement of income and retained earnings of Pennsylvania American for the 12 months ended December 31, 2017.

15. 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 E, and may be changed from time to time.

16. 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.

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

IV. PUBLIC INTEREST

18. 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 Elk Township supporting this application is attached as Exhibit G. A letter of request for service by one of the property owner's is attached as Exhibit H. A letter from the Clarion County

Commissioners supporting this application is attached as Exhibit I. A letter from the Department of Environmental Protection approving the Planning Module Component is attached as Exhibit J as well as a copy of the Planning Module. Exhibit K are copies of letters that were sent by Pennsylvania American to Elk Township Planning Commission and Clarion County Planning Commission to verify that this application does not violate its comprehensive plans. Elk Township has an Act 537 Plan approved by DEP in January 2018.

19. No easements will be required to provide wastewater service to the requested service territory.

20. To Pennsylvania American's knowledge at this time, it does not anticipate any other future customer connections to the proposed main extension within the next 10 years.

21. There will be no cost associated with this project because the wastewater main is already installed.

22. Pennsylvania American believes that this transaction will mitigate the level of investment per customer by adding more customers to share in future infrastructure costs as well as expand its customer base over which existing costs are recovered and thereby stabilize per-customer costs.


23. 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

24. 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 Elk Township, Clarion 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: 
Brian A. Ardire Attorney ID No. 209386
Counsel for
Pennsylvania-American Water Company
800 West Hersheypark Drive
Hershey, PA 17033
717-533-3362

Dated: 11/19/2018

VERIFICATION

I, JASON M. GENTILE, hereby state that the facts set forth in the Application to extend wastewater service to an additional portion of Elk Township, Clarion 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).



Jason M. Gentile, Senior Operations
Manager
Pennsylvania-American Water Company

Date: _____

11/12/18

Exhibit A

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,

Exhibit A

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 Arca 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-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); 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) and The Municipal Authority of the City of McKeesport

(Allegheny County, December 18, 2017). 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 659,466 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, South Park and Upper St. Clair in Allegheny County;

All, or portions of, the Boroughs of Applegold 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;

All, or portions of, the Boroughs of Camp Hill, Lemoyne, New Cumberland, Shiremanstown 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 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, 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 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, 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; 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 65,048 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 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 Townships of Coolbaugh, Middle Smithfield, Smithfield and Stroud in Monroe County;

All of the Borough of McEwensville 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

A portion of the Township of Fairview in York County.

[404 municipalities in 36 counties.]

07/01/2018

Exhibit B-1

Exhibit B-2

Starting Point: Beginning at the intersection of Route 322 and Maple Dr, Elk Twp, follow the centerline of Route 322 in a northwesterly direction approximately 512 feet.

From	To	Bearing	Distance(Ft)
1	2	S2°04'20"W	278.680343
2	3	N54°28'49"W	403.504326
3	4	S0°50'49"E	332.261451
4	5	N88°52'26"W	395.423282
5	6	N0°56'21"E	499.725581
6	7	N86°51'15"W	693.222701
7	8	N88°57'55"W	611.137824
8	9	N2°38'46"E	803.879421
9	10	N80°15'49"E	154.734581
10	11	S88°41'41"E	527.748053
11	12	S87°56'11"E	99.680303
12	13	S80°03'49"E	223.20776
13	14	S67°18'13"E	664.121691
14	15	S59°09'15"E	334.88886
15	16	S52°02'16"E	773.75095
16	17	S36°39'57"W	236.692039
17	18	N56°04'10"W	454.957766
18	1	S2°04'20"W	115.525114

Exhibit C

**PA American Water
Balance Sheet
December 31, 2017
(Dollars in thousands)**

	PA American Water 12 Months Ended December 31, 2017 (Audited)
Assets	
Cash and cash equivalents	\$ 3,583
Other current assets	\$ 103,700
Total property plant and equipment	\$ 4,332,012
Regulatory assets & other L/T Assets	\$ 188,472
Total Assets	\$ 4,617,767
Capitalization and liabilities	
Short Term Debt	\$ 321,689
Current Portion of Long-term Debt	\$ 117,443
Other current liabilities	\$ 152,835
Total Long-term Debt	\$ 1,256,993
Regulatory & other Long Term Liabilities	\$ 970,813
Stockholder's equity	\$ 1,604,607
Contributions in aid of construction	\$ 193,387
Total Capitalization and liabilities	\$ 4,617,767

Exhibit D

PA American Water
Income Statement for the 12 Months Ended December 31, 2017
(Dollars in thousands)

	PA American Water	
	12 Months Ended	
	December 31, 2017	
	(Audited)	
	<hr/>	
Operating revenues	\$	661,088
Operating expenses		
Operation and maintenance	\$	195,123
Depreciation and amortization	\$	114,843
General taxes and other	\$	5,093
Total Operating Expenses	\$	315,059
		<hr/>
Operating income	\$	346,029
		<hr/>
Other income/(expenses)		
Other income, net	\$	(630)
Interest expense, net	\$	(71,254)
Total Other Expenses	\$	(71,884)
		<hr/>
Income before income taxes	\$	274,145
		<hr/>
Provision for income taxes	\$	113,441
		<hr/>
Net income	\$	160,704
		<hr/>

Exhibit E

PENNSYLVANIA-AMERICAN WATER COMPANY

SCHEDULE OF RATES

RATE ZONE 1 – METERED AND UNMETERED

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. <u>Residential</u> ***		
Service Charge per month:	\$10.00	(I)
Usage Charge per 100 gallons	\$1.5132	(I)
B. <u>Commercial</u>		
Service Charge per month:	\$25.00	(I)
Usage Charge per 100 gallons	\$1.1601	(I)
C. <u>Industrial</u>		
Service Charge per month:	\$25.00	(I)
Usage Charge per 100 gallons:	\$1.1601	(I)
D. <u>Municipal</u>		
Service Charge per month:	\$25.00	(I)
Usage Charge per 100 gallons:	\$1.1601	(I)
E. <u>Special Rate Charges</u>		
Bulk Metered Usage – Caln Twp., Sadsbury Twp., Valley Twp., V.A. Hospital and West Brandywine Twp.		
Service Charge per month	\$250.00	
Usage Charge per 100 gallons	\$0.9639	(I)
Mittal Steel and Victory Brewing Company		
Service Charge per month:	\$250.00	
Usage Charge per 100 gallons:	\$0.9300	(I)

(I) means Increase

Exhibit F

Estimated Annual Revenue and Expense

in Application Territory

Wastewater

Estimated Annual Revenue

22 Residential Customers @ \$59.94 per month (\$719.28)	\$15,824.16
4 Commercial Customers @ \$61.96 per month (\$743.52)	<u>\$ 2,974.08</u>
Total	<u>\$18,798.24</u>

Estimated Annual Expenses

22 Residential Customers @ \$128.75 (annually)	\$2,832.50
4 Commercial Customers @ \$133.09 (annually)	<u>\$ 532.36</u>
Total	<u>\$3,364.86</u>
Net	<u>\$15,433.38</u>

Residential

Meter Size	5/8"
Average Monthly Usage (00)	36.3
Mo. Service Charge	\$10.00
36.3 x 1.5132	\$54.93
Negative TCJA Surcharge (-7.68%)	(\$4.99)
Monthly Total Revenue	\$59.94
Annual Total Revenue	\$719.28

Commercial

Meter Size	5/8"
Average Monthly Usage (00)	36.3
Mo. Service Charge	\$25.00
36.3 x 1.1601	\$42.11
Negative TCJA Surcharge (-7.68%)	(\$5.15)
Monthly Total Revenue	\$61.96
Annual Total Revenue	\$743.52

EXHIBIT F

Exhibit G



Elk Township
Municipal Building
1395 Fulton Road
Shippenville, Pennsylvania 16254

Ray Rennard, Supervisor
Greg Clark, Supervisor
Brian Miller, Supervisor

Frances M. Taylor, Secretary
Office (814) 782-3775
FAX (814) 782-3995
E-mail: elktownship@atlanticbbn.net

August 8, 2018

Michelle Cavallo
Pennsylvania American Water
Production Supervisor-Wastewater
279 CAA Lane
Clarion, PA 16214

TO WHOM IT MAY CONCERN:

Elk Township supports the franchise territory application to the Public Utility Commission filed by Pennsylvania American Water. The application includes approx. 2,312' of existing 8" HDPE sewer main on Rt. 322 in Elk Township. This area would give the ability for 22 residential and 4 commercial customers to receive wastewater service.

Sincerely,

ELK TOWNSHIP BOARD OF SUPERVISORS

Frances Taylor
Sec.

Exhibit H

August 7, 2018

PA American Water
S. 5th Ave.
Clarion, PA 16214

To Whom It May Concern:

As current Elk Township residents, we are inquiring about connecting to the existing sewer main on SR #322 in Elk Township, Clarion County. We've been interested in this for years.

Please contact us with any information regarding this matter.

Sincerely,

Todd J. Beichner
Susan D. Beichner

8799 Route 322
Shippenville, PA 16254
H: 814-782-3966
C: 814-221-1607

Exhibit I



OFFICE OF THE
Commissioners

330 Main Street, 2nd Floor
CLARION, PA 16214

(814) 226-4000, Ext. 3004, Fax (814) 297-7806, Web Site: www.co.clarion.pa.us

Theodore W. Tharan
Commissioner

Wayne R. Brosius
Commissioner

C. Edward Heasley
Commissioner

Carol A. Clinger
Chief Clerk

Commonwealth of PA
Pennsylvania Public Utility Commission
P.O. Bo 3265
Harrisburg, PA 17105-3265

To whom it may concern,

Clarion County supports the franchise territory application to the Public Utility Commission filed by Pennsylvania American Water.

The application includes approx. 2,312' of existing 8" HDPE sewer main on Rt. 322 in Elk Twp.

This area would give the ability for 22 residential and 4 commercial customers to receive wastewater service.

If you have any questions please do not hesitate to contact us.

Sincerely,
Clarion County Commissioners

Theodore W. Tharan, Chairman

Wayne R. Brosius

C. Edward Heasley

Exhibit J



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

January 2, 2018

Frances Taylor, Secretary
Elk Township
1395 Fulton Road
Shippenville, PA 16254

Re: Approval Letter - Revision
Planning Module Component 3 – Sewage Collection and Treatment Facilities
Town Hill Service Area, Pennsylvania American Water
DEP Code NO. K6-17-010;
APS ID No. 954533, Auth ID No. 1205665
Elk Township, Clarion County

Dear Ms. Taylor:

The Department of Environmental Protection (DEP) has reviewed the proposed Official Plan revision consisting of 32 EDUs/connections to an existing force main to serve the Town Hill Service Area, identified as a needs area (Study Area 4) in the draft 2012 Elk Township 537 Plan. The project consists of lands on both sides of US Route 322 immediately east of Shippenville Borough. Connection will be through privately owned individual grinder pumps for each property. The area is primarily residential with limited commercial use. There will be no new land development with this project.

The plan revision is approved.

The project will be connected to the Pennsylvania American Water collection system and will generate a net 7,776 gallons of sewage per day (gpd) to be treated at the Paint-Elk Water Pollution Control Facility.

If there are streams or wetlands within your proposed development, you are hereby notified that an encroachment permit under Title 25, Chapter 105 of the Rules and Regulations of DEP must be obtained from DEP prior to any construction that will encroach on streams or wetlands.

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.

Frances Taylor

- 2 -

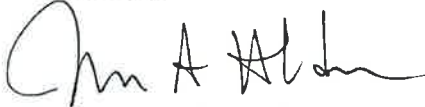
January 2, 2018

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 or concerns, please contact Michelle Solida at 814.797.0891, and refer to DEP Code No. K6-17-010, Application No. 954533 and Authorization No. 1205665.

Sincerely,



John A. Holden, P.E.
Environmental Program Manager
Clean Water Program

cc: **Jed Fiscus**, P.E., Pennsylvania American Water
Stan Corbett, AECOM
Kristi Ditz, Clarion County Planning Commission
KDO File: Michelle Solida/Elk Township Clarion County/Planning/Comp 3/3s
NWRO File: Cynthia Selby/Elk Township Clarion County/Planning/Comp 3/3s

JAH:MKZ:CAS

Component 3 Sewage Facilities Planning Module

Pennsylvania American Water Paint – Elk Wastewater System

Town Hill Service Area

Elk Township
Clarion County, Pennsylvania

DEP Code No. K6-17-010

Date: September 2017

AECOM

Sabre Building, Suite 300
4051 Ogletown Road
Newark, DE 19713

302.781.5900 tel
302.781.5901 fax

TABLE OF CONTENTS

- Transmittal Letter and DEP Mailer Response with Checklist
- Resolution of Adoption
- Component 3 Planning Module Completeness Checklist
- Component 3 Planning Module Form
- Project Narrative
- Alternatives Analysis
- Chapter 94 Consistency Narrative
- Chapter 94 Reports
- PNDI Correspondence
- Component 4B – County Planning Agency Review
- Figure 1. Project Plot Plan
- Figure 2. USGS Map

**TRANSMITTAL LETTER AND
DEP MAILER RESPONSE WITH CHECKLIST**



**TRANSMITTAL LETTER
FOR SEWAGE FACILITIES PLANNING MODULE**

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH. ID #

TO: Approving Agency (DEP or delegated local agency) Date _____
 Michelle L. Solida
 DEP Knox District Office
 White Memorial Building, PO Box 669
 Knox, PA 16232

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by AECOM (Name)
 _____ for the Town Hill Service Area (Name)
 _____ (Title)
 a proposed Act 537 public sewer service area located in Elk Township

Clarion _____ County.
(City, Borough, Township)

Check one

- (i) The planning module, as prepared and submitted by the applicant, is approved by the municipality as a proposed revision supplement for new land development to its Official Sewage Facilities Plan (Official Plan), and is adopted for submission to DEP transmitted to the delegated LA for approval in accordance with the requirements of 25 Pa. Code Chapter 71 and the Pennsylvania Sewage Facilities Act (35 P.S. §750),

OR

- (ii) The planning module will not be approved by the municipality as a proposed revision or supplement for new land development to its Official Plan because the project described therein is unacceptable for the reason(s) checked below:

Check Boxes

- Additional studies are being performed by or on behalf of this municipality which may have an effect on the planning module as prepared and submitted by the applicant. Attached hereto is the scope of services to be performed and the time schedule for completion of said studies.
- The planning module as submitted by the applicant fails to meet limitations imposed by other laws or ordinances, officially adopted comprehensive plans and/or environmental plans (e.g., zoning, land use, 25 Pa. Code Chapter 71). Specific reference or applicable segments of such laws or plans are attached hereto.
- Other (attach additional sheet giving specifics).

Municipal Secretary: Indicate below by checking appropriate boxes which components are being transmitted to the approving agency.

- | | | |
|--|--|--|
| <input checked="" type="checkbox"/> Resolution of Adoption | <input checked="" type="checkbox"/> 3 Sewage Collection/Treatment Facilities | <input type="checkbox"/> 4A Municipal Planning Agency Review |
| <input checked="" type="checkbox"/> Module Completeness Checklist | <input type="checkbox"/> 3s Small Flow Treatment Facilities | <input checked="" type="checkbox"/> 4B County Planning Agency Review |
| <input type="checkbox"/> 2 Individual and Community Onlot Disposal of Sewage | | <input type="checkbox"/> 4C County or Joint Health Department Review |

Municipal Secretary (print)

Signature

Date

Mr. Jed Fiscus, PE
 Pennsylvania American Water Company
 425 Waterworks Road
 Clarion, PA 16214

Re: Checklist Letter – Planning Module - Component 3 – Sewage Collection and Treatment Facilities
 Act 537 Planning
 Town Hill Service Area - Elk Township
 DEP CODE NO. K6-17-010
 Elk Township, Clarion County

Dear Mr. Fiscus:

In response to your application mailer, and as you have indicated that you are the authorized agent for the Town Hill project, this checklist letter is provided. The checklist outlines what is required to be submitted to the municipality and the Department of Environmental Protection (Department) as a complete module packet for the proposed development. Please download the appropriate forms from the Internet by placing the indicated form numbers from this checklist letter in the “Search” box at www.elibrary.dep.state.us. Please submit the completed planning modules and supporting information to the municipality in which the project is located. The Department must receive two (2) copies. At least one copy must contain original signatures and seals. Please answer all questions within the planning module. Do not simply answer “N/A” or “Not Applicable”. If you feel a question does not apply, explain all reasons to support that answer.

A copy of this letter should be attached to the planning module when submitted through the municipality to Department. This letter is to be used by the applicant (or the applicant’s authorized representative) as a checklist and guide to completing the planning modules and does not supersede the rules and regulations found in Chapter 71. The municipality must submit a complete module package. (See end of letter for applicant and municipal certification statements.)

Applicant Checklist (√ or N/A)	Materials Required to be Included in the Planning Package	DEP Completeness Review
DEP Checklist Letter		
√	DEP checklist letter is attached with items checked off by the applicant (or applicant’s authorized representative) as included	
√	DEP checklist letter certification statement completed and signed	
Transmittal Letter (Form 3800-FM-BCW0355)		
√	Transmittal Letter is attached, completed and the appropriate boxes in Section (i) are checked.	
√	Transmittal Letter is signed by the municipal secretary	
Resolution of Adoption (Form 3800-FM-BCW0356)		
√	Resolution of Adoption is attached and completed	
√	Resolution of Adoption is signed by the municipal secretary	
√	Resolution of Adoption has a visible municipal seal	
Component 4A - Municipal Planning Agency Review (Form 3800-FM-BCW0362A)		

N/A	Component 4A is attached, completed and signed	
N/A	Municipal Responses to Component 4A comments are included	
Component 4B – County Planning Agency Review (Form 3800-FM-BCW0362B)		
√	Component 4B is attached, completed and signed	
√	Municipal Responses to Component 4B comments are included	
Component 4C – County or Joint Health Department Review (Form 3800-FM-BCW0362C)		
N/A	Component 4C is attached, completed and signed	N/A <i>MLS</i>
N/A	Municipal Responses to Component 4C comments are included	N/A <i>MLS</i>
Component 3 Sewage Facilities Planning Module (Form 3800-FM-BPNPSM0353)		
<i>Section A: Project Information</i>		
√	Section A.1. The Project Name is completed	
√	Section A.2. The Brief Project Description is completed	
<i>Section B: Client Information</i>		
√	Client Information is completed	
<i>Section C: Site Information</i>		
√	Site Information is completed	
√	A copy of the 7.5 minute USGS Topographic map is attached with the development site outlined, as required by the instructions and the checklist	
<i>Section D: Project Consultant Information</i>		
√	Project Consultant Information is completed	
<i>Section E: Availability of Drinking Water Supply</i>		
√	The appropriate box is checked in Section E	
N/A	For existing public water supplies, the name of the company is provided	
N/A	For public water supplies, the certification letter from the public water company is attached	
<i>Section F: Project Narrative</i>		
√	The Project Narrative is attached	
√	All information required in the module directions has been addressed	
<i>Section G: Proposed Wastewater Disposal Facilities</i>		
√	Section G.1.a. The collection system boxes are checked	
√	The Pennsylvania Clean Streams Law (CSL) permit number is provided for existing systems	
√	Section G.1.b. The questions on the collection system are completed	
√	Section G.2.a. The appropriate treatment facility box is checked	
√	For existing treatment facilities, the name is provided	
√	For existing treatment facilities, the NPDES permit number is provided	
√	For existing treatment facilities, the CSL permit number is provided	
N/A	For new treatment facilities, the discharge location is provided	
√	Section G.2.b. The certification statement has been completed	

	and signed by the wastewater treatment facility permittee or their representative	
√	Section G.3. The plot plan is attached and contains all items in the module instructions under Section G.3	
√	The plot plan will show the proposed sewer facilities, sewer extension and/or point of connection to the existing sewer line or point of discharge	
N/A	Copies of easement(s) or right-of-way(s) are attached	
√	Section G.4. The boxes are checked regarding Wetland Protection	
√	Section G.5. The boxes are checked regarding Primary Agricultural Land	
√	Section G.6. The boxes are checked confirming consistency with the Historic Preservation Act	
N/A	The Cultural Resources Notice (CRN) (Form 0120-PM-PY0003) is attached	
N/A	A return receipt for its submission to the PHMC is attached	
N/A	The PHMC review letter is attached	
√	Section G.7. The boxes are checked regarding Pennsylvania Natural Diversity Inventory (PNDI)	
√	Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt is attached	
√	PNDI Review Receipt, if no potential impacts identified, is not older than 2 years	
√	All supporting resolution documentation from jurisdictional agencies (when necessary) is attached and not older than 2 years	
N/A	A completed PNDI Large Project Form (PNDI Form) (Form 8100-FM-FR0161) is attached with all supplemental materials and DEP is requested to complete the search.	
<i>Section H: Alternative Sewage Facilities Analysis</i>		
√	The Alternative Sewage Facilities Analysis is attached	
√	All information required in the module directions has been addressed	
<i>Section I: Compliance with Water Quality Standards and Effluent Limitations</i>		
N/A	The box is checked regarding Waters Designated for Special Protection	
N/A	The Social or Economic Justification is attached	
N/A	The box is checked regarding Pennsylvania Waters Designated as Impaired	
N/A	The box is checked regarding Interstate and International Waters	
N/A	The box is checked regarding Tributaries to the Chesapeake Bay and the required information is provided	
N/A	The Name of Permittee Agency, Authority, Municipality and the Initials of Responsible Agent are provided	
N/A	If discharge to an intermittent stream, dry swale or manmade	

	ditch is proposed, provide evidence that a certified letter has been sent to each owner of property over which the discharge will flow until perennial conditions are met	
<i>Section J: Chapter 94 Consistency Determination</i>		
√	A map showing the path of the sewage to the treatment facility and the location of the discharge is provided	
√	Section J.1. The Project Flows are provided	
√	Section J.2. The permitted, existing, and projected average and peak flows are provided in the table for collection, conveyance and treatment facilities	
√	Section J.3.a. The appropriate box is checked indicating capacity in the Collection and Conveyance Facilities	
√	Section J.3.b. The Collection System information is completed, signed and dated	
√	Section J.3.b. The Conveyance System information is completed, signed and dated	
√	Section J.4.a. The appropriate box is checked regarding projected overloads at the Treatment Facility	
√	Section J.4.b. The Treatment Facility information is completed, signed and dated	
√	The Permittee of the wastewater treatment facility has submitted a Chapter 94 Wasteload Management Report, which includes the information for the collection and conveyance system to serve this project	
N/A	An acceptable Wasteload Management Report Corrective Action Plan (CAP) and schedule has been submitted, as well as a connection management plan	
N/A	A letter from the permittee, which grants allocations to the project consistent with the CAP, and a copy of the connection management plan has been submitted	
N/A	A letter indicating the treatment plant is an interim regional treatment facility is attached	
<i>Section K: Treatment and Disposal Options</i>		
N/A	For proposed treatment facilities, the appropriate box is checked indicating the selected Treatment and Disposal Option	
<i>Section L: Permeability Testing</i>		
N/A	The Permeability Testing information is attached	
<i>Section M: Preliminary Hydrogeologic Study</i>		
N/A	The Preliminary Hydrogeologic Study is attached	
N/A	The Preliminary Hydrogeologic Study is signed and sealed by a Professional Geologist	
<i>Section N: Detailed Hydrogeologic Study</i>		
N/A	The Detailed Hydrogeologic Study is attached	
N/A	The Detailed Hydrogeologic Study is signed and sealed by a Professional Geologist	
<i>Section O: Sewage Management</i>		

√	Section O.1. The box is checked indicating municipal or private facilities	
√	If municipal, the remainder of Section O is not applicable	
N/A	If private, the required analysis and evaluation of sewage management options is attached	
N/A	Section O.2. The appropriate box is checked regarding the use of nutrient credits or offsets	
N/A	Section O.3. The Project Flows for the private facilities are provided	
N/A	Section O.4.a. The appropriate box is checked indicating capacity in the existing private Collection and Conveyance Facilities	
N/A	Section O.4.b. The private Collection System information is completed, signed and dated	
N/A	Section O.4.c. The private Conveyance System information is completed, signed and dated	
N/A	Section O.5.a. The appropriate box is checked regarding projected overloads at the private Treatment Facility	
N/A	Section O.5.b. The private Treatment Facility information is completed, signed and dated	
N/A	Section O.6. The box is checked indicating the municipality will assure proper operation and maintenance of the proposed private facilities	
N/A	The required documentation of sewage management is attached	
<i>Section P: Public Notification Requirement</i>		
√	All Public Notification boxes in this section are checked	
N/A	The public notice is attached, if public notification is necessary	
N/A	All comments received as a result of the notice are attached	
N/A	The municipal responses to these comments are attached	
N/A	The box is checked indicating that no comments were received, if valid	
<i>Section Q: False Swearing Statements</i>		
√	The planning module preparer's false swearing statement is completed and signed	
<i>Section R: Planning Module Review Fee</i>		
N/A	The correct fee has been calculated	
N/A	The correct fee has been paid	
N/A	The request for fee exemption has been checked	
N/A	The deed reference information is provided to support the fee exemption	
<i>Completeness Checklist</i>		
√	The module completeness checklist is included	
√	All completeness items have been checked as included by the municipality, as appropriate	
√	The Municipal Official has signed and dated the checklist	

In all cases, address the immediate and long range sewage disposal needs of the proposal and comply with 25 Pa. Code, Chapter 71, Subchapter C relating to New Land Development Plan Revisions.

If you have any questions concerning the information required, please contact me 814.797.0891.

Sincerely,

Michelle L. Solida

Michelle L. Solida
Sewage Planning Specialist 2
Clean Water Program

cc: Elk Township

CERTIFICATION STATEMENT

I certify that this submittal is complete and includes all requested items. I understand that failure to submit a complete module package may result in a denial of the application.

Printed Name: STAN CORBETT

Signed: *Stan Corbett*
Applicant (or Applicant's authorized representative)

Date: 9/6/17

Printed Name: _____

Signed: _____
Municipal Secretary, Elk Township, Clarion County

Date: _____

RESOLUTION OF ADOPTION



RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF THE SUPERVISORS (~~COMMISSIONERS~~) (~~COUNCILMEN~~) of Elk
TOWNSHIP (~~BOROUGH~~) (~~CITY~~), Clarion COUNTY, PENNSYLVANIA (hereinafter "the municipality").

WHEREAS Section 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the *Pennsylvania Sewage Facilities Act*, as Amended, and the rules and Regulations of the Pennsylvania Department of Environmental Protection (DEP) adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, require the municipality to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters of the Commonwealth and/or environmental health hazards from sewage wastes, and to revise said plan whenever it is necessary to determine whether a proposed method of sewage disposal for a new land development conforms to a comprehensive program of pollution control and water quality management, and

WHEREAS Pennsylvania American Water has proposed an Act 537 public sewer service area identified as
land developer

Town Hill Service Area, and described in the attached Sewage Facilities Planning Module, and
name of subdivision

proposes that such area be served by: (check all that apply), sewer tap-ins, sewer extension, new treatment facility, individual onlot systems, community onlot systems, spray irrigation, retaining tanks, other, (please specify). individual grinder pump units

WHEREAS, Elk Township municipality finds that the project described in the attached

Sewage Facilities Planning Module conforms to applicable sewage related zoning and other sewage related municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

NOW, THEREFORE, BE IT RESOLVED that the Supervisors (~~Commissioners~~) (~~Councilmen~~) of the Township (~~Borough~~) (~~City~~) of Elk hereby adopt and submit to DEP for its approval as a revision to the "Official Sewage Facilities Plan" of the municipality the above referenced Sewage Facilities Planning Module which is attached hereto.

I _____, Secretary,
(Signature)

Township Board of Supervisors (~~Borough Council~~) (~~City Councilmen~~), hereby certify that the foregoing is a true copy of the Township (~~Borough~~) (~~City~~) Resolution # _____, adopted, _____, 20_____.

Municipal Address:

Elk Township
1395 Fulton Road
Shippenville, PA 16254
Telephone (814) 782-3775

Seal of
Governing Body

**COMPONENT 3 PLANNING MODULE COMPLETENESS
CHECKLIST**

Checklist



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

Completeness Checklist

The individual completing the component should use the checklist below to assure that all items are included in the module package. The municipality should confirm that the required items have been included within 10 days of receipt, and if complete, sign and date the checklist.

Sewage Collection and Treatment Facilities

- Name and Address of land development project.
- U.S.G.S. 7.5 minute topographic map with development area plotted.
- Project Narrative.
- Letter from water company (if applicable). N/A
- Alternative Analysis Narrative.
- Details of chosen financial assurance method. N/A
- Proof of Public Notification (if applicable).
- Name of existing collection and conveyance facilities.
- Name and NPDES number of existing treatment facility to serve proposed development.
- Plot plan of project with required information.
- Total sewage flows to facilities table.
- Signature of existing collection and/or conveyance Chapter 94 report preparer.
- Signature of existing treatment facility Chapter 94 report preparer.
- Letter granting allocation to project (if applicable). N/A
- Signature acknowledging False Swearing Statement.
- Completed Component 4 (Planning Agency Review) for each existing planning agency and health department.
- Information on selected treatment and disposal option.
- Permeability information (if applicable). N/A
- Preliminary hydrogeology (if applicable). N/A
- Detailed hydrogeology (if applicable). N/A

Municipal Action

- Component 3 (Sewage Collection and Treatment Facilities).
- Component 4 (Planning Agency Comments and Responses).
- Proof of Public Notification.
- Long-term operation and maintenance option selection. N/A
- Comments, and responses to comments generated by public notification. N/A
- Transmittal Letter

Signature of Municipal Official

Date submittal determined complete

COMPONENT 3 PLANNING MODULE FORM



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

DEP USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #

This planning module component is used to fulfill the planning requirements of Act 537 for the following types of projects: (1) a subdivision to be served by sewage collection, conveyance or treatment facilities, (2) a tap-in to an existing collection system with flows on a lot of 2 EDU's or more, or (3) the construction of, or modification to, wastewater collection, conveyance or treatment facilities that will require DEP to issue or modify a Clean Streams Law permit. Planning for any project that will require DEP to issue or modify a permit cannot be processed by a delegated agency. Delegated agencies must send their projects to DEP for final planning approval.

This component, along with any other documents specified in the cover letter, must be completed and submitted to the municipality with jurisdiction over the project site for review and approval. All required documentation must be attached for the Sewage Facilities Planning Module to be complete. Refer to the instructions for help in completing this component.

REVIEW FEES: Amendments to the Sewage Facilities Act established fees to be paid by the developer for review of planning modules for land development. These fees may vary depending on the approving agency for the project (DEP or delegated local agency). Please see section R and the instructions for more information on these fees.

NOTE: All projects must complete Sections A through I, and Sections O through R. Complete Sections J, K, L, M and/or N if applicable or marked .

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name Town Hill Service Area

2. Brief Project Description Inclusion of the Town Hill Service Area in the Act 537 service area for the Paint-Elk Wastewater Treatment Plant.

B. CLIENT (MUNICIPALITY) INFORMATION (See Section B of instructions)

Municipality Name	County	City	Boro	Twp
Elk Township	Clarion	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Taylor	Frances	M		Secretary/Treasurer
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
1395 Fulton Road				
Address Last Line -- City	State	ZIP+4		
Shipperville	PA	16254		
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
(814) 782-3775	(814) 782-3995	elktownship@atlanticbbn.net		

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Town Hill Service Area

Site Location Line 1

US Route 322

Site Location Line 2

Site Location Last Line -- City

Shipperville

State

PA

ZIP+4

16254

Latitude

41.249978

Longitude

-79.454969

Detailed Written Directions to Site From Meadville, head east on US Route 322 approximately 50 miles to Shipperville Borough. Continue through Shipperville Borough, project area consists of lands on both sides of US Route 322 immediately east of the Borough boundary.

Description of Site Existing residential and commercial uses presently served by on-lot sewage systems.

Site Contact (Developer/Owner)

Last Name

Fiscus

First Name

Jed

MI

A

Suffix

P.E.

Phone

814-226-9083

Ext.

4302

Site Contact Title

Engineering Project Manager

Site Contact Firm (if none, leave blank)

Pennsylvania American Water

FAX

814-226-4275

Email

jed.fiscus@amwater.com

Mailing Address Line 1

425 Waterworks Road

Mailing Address Line 2

Mailing Address Last Line -- City

Clarion

State

PA

ZIP+4

16214

D. PROJECT CONSULTANT INFORMATION (See Section D of instructions)

Last Name

Corbett

First Name

Stan

MI

Suffix

Title

Senior Planner

Consulting Firm Name

AECOM

Mailing Address Line 1

Sabre Building

Mailing Address Line 2

4051 Ogletown Road, Suite 300

Address Last Line -- City

Newark

State

DE

ZIP+4

19713

Country

USA

Email

stan.corbett@aecom.com

Area Code + Phone

302-781-5886

Ext.

Area Code + FAX

302-781-5901

E. AVAILABILITY OF DRINKING WATER SUPPLY

The project will be provided with drinking water from the following source: (Check appropriate box)

- Individual wells or cisterns.
- A proposed public water supply.
- An existing public water supply.

If existing public water supply is to be used, provide the name of the water company and attach documentation from the water company stating that it will serve the project. **Note: No new land development proposed and no water company documentation addressing project water service is applicable. Existing uses in the project area utilize a public water supply owned by Pennsylvania American Water.**

Name of water company: Pennsylvania American Water

F. PROJECT NARRATIVE (See Section F of instructions)

- A narrative has been prepared as described in Section F of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section F of the instructions.

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (See Section G of instructions)

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter 93 (relating to wastewater treatment requirements).

1. COLLECTION SYSTEM

a. Check appropriate box concerning collection system

- New collection system Pump Station Force Main
 Grinder pump(s) Extension to existing collection system Expansion of existing facility

Clean Streams Law Permit Number WQM Permit No. 1616402

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 32

Connections 32

Name of:

existing collection or conveyance system Paint-Elk Sewage Conveyance System

owner Pennsylvania American Water

existing interceptor _____

owner Pennsylvania American Water

2. WASTEWATER TREATMENT FACILITY

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter(s) 91 (relating to general provisions), 92 (relating to national Pollution Discharge Elimination System permitting, monitoring and compliance) and 93 (relating to water quality standards).

a. Check appropriate box and provide requested information concerning the treatment facility

- New facility Existing facility Upgrade of existing facility Expansion of existing facility

Name of existing facility Paint-Elk Wastewater Treatment Plant

NPDES Permit Number for existing facility PA0034924

Clean Streams Law Permit Number WQM Permit No. 1690402

Location of discharge point for a new facility. Latitude _____ Longitude _____

b. The following certification statement must be completed and signed by the wastewater treatment facility permittee or their representative.

As an authorized representative of the permittee, I confirm that the Paint-Elk Wastewater Treatment Plant (Name from above) sewage treatment facilities can accept sewage flows from this project without adversely affecting the facility's ability to achieve all applicable technology and water quality based effluent limits (see Section I) and conditions contained in the NPDES permit identified above.

Name of Permittee Agency, Authority, Municipality Pennsylvania American Water

Name of Responsible Agent David Kaufman, P.E.

Agent Signature  Date 7/25/17

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

The following information is to be submitted on a plot plan of the proposed subdivision.

- a. Existing and proposed buildings.
- b. Lot lines and lot sizes.
- c. Adjacent lots.
- d. Remainder of tract.
- e. Existing and proposed sewerage facilities. Plot location of discharge point, land application field, spray field, COLDS, or LVCOLDS if a new facility is proposed.
- f. Show tap-in or extension to the point of connection to existing collection system (if applicable).
- g. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.)
- h. Existing and proposed rights-of-way.
- i. Existing and proposed buildings, streets, roadways, access roads, etc.
- j. Any designated recreational or open space area.
- k. Wetlands - from National Wetland Inventory Mapping and USGS Hydric Soils Mapping.
- l. Flood plains or Flood prone areas, floodways, (Federal Flood Insurance Mapping)
- m. Prime Agricultural Land.
- n. Any other facilities (pipelines, power lines, etc.)
- o. Orientation to north.
- p. Locations of all site testing activities (soil profile test pits, slope measurements, permeability test sites, background sampling, etc. (if applicable).
- q. Soils types and boundaries when a land based system is proposed.
- r. Topographic lines with elevations when a land based system is proposed

4. WETLAND PROTECTION

YES NO

- a. Are there wetlands in the project area? If yes, ensure these areas appear on the plot plan as shown in the mapping or through on-site delineation.
- b. Are there any construction activities (encroachments, or obstructions) proposed in, along, or through the wetlands? If yes, Identify any proposed encroachments on wetlands and identify whether a General Permit or a full encroachment permit will be required. If a full permit is required, address time and cost impacts on the project. Note that wetland encroachments should be avoided where feasible. Also note that a feasible alternative **MUST BE SELECTED** to an identified encroachment on an exceptional value wetland as defined in Chapter 105. Identify any project impacts on streams classified as HQ or EV and address impacts of the permitting requirements of said encroachments on the project.

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

- Will the project involve the disturbance of prime agricultural lands?
If yes, coordinate with local officials to resolve any conflicts with the local prime agricultural land protection program. The project must be consistent with such municipal programs before the sewage facilities planning module package may be submitted to DEP.
If no, prime agricultural land protection is not a factor to this project.
- Have prime agricultural land protection issues been settled?

6. HISTORIC PRESERVATION ACT

YES NO

- Sufficient documentation is attached to confirm that this project is consistent with DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code* (available online at the DEP website at www.dep.state.pa.us, select "subject" then select "technical guidance"). As a minimum this includes copies of the completed Cultural Resources Notice (CRN), a return receipt for its submission to the PHMC and the PHMC review letter. **Not Applicable – total project earth disturbance is less than 1 acre, which is less than the 10 acre threshold for PHMC review.**

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

- The "Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt" resulting from my search of the PNDI database and all supporting documentation from jurisdictional agencies (when necessary) is/are attached.
- A completed "Pennsylvania Natural Diversity Inventory (PNDI) Project Planning & Environmental Review Form," (PNDI Form) available at www.naturalheritage.state.pa.us, and all required supporting documentation is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning module will be considered incomplete upon submission to the Department and that the DEP review will not begin, and that processing of my planning module will be delayed, until a "PNDI Project Environmental Review Receipt" and all supporting documentation from jurisdictional agencies (when necessary) is/are received by DEP.

Applicant or Consultant Initials _____.

H. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section H of instructions)

- An alternative sewage facilities analysis has been prepared as described in Section H of the attached instructions and is attached to this component.

The applicant may choose to include additional information beyond that required by Section H of the attached instructions.

I. COMPLIANCE WITH WATER QUALITY STANDARDS AND EFFLUENT LIMITATIONS (See Section I of instructions) (Check and complete all that apply.)

1. Waters designated for Special Protection

- The proposed project will result in a new or increased discharge into special protection waters as identified in Title 25, Pennsylvania Code, Chapter 93. The Social or Economic Justification (SEJ) required by Section 93.4c. is attached.

2. Pennsylvania Waters Designated As Impaired

- The proposed project will result in a new or increased discharge of a pollutant into waters that DEP has identified as being impaired by that pollutant. A pre-planning meeting was held with the appropriate DEP regional office staff to discuss water quality based discharge limitations.

3. Interstate and International Waters

- The proposed project will result in a new or increased discharge into interstate or international waters. A pre-planning meeting was held with the appropriate DEP regional office staff to discuss effluent limitations necessary to meet the requirements of the interstate or international compact.

4. Tributaries To The Chesapeake Bay

- The proposed project result in a new or increased discharge of sewage into a tributary to the Chesapeake Bay. This proposal for a new sewage treatment facility or new flows to an existing facility includes total nitrogen and total phosphorus in the following amounts: _____ pounds of TN per year, and _____ pounds of TP per year. Based on the process design and effluent limits, the total nitrogen treatment capacity of the wastewater treatment facility is _____ pounds per year and the total phosphorus capacity is _____ pounds per year as determined by the wastewater treatment facility permittee. The permittee has determined that the additional TN and TP to be contributed by this project (as modified by credits and/or offsets to be provided) will not cause the discharge to exceed the annual total mass limits for these parameters. Documentation of compliance with nutrient allocations is attached.

Name of Permittee Agency, Authority, Municipality _____

Initials of Responsible Agent (See Section G 2.b) _____

See *Special Instructions* (Form 3800-FM-BPNPSM0353-1) for additional information on Chesapeake Bay watershed requirements.

J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J of instructions)

Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Title 25, Chapter 94 (relating to Municipal Wasteload Management). If not previously included in Section F, include a general map showing the path of the sewage to the treatment facility. If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 7776 gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

When providing "treatment facilities" sewage flows, use Annual Average Daily Flow for "average" and Maximum Monthly Average Daily Flow for "peak" in all cases. For "peak flows" in "collection" and "conveyance" facilities, indicate whether these flows are "peak hourly flow" or "peak instantaneous flow" and how this figure was derived (i.e., metered, measured, estimated, etc.).

- a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.
- c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

To complete the table, refer to the instructions, Section J.

	a. Design and/or Permitted Capacity (gpd)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection*	N/A	N/A	N/A	N/A	N/A	N/A
Conveyance*	1127520	1127520	864000	864000	959040	959040
Treatment*	600000	Unknown	79000	116000	210909	343571

* See attached Chapter 94 consistency narrative

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table. The individual(s) signing below must be legally authorized to make representation for the organization.

YES NO

- a. YES NO This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved Corrective Action Plan (CAP) granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the module package.

If no, a representative of the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not affect that status.

- b. Collection System

Name of Agency, Authority, Municipality Pennsylvania American Water

Name of Responsible Agent David Kaufman, P.E.

Agent Signature  Date 7/25/12

J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J of instructions)

c. Conveyance System

Name of Agency, Authority, Municipality Pennsylvania American Water

Name of Responsible Agent David Kaufman, P.E.

Agent Signature _____

Date _____

4. Treatment Facility

The questions below are to be answered by a representative of the facility permittee in coordination with the information in the table and the latest Chapter 94 report. The individual signing below must be legally authorized to make representation for the organization.

YES NO

- a. This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility?

If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved CAP granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the planning module.

If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not impact that status.

- b. Name of Agency, Authority, Municipality Pennsylvania American Water

Name of Responsible Agent David Kaufman, P.E.

Agent Signature 

Date 7/25/17

K. TREATMENT AND DISPOSAL OPTIONS (See Section K of instructions)

This section is for land development projects that propose construction of wastewater treatment facilities. Please note that, since these projects require permits issued by DEP, these projects may **NOT** receive final planning approval from a delegated local agency. Delegated local agencies must send these projects to DEP for final planning approval.

Check the appropriate box indicating the selected treatment and disposal option.

1. Spray irrigation (other than individual residential spray systems (IRSIS)) or other land application is proposed, and the information requested in Section K.1. of the planning module instructions are attached.
2. Recycle and reuse is proposed and the information requested in Section K-2 of the planning module instructions is attached.
3. A discharge to a dry stream channel is proposed, and the information requested in Section K.3. of the planning module instructions are attached.
4. A discharge to a perennial surface water body is proposed, and the information requested in Section K.4. of the planning module instructions are attached.

L. PERMEABILITY TESTING (See Section L of instructions)

- The information required in Section L of the instructions is attached.

M. PRELIMINARY HYDROGEOLOGIC STUDY (See Section M of instructions)

- The information required in Section M of the instructions is attached.

N. DETAILED HYDROGEOLOGIC STUDY (See Section N of instructions)

The detailed hydrogeologic information required in Section N. of the instructions is attached.

O. SEWAGE MANAGEMENT (See Section O of instructions)

(1-3 for completion by the developer(project sponser), 4-5 for completion by the non-municipal facility agent and 6 for completion by the municipality)

Yes No

1. Is connection to, or construction of, a DEP permitted, non-municipal sewage facility or a local agency permitted, community onlot sewage facility proposed.

If Yes, respond to the following questions, attach the supporting analysis, and an evaluation of the options available to assure long-term proper operation and maintenance of the proposed non-municipal facilities. If No, skip the remainder of Section O.

2. Project Flows _____ gpd

Yes No

3. Is the use of nutrient credits or offsets a part of this project?

If yes, attach a letter of intent to purchase the necessary credits and describe the assurance that these credits and offsets will be available for the remaining design life of the non-municipal sewage facility;

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

The questions below are to be answered by the organization/individual responsible for the non-municipal collection and conveyance facilities. The individual(s) signing below must be legally authorized to make representation for the organization.

Yes No

- a. If this project proposes sewer extensions or tap-ins, will these actions create a hydraulic overload on any existing collection or conveyance facilities that are part of the system?

If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until this issue is resolved.

If no, a representative of the organization responsible for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 71 §71.53(d)(3) and that this proposal will not affect that status.

- b. Collection System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

- c. Conveyance System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

5. Treatment Facility

The questions below are to be answered by a representative of the facility permittee. The individual signing below must be legally authorized to make representation for the organization.

Yes No

- a. If this project proposes the use of an existing non-municipal wastewater treatment plant for the disposal of sewage, will this action create a hydraulic or organic overload at that facility?

If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this issue is resolved.

If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with §71.53(d)(3) and that this proposal will not impact that status.

- b. Name of Facility _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

(For completion by the municipality)

- 6. The **SELECTED OPTION** necessary to assure long-term proper operation and maintenance of the proposed non-municipal facilities is clearly identified with documentation attached in the planning module package.

P. PUBLIC NOTIFICATION REQUIREMENT (See Section P of instructions)

This section must be completed to determine if the applicant will be required to publish facts about the project in a newspaper of general circulation to provide a chance for the general public to comment on proposed new land development projects. This notice may be provided by the applicant or the applicant's agent, the municipality or the local agency by publication in a newspaper of general circulation within the municipality affected. Where an applicant or an applicant's agent provides the required notice for publication, the applicant or applicant's agent shall notify the municipality or local agency and the municipality and local agency will be relieved of the obligation to publish. The required content of the publication notice is found in Section P of the instructions.

To complete this section, each of the following questions must be answered with a "yes" or "no". Newspaper publication is required if any of the following are answered "yes".

Yes No


- 1. Does the project propose the construction of a sewage treatment facility ?
- 2. Will the project change the flow at an existing sewage treatment facility by more than 50,000 gallons per day?
- 3. Will the project result in a public expenditure for the sewage facilities portion of the project in excess of \$100,000?
- 4. Will the project lead to a major modification of the existing municipal administrative organizations within the municipal government?
- 5. Will the project require the establishment of *new* municipal administrative organizations within the municipal government?
- 6. Will the project result in a subdivision of 50 lots or more? (onlot sewage disposal only)
- 7. Does the project involve a major change in established growth projections?
- 8. Does the project involve a different land use pattern than that established in the municipality's Official Sewage Plan?

P. PUBLIC NOTIFICATION REQUIREMENT cont'd. (See Section P of instructions)

- 9. Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
- 10. Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
- 11. Will sewage facilities discharge into high quality or exceptional value waters?
- Attached is a copy of:
 - the public notice,
 - all comments received as a result of the notice,
 - the municipal response to these comments.
- No comments were received. A copy of the public notice is attached.

Q. FALSE SWEARING STATEMENT (See Section Q of instructions)

I verify that the statements made in this component are true and correct to the best of my knowledge, information and belief. I understand that false statements in this component are made subject to the penalties of 18 PA C.S.A. §4904 relating to unsworn falsification to authorities.

Stan Corbett	_____		_____
	Name (Print)	Signature	
Senior Planner	_____	2/25/17	_____
	Title	Date	
Sabre Building, 4051 Ogletown Rd, Suite 300, Newark DE 19713	_____	302-781-5886	_____
	Address	Telephone Number	

R. REVIEW FEE (See Section R of instructions)

The Sewage Facilities Act establishes a fee for the DEP planning module review. DEP will calculate the review fee for the project and invoice the project sponsor **OR** the project sponsor may attach a self-calculated fee payment to the planning module prior to submission of the planning package to DEP. (Since the fee and fee collection procedures may vary if a "delegated local agency" is conducting the review, the project sponsor should contact the "delegated local agency" to determine these details.) Check the appropriate box.

- I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand DEP's review of my project will not begin until DEP receives the correct review fee from me for the project.
- I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of \$_____ payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.
- I request to be exempt from the DEP planning module review fee because this planning module creates **only** one new lot and is the **only** lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for _____ County, Pennsylvania

Deed Volume _____ Book Number _____

Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

1. For a new collection system (with or without a Clean Streams Law Permit), a collection system extension, or individual tap-ins to an existing collection system use this formula.

$$\# \underline{\hspace{2cm}} \text{ Lots (or EDUs) X } \$50.00 = \$ \underline{\hspace{2cm}}$$

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
 - For community sewer system projects, one EDU is equal to a sewage flow of 400 gallons per day.
2. For a surface or subsurface discharge system, use the appropriate one of these formulae.

- A. A new surface discharge greater than 2000 gpd will use a flat fee:

\$ 1,500 per submittal (non-municipal)
\$ 500 per submittal (municipal)

- B. An increase in an existing surface discharge will use:

$$\# \underline{\hspace{2cm}} \text{ Lots (or EDUs) X } \$35.00 = \$ \underline{\hspace{2cm}}$$

to a maximum of \$ 1,500 per submittal (non-municipal) or \$ 500 per submittal (municipal)

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
 - For community sewage system projects one EDU is equal to a sewage flow of 400 gallons per day.
 - For non-single family residential projects, EDUs are calculated using projected population figures
- C. A sub-surface discharge system that requires a permit under The Clean Streams Law will use a flat fee:
- \$ 1,500 per submittal (non-municipal)
\$ 500 per submittal (municipal)

PROJECT NARRATIVE

SECTION F. PROJECT NARRATIVE

A narrative description of the project is presented below based upon the content requirements as specified in the DEP document entitled "Instructions for Completing Component 3 Sewage Collection and Treatment Facilities". These content requirements are listed in italic text below, with project information inserted after each item.

1. *Indicate the nature of the development project. (Residential, Commercial, Institutional, Industrial, etc.) If the project is commercial, institutional or industrial, describe the activity, such as light manufacturing, private hospital, or heavy manufacturing.*

The project does not involve any land development, but rather provides for uses in the proposed service area to connect to the existing Paint-Elk public sewage system force main located along the US Route 322 right-of-way. Existing uses are primarily single family residential, with limited incidence of commercial uses, all of which are presently served by on-lot sewage systems.

The proposed Town Hill Service Area is the same area as was identified as Study Area 4 in the draft Elk Township Act 537 Plan prepared in 2012. Said planning indicated that provision of public sewer service was warranted due to problems with the on-lot sewage systems. The purpose of this Planning Module is to include these properties in the approved Act 537 public sewer service area so that public sewer connections can proceed when individual property owners so request.

2. *Enter the number of lots or EDUs in the development project. Lots refer to single family residential dwellings and for purposes of flow calculation are assumed to generate a minimum of 400 gallons per day (gpd). If larger residential flows are anticipated, these flows should be used. The residual tract, if any, is also counted as a lot. For commercial, industrial, and institutional facilities, the number of lots in a subdivision is determined by using EDUs. Divide the total flow for these facilities by 400 to determine the number of EDUs.*

As identified in a draft 2012 Elk Township Act 537 Plan, uses in the proposed service area presently constitute 32 EDUs.

No land development is proposed and discussion relating to number of lots, residual tract, and type of use is consequently not applicable.

3. *Describe the proposed sewage disposal method (municipal treatment facility, package plant, etc.) including a description of collection and conveyance facilities, if applicable. Include a general map showing the path of the sewage to the treatment facility.*

The proposed sewage disposal method is treatment and disposal at the Paint-Elk WWTP, which is owned and operated by Pennsylvania American Water. The Paint-Elk Treatment Plant is permitted for 600,000 gpd via NPDES Permit PA0034924, WQM Permit No. 1690402. The method of conveying the sewage to the Paint-Elk WWTP is via the existing force main located along US Route 322 and downstream existing gravity sewer segments. The conveyance path to the treatment facility is illustrated on Figure 1.

4. *Specify the projected population to be served and sewage flows in gpd and how these figures were calculated. Flow figures should be consistent with those found in DEP's*

Domestic Wastewater Facilities Manual available on the DEP website at www.dep.state.pa.us, Keyword: "Wastewater" unless adequate justification for lower per capita flows is provided and/or has been previously approved by DEP.

Based upon an average household occupancy of 2.43 persons in Elk Township per the 2010 US Census data and an estimated flow of 100 gpd/capita per the DEP Domestic Wastewater Facilities Manual, the existing 32 EDUs in the Town Hill Service Area would equate to a population of approximately 78 persons and projected sewage flows of 7,776 gpd.

5. *Describe the location of the discharge, disposal point or land application, if applicable.*

The disposal point for the planned flows as described above is the Paint-Elk WWTP which discharges to the Paint Creek per NPDES Permit PA0034924, WQM Permit No. 1690402.

6. *List the total acreage of the proposed land development project.*

No land development is proposed and development acreage is not applicable.

7. *Describe the use of any acreage or parcels under the same ownership and adjacent to the property. (Such as: for future development, recreational, agriculture, open space, etc.) If the land is proposed for future development, or is part of a phased project, determine if there will be adequate sewage disposal facilities to serve those phases.*

The planning area consists of multiple private properties adjacent to existing Paint-Elk WWTP conveyance facilities. Discussion of ownership and future development of adjacent parcels or acreage is not applicable.

8. *Provide information on any previous Act 537 planning completed for the site and any other information that the applicant believes is important for the Department's review of the project.*

As discussed above, the draft Elk Township Act 537 Plan completed in 2012 identified Study Area 4 to be in need of public sewage due to on-lot sewage system problems. The proposed Town Hill Service Area is the same area as was identified as Study Area 4. At the time the 2012 draft Plan was prepared, however, no sewer lines were in existence to serve this area and the selected alternative was accordingly construction of a new sewer extension to allow for treatment and disposal at the Paint-Elk WWTP.

A Sewage Facilities Planning Module was subsequently approved by Shipperville Borough, Elk Township and DEP in 2015 which provided for decommissioning the Shipperville Borough WWTP, construction of a new lift station at the former WWTP site, construction of a force main to convey flows from the new lift station to the Paint-Elk WWTP, and transference of the Shipperville public sewer system to Pennsylvania American Water. At this writing, construction of these facilities is nearing completion and they are expected to be placed in service before the end of 2017.

Routing for the above-noted force main includes the portion of the US Route 322 right-of-way which fronts the properties in the Town Hill Service Area, rendering sewer connections feasible without construction of any new public sewer facilities. Public sewer connections

would be made upon request of the property owner and would consist of an individual grinder pump and a low pressure force main lateral to serve each use. Consistent with current PAW Rules and Regulations, as approved by the Pennsylvania Public Utilities Commission, each property owner would be responsible for costs of installing a sewer lateral and grinder pump on their property up to the right-of-way, and would further be responsible for properly maintaining the private grinder pump. Each property owner would also be responsible for addressing all PAW design requirements and fees in effect at the time application is made for a connection.

Earth disturbance will be limited to installation of sewer laterals and grinder pumps on existing yard areas, as well as limited disturbance within the road right-of way to effect lateral connection to the existing force main. Since all such disturbance would occur on previously disturbed lands, no impact on prime agricultural soils will occur. It should also be noted that the maximum amount of earth disturbance is estimated to be less than 1 acre, assuming all 32 EDUs were to connect to the public sewer.

ALTERNATIVES ANALYSIS

SECTION H. ALTERNATIVE SEWAGE FACILITIES ANALYSIS

A discussion of project alternatives is presented below based upon the content requirements as specified in the DEP document entitled "Instructions for Completing Component 3 Sewage Collection and Treatment Facilities". These content requirements are listed in italic text below, with project information inserted after each item.

1. *Describe the chosen disposal method, its location, the daily flow proposed and if the method is an interim method (to be replaced by the ultimate method in 5 years or less), or is an ultimate method (to serve the development in the long term, for 5 years or more). Provide a description of how the chosen method will provide compliance with effluent limitations. Also provide the number of lots or EDU's that will be served.*

The chosen method to address on-lot sewage system problems in the Town Hill Service Area is abandonment of on-lot systems and connection to the existing public sewage force main located along US Route 322 right-of-way. This is intended to be the ultimate method of serving the long term sewage needs of the area. The permitted hydraulic and organic loading for the Paint – Elk WWTP is sufficient to accommodate the projected flows, resulting in compliance with applicable effluent limitations.

Based upon an average household occupancy of 2.43 persons in Elk Township per the 2010 US Census data, an estimated flow of 100 gpd/capita per the DEP Domestic Wastewater Facilities Manual, and the existing 32 EDUs in the Town Hill Service Area as identified in 2012 draft Elk Township Act 537 planning, total sewage flows of 7,776 gpd are projected.

Since no new land development is proposed, no new lots are proposed.

2. *Describe the types of land uses adjacent to the project area (Agricultural, Residential, Commercial etc.) and the type of sewage disposal method serving each of those land uses.*

Properties adjacent to the project must be described by indicating present land uses and zoning designations. Describe the sewage disposal methods being used for each of those adjacent land uses (onlot, municipal treatment, etc.) and if those methods are intended for interim or ultimate use.

The project area consists of existing residential and commercial uses located along US Route 322 between Shipperville Borough and the existing Paint – Elk WWTP service area within Elk Township. Adjacent land in these public sewer service areas to the east and west of the Town Hill area represent a range of commercial and residential uses. Lands to the north and south of the Town Hill Area are primarily vacant. The Town Hill Service Area is located entirely in Elk Township, which has no zoning ordinance controlling land use.

Public sewer service is intended to be the ultimate method of sewage disposal for existing properties so served.

3. *Indicate if the sewage facilities described in (2) are in need of improvement due to noncompliance with effluent limitations, high rates of onlot malfunction or overloaded public sewers. Is there a potential for a combined public/private project?*

There are no developed lands adjacent to the project area which are not already served by public sewage facilities. All such uses are served by the Paint-Elk WWTP, which is compliant with effluent limitations.

4. *Determine and indicate what sewage disposal method is proposed for the development area in the municipality's Official Sewage Facilities Plan (such as: onlot disposal systems, public sewers, etc.).*

Elk Township completed a draft Official Sewage Facilities Plan in 2012 which was not adopted. That Plan indicated that no prior Elk Township Act 537 planning existed, and recommended that public sewerage service be provided for the properties in the current Town Hill Service Area to address existing on-lot sewage system problems.

5. *Describe any existing sewage management program(s) in the area, and/or any sewage management program(s) that this project would be required to participate in, and that program's requirements.*

Construction of a DEP-permitted non-municipal sewage treatment facility is not proposed and no sewage management program is applicable.

6. *Describe any potential alternative sewage disposal methods that are available for the project. Consider all reasonable possibilities for sewage disposal, such as a stream discharge or an alternate method of land disposal. The municipality, delegated local agency or DEP may also require consideration of particular types of sewage disposal methods in the analysis. The chosen method must assure that applicable water quality standards are attained.*

Sewage disposal alternatives that are available to serve the Town Hill area are continued use of on-lot sewage systems and connection to public sewerage facilities. Due to identified on-lot sewage system problems, continued use of on-lot sewage systems to meet the long term sewage needs of the area has been discounted from further consideration. Since the subject properties front an existing public sewer line and the receiving facilities have capacity to accommodate the projected sewage flows from the area, no public sewerage alternative other than service by the existing Paint-Elk facilities has been considered.

7. *Describe why the proposed method was chosen over any of the other methods described in the alternatives analysis. Environmental, administrative, and financial concerns may be addressed. Also indicate how the chosen method will guarantee adequate sewage disposal, including compliance with applicable water quality standards and effluent limitations, for the development in both the short-term (up to 5 years) and long-term (beyond 5 years) by describing the adequacy of the proposed facilities (organic and hydraulic loading) and the ability of the facility to accept additional flows or loads.*

Connection to the existing Paint-Elk public sewerage system as needed to address on-lot sewage system malfunctions was chosen since this is the only presently available means of addressing the long-term sewage needs in the Town Hill area.

The chosen alternative will allow for adequate sewage disposal and compliance with all known effluent limitations in both the short-term and the long-term.

Total future projected Paint-Elk WWTP loadings have been evaluated based upon the connection of all 32 EDUs in the Town Hill Service Area, as well as future projections of sewage needs identified elsewhere in Elk Township. Table 1 below lists projected flows for the Shippenville Lift Station, and Table 2 incorporates these flows into total future projections for the Paint-Elk WWTP.

Table 1. Total Projected Future Shippenville Lift Station Flows

Act 537 Service Area Status	Source	EDUs	Projected Loading	
			Hydraulic (GPD) ⁽¹⁾	BOD ₅ (PPD) ⁽²⁾
Existing Service Area	Existing Flows ⁽³⁾		52,000	189
	Future unknown Shippenville growth ⁽⁴⁾	9	2,130	4
	Proposed Woody Weaver Development	80	14,280	32
Future Act 537 Planning Required	2012 Draft Elk Act 537 Plan:			
	Study Area 1 - Southwest of Shippenville, SR 208 and Elk City area ⁽⁵⁾	92	22,356	38
	Study Area 3A - North of Shippenville along SR 208	38	9,234	16
Totals			100,000	279
Permitted Flow⁽⁶⁾			100,000	

- (1) Future flows per EDU based upon 2010 Census data of 2.38 and 2.43 average persons/household for Shippenville and Elk respectively, and flow of 100 gpd/capita per DEP Domestic Wastewater Facilities Manual, excepting the proposed Woody Weaver development which is based on a flow of 75 gpd/capita per 2012 Shippenville Act 537 Plan.
- (2) 0.17 PPD/capita and 2010 Census data for average household sizes used for projections
- (3) All existing flows are five year maximum monthly averages based on Shippenville WWTP 2016 Chapter 94 Report data
- (4) Available reserve capacity assuming all known future connections proceed
- (5) Includes flows for proposed Elk Township Elk Acres sewer extension as indicated in 2012 Shippenville Act 537 Plan
- (6) WQM permit No. 1616402

Table 2. Total Projected Future Paint - Elk WWTP Loading

Act 537 Service Area Status	Source	EDUs	Projected Loading	
			Hydraulic (GPD)	BOD ₅ (PPD) ⁽¹⁾
Existing Service Area	Existing Paint - Elk WWTP Flows ⁽²⁾		224,000	378
	Future unknown growth ⁽³⁾	328	76,471	130
See Table 1	Shipperville Lift Station		100,000	279
Proposed Service Area	Town Hill Service Area (Study Area 4 of 2012 Draft Elk Township Act 537 Plan)	32	7,776	13
Totals			408,247	800
Permitted Loading⁽⁴⁾			600,000	800

- (1) 0.17 PPD/capita and 2010 Census data for average household sizes used for projections
- (2) All existing loadings are five year maximum monthly averages per 2016 Paint-Elk WWTP Chapter 94 Report data; November 2013 maximum month organic loading was discounted due to anomalous industrial discharge.
- (3) Available reserve capacity based upon BOD loadings and assuming all known future connections proceed. Average household occupancy of 2.33 persons for Paint and Elk and a flow of 100 gpd/capita per DEP Domestic Wastewater Facilities Manual used for projections.
- (4) NPDES Permit No. PA0034924

8. *Indicate who will be the owner of the facility, and who will be responsible for operation and maintenance of the facility and ultimately compliance with applicable water quality standards and effluent limitations.*

Pennsylvania American Water will continue to own, operate and maintain the Paint-Elk public sewerage facilities receiving flows from the Town Hill Service Area.

9. *Finally, the applicant may use the narrative to describe any special considerations or provide any additional information that supports the choice of disposal method. The alternatives analysis must be attached to the planning module package for review by the municipality and approving agency.*

See the Project Narrative for additional project information.

CHAPTER 94 CONSISTENCY NARRATIVE

SECTION J. CHAPTER 94 CONSISTENCY

The proposed project involves the addition of the Town Hill Service area to the Act 537 service area of the Paint-Elk Wastewater Treatment Plant (WWTP), which is owned and operated by Pennsylvania American Water (PAW). The existing 32 EDUs in the Township Hill Service Area would be permitted to connect via individual grinder pumps to the existing 8" diameter force main which conveys flows from the Shipperville lift station to the Paint-Elk gravity sewer system.

DEP requirements for Section J of the Component 3 form require identification of design capacities, existing flows, and 5 year (2 year for pump stations) projected flows for collection, conveyance and treatment systems in order to verify that a proposed project will not result in a projected hydraulic overload for Chapter 94 reporting purposes. The following factors were utilized in completion of the Section J table:

- Collection row – the addition of the Town Hill Service Area will not result in any collection system impacts; the proposed grinder pump connections would be conveyed to the Paint-Elk WWTP via an existing force main and receiving gravity sewer interceptor segments, none of which are classified as collection facilities. The collection row in the table is consequently completed as not applicable.
- Conveyance row - the existing force main and the Paint-Elk gravity interceptor from MH 238 to the headworks of the WWTP are designated as the conveyance system relative to project capacities. Existing design capacities indicate that the force main would be the most restrictive portion of the conveyance system, and figures in this row consequently address the force main.

Design capacities for the force main were calculated using a maximum design velocity of 5 feet/second and the Hazens-Williams equation to estimate the corresponding flow rate. The resulting maximum flow rate of approximately 783 gpm results in a flow of 1,127,520 gpd, which is indicated in the table for both average and peak design capacities. It should be noted that the maximum design velocity of 5 feet/second is a conservative figure; greater velocities may be acceptably accommodated, and PAW may evaluate such velocities if applicable to a future development proposal or pump station upgrade.

Present flows are based upon the permitted pumping rate of 600 gpm for the Shipperville lift station, which equates to 864,000 gpd. This figure is used for both average and peak flows.

Projected flows are based upon the estimated pumping rate that would be added to present flows due to connection of 32 grinder pumps in the Town Hill Service Area. Grinder pumps manufactured by E/One were utilized for this analysis; however, customers may select any manufacturer that meets PAW specifications. With E/One grinder pumps, a pumping rate of 11 gpm per grinder pump is expected. Based upon statistical analysis for low pressure sewer system design provided by E/One, a

maximum of 6 grinder pumps would operate simultaneously with a 32 unit system. The resulting 66 gpm flow rate (11 gpm x 6 grinder pumps) added to the existing 600 gpm flow rate equates to 666 gpm, or a flow of 959,040 gpd. This figure is used for both average and peak flows.

- Treatment row – the Paint-Elk WWTP constitutes the treatment portion of the table.

Average design capacity is the currently permitted 600,000 gpd Paint-Elk WWTP capacity. Peak design capacity is unknown.

Existing average flows of 79,000 gpd are the 2016 annual average daily flow as shown in the 2016 Chapter 94 Report. Existing peak flows of 116,000 are the 2016 maximum monthly average daily flow from the 2016 Chapter 94 Report.

Projected average flow of 210,909 gpd is the sum of the 2016 Paint-Elk Chapter 94 Report projected average flow of 203,133 gpd for year 2021 and the Town Hill Service Area flow of 7,776 gpd. Projected peak flow is the estimated maximum monthly flow in 5 years derived by multiplying the above-noted projected average flow by a peaking factor of 1.629. This peaking factor was calculated by dividing the maximum monthly flow by the annual average flow for years 2012 through 2016, as shown in the 2016 Chapter 94 Report, and averaging the resultant yearly peaking factors for this 5 year period.

CHAPTER 94 REPORTS



CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT REPORT

PENNSYLVANIA AMERICAN WATER
PAINT-ELK WASTEWATER TREATMENT PLANT AND
COLLECTION SYSTEM

NPDES PERMIT: PA0034924

OPERATING YEAR: 2016



PERMITEE SIGNATURE: Mark A. Smith

Mark A. Smith, Superintendent - Operations
Pennsylvania American Water

REPORT PREPARER SIGNATURE: Jed A. Fiscus

Jed A. Fiscus, P.E., Senior Project Engineer
Pennsylvania American Water

Report Summary and Index

The purpose of the Municipal Wasteload Management Report is to provide the Pennsylvania Department of Environmental Protection (PaDEP) with information for a review of the load on the wastewater facilities and to insure that there is sufficient time to plan and construct needed additions. This report includes information on all collection systems tributary to the treatment plant. In accordance with Section 94.12, Annual Report, of the PaDEP Rules and Regulations, the report includes the following:

- 1. Introduction**
- 2. Hydraulic Loading (§94.12(a)1)**
- 3. Organic Loading (§94.12(a)2)**
- 4. Basis of Loading Projections (§94.12(a)3)**
- 5. Projected Overload Conditions (§94.12(a)1) and (§94.12(a)2)**
- 6. Industrial Waste Report (§94.12(a)8)**
- 7. Collection System Extensions (§94.12(a)4)**
- 8. Wastewater Facilities Monitoring, Maintenance, Repair and Rehabilitation (§94.12(a)5)**
- 9. Condition of Collection System (§94.12(a)6)**
- 10. Condition of Lift Stations (§94.12(a)7)**
- 11. Calibration Report**

APPENDIX

- A. WWTF Process Diagram
- B. Calibration Reports for Flow Meters
- C. Certifications and Training Transcripts for Operators
- D. Tools and Equipment List
- E. Collection System Summary Table

1. Introduction

Pennsylvania-American Water (PAW) owns and operates the Paint-Elk Wastewater System that consists of a 0.600 MGD Wastewater Treatment Plant (WWTP), three (3) lift stations, and collection and conveyance sewers necessary to service portions of Paint and Elk Townships. PAW acquired the Paint-Elk system on August 1, 2014.

The collection system serves portions of Paint and Elk Townships. The PAWC Paint-Elk collection system consists of approximately 67,450 LF of various sizes of gravity pipe, 12,200 LF of force main and pressure sewer and approximately 343 manholes. The majority of the collection system piping is PVC pipe, while the vast majority of the manholes are pre-cast concrete.

The WWTP is operated under NPDES Permit PA0034924. The NPDES permit was renewed on October 1, 2016 and will expire on September 30, 2021. The WWTP consists of a headworks with dimminutor, manual bar screens and grit chambers and four (4) aerated lagoons. Disinfection is achieved with a chlorine feed system and chlorine contact tank. The Paint-Elk WWTP is located at 9242 SR 322, Shippenville, PA 16254.

2. Hydraulic Loading (§94.12(a)1)

The hydraulic loading graph (Graph 1) illustrates the hydraulic loading on the treatment plant plotted from average daily flows for each month from **2012** to **2016** and the hydraulic loading approved by the National Pollutant Discharge Elimination System (NPDES) permit.

Table 1 provides a list of the average daily flows for each month from **2012** to **2016** with the annual average daily flow and 3-month maximum consecutive average daily flow for each year.

Graph 1: Hydraulic Loadings

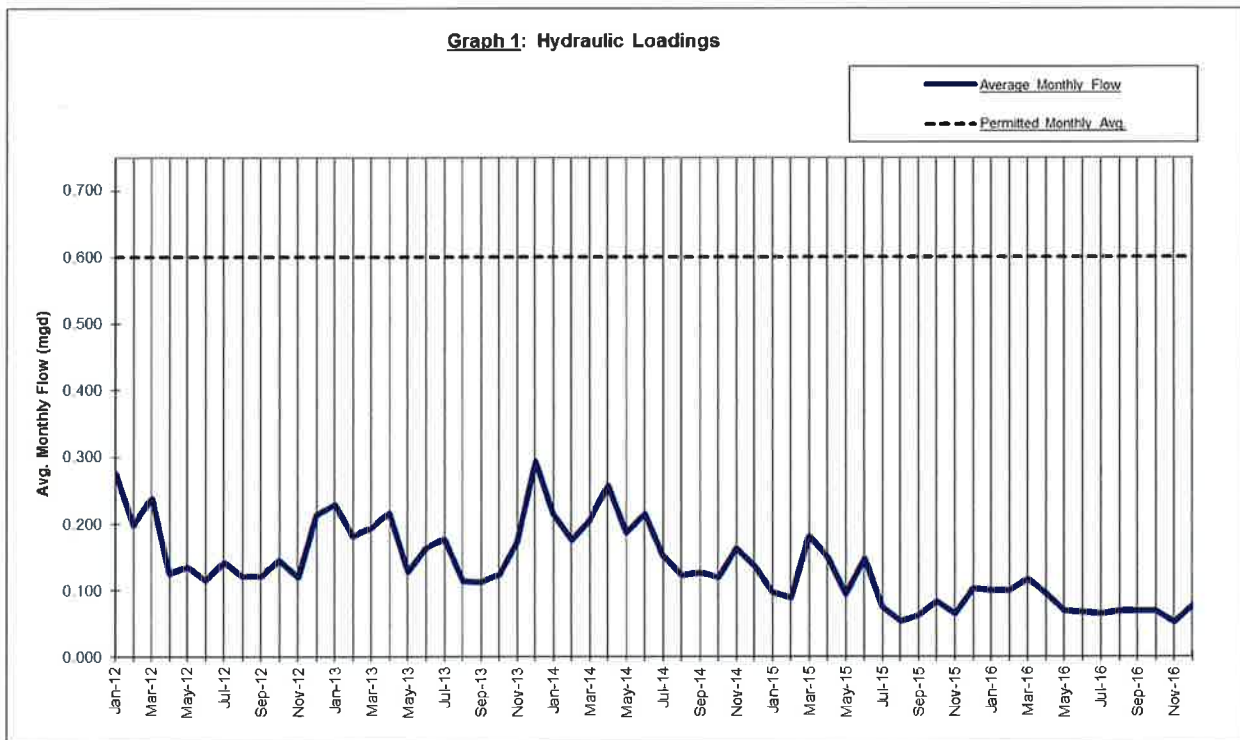


TABLE 1
HYDRAULIC LOADING

Month	2012	2013	2014	2015	2016	5-YR AVG
January	0.275	0.229	0.214	0.097	0.100	0.183
February	0.198	0.181	0.175	0.088	0.100	0.148
March	0.239	0.194	0.205	0.181	0.116	0.187
April	0.125	0.216	0.257	0.149	0.095	0.168
May	0.135	0.128	0.186	0.094	0.069	0.122
June	0.115	0.162	0.214	0.147	0.067	0.141
July	0.142	0.176	0.151	0.074	0.065	0.122
August	0.121	0.113	0.122	0.053	0.068	0.095
September	0.121	0.112	0.126	0.062	0.068	0.098
October	0.144	0.124	0.119	0.083	0.068	0.108
November	0.119	0.172	0.162	0.065	0.052	0.114
December	0.213	0.293	0.136	0.102	0.075	0.164
Min	0.115	0.112	0.119	0.053	0.052	0.090
Avg	0.162	0.175	0.172	0.100	0.079	0.138
Max	0.275	0.293	0.257	0.181	0.116	0.224
3 Month Max *	0.237	0.201	0.219	0.141	0.105	0.181
Flow Peaking Factor **	1.463	1.150	1.271	1.419	1.340	1.315

* : Represents the average of the three highest consecutive month's flows.

** : Calculated by dividing the maximum 3-month average flow by the average annual flow

Based on the information in Table 1, the average ratio of maximum month to average loading (peaking factor) for Years **2012 to 2016** is **1.315**.

3. Organic Loading (§94.12(a)2)

The organic loading graph (Graph 2) illustrates the organic loading on the plant plotted from average daily loadings for each month from **2012 to 2016** and the organic loading approved by the NPDES permit.

Table 2 provides a list of the average daily organic loadings for each month from **2012 to 2016** and the annual average load and maximum monthly load for each year. Based on the information in Table 2, the average ratio of maximum month to average loading (peaking factor) for Years **2012 to 2016** is **1.73**.

The loading is calculated by multiplying the average daily flow by the influent BOD.

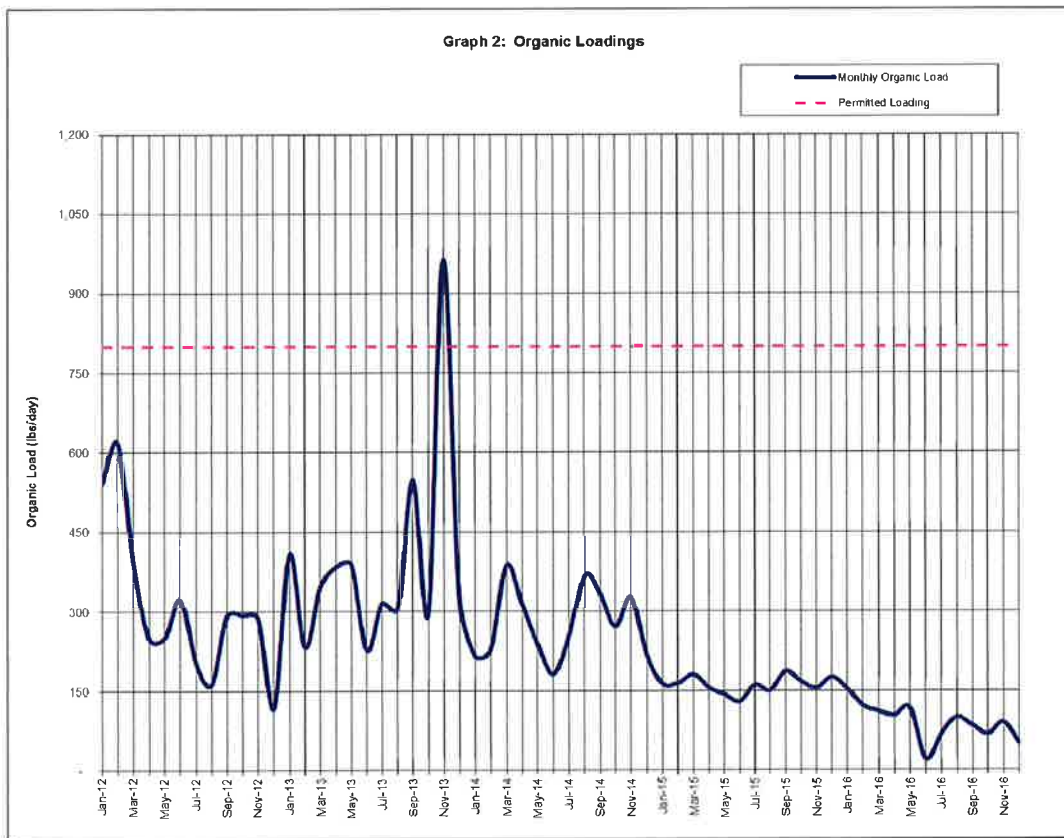


TABLE 2
ORGANIC LOADING

Month	2012	2013	2014	2015	2016	5-YR AVG
January	542	408	215	163	153	296
February	616	233	228	164	122	273
March	392	347	387	180	111	283
April	248	384	314	155	104	241
May	250	388	238	143	117	227
June	323	226	181	130	21	176
July	201	315	252	160	68	199
August	162	304	368	150	100	217
September	292	548	333	186	84	289
October	293	297	271	167	68	219
November	287	962	327	155	90	364
December	117	320	218	175	51	176
Min (lbs/d)	117	226	181	130	21	135
Avg (lbs/d)	310	394	278	161	91	247
Max (lbs/d)	616	962	387	186	153	461
Avg (mg/l)	229	270	193	193	138	215
Peaking Factor *	1.99	2.44	1.39	1.16	1.69	1.73

* : Calculated by dividing the maximum month loading by the average annual loading

4. Basis of Loading Projections (§94.12(a)3)

In an effort to determine future hydraulic and organic loadings to the plant, a forecast of future population served was determined for Years **2017 to 2021**. The projected EDUs within the Paint-Elk system were determined by examining the 2013 Paint-Elk WWTP Ch. 94 Report prepared by the EADS Group along with the interconnection of the Shippenville WW system per the approved Act 537 Plan.

The projected EDUs for years **2016 -2017** are based on the average number of EDUs that have been added to the Paint-Elk WW system (8 EDUs per year) as outlined in the 2013 Ch. 94 Report. The projected number of EDUs assumes interconnection of the Shippenville WW system in late 2017 so the EDUs are included in the total for 2018. The projected EDUs for **2019-2021** are based on the average number of EDUs per year for the Paint-Elk WW system (8 EDUs) plus the projected number of EDUs per year for the Shippenville WW system (8 EDUs). The projected number of EDUs per year is based on the graph on page 12 of the approved 2012 Act 537 Plan for Shippenville.

The hydraulic load is based on 400 gal/day/EDU. The organic load is based on 0.17 lbs/day/person x 2.35 persons per EDU. The 2.35 persons per EDU are based on the average of the population density of persons per household from the 2010 census data for the three municipalities (Paint Twp., Elk Twp. and Shippenville Borough).

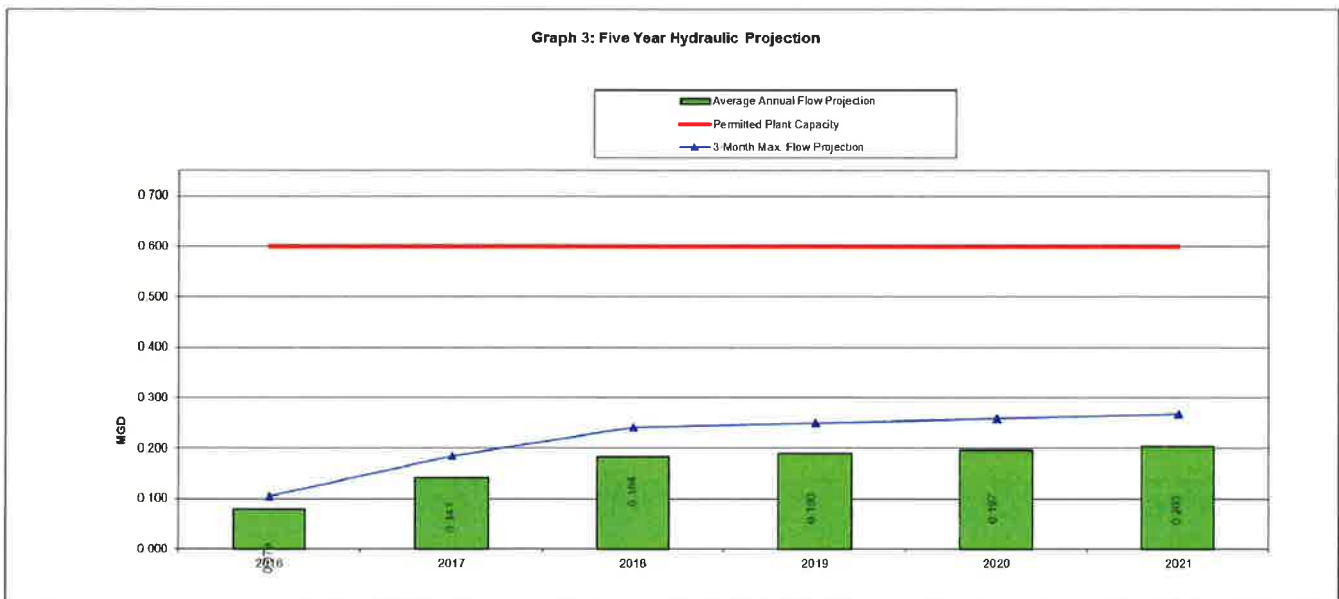
Table 3 depicts the estimated number of additional EDUs served and respective hydraulic and organic loads anticipated for the next five years. These additional annual hydraulic and organic loadings were added to the five year annual average daily hydraulic and organic loading in order to approximate the loadings at the PAW Paint-Elk Wastewater Treatment Plant for the next five years (**2017 - 2021**). The projected 3-consecutive maximum monthly flows were calculated utilizing the average ratio over the past five years of the 'Average 3 month maximum flows' to the 'Average Monthly Flows'. That ratio was multiplied by the projected average annual flow to calculate the 3-consecutive maximum monthly flow. The maximum monthly loading was also determined based on the average

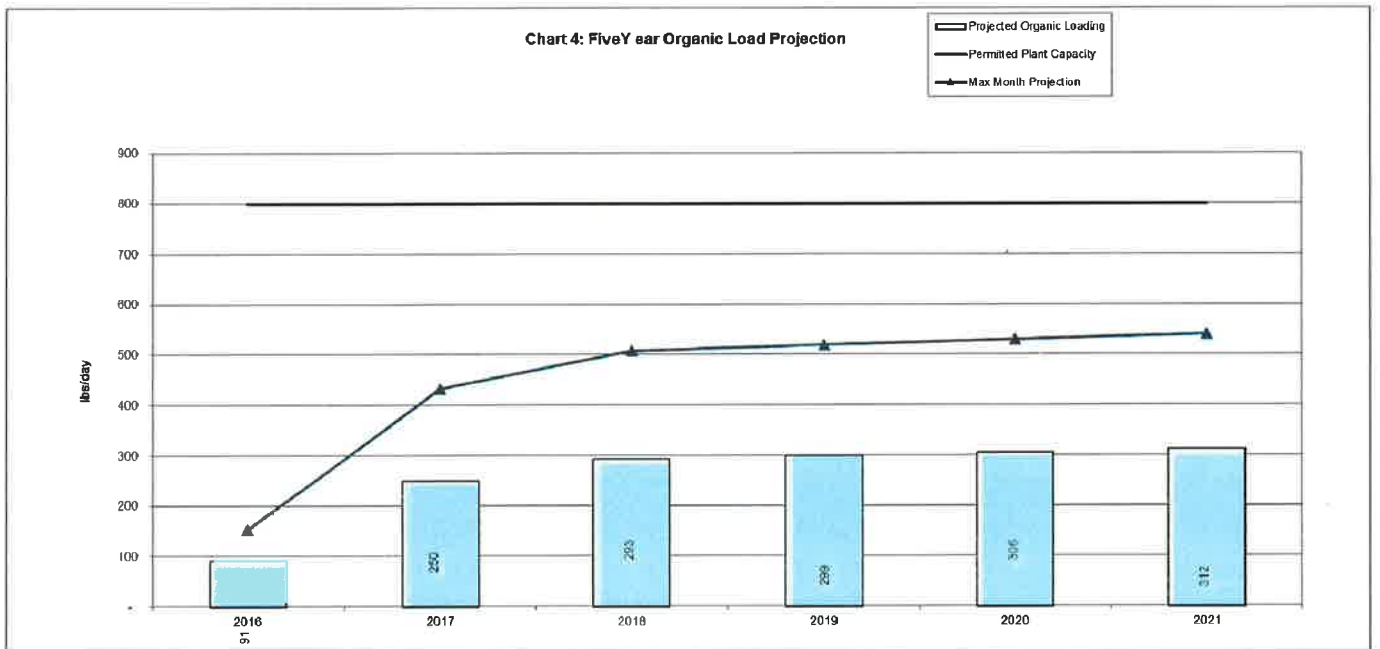
ratio of maximum month loadings to average loadings, times the projected average loading. The results are also depicted on Graphs 3 and 4.

TABLE 3
ESTIMATED POPULATION GROWTH, HYDRAULIC LOADING
AND ORGANIC LOADING

Year	Additional EDUs	Average Annual Flow (gpd)	3-Consecutive maximum Monthly Flow (gpd) ¹	Average Load (lbs/day)	Maximum Monthly Load (lbs/day)
2016		78,583	105,333	91	153
2017	8	140,733	185,075	250	433
2018	108	183,933	241,886	293	508
2019	16	190,333	250,303	299	519
2020	16	196,733	258,719	306	530
2021	16	203,133	267,136	312	541

(1) Years **2017** through **2021** are based on the average ratio of the past five (5) years between average annual loads and maximum loads





5. Projected Overload Conditions

The plant is not currently nor projected to be hydraulically overloaded in the next five years.

The plant is not currently nor projected to be organically overloaded in the next five years.

6. Industrial Waste Report

PAW's PUC approved tariff provides for the regulation of sanitary sewer waste which includes a provision on industrial waste discharge to PAW's system.

The Paint-Elk system does not currently have any industrial user that discharges industrial waste to their system. A service application is required for connection to PAW's system. PAW reviews the applications for potential industrial users. No additional industrial users were connected to the system in Year **2016**.

7. Collection System Extensions

No extensions were completed in **2016**. A sewer extension to Shippenville is currently under construction and is projected to be completed in 2017.

No new connections were made to the system in **2016**.

8. Wastewater Facilities Monitoring, Maintenance, Repair and Rehabilitation

PAW is responsible for the operation and maintenance of one 0.600 MGD wastewater treatment plant, three wastewater lift stations, and collection and conveyance sewers serving Paint Township and Elk Township in Clarion County. The Paint-Elk WW system is operated by the PAW Clarion WW staff. The local Clarion production staff of PAW consists of a Wastewater Supervisor, Lead Operator and three additional Operators. The certified operators' certificates and training transcripts are attached in Appendix C. The three operators work 8 hour days Monday through Friday and one operator works 3 hour days Saturday through Sunday.

As outlined in the 2013 Ch. 94 Report, there has been an extensive amount of pipe replacement work completed within the Paint-Elk system. PAW will continue to monitor the system for I/I and take the necessary remedial action as required. Sampling continues in accordance with Part A, of the NPDES permit.

The NPDES requirements are listed below:

<u>Parameter</u>	<u>Frequency</u>	<u>Sample Type</u>
Total Flow	1/Week	Measured
pH	1/Week	Grab
Dissolved Oxygen	1/Week	Grab
Total Residual Chlorine	1/Week	Grab
CBOD5	Two/Month	8 hour composite
BOD5 (Influent)	Two/Month	8 hour composite
Total Suspended Solids (Influent)	Two/Month	8 hour composite
Total Suspended Solids	Two/Month	8 hour composite
Fecal Coliform	Two/Month	Grab
Total Nitrogen	One/Quarter	8 hour composite
Total Phosphorus	One/Quarter	6 hour composite

Monthly operational reports are submitted by PAW as required to the PaDEP and the U.S. Environmental Protection Agency. In addition to the influent/effluent sampling, PAW personnel check the plant daily, grease equipment either weekly or monthly, change the oil for equipment yearly, clean the air filters and blowers yearly and perform general housekeeping to keep the facilities clean. PAW performed the following repairs at the WWTP in **2016**:

- Replaced 2 aerator motors
- Replaced 1 aerator shaft
- Routine maintenance on generator
- Replaced doors on control building

The PAW operators, in accordance with the PUC approved Tariff; inspect all new sewer connections to insure that no sources of storm water have been connected to the sanitary sewer. When necessary PAW contracts the services of resident inspectors for inspection of sewer extensions proposed by PAW and for developer extensions to insure the extensions are constructed in accordance with the PUC approved tariff and bidding documents.

Monitoring includes inspection of the wastewater collection and conveyance system to resolve problems as they are identified. Manholes are monitored to identify lines that contribute to I/I problems.

Preventive maintenance consists of both inside and outside house-keeping. Equipment maintenance includes cleaning, lubrication, routine inspection of all pumps and apparatus and implementation of proper maintenance procedures for all specific plant units. Records are kept of all maintenance, inspection and repairs. A list of available tools and equipment is attached in the Appendix. PAW has

contracts in place with several contractors to provide maintenance services. PAW also has its own internal maintenance services division. If a problem arises that PAW personnel need assistance to address, local contractors are available and under contract to assist with any emergencies. Below is a list of a few of the contractors that are available to PAW:

- ❖ Bruce and Merrilees (Electrical)
- ❖ Crane America (Cranes and Hoists)
- ❖ Daman Superior (Pumps)
- ❖ Mealy Excavating and Construction, Inc. (Emergency Repairs)
- ❖ Pipe-Eye Sewer Services, Inc. (pipeline cleaning and televising and vacuum services for tanks and wet wells)

9. Condition of Sewer System

The general condition of the interceptors, conveyance, and collection sewer lines maintained by PAW varies with the newer sections being in better condition. According to the 2013 Ch. 94 report, a majority of the system has been replaced since 1990. PAW will continue to monitor and inspect the system and take remedial action as required.

10. Condition of Wastewater Lift Stations

PAW operated and maintained three lift stations on the collection system in **2016**. The three lift stations each have a pressurized force main that connects to the gravity system at various locations.

**TABLE 4
 LIFT STATION CURRENT AND PROJECTED MAXIMUM EFFLUENT FLOWS**

LIFT STATION EFFLUENT FLOWS				
LIFT STATION	MAX DAILY FLOW RATE (MGD)*	2016 MAX DAY (MG)**	PROJECTED 2-YEAR MAX DAY FLOW (MG)***	% of Max Pump Rate
Maple Drive	0.0864	0.0191	0.0447	52%
SR 66	0.2880	0.0298	0.0697	24%
Riverhill	0.5760	0.0242	0.0567	10%
* Max daily flow rate based on listed capacities from 2013 Ch. 94 Report prepared by the EADS Group on behalf of the PEJSA. The max. daily flow is calculated from the max. flow rate.				
** Max day flow for all lift stations is based on 10-21-2016 flow. One of the highest WWTP influent flows for 2016 was recorded on this date due to a 2 day rainfall total over 2 inches of rain.				
*** Projected 2-Year Flow based on ratio of 2018 projected monthly hydraulic loading to 2016 average monthly hydraulic loading multiplied by the max day flow for 2016 .				

Based on Table 4 and the fact that PAW production staff has not visually identified any overflows, the lift stations are not currently hydraulically overloaded nor are they projected to be within two years.

The lift stations are in good structural condition. The lift stations are checked and run times are recorded usually five (5) days of the week. Pumps are greased weekly. The generators are checked and run times are recorded weekly. Wet wells are checked weekly. In addition to preventative maintenance, the following work was performed:

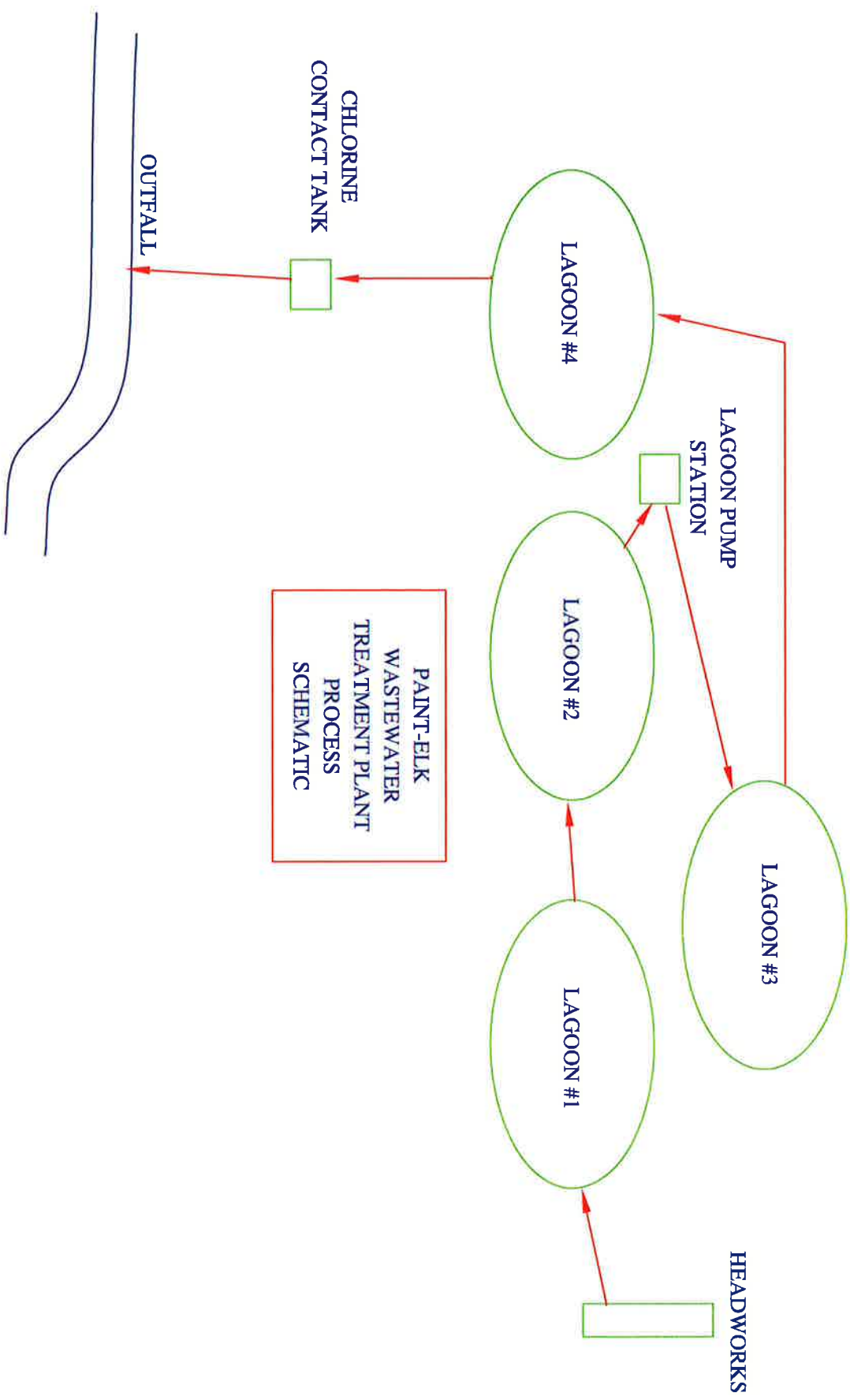
- Maple Drive Lift Station
 - Replaced a pump
- Riverhill Lift Station

- Routine maintenance on generator
- SR 66 Lift Station
 - None

11. Calibration Reports

The calibration report for the effluent flow measuring device at the WWTP is located in the Appendix. The effluent meter was calibrated on **12-19-2016**.

APPENDIX A
WWTF PROCESS DIAGRAM



APPENDIX B
CALIBRATION REPORTS FOR FLOW METERS



TOTAL INSTRUMENT MAINTENANCE

423 Stoneybrook Drive
Elizabeth, PA 15037

FIELD CALIBRATION CERTIFICATE

NOTE: This is a multi-part form. For legible copies, please press firmly when entering data.

Certificate No CC T.I.M.-1914

Customer Information: _____ Ref PO No _____

Company Pa American Water

Site Address 279 CAA Lane

City Clasgow State: Pa. Zip 16214

Contact Information:

Name Bob Larson

Title Supv.

Street Address Same as above

City _____ State: _____ Zip _____

Tel [] _____

Instrument Data:

Description Point EIK Flow xmt

Manufacturer Magnetrol Model No. STI 341

Serial No. N/A Tag No. _____

Calibration Data:

Units of Measurement

- 1. 4-20 MADG 6. _____
- 2. _____ 7. _____
- 3. _____ 8. _____
- 4. _____ 9. _____
- 5. _____ 10. _____

Test Equipment:

- 1. Fluke 8060 A D.V.D.M.
- 2. _____
- 3. _____
- 4. _____
- 5. _____

Reference Data:

Ambient temperature (°F): 39°

Relative Humidity (%) _____

The instrumentation described above has been accurately calibrated under ambient conditions in accordance with the Manufacturer's documented procedures and specification. The test equipment used is calibrated and is traceable to the National Institute of Standards and technology.

Calibrated by:

Jim Pugh
NAME

19 Dec 2016
DATE

APPENDIX C
CERTIFICATIONS AND TRAINING TRANSCRIPTS FOR
OPERATORS

Commonwealth of Pennsylvania

Department of Environmental Protection

*In accordance with the
State Board for Certification of Water and Wastewater Systems Operators
and the Regulations of the
Department of Environmental Protection*

DANA L MCCLAIN

Is Hereby Authorized to Operate
WASTEWATER SYSTEM

Class: A,E, Wastewater
Subclass: 1,2,3,4

Client ID: 198127

DANA L MCCLAIN
598 STONEY LONESOME RD
CLARION PA 16214

Issue Date Jul 01, 2015
Expiration Date Jun 30, 2018

Certificate No. T2378


Board Chairman

EarthWise Academy Transcript

Wastewater Certification Courses

198127 DANA MCCLAIN
598 STONEY LONESOME RD
CLARION, PA 16214

Wednesday, March 15, 2017 9:04:45 AM

Cycle Start Date: 7/1/2015

Certification Expires: 6/30/2018

Course ID	Course Name	Completion Date	Contact Hours
6951	Septage and Toxicity in Wastewater	11/17/2015	3.0
6950	Odor Production, Prevention and Control in Wastewater	11/17/2015	3.0
5016	Heartsaver First Aid with CPR/AED training	3/17/2016	4.0
Total Contact Hours:			10.0
Note: You have completed the DEP-required system security course.			

Commonwealth of Pennsylvania

Department of Environmental Protection

*In accordance with the
State Board for Certification of Water and Wastewater Systems Operators
and the Regulations of the
Department of Environmental Protection*

FRED L KLINGLER

Is Hereby Authorized to Operate
WASTEWATER SYSTEM

Class: A,E, Wastewater
Subclass: 1,2,3,4

Client ID: 205668

FRED L KLINGLER
94 S JEFFERSON PL
CLARION PA 16214-1315

Issue Date Apr 01, 2015
Expiration Date Mar 31, 2018



Board Chairman

Certificate No. S12012

EarthWise Academy Transcript

Wastewater Certification Courses

205668 FRED KLINGLER
94 S JEFFERSON PL
CLARION, PA 16214-1315

Wednesday, March 15, 2017 9:06:14 AM

Cycle Start Date: 4/1/2015

Certification Expires: 3/31/2018

Course ID	Course Name	Completion Date	Contact Hours
6650	Chlorine Safety	5/13/2015	2.0
6108	Wastewater Laboratory Skills	12/15/2015	5.0
5016	Heartsaver First Aid with CPR/AED training	3/23/2016	4.0
Total Contact Hours:			11.0
Note: You have completed the DEP-required system security course.			

Commonwealth of Pennsylvania

Department of Environmental Protection

*In accordance with the
State Board for Certification of Water and Wastewater Systems Operators
and the Regulations of the
Department of Environmental Protection*

DAVID O BOHLANDER

Is Hereby Authorized to Operate
WASTEWATER SYSTEM

Class: A,E, Wastewater
Subclass: 1,2,3,4,5

Client ID: 288704

DAVID O BOHLANDER
553 CORBETT LN
CLARION PA 16214-7011

Issue Date Feb 11, 2015
Expiration Date Dec 31, 2017

Certificate No. S17076



Board Chairman

EarthWise Academy Transcript

Wastewater Certification Courses

288704 DAVID BOHLANDER
553 CORBETT LN
CLARION, PA 16214-7011

Wednesday, March 15, 2017 9:06:48 AM

Cycle Start Date: 1/1/2015

Certification Expires: 12/31/2017

Course ID	Course Name	Completion Date	Contact Hours
6950	Odor Production, Prevention and Control in Wastewater	11/17/2015	3.0
6951	Septage and Toxicity in Wastewater	11/17/2015	3.0
1830	Pumps	2/16/2016	6.0
5016	Heartsaver First Aid with CPR/AED training	3/23/2016	4.0
6056	Troubleshooting the Activated Sludge Process with a Microscope	10/25/2016	3.0
3019	Activated Sludge: Settleability Problems and Loss of Solids	10/25/2016	3.0

Total Contact Hours: 22.0

Note: You have completed the DEP-required system security course.

Commonwealth of Pennsylvania

Department of Environmental Protection

*In accordance with the
State Board for Certification of Water and Wastewater Systems Operators
and the Regulations of the
Department of Environmental Protection*

RICHARD C WEBB

Is Hereby Authorized to Operate
WASTEWATER SYSTEM

Class: A,E, Wastewater
Subclass: 3,4

Client ID: 193237

RICHARD C WEBB
441 PEG A NAL RD
CRANBERRY PA 16319-2703

Issue Date Oct 01, 2015
Expiration Date Sep 30, 2018

Certificate No. S16282


Board Chairman

EarthWise Academy Transcript

Wastewater Certification Courses

193237 RICHARD WEBB
441 PEG A NAL RD
CRANBERRY, PA 16319-2703

Wednesday, March 15, 2017 9:07:32 AM

Cycle Start Date: 10/1/2015

Certification Expires: 9/30/2018

Course ID	Course Name	Completion Date	Contact Hours
6108	Wastewater Laboratory Skills	12/15/2015	5.0
1830	Pumps	2/16/2016	6.0
887	Wastewater Operator Math	3/9/2016	6.0
5016	Heartsaver First Aid with CPR/AED training	3/17/2016	4.0

Total Contact Hours: 21.0

Note: You have completed the DEP-required system security course.

Water Certification Courses

193237 RICHARD WEBB
441 PEG A NAL RD
CRANBERRY, PA 16319-2703

Wednesday, March 15, 2017 9:07:32 AM

Cycle Start Date: 4/1/2016

Certification Expires: 3/31/2019

No matching course

Note: You have completed the DEP-required system security course.

APPENDIX D
TOOL AND EQUIPMENT LIST

**PAWC PAINT-ELK WASTEWATER
2016 WASTEWATER TREATMENT PLANT EQUIPMENT INVENTORY**

LOCATION	EQUIPMENT
CONTROL BUILDING	HOT TAP MACHINE
CONTROL BUILDING	25 FT 5/8" GARDEN HOSE
CONTROL BUILDING	25 FT 5/8" GARDEN HOSE
CONTROL BUILDING	GOULDS DITCH PUMP #EP0411A
CONTROL BUILDING	AIR TANK 5 GAL.
CONTROL BUILDING	25 FT 3/8" AIR HOSE
CONTROL BUILDING	DAYTON HAND CART (650 LB CAPACITY) MODEL #2W1790
CONTROL BUILDING	COLEMAN COOLER
CONTROL BUILDING	6 FT. ALUMINUM STEP LADDER
CONTROL BUILDING	5 TON HYDRAULIC BOTTLE JACK
CONTROL BUILDING	YALE 1/2 TON CHAIN FALLS WITH EXTRA CHAIN
CONTROL BUILDING	2" SQUARE TUBE HITCH MOUNT BOOM
CONTROL BUILDING	GA52CX SCHONSTEDT MAGNETIC LOCATOR
CONTROL BUILDING	GOLDAK PIPE LOCATOR
CONTROL BUILDING	CHLORINE EMERGENCY REPAIR KIT
CONTROL BUILDING	FISHER SCIENTIFIC CL2 TESTER
CONTROL BUILDING	PH TESTER
CONTROL BUILDING	PH BUFFER KIT
CONTROL BUILDING	YSI 550A DO TESTER
CONTROL BUILDING	BENZOMATIC TORCH
CONTROL BUILDING	PROPANE RADIANT HEATER 8K TO 14K BTU
CONTROL BUILDING	115 VOLT CERAMIC SPACE HEATER
CONTROL BUILDING	MANHOLE CONE LIFT
CONTROL BUILDING	TRIPOD WINCH RECOVERY SYSTEM
CONTROL BUILDING	15 FT SLUDGE JUDGE
CONTROL BUILDING	MANHOLE COVER PICKS
CONTROL BUILDING	6 FT SPUD BAR
CONTROL BUILDING	MISC. HAND TOOLS AND VALVE WRENCHES AND TOOL BOX
CONTROL BUILDING	LUFKIN MEASURING WHEEL
CONTROL BUILDING	JET WASH SEWER JETTER TRAILER - AQUATECH SJ600E AND ACCESSORIES
CONTROL BUILDING	MISC. MECHANICS TOOLS
CONTROL BUILDING	MISC. ELECTRICAL TOOLS AND TESTERS

APPENDIX E
COLLECTION SYSTEM SUMMARY TABLE

**Pennsylvania American Water - Paint-Elk Wastewater System Collection System
Summary**

	2014	2015	2016	TOTALS
Sanitary Sewer Overflows and bypasses	0	0	0	0
Basement flooding/back-up	0	0	0	0
Sanitary sewer blockage	1	1	0	2
Sanitary sewer pipe breaks	0	0	0	0
Service lateral blockages	0	0	0	0
Service lateral breaks	0	0	0	0
Service complaints	4	1	0	5
Sewer Mains (LF)				0
Rehab (lining or pipe bursting)	0	0	0	0
Replace	0	0	0	0
Smoke Testing	0	0	0	0
Cleaning	0	0	0	0
CCTV	0	0	61,457	61,457
New (Extensions)	0	0	0	0
Manholes (EA)				0
- Rehab	0	0	0	0
- Replace	0	0	0	0
- New Install	0	0	0	0
Service laterals (EA)				0
- Replace	1	0	0	1
- New	1	0	0	1



CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT REPORT

PENNSYLVANIA AMERICAN WATER
SHIPPENVILLE WASTEWATER TREATMENT PLANT AND
COLLECTION SYSTEM

NPDES PERMIT: PA0103276

OPERATING YEAR: 2016



PERMITEE SIGNATURE: Mark A. Smith

Mark A. Smith, Superintendent - Operations
Pennsylvania American Water

REPORT PREPARER SIGNATURE: Jed A. Fiscus

Jed A. Fiscus, P.E., Senior Project Engineer
Pennsylvania American Water

Report Summary and Index

The purpose of the Municipal Wasteload Management Report is to provide the Pennsylvania Department of Environmental Protection (PaDEP) with information for a review of the load on the wastewater facilities and to insure that there is sufficient time to plan and construct needed additions. This report includes information on all collection systems tributary to the treatment plant. In accordance with Section 94.12, Annual Report, of the PaDEP Rules and Regulations, the report includes the following:

- 1. Introduction**
- 2. Hydraulic Loading (§94.12(a)1)**
- 3. Organic Loading (§94.12(a)2)**
- 4. Basis of Loading Projections (§94.12(a)3)**
- 5. Projected Overload Conditions (§94.12(a)1) and (§94.12(a)2)**
- 6. Industrial Waste Report (§94.12(a)8)**
- 7. Collection System Extensions (§94.12(a)4)**
- 8. Wastewater Facilities Monitoring, Maintenance, Repair and Rehabilitation (§94.12(a)5)**
- 9. Condition of Collection System (§94.12(a)6)**
- 10. Condition of Lift Stations (§94.12(a)7)**
- 11. Calibration Report**

APPENDIX

- A. Calibration Reports for Flow Meters
- B. Certifications and Training Transcripts for Operators
- C. Collection System Summary Table

1. Introduction

Pennsylvania American Water (PAW) owns and operates the Shipperville Wastewater System that consists of a 0.050 MGD Wastewater Treatment Plant (WWTP), one (1) lift station, and collection and conveyance sewers necessary to service the borough of Shipperville and a small portion of Elk Township. PAW acquired the Shipperville system on August 4, 2015.

The collection system serves Shipperville Borough and a small portion Elk Township. The PAWC Shipperville collection system consists of approximately 21,500 LF of 6" and 8" gravity pipe and approximately 97 manholes. The majority of the collection system piping is PVC pipe, while the vast majority of the manholes are pre-cast concrete.

The WWTP is operated under NPDES Permit PA0103276. The NPDES permit was renewed on January 1, 2017 and expires on December 31, 2021. The WWTP consists of a headworks with manual bar screen, an oxidation ditch, circular clarifier, and sludge holding tank. Disinfection is achieved with a chlorine feed system and chlorine contact tank. The Shipperville WWTP is located at SR 208, Shipperville, PA 16254.

Upon acquisition of the Shipperville WW system, PAW entered into a Consent Order and Agreement (COA) with PaDEP due to multiple effluent violations that occurred at the Shipperville WWTP prior to acquisition. Act 537 planning was completed and the recommended alternative to solve the issues at the WWTP was to construct a sewer extension to the Paint-Elk WWTP. A lift station is proposed at the site of the Shipperville WWTP and a force main will be extended from the lift station to the Paint-Elk WW collection system. This project is currently under construction and is estimated to be in service in the third quarter of 2017. Therefore, it is anticipated that the 2017 Chapter 94 report for the Shipperville WW system will only be for a portion of 2017 and should be the final Ch. 94 report for the

Shipperville WW system. The Shipperville WW system will become an extension of the Paint-Elk WW system upon completion of the interconnection project.

2. Hydraulic Loading (§94.12(a)1)

The hydraulic loading graph (Graph 1) illustrates the hydraulic loading on the treatment plant plotted from average daily flows for each month from **2012** to **2016** and the hydraulic loading approved by the National Pollutant Discharge Elimination System (NPDES) permit.

Table 1 provides a list of the average daily flows for each month from **2012** to **2016** with the annual average daily flow and 3-month maximum consecutive average daily flow for each year.

Graph 1: Hydraulic Loadings

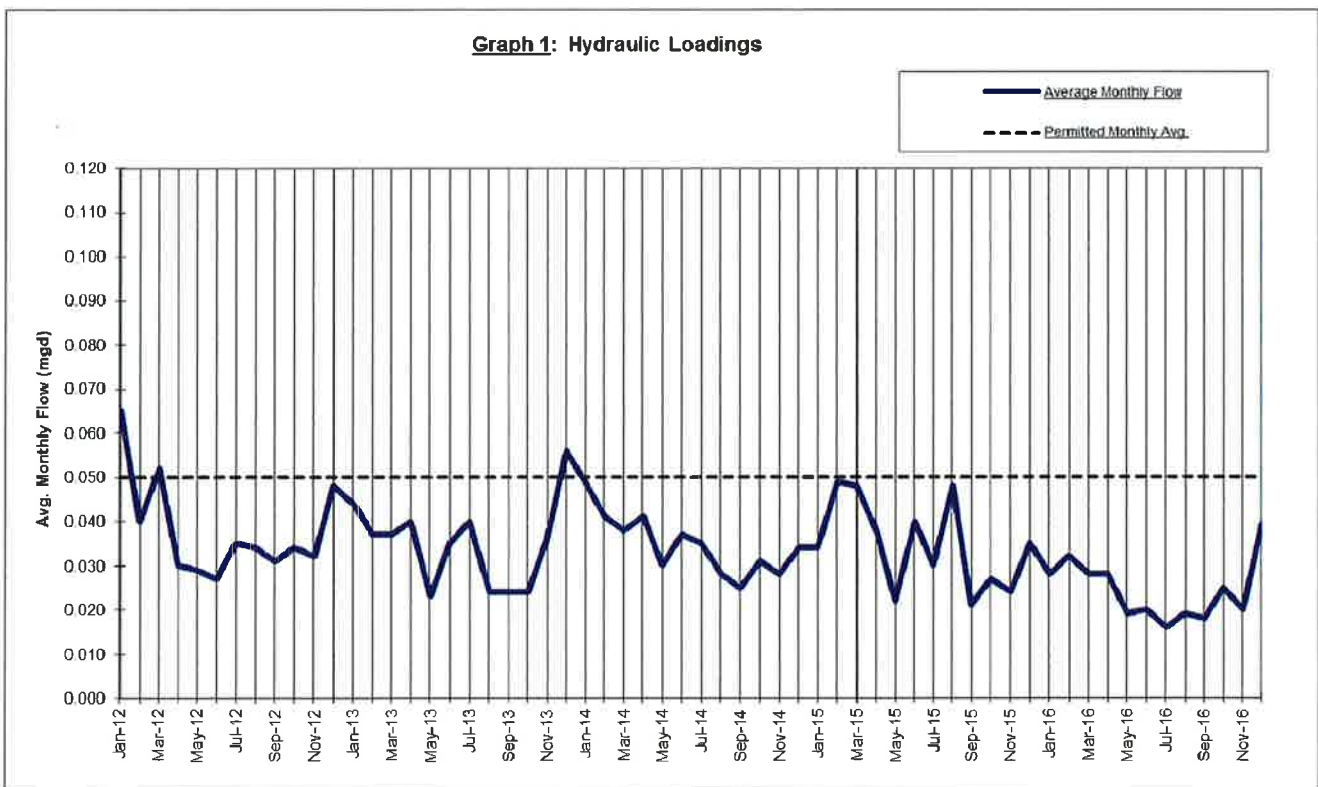


TABLE 1
HYDRAULIC LOADING

Month	2012***	2013***	2014***	2015***	2016	5-YR AVG
January	0.065	0.044	0.049	0.034	0.028	0.044
February	0.040	0.037	0.041	0.049	0.032	0.040
March	0.052	0.037	0.038	0.048	0.028	0.041
April	0.030	0.040	0.041	0.038	0.028	0.035
May	0.029	0.023	0.030	0.022	0.019	0.025
June	0.027	0.035	0.037	0.040	0.020	0.032
July	0.035	0.040	0.035	0.030	0.016	0.031
August	0.034	0.024	0.028	0.048	0.019	0.031
September	0.031	0.024	0.025	0.021	0.018	0.024
October	0.034	0.024	0.031	0.027	0.025	0.028
November	0.032	0.036	0.028	0.024	0.020	0.028
December	0.048	0.056	0.034	0.035	0.039	0.042
Min	0.027	0.023	0.025	0.021	0.016	0.022
Avg	0.038	0.035	0.035	0.035	0.024	0.033
Max	0.065	0.056	0.049	0.049	0.039	0.052
3 Month Max *	0.052	0.039	0.043	0.045	0.029	0.042
Flow Peaking Factor **	1.374	1.124	1.228	1.298	1.205	1.251
* : Represents the average of the three highest consecutive month's flows.						
** : Calculated by dividing the maximum 3-month average flow by the average annual flow						
*** : PAW Acquired system in August 2015. Data prior to August 2015 is taken from information provided by Shipperville Borough.						

Based on the information in Table 1, the average ratio of maximum month to average loading (peaking factor) for Years **2012 to 2016** is **1.251**.

3. Organic Loading (§94.12(a)2)

The organic loading graph (Graph 2) illustrates the organic loading on the plant plotted from average daily loadings for each month from **2012 to 2016** and the organic loading approved by the NPDES permit.

Table 2 provides a list of the average daily organic loadings for each month from **2012 to 2016** and the annual average load and maximum monthly load for each year. Based on the information in Table 2, the average ratio of maximum month to average loading (peaking factor) for Years **2012 to 2016** is **1.87**.

The loading is calculated by multiplying the average daily flow by the influent BOD.

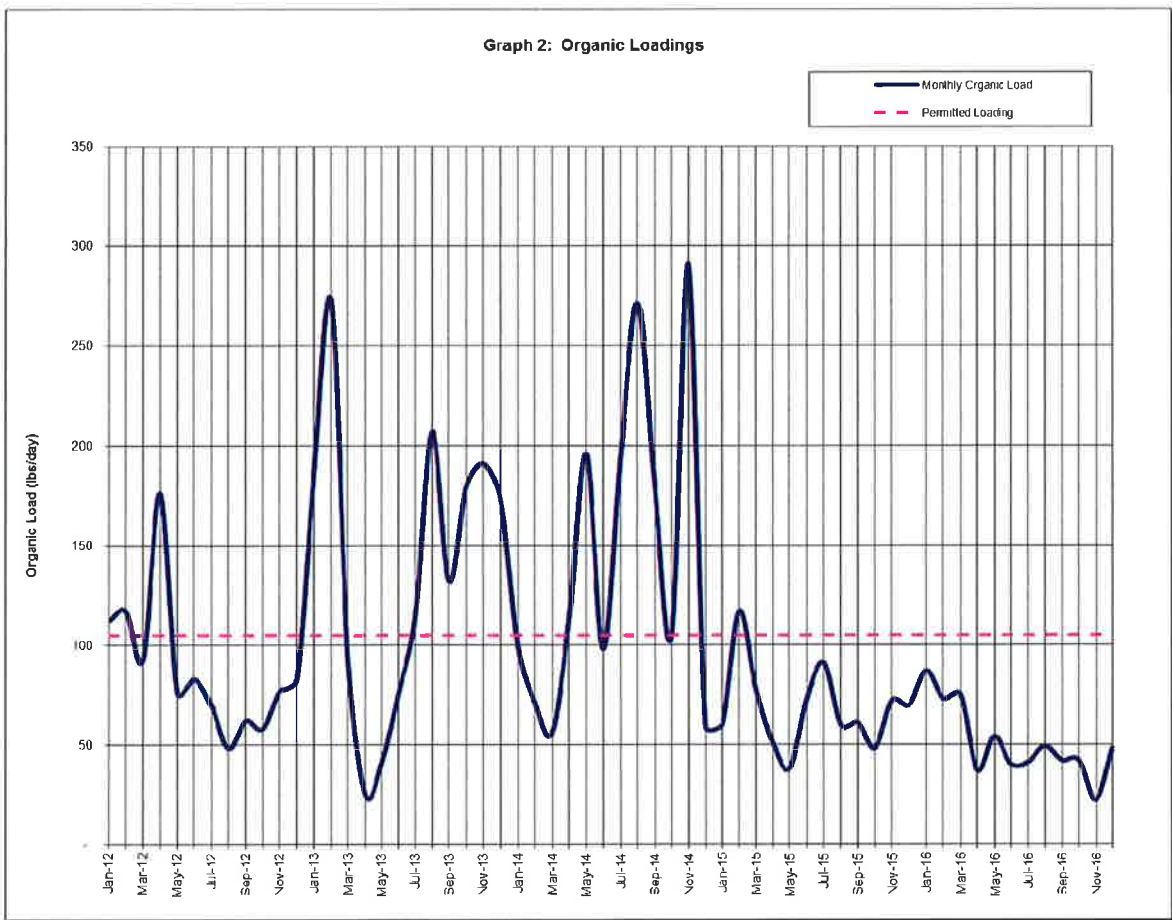


TABLE 2
ORGANIC LOADING

Month	2012**	2013**	2014**	2015**	2016	5-YR AVG
January	112	187	99	60	87	109
February	117	272	71	117	73	130
March	93	92	56	78	75	79
April	176	25	113	51	37	80
May	76	41	196	38	54	81
June	83	76	98	73	40	74
July	70	114	194	91	41	102
August	48	207	271	60	49	127
September	62	132	181	61	42	96
October	58	179	105	48	42	86
November	77	191	291	72	22	131
December	83	173	59	70	48	87
Min (lbs/d)	48	25	56	38	22	38
Avg (lbs/d)	88	141	145	68	51	98
Max (lbs/d)	176	272	291	117	87	189
Avg (mg/l)	277	482	499	236	250	354
Peaking Factor *	2.00	1.93	2.01	1.71	1.71	1.87
* : Calculated by dividing the maximum month loading by the average annual loading						
*** : PAW Acquired system in August 2015. Data prior to August 2015 is taken from information provided by Shipperville Borough.						

4. Basis of Loading Projections (§94.12(a)3)

In an effort to determine future hydraulic and organic loadings to the plant, a forecast of future population served was determined for Years **2017** to **2021**. This report assumes the completion of the interconnection of the Shipperville system to the Paint-Elk system in **2017** along with the retirement of the Shipperville WWTP. The projected EDUs within the Shipperville system are projected to be 8 EDUs per year as shown on the graph on page 12 of the approved 2012 Act 537 Plan for Shipperville.

The hydraulic load is based on 400 gal/day/EDU. The organic load is based on 0.17 lbs/day/person x 2.38 persons per EDU. The 2.38 persons per EDU are based on the population density of persons per household from the 2010 census data for Shipperville Borough.

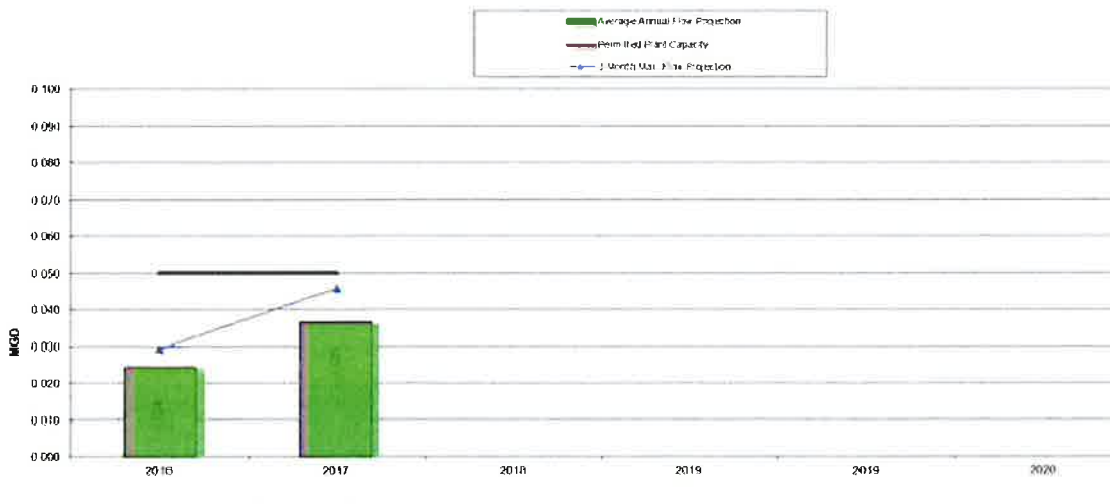
Table 3 depicts the estimated number of additional EDUs served and respective hydraulic and organic loads anticipated for the next five years. These additional annual hydraulic and organic loadings were added to the five-year annual average daily hydraulic and organic loading in order to approximate the loadings at the PAW Shipperville Wastewater Treatment Plant for the next five years (**2017 - 2021**). The projected 3-consecutive maximum monthly flows were calculated utilizing the average ratio over the past five years of the 'Average 3 month maximum flows' to the 'Average Monthly Flows'. That ratio was multiplied by the projected average annual flow to calculate the 3-consecutive maximum monthly flow. The maximum monthly loading was also determined based on the average ratio of maximum month loadings to average loadings, times the projected average loading. The results are also depicted on Graphs 3 and 4.

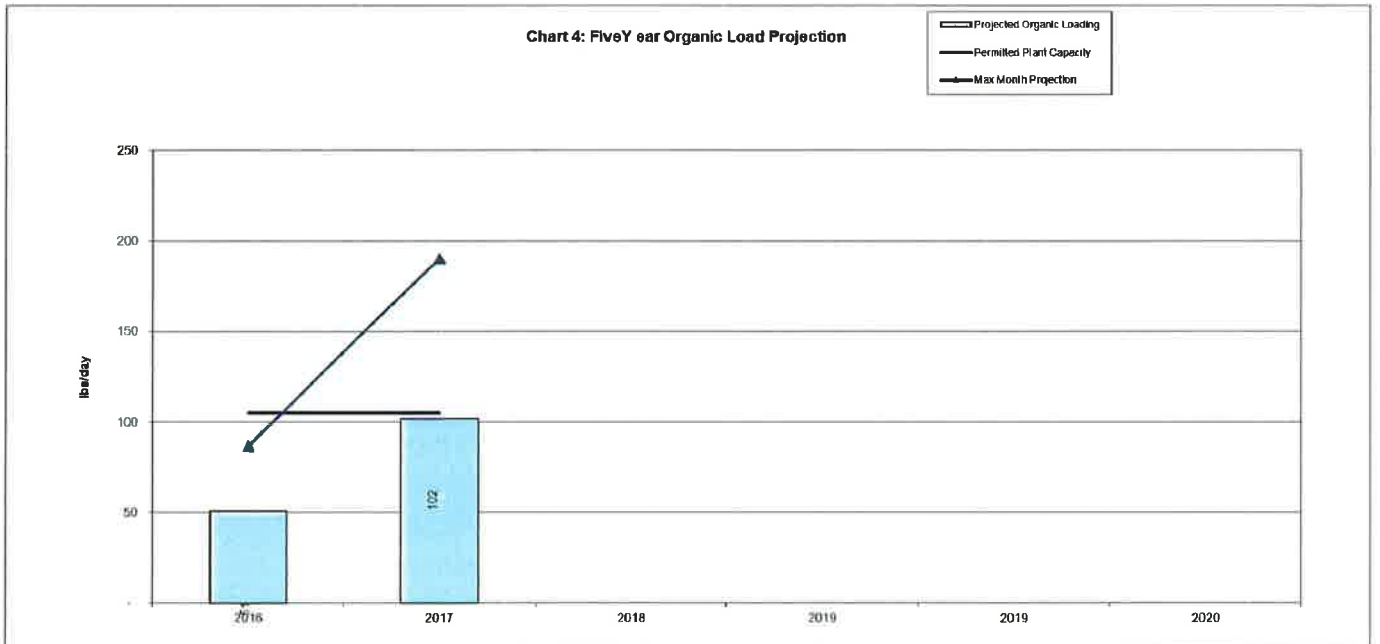
TABLE 3
ESTIMATED POPULATION GROWTH, HYDRAULIC LOADING
AND ORGANIC LOADING

Year	Additional EDUs	Average Annual Flow (gpd)	3-Consecutive maximum Monthly Flow (gpd) ¹	Average Load (lbs/day)	Maximum Monthly Load (lbs/day)
2016		24,333	29,333	51	87
2017	8	36,567	45,736	102	191
2018	0	0	0	-	0
2019	0	0	0	-	0
2019	0	0	0	-	0
2020	0	0	0	-	0

(1) Years **2017** through **2021** are based on the average ratio of the past five (5) years between average annual loads and maximum loads

Graph 3: Five Year Hydraulic Projection





5. Projected Overload Conditions

Chapter 94 defines a hydraulic overload as the condition that occurs when the monthly average flow entering a plant exceeds the hydraulic design capacity for 3-consecutive months out of the preceding 12 months or when the flow in a portion of the sewer system exceeds its hydraulic carrying capacity. In accordance with accepted Chapter 94 methodology, the Shippenville system is not hydraulically overloaded.

Chapter 94 defines an organic overload as the condition that occurs when the monthly average organic loading entering a plant exceeds the organic design capacity for one month out of the preceding 12 months. In accordance with accepted Chapter 94 methodology, the Shippenville system is not organically overloaded.

6. Industrial Waste Report

PAW's PUC approved tariff provides for the regulation of sanitary sewer waste which includes a provision on industrial waste discharge to PAW's system.

The Shippenville system does not currently have any industrial user that discharges industrial waste to the system. A service application is required for connection to PAW's system. PAW reviews the applications for potential industrial users. No additional industrial users were connected to the system in Year **2016**.

7. Collection System Extensions

No extensions were completed in **2016** and no connections were made to the system in **2016**.

8. Wastewater Facilities Monitoring, Maintenance, Repair and Rehabilitation

PAW is responsible for the operation and maintenance of one 0.050 MGD wastewater treatment plant, one wastewater lift station, and collection and conveyance sewers serving Shipperville Borough and a small portion of Elk Township in Clarion County.

The Shipperville WW system is operated by the PAW Clarion WW staff. The local Clarion production staff of PAW consists of a Wastewater Supervisor, Lead Operator and three additional Operators. The certified operators' certificates and training transcripts are attached in the Appendix. The three operators work 8 hour days Monday through Friday and one operator works 3 hour days Saturday through Sunday.

The Shipperville system was acquired in August of 2015. Since the acquisition, flow monitoring has been completed and I/I has been identified as occurring within the system. PAW will continue to monitor the system for I/I and take the necessary remedial action as required.

Sampling continues in accordance with Part A, of the NPDES permit.

The NPDES requirements are listed below:

<u>Parameter</u>	<u>Frequency</u>	<u>Sample Type</u>
Total Flow	Continuous	Measured
CBOD5	Two/Month	8 hour composite
BOD5 – Influent	Two/Month	8 hour composite
Total Suspended Solids	Two/Month	8 hour composite

Total Suspended Solids (influent)	Two/Month	8 hour composite
Fecal Coliform	Two/Month	Grab
pH	1/Day	Grab
Total Residual Chlorine	1/Day	Grab
Fecal Coliform	Two/Month	Grab
Ammonia-Nitrogen	1/month	8 hour composite

Monthly operational reports are submitted by PAW as required to the PaDEP and the U.S. Environmental Protection Agency. In addition to the influent/effluent sampling, PAW personnel check the plant daily, grease equipment either weekly or monthly, change the oil for equipment yearly, clean the air filters and blowers yearly and perform general housekeeping to keep the facilities clean. PAW performed the following repairs in **2016** at the Shipperville WWTP:

- Replaced speed reducer on clarifier
- Replaced RAS pump

The PAW operators, in accordance with the PUC approved Tariff; inspect all new sewer connections to insure that no sources of storm water have been connected to the sanitary sewer. When necessary PAW contracts the services of resident inspectors for inspection of sewer extensions proposed by PAW and for developer extensions to insure the extensions are constructed in accordance with the PUC approved tariff and bidding documents.

Monitoring includes inspection of the wastewater collection and conveyance system to resolve problems as they are identified. Manholes are monitored to identify lines that contribute to I/I problems.

Preventive maintenance consists of both inside and outside house-keeping. Equipment maintenance includes cleaning, lubrication, routine inspection of all pumps and apparatus and implementation of proper maintenance procedures for all specific plant units. Records are kept of all maintenance, inspection and repairs. PAW has contracts in place with several contractors to provide maintenance services. PAW also has its own internal maintenance services division. If a problem arises that PAW personnel need assistance to address, local contractors are available and under contract to assist with any emergencies. Below is a list of a few of the contractors that are available to PAW:

- ❖ Bruce and Merrilees (Electrical)
- ❖ Crane America (Cranes and Hoists)
- ❖ Daman Superior (Pumps)
- ❖ Mealy Excavating and Construction, Inc. (Emergency Repairs)
- ❖ Pipe-Eye Sewer Services, Inc. (pipeline cleaning and televising and vacuum services for tanks and wet wells)

9. Condition of Sewer System

The general condition of the interceptors, conveyance, and collection sewer lines maintained by PAW varies with the newer sections being in better condition. The vast majority of the system was constructed in 1988 and consists of PVC pipe and precast concrete manholes. PAW will continue to monitor and inspect the system and take remedial action as required.

10. Condition of Wastewater Lift Stations

PAW operated and maintained one lift station on the collection system in **2016**. The lift station has a pressurized force main that connects to the gravity system.

The SR 208 North lift station is situated along Route 208 near the Borough line. The lift station, constructed in 1998, contains two (2) grinder pumps. The maximum pumping rate is 46 gpm. The lift station serves seven (7) residences. The 2010 U.S. Census states the Borough to have a per capita of 2.38. Assume 100 gpd/cap per the Department's Domestic Wastewater Facilities Manual.

$$2.38 \text{ cap} \times 100\text{gpd} = 238 \text{ gpd/cap}$$

$$238 \text{ gpd/cap} \times 7 \text{ residences} = 1,666 \text{ gpd or } 1.16 \text{ gpm}$$

$$1.16 \text{ gpm} \times 2.5 \text{ "peaking factor"} = 2.9 \text{ gpm}$$

There is no metering of run time or flow at the lift station therefore additional information is not available. The lift station is visited daily during the work week for routine inspection.

Since 2.9 gpm is well below the rated capacity of the pumps and no EDUs are anticipated to be added to the lift station, the lift station is not anticipated to be overloaded in the next five (5) years.

Pumps are greased weekly and the wet well is checked weekly. In addition to preventative maintenance, the following work was performed:

- SR 208 North Lift Station
 - Replaced pumps

11. Calibration Reports

The calibration report for the effluent flow measuring device at the WWTP is located in the Appendix. The effluent meter was calibrated on **12-19-2016**.

APPENDIX A
CALIBRATION REPORTS FOR FLOW METERS

Customer Service Report
Total Instrument Maintenance
 423 Stoneybrook Drive • Elizabeth, PA 15037
 412-384-3818

TIM

INVOICE # T.I.M.-1914

BILL TO ADDRESS Pac American Water 279 CAA Lane Clanton, Pa 16214	SITE ADDRESS Main Plant Strattonville Paint Elk + Shippensville PHONE # _____ / _____
---	--

REQUESTED SERVICE: Yearly calibrations

PO # / SO # _____ MODEL # <u>ISCO</u> SERIAL # _____	OTHER _____ _____ _____
--	-------------------------------

DESCRIPTION / CAUSE OF PROBLEM:	QTY	PART/PRODUCT NUMBER	AMOUNT
<u>See above</u>			

CORRECTIVE ACTION / WORK PERFORMED: Cleaned, checked + calibrated the Plant Influent + Effluent flow xmts, at the Main Plant, Did the Strattonville flow converter, The Paint Elk Effluent Ultrasonic flow xmt, + recorder / totalizer. Did the Shippensville Effluent Ultrasonic flow xmt, + recorder / totalizer.

<u>Checked outputs + indications at 0-25-50-75-90-96. No adjustments needed</u>	[A] PARTS TOTAL	➤	
	LABOR (REG)	HRS @ /HR	
	LABOR (O.T.)	HRS @ /HR	
	TRAVEL	HRS @ /HR	
	[B] LABOR TOTAL	➤	<u>\$686.00</u>
	EXPENSES (TOLLS, ROOMS, MEALS)		
	MILEAGE	MILES @ /MILE	
	AIR AND/OR CAR RENTAL		
	[C] EXPENSE TOTAL	➤	
	[D] SHIPPING CHARGES	➤	
	TOTAL [A] + [B] + [C] + [D]	➤	<u>686.00</u>

FUTURE ACTION/WORK REQUIRED: YES NO % COMP 100

C. A. CODE [] []
 SALES TAX OR TAX ID # [] []
 COUNTY TAX OR TAX ID # [] []

TERMS: NET 30 DAYS **FINAL AMOUNT DUE** ➤ \$686.00

I HEREBY ACCEPT AND APPROVE ALL WORK AS DEFINED ABOVE.

<u>Popolyska</u> TECH (PRINT)	<u>Jim Puff</u> TECH (SIGNATURE)	<u>12/19/16</u> DATE	<u>Bob Larson (CP)</u> CUSTOMER (PRINT)	_____ CUSTOMER (SIGNATURE)	_____ DATE
----------------------------------	-------------------------------------	-------------------------	--	-------------------------------	---------------

APPENDIX B
CERTIFICATIONS AND TRAINING TRANSCRIPTS FOR
OPERATORS

Commonwealth of Pennsylvania

Department of Environmental Protection

*In accordance with the
State Board for Certification of Water and Wastewater Systems Operators
and the Regulations of the
Department of Environmental Protection*

DANA L MCCLAIN

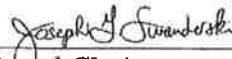
Is Hereby Authorized to Operate
WASTEWATER SYSTEM

Class: A,E, Wastewater
Subclass: 1,2,3,4

Client ID: 198127

DANA L MCCLAIN
598 STONEY LONESOME RD
CLARION PA 16214

Issue Date Jul 01, 2015
Expiration Date Jun 30, 2018


Board Chairman

Certificate No. T2378

EarthWise Academy Transcript

Wastewater Certification Courses

198127 DANA MCCLAIN
598 STONEY LONESOME RD
CLARION, PA 16214

Wednesday, March 15, 2017 9:04:45 AM

Cycle Start Date: 7/1/2015

Certification Expires: 6/30/2018

Course ID	Course Name	Completion Date	Contact Hours
6951	Septage and Toxicity in Wastewater	11/17/2015	3.0
6950	Odor Production, Prevention and Control in Wastewater	11/17/2015	3.0
5016	Heartsaver First Aid with CPR/AED training	3/17/2016	4.0
Total Contact Hours:			10.0
Note: You have completed the DEP-required system security course.			

Commonwealth of Pennsylvania

Department of Environmental Protection

*In accordance with the
State Board for Certification of Water and Wastewater Systems Operators
and the Regulations of the
Department of Environmental Protection*

FRED L KLINGLER

Is Hereby Authorized to Operate
WASTEWATER SYSTEM

Class: A,E, Wastewater
Subclass: 1,2,3,4

Client ID: 205668

FRED L KLINGLER
94 S JEFFERSON PL
CLARION PA 16214-1315

Issue Date Apr 01, 2015
Expiration Date Mar 31, 2018



Board Chairman

Certificate No. S12012

EarthWise Academy Transcript

Wastewater Certification Courses

205668 FRED KLINGLER
94 S JEFFERSON PL
CLARION, PA 16214-1315

Wednesday, March 15, 2017 9:06:14 AM

Cycle Start Date: 4/1/2015

Certification Expires: 3/31/2018

Course ID	Course Name	Completion Date	Contact Hours
6650	Chlorine Safety	5/13/2015	2.0
6108	Wastewater Laboratory Skills	12/15/2015	5.0
5016	Heartsaver First Aid with CPR/AED training	3/23/2016	4.0
Total Contact Hours:			11.0
Note: You have completed the DEP-required system security course.			

Commonwealth of Pennsylvania

Department of Environmental Protection

*In accordance with the
State Board for Certification of Water and Wastewater Systems Operators
and the Regulations of the
Department of Environmental Protection*

DAVID O BOHLANDER

Is Hereby Authorized to Operate
WASTEWATER SYSTEM

Class: A,E, Wastewater
Subclass: 1,2,3,4,5

Client ID: 288704

DAVID O BOHLANDER
553 CORBETT LN
CLARION PA 16214-7011

Issue Date Feb 11, 2015
Expiration Date Dec 31, 2017

Certificate No. S17076


Board Chairman

EarthWise Academy Transcript

Wastewater Certification Courses

288704 DAVID BOHLANDER
553 CORBETT LN
CLARION, PA 16214-7011

Wednesday, March 15, 2017 9:06:48 AM

Cycle Start Date: 1/1/2015

Certification Expires: 12/31/2017

Course ID	Course Name	Completion Date	Contact Hours
6950	Odor Production, Prevention and Control in Wastewater	11/17/2015	3.0
6951	Septage and Toxicity in Wastewater	11/17/2015	3.0
1830	Pumps	2/16/2016	6.0
5016	Heartsaver First Aid with CPR/AED training	3/23/2016	4.0
6056	Troubleshooting the Activated Sludge Process with a Microscope	10/25/2016	3.0
3019	Activated Sludge: Settleability Problems and Loss of Solids	10/25/2016	3.0

Total Contact Hours: 22.0

Note: You have completed the DEP-required system security course.

Commonwealth of Pennsylvania

Department of Environmental Protection

*In accordance with the
State Board for Certification of Water and Wastewater Systems Operators
and the Regulations of the
Department of Environmental Protection*

RICHARD C WEBB

Is Hereby Authorized to Operate
WASTEWATER SYSTEM

Class: A,E, Wastewater
Subclass: 3,4

Client ID: 193237

RICHARD C WEBB
441 PEG A NAL RD
CRANBERRY PA 16319-2703

Issue Date Oct 01, 2015
Expiration Date Sep 30, 2018

Certificate No. S16282


Board Chairman

EarthWise Academy Transcript

Wastewater Certification Courses

193237 RICHARD WEBB
441 PEG A NAL RD
CRANBERRY, PA 16319-2703

Wednesday, March 15, 2017 9:07:32 AM

Cycle Start Date: 10/1/2015

Certification Expires: 9/30/2018

Course ID	Course Name	Completion Date	Contact Hours
6108	Wastewater Laboratory Skills	12/15/2015	5.0
1830	Pumps	2/16/2016	6.0
887	Wastewater Operator Math	3/9/2016	6.0
5016	Heartsaver First Aid with CPR/AED training	3/17/2016	4.0

Total Contact Hours: 21.0

Note: You have completed the DEP-required system security course.

Water Certification Courses

193237 RICHARD WEBB
441 PEG A NAL RD
CRANBERRY, PA 16319-2703

Wednesday, March 15, 2017 9:07:32 AM

Cycle Start Date: 4/1/2016

Certification Expires: 3/31/2019

No matching course

Note: You have completed the DEP-required system security course.

APPENDIX C

COLLECTION SYSTEM SUMMARY TABLE

**Pennsylvania American Water - Shippenville Wastewater System
Collection System Summary**

	2015	2016	TOTALS
Sanitary Sewer Overflows and bypasses	1	0	1
Basement flooding/back-up	0	0	0
Sanitary sewer blockage	0	0	0
Sanitary sewer pipe breaks	0	0	0
Service lateral blockages	0	0	0
Service lateral breaks	0	0	0
Service complaints	0	0	0
Sewer Mains (LF)			0
Rehab (lining or pipe bursting)	0	0	0
Replace	0	0	0
Smoke Testing	0	0	0
Cleaning	0	0	0
CCTV	0	8,891	8,891
New (Extensions)	0	0	0
Manholes (EA)			0
- Rehab	0	0	0
- Replace	0	0	0
- New Install	0	0	0
Service laterals (EA)			0
- Replace	0	0	0
- New	0	0	0

PENNSYLVANIA NATURAL DIVERSITY INVENTORY
CORRESPONDENCE

July 12, 2017

PNDI Number: 633084

Stan Corbett
AECOM
4051 Ogletown Road
Newark, DE 19713
Email: stan.corbett@aecom.com (hard copy will not follow)

Re: Town Hill Service Area Planning Module
Elk Township and Borough of Shippenville, Clarion County, PA

Dear Mr. Corbett,

Thank you for the submission of the Pennsylvania Natural Diversity Inventory (PNDI) Environmental Review Receipt Number 633084 for review. PA Department of Conservation and Natural Resources screened this project for potential impacts to species and resources under DCNR's responsibility, which includes plants, terrestrial invertebrates, natural communities, and geologic features only.

No Impact Anticipated

PNDI records indicate species or resources under DCNR's jurisdiction are located in the vicinity of the project. However, based on the information you submitted concerning the nature of the project, the immediate location, and our detailed resource information, DCNR has determined that no impact is likely. No further coordination with our agency is needed for this project.

This response represents the most up-to-date review of the PNDI data files and is valid for two (2) years only. If project plans change or more information on listed or proposed species becomes available, our determination may be reconsidered. Should the proposed work continue beyond the period covered by this letter, please resubmit the project to this agency as an "Update" (including an updated PNDI receipt, project narrative and accurate map). As a reminder, this finding applies to potential impacts under DCNR's jurisdiction only. Visit the PNHP website for directions on contacting the Commonwealth's other resource agencies for environmental review.

Should you have any questions or concerns, please contact Jason Ryndock, Ecological Information Specialist, by phone (717-705-2822) or via email (c-jryndock@pa.gov).

Sincerely



Greg Podnieszinski, Section Chief
Natural Heritage Section

1. PROJECT INFORMATION

Project Name: **Town Hill Service Area Planning Module**

Date of Review: **6/27/2017 01:00:52 PM**

Project Category: **Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewage module/Act 537 plan**

Project Area: **30.70 acres**

County(s): **Clarion**

Township/Municipality(s): **ELK; SHIPPENVILLE**

ZIP Code: **16254**

Quadrangle Name(s): **CLARION; FRYBURG**

Watersheds HUC 8: **Clarion**

Watersheds HUC 12: **Deer Creek-Clarion River; Paint Creek**

Decimal Degrees: **41.249435, -79.453753**

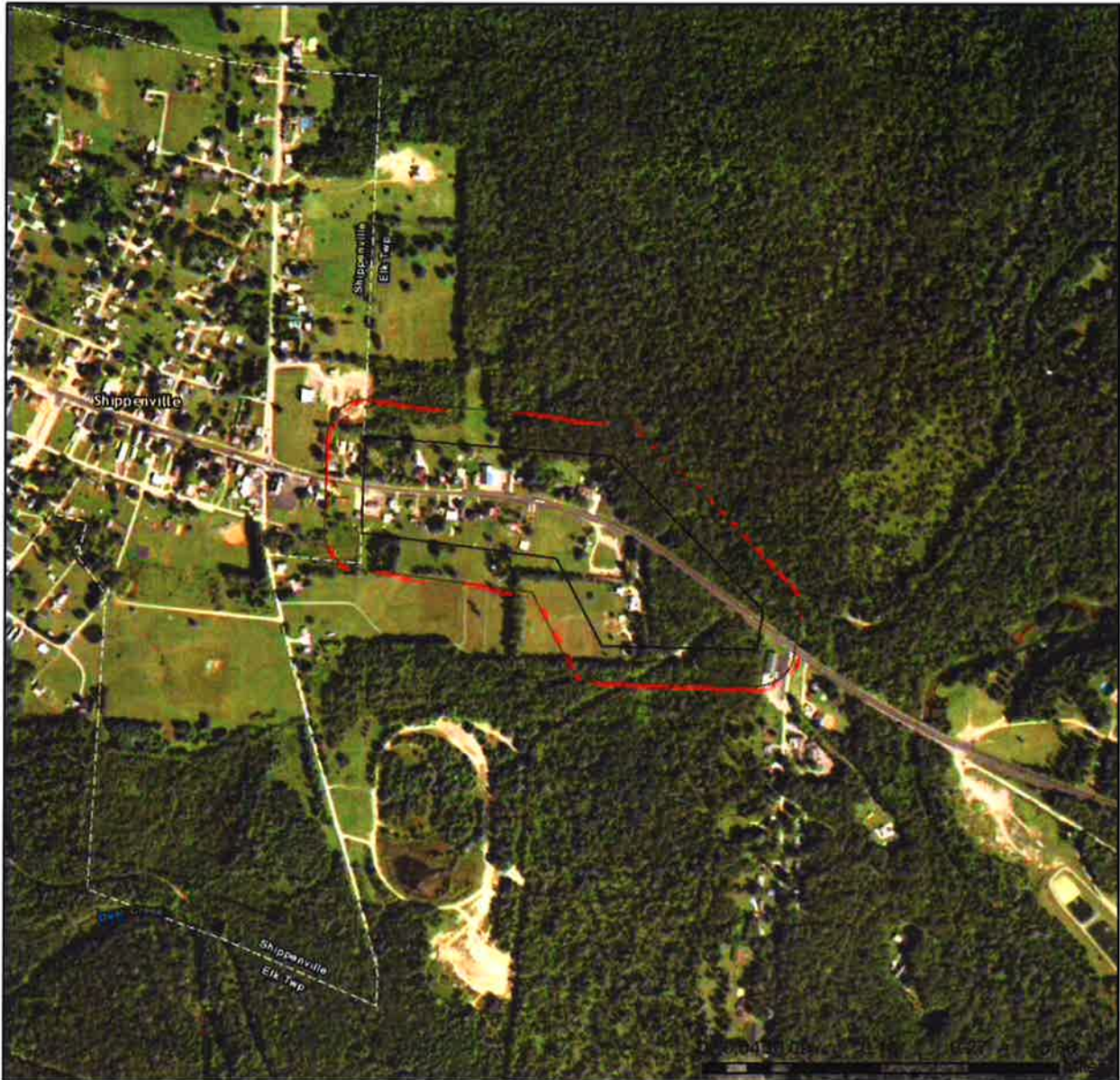
Degrees Minutes Seconds: **41° 14' 57.9651" N, 79° 27' 13.5113" W**

2. SEARCH RESULTS

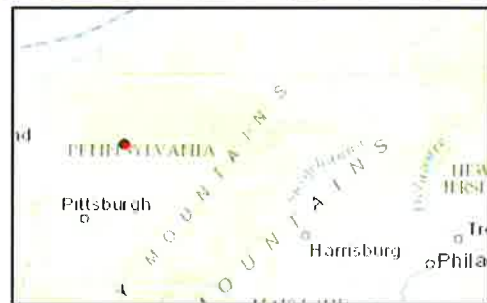
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	Potential Impact	FURTHER REVIEW IS REQUIRED, See Agency Response
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate there may be potential impacts to threatened and endangered and/or special concern species and resources within the project area. If the response above indicates "No Further Review Required" no additional communication with the respective agency is required. If the response is "Further Review Required" or "See Agency Response," refer to the appropriate agency comments below. Please see the DEP Information Section of this receipt if a PA Department of Environmental Protection Permit is required.

Town Hill Service Area Planning Module

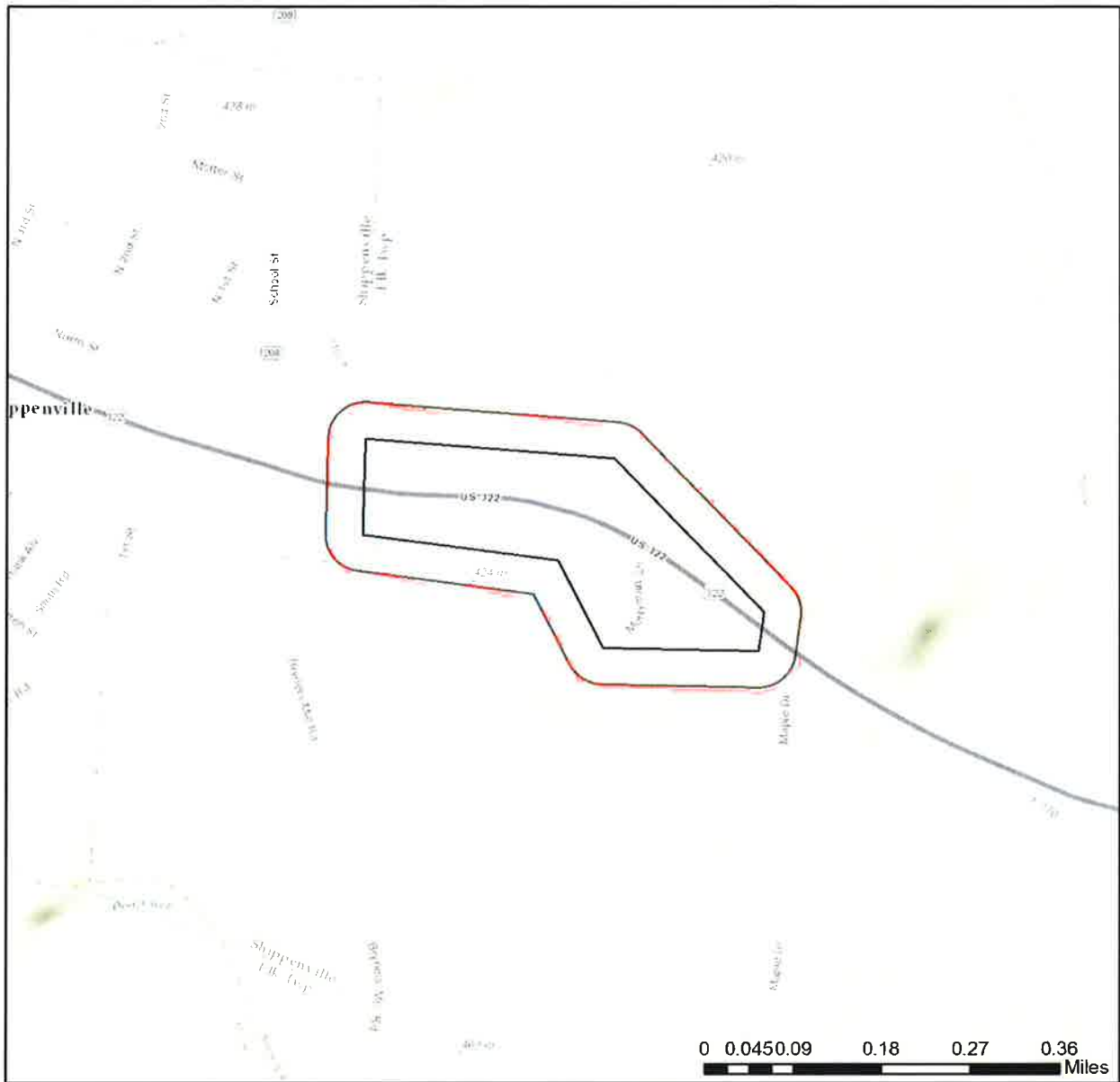


- Project Boundary
- Buffered Project Boundary



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user

Town Hill Service Area Planning Module



- Project Boundary
- Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

Further review of this project is necessary to resolve the potential impact(s). Please send project information to this agency for review (see WHAT TO SEND).

DCNR Species: (Note: The Pennsylvania Conservation Explorer tool is a primary screening tool, and a desktop review may reveal more or fewer species than what is listed below. After desktop review, if a botanical survey is required by DCNR, we recommend the DCNR Botanical Survey Protocols, available here: http://www.gis.dcnr.state.pa.us/hgis-er/PNDI_DCNR.aspx.)

Scientific Name	Common Name	Current Status	Proposed Status	Survey Window
Swertia caroliniensis	American Columbo	Endangered	Endangered	flowers May-June

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

* Special Concern Species or Resource - Plant or animal species classified as rare, tentatively undetermined or candidate as well as other taxa of conservation concern, significant natural communities, special concern populations (plants or animals) and unique geologic features.

** Sensitive Species - Species identified by the jurisdictional agency as collectible, having economic value, or being susceptible to decline as a result of visitation.

WHAT TO SEND TO JURISDICTIONAL AGENCIES

If project information was requested by one or more of the agencies above, upload* or email* the following information to the agency(s). Instructions for uploading project materials can be found [here](#). This option provides the applicant with the convenience of sending project materials to a single location accessible to all three state agencies. Alternatively, applicants may email or mail their project materials (see AGENCY CONTACT INFORMATION).

***Note:** U.S.Fish and Wildlife Service requires applicants to mail project materials to the USFWS PA field office (see AGENCY CONTACT INFORMATION). USFWS will not accept project materials submitted electronically (by upload or email).

Check-list of Minimum Materials to be submitted:

___ Project narrative with a description of the overall project, the work to be performed, current physical characteristics of the site and acreage to be impacted.

___ A map with the project boundary and/or a basic site plan (particularly showing the relationship of the project to the physical features such as wetlands, streams, ponds, rock outcrops, etc.)

In addition to the materials listed above, USFWS REQUIRES the following

___ **SIGNED** copy of a Final Project Environmental Review Receipt

The inclusion of the following information may expedite the review process.

___ Color photos keyed to the basic site plan (i.e. showing on the site plan where and in what direction each photo was taken and the date of the photos)

___ Information about the presence and location of wetlands in the project area, and how this was determined (e.g., by a qualified wetlands biologist), if wetlands are present in the project area, provide project plans showing the location of all project features, as well as wetlands and streams.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

U.S. Fish and Wildlife Service
Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Fish and Boat Commission
Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

Name: STAN CORBETT
Company/Business Name: AECOM
Address: SABRE BUILDING, SUITE 300, 4051 ORLEANS RD.
City, State, Zip: NEWARK, DE 19713
Phone: (302) 731-5986 Fax: (302) 731-5901
Email: STAN.CORBETT@AECOM.COM

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.



applicant/project proponent signature

6/27/17

date

Town Hill Service Area
Sewage Facilities Planning Module
PNDI Project Search ID: PNDI-633084

Project Narrative

The project does not involve any land development, but rather provides for uses in the proposed Town Hill Service Area to connect to an existing public sewage force main as needed to address on-lot sewage system malfunctions.

Existing uses in the Town Hill Service Area are primarily single family residential, with limited incidence of commercial uses, which are presently served by on-lot sewage systems. A 2012 draft Elk Township Act 537 Plan indicated that provision of public sewer service was warranted due to problems with the on-lot sewage systems. The purpose of the current Sewage Facilities Planning Module is consequently to include these properties in the approved Act 537 public sewer service area so that public sewer connections can proceed as needed to address on-lot sewage system problems. Public sewer connections would be made upon request of the property owner and would consist of an individual grinder pump and a low pressure force main lateral on each lot to connect to the existing public sewage force main located along the US Route 322 right-of-way.

Earth disturbance will be limited to installation of sewer laterals and sewage grinder pump units in existing yard areas, as well as limited disturbance within the road right-of way to effect lateral connection to the existing force main. Since all such disturbance would occur on previously disturbed lands, no impact on prime agricultural soils is expected. It should also be noted that the maximum amount of earth disturbance is estimated to be less than 1 acre, assuming all existing uses were to connect to the public sewer.

Figure 1 illustrates the Town Hill Service Area, receiving public sewerage facilities, and incidence of wetlands, floodplains and water bodies in the vicinity of the project area. No wetlands, floodplains or water bodies exist within the Town Hill Service Area.



- Legend**
- Municipal Service Area
 - Pipeline
 - Pipeline in TEMA Zone
 - Storm
 - Storm in TEMA Zone
 - Sewer
 - Sewer in TEMA Zone
 - Manhole
 - Pump Station
 - Pipeline
 - Storm
 - Design Layout



0 100 200 300 Feet
1 inch = 300 feet

DATE PLOTTED: 10/13/2017
TIME PLOTTED: 10:10:10 AM
PLOTTER: HP DesignJet T1100e
PLOTTER MODEL: HP DesignJet T1100e
PLOTTER DRIVER: HP DesignJet T1100e
PLOTTER LANGUAGE: English
PLOTTER STATUS: OK
PLOTTER ERROR: None
PLOTTER MESSAGE: None
PLOTTER ACTION: None
PLOTTER COMMANDS: None
PLOTTER PARAMETERS: None
PLOTTER SETTINGS: None
PLOTTER VERSION: 1.0

FIGURE 1
TOWN HILL SERVICE AREA



AECOM <small>SAFETY. INTEGRITY. TEAMWORK.</small> <small>1001 G Street, N.W.</small> <small>Washington, D.C. 20002</small>	DATE	10/13/2017
	FIGURE NUMBER	0254121
FIGURE		1 OF 2

COMPONENT 4B
COUNTY PLANNING AGENCY REVIEW



**SEWAGE FACILITIES PLANNING MODULE
COMPONENT 4B - COUNTY PLANNING AGENCY REVIEW**

(or Planning Agency with Areawide Jurisdiction)

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning package and one copy of this *Planning Agency Review Component* should be sent to the county planning agency or planning agency with areawide jurisdiction for their comments.

SECTION A. PROJECT NAME (See Section A of instructions)

Project Name

Town Hill Service Area

SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by county planning agency 08-04-2017
2. Date plan received by planning agency with areawide jurisdiction _____
Agency name _____
3. Date review completed by agency 08-18-2017

SECTION C. AGENCY REVIEW (See Section C of instructions)

- | Yes | No | |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101 <i>et seq.</i>)? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Is this proposal consistent with the comprehensive plan for land use? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Does this proposal meet the goals and objectives of the plan?
If no, describe goals and objectives that are not met _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Is this proposal consistent with the use, development, and protection of water resources?
If no, describe inconsistency _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 5. Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation?
If no, describe inconsistencies: _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 6. Does this project propose encroachments, obstructions, or dams that will affect wetlands?
If yes, describe impact _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 7. Will any known historical or archeological resources be impacted by this project?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. Will any known endangered or threatened species of plant or animal be impacted by the development project?
If yes, describe impacts _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 9. Is there a county or <u>areawide</u> zoning ordinance? <u>'CLAYTON' County AIRPORT ZONING' ONLY</u> |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 10. Does this proposal meet the zoning requirements of the ordinance?
If no, describe inconsistencies _____ |

SECTION C. AGENCY REVIEW (continued)

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	11. Have all applicable zoning approvals been obtained?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	12. Is there a county or areawide subdivision and land development ordinance?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	13. Does this proposal meet the requirements of the ordinance? If no, describe which requirements are not met _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this proposal consistent with the municipal Official Sewage Facilities Plan? If no, describe inconsistency _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?
<input type="checkbox"/>	<input type="checkbox"/>	If yes, is the proposed waiver consistent with applicable ordinances. If no, describe the inconsistencies <u>NOT A SUBDIVISION</u>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	17. Does the county have a stormwater management plan as required by the Stormwater Management Act?
<input checked="" type="checkbox"/>	<input type="checkbox"/>	If yes, will this project plan require the implementation of storm water management measures?
18. Name, Title and signature of person completing this section:		
Name: <u>KEVIN L. REICHARD</u>		
Title: <u>CLARION COUNTY ENGINEER</u>		
Signature: <u>[Signature]</u>		
Date: <u>08-18-2017</u>		
Name of County or Areawide Planning Agency: <u>CLARION COUNTY DEPT. OF PLANNING & DEVELOPMENT</u>		
Address: <u>ADMINISTRATIVE BUILDING, ROOM 12, 330 MAIN STREET, CLARION, PA. 16214</u>		
Telephone Number: <u>814-226-4000, EXT. 2803</u>		

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This component does not limit county planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The county planning agency must complete this component within 60 days.

This component and any additional comments are to be returned to the applicant.

FIGURE 1
PROJECT PLOT PLAN

Exhibit K



PENNSYLVANIA
AMERICAN WATER

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

October 26, 2018

Via Certified Mail

Clarion County Planning Commission
Clarion County Courthouse
421 Main Street
Clarion, PA 16241

Re: Pennsylvania -American Water Company application to provide wastewater service an additional portion of Elk Township (Route 322), Clarion County, Pennsylvania.

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 Elk Township, Clarion 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? Check with the municipalities
2. Is there an adopted county comprehensive plan? Yes - Dated Nov. 9, 2004
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
Clarion County Airport zoning Ordinance December 9, 2003
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 (724) 287-1636 or e-mail Jason.gentile@amwater.com.

Sincerely,

Jason M. Gentile
Operations Superintendent

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

Clarion County Signature Bobbi Gautsch
Printed Name/Title Bobbi Gautsch Date Nov. 2, 2018

Please e-mail this form to: Bobbi Gautsch at Roberta.gautsch@amwater.com.