



Teresa K. Harrold

Director, Corporate Counsel

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VIA e-Filing

January 6, 2022

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

**Re: Application of Pennsylvania-American Water Company for Approval
of the Right to Offer, Render, Furnish and Supply Wastewater
Treatment Service to the Public in an Additional Portion of Elk
Township, Clarion County, Pennsylvania**

Docket No. A-2022-_____

Dear Secretary Chiavetta:

On behalf of Pennsylvania-American Water Company, I am e-Filing the above-referenced Application together with payment in the amount of \$350.00 for the Commission's filing fee.

The Application has also been served on the parties listed on the enclosed Certificate of Service.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Teresa K. Harrold".

Teresa K. Harrold

eth

Enclosures

cc: All Parties on the attached Certificate of Service with Enclosures

**BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

Application of Pennsylvania-American :
Water Company for Approval of the Right :
to Offer, Render, Furnish and Supply : Docket No. A-2022-_____
Wastewater Treatment Service to the Public :
in an Additional Portion of Elk Township, :
Clarion County, Pennsylvania :

TO THE HONORABLE PENNSYLVANIA PUBLIC UTILITY COMMISSION:

I. INTRODUCTION

1. Pennsylvania-American Water Company (“Pennsylvania-American” or “Company”) hereby respectfully requests that the Pennsylvania Public Utility Commission (“Commission”) issue a Certificate of Public Convenience evidencing its approval under Section 1102(a)(1)(i) of the Public Utility Code, 66 Pa.C.S. § 1102(a)(1)(i), of Pennsylvania-American’s right to begin to offer, render, furnish and supply wastewater treatment service to the public in an additional portion of Elk Township, Clarion County, Pennsylvania. In support of this request, Pennsylvania-American states as follows:

2. The name and address of the Company are:

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

3. The name and address of the Company’s attorney are:

Teresa K. Harrold, Esquire
Pennsylvania-American Water Company
852 Wesley Drive
Mechanicsburg, PA 17055

II. DESCRIPTION OF THE COMPANY

4. Pennsylvania-American is a public utility corporation organized and existing under the laws of the Commonwealth of Pennsylvania. Pennsylvania-American furnishes water service to approximately 2.2 million people in a certificated service territory encompassing portions of 37 counties and 409 municipalities across the Commonwealth, as reflected in documents already on file with the Commission. As of November 30, 2021, Pennsylvania-American provided wastewater service to approximately 81,959 customers in the following classifications:

Residential	75,890
Commercial	5,786
Industrial	54
Municipal	215
Misc, SFR / Bulk	14

In addition, Pennsylvania-American provided water service to approximately 677,021 customers in the following classifications:

Residential	623,943
Commercial	45,890
Industrial	540
Municipal, Resale and Other	2,309
Fire Protection	4,339

5. The Commission has deemed Pennsylvania-American to be financially and technically fit, as reflected in documents on file with the Commission. 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

6. As indicated above, the proposed additional service territory is located in a portion of Elk Township, Clarion County, Pennsylvania, and consists of approximately 7.5 acres. 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 proposed area to be served (“Application Territory”).

7. Pennsylvania-American is certificated to provide wastewater treatment service in portions of Elk Township due to the acquisitions of Paint-Elk Joint Sewer Authority at Docket No. A-2013-2395998 and Shippenville Borough at Docket No. A-2014-2441953. Furthermore, Pennsylvania-American is also certificated to serve a portion of Elk Township under an application to extend wastewater service at Docket No. A-2018-3006085.

8. The Application Territory abuts the service territory which was previously approved at Docket No. A-2014-2441953 for Pennsylvania-American’s acquisition of the wastewater system formerly owned by the Borough of Shippenville.

9. The Application Territory will serve three (3) residential customers on Pennsylvania Route 208. The Company has received letters from two residential customers requesting service, which are attached hereto as **Exhibit C**. One of the residential customer’s letters requests service to two (2) parcels which include his residence and a rental property.

10. The Company replaced aging infrastructure with a new lift station, gravity sewer main and force main. In order to replace the existing lift station and have adequate access to the lift station, the Company relocated it to a neighboring property. As a result of relocating the lift station, the Company is able to provide wastewater service to three (3) residential customers. See satellite image of the infrastructure and the residential customers’ parcels attached hereto as **Exhibit D**.

11. Water service for the potential three (3) residential wastewater customers is provided by Pennsylvania-American and will continue to be provided by Pennsylvania-American.

12. The Application Territory will be operated and managed in conjunction with Pennsylvania-American's Paint-Elk Wastewater Treatment Plant facility. It is anticipated with this increased flow into the Paint-Elk Wastewater Treatment Plant facility, no hydraulic or organic overload will occur to this treatment plant.

13. The cost of replacing the existing facilities was approximately \$588,095.00 and was borne by Pennsylvania-American. See **Exhibit E** for a breakdown of the costs. The construction of the new facilities was completed November 12, 2020, with preliminary site restoration and paving completed in 2021. The estimated cost to provide service laterals to the three (3) additional customers is estimated at \$25,000 and will be borne by Pennsylvania-American at the time of connection.

14. The necessary easements and permits were acquired to replace the existing, aging infrastructure. There are no additional easements or permits necessary to serve the Application Territory.

15. The Company is in possession of the Department of Environmental Protection approval letter for Planning Module Component 3 – Sewage Collection and Treatment Facilities at **Exhibit F**.

16. To the best of the knowledge of the Company, no corporation, partnership, or individual is currently furnishing or has corporate or franchise rights to furnish service similarly in the proposed Application Territory, thus, no competitive condition will be created.

IV. FINANCIAL AND OTHER RELEVANT INFORMATION

17. There is attached hereto, as **Exhibit G**, a balance sheet of Pennsylvania-American as of December 31, 2020.

18. There is attached hereto, as **Exhibit H**, a statement of income and retained earnings of Pennsylvania-American for the twelve months ended December 31, 2020.

19. Pennsylvania-American will charge its then existing Rate Zone 1 rates for service in the Application Territory as set forth in its Tariff. Current Rate Zone 1 rates are shown on **Exhibit I** and may be changed from time to time. The estimated usage for a residential customer is 3,458 gallons per month. Wastewater is currently treated by on-lot septic systems.

20. Pennsylvania-American furnishing wastewater service in the Application Territory will have no adverse effect upon the service furnished or the rates charged to other customers.

21. The estimated annual revenues and expenses of Pennsylvania-American in the Application Territory are set forth in **Exhibit J** attached hereto.

V. PUBLIC INTEREST

22. It is in the public interest for Pennsylvania-American to provide wastewater treatment service in the Application Territory because it is financially and technically capable of providing service and because there was a need to make wastewater service available for the three (3) residential customers located on Pennsylvania Route 208 because the quality of the existing on-lot wastewater treatment is questionable.

23. Pennsylvania-American has support from both Clarion County and Elk Township. A letter can be found at **Exhibit K** from Clarion County and at **Exhibit L** from Elk Township to verify that this plan complies with county/township comprehensive plans. See also **Exhibit F**, Section F - Component 3 – Sewage Facilities Planning Module beginning at Page 22 of 135. Elk

Township notes at Exhibit L it is agreeable to add on four (4) properties. By way of further clarification, this number refers to dwellings not actual properties.

VI. 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)(1)(i) of the Public Utility Code, 66 Pa.C.S. §1102(a), authorizing Pennsylvania-American to furnish wastewater treatment service in an additional portion of Elk Township, Clarion County, identified as Application Territory on Exhibit B-1 and described in Exhibit B-2.

WHEREFORE, Pennsylvania-American respectfully requests that the Pennsylvania Public Utility Commission approve this Application and grant a Certificate of Public Convenience to the Company for the foregoing reasons in the Application Territory on Exhibit B-1 and described in Exhibit B-2.

PENNSYLVANIA-AMERICAN WATER COMPANY

By: 

Teresa K. Harrold, Esquire
Attorney I.D. No. 311082
Pennsylvania-American Water Company
852 Wesley Drive
Mechanicsburg, PA 17055
717-550-1562
E-Mail: teresa.harrold@amwater.com

Dated: January 6, 2022

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit A

Pennsylvania-American Water Company Corporate History

PENNSYLVANIA-AMERICAN WATER COMPANY

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

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

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

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

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

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

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

(Fayette County, October 4, 2012); All Seasons Water Company (Pike County, December 20, 2012); Ha Ra Corporation-Fernwood Community Water System (Monroe County, December 31, 2012); Olwen Heights Water Service Company, Inc. (Lackawanna County, February 4, 2013); Indian Rocks Water Association (Wayne County, March 13, 2013); Koppel Borough (Beaver County, May 31, 2013); Pocono Mountain Lake Forest Community Association (Pike County, July 22, 2013); Clean Treatment Sewage Company (Pike County, August 21, 2013); Franklin Township Municipal Authority (Adams County, August 29, 2013); Berry Hollow Water Company (Northampton County, April 3, 2014); Scott Township (Lackawanna County, May 22, 2014); Paint-Elk Joint Sewer Authority (Clarion County, July 31, 2014); Hamiltonban Township Municipal Authority (Adams County, November 3, 2014); Abbey Woods Homeowners Association (Butler County, July 14, 2015); Shipperville Borough (Clarion County, August 4, 2015); Paint Township Municipal Water Authority (Clarion County, October 15, 2015); McEwensville Municipal Authority (Northumberland County, October 21, 2015); Fairview Township (York County, December 22, 2015); Borough of New Cumberland (Cumberland County, October 31, 2016); Sewer Authority of the City of Scranton (Lackawanna County, December 29, 2016); The Municipal Authority of the City of McKeesport (Allegheny County, December 18, 2017); Township of Sadsbury (Chester County, March 6, 2019); Municipal Authority of the Borough of Turbotville (Northumberland County, July 23, 2019); Borough of Turbotville (Northumberland County, July 23, 2019); Steelton Borough Authority (Dauphin County, October 9, 2019); Township of Exeter (Berks County, October 24, 2019); Kane Borough Authority (McKean County, October 13, 2020); Winola Water Company (Wyoming County, December 17, 2020); Delaware Sewer Company (Pike County, May 13, 2021); Borough of Royersford (Montgomery County, May 25, 2021); Valley Township-Water (Chester County, November 18, 2021); Valley Township-Wastewater (Chester County, November 18, 2021) and SLIBCO Utilities, Inc. (Lackawanna County, November 19, 2021). 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 677,021 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 Applewold and Kittanning and the Townships of Manor and Rayburn in Armstrong County;

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

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

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

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

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

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

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

All, or portions of, the Boroughs of Chester Hill, Osceola Mills and Wallaceeton 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 Borough of Steelton and the Townships of Conewago, Derry, Londonderry, South Hanover, Swatara and West Hanover in Dauphin County;

All, or portions of, the Cities of Connellsville and Uniontown, the Boroughs of Brownsville and South Connellsville and the Townships of Brownsville, 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, Turbotville and Watsonstown and the Townships of Delaware, East Chillisquaque, Lewis, Point, Turbot, Upper Augusta and West Chillisquaque in Northumberland County;

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

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

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

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

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

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

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

Portion of the Township of Overfield in Wyoming County; and

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 81,959 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;

Portions of, the Townships of Alsace, Exeter and Lower Alsace in Berks County;

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

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

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

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

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

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

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

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

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

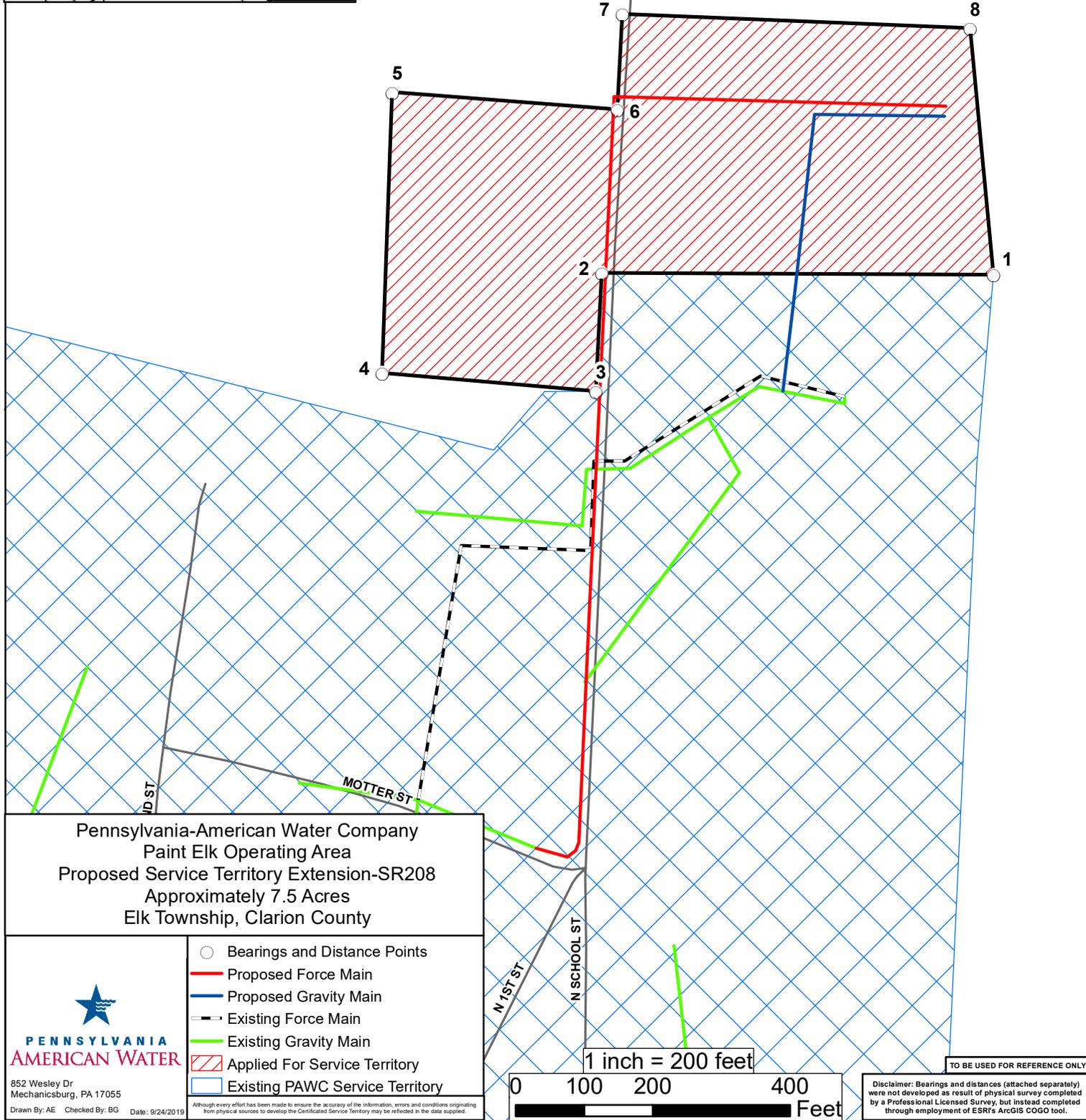
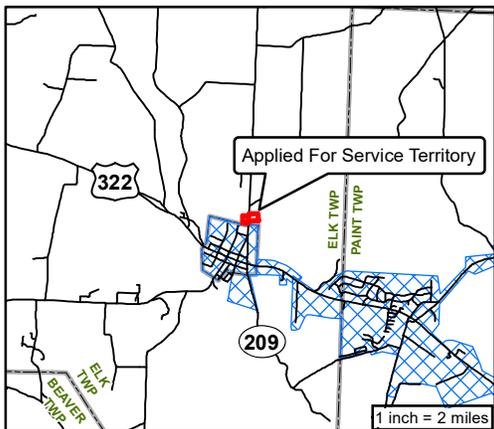
All, or portions of, the Borough of Claysville and the Township of Donegal in Washington County; and

A portion of the Township of Fairview in York County.

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit B-1

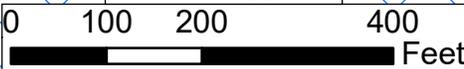
Map of the Application Territory



Pennsylvania-American Water Company
 Paint Elk Operating Area
 Proposed Service Territory Extension-SR208
 Approximately 7.5 Acres
 Elk Township, Clarion County

- Bearings and Distance Points
- Proposed Force Main
- Proposed Gravity Main
- Existing Force Main
- Existing Gravity Main
- Applied For Service Territory
- Existing PAWC Service Territory

Although every effort has been made to ensure the accuracy of the information, errors and conditions originating from physical sources to develop the Certified Service Territory may be reflected in the data supplied.



TO BE USED FOR REFERENCE ONLY
 Disclaimer: Bearings and distances (attached separately) were not developed as result of physical survey completed by a Professional Licensed Surveyor, but instead completed through employment of ESR's ArcGIS COGO tool.

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit B-2

Description of the Application Territory

Exhibit B-2

Starting Point: Approximately 796 feet down the centerline of Route 208 in a southerly direction from the intersection of Allaman Road and Route 208, Elk Township, PA, then approximately 554 feet in an easterly direction.

<u>From</u>	<u>To</u>	<u>Bearing</u>	<u>Distance(Ft)</u>
1	2	N89°43'53"W	570.82
2	3	S2°52'49"W	172.71
3	4	N85°09'04"W	312.16
4	5	N2°00'00"E	410.41
5	6	S85°36'46"E	329.09
6	7	N3°07'12"E	139.23
7	8	S87°41'16"E	506.70
8	1	S5°25'41"E	361.76

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit C

Letters from Residential Customers Requesting Service in the Application Territory

January 31, 2020

To Whom It May Concern,

As a resident of Elk Township, Clarion County I am interested in connecting to the public sewer system. I am the owner and resident of 12360 SR#208 Shippenville, PA 16254.

Thank you,

Heidi Martin

A handwritten signature in black ink that reads "Heidi Martin". The signature is written in a cursive style with a long horizontal flourish extending to the right.

January 31, 2020

To Whom It May Concern,

As a resident of Elk Township, Clarion County I am interested in connecting to the public sewer system. I am the resident and owner of 12308 and 12380 SR#208 Shippenville, PA 16254.

Thank you,

John Slagle

A handwritten signature in black ink, appearing to read "John Slagle", with a long horizontal flourish extending to the right.

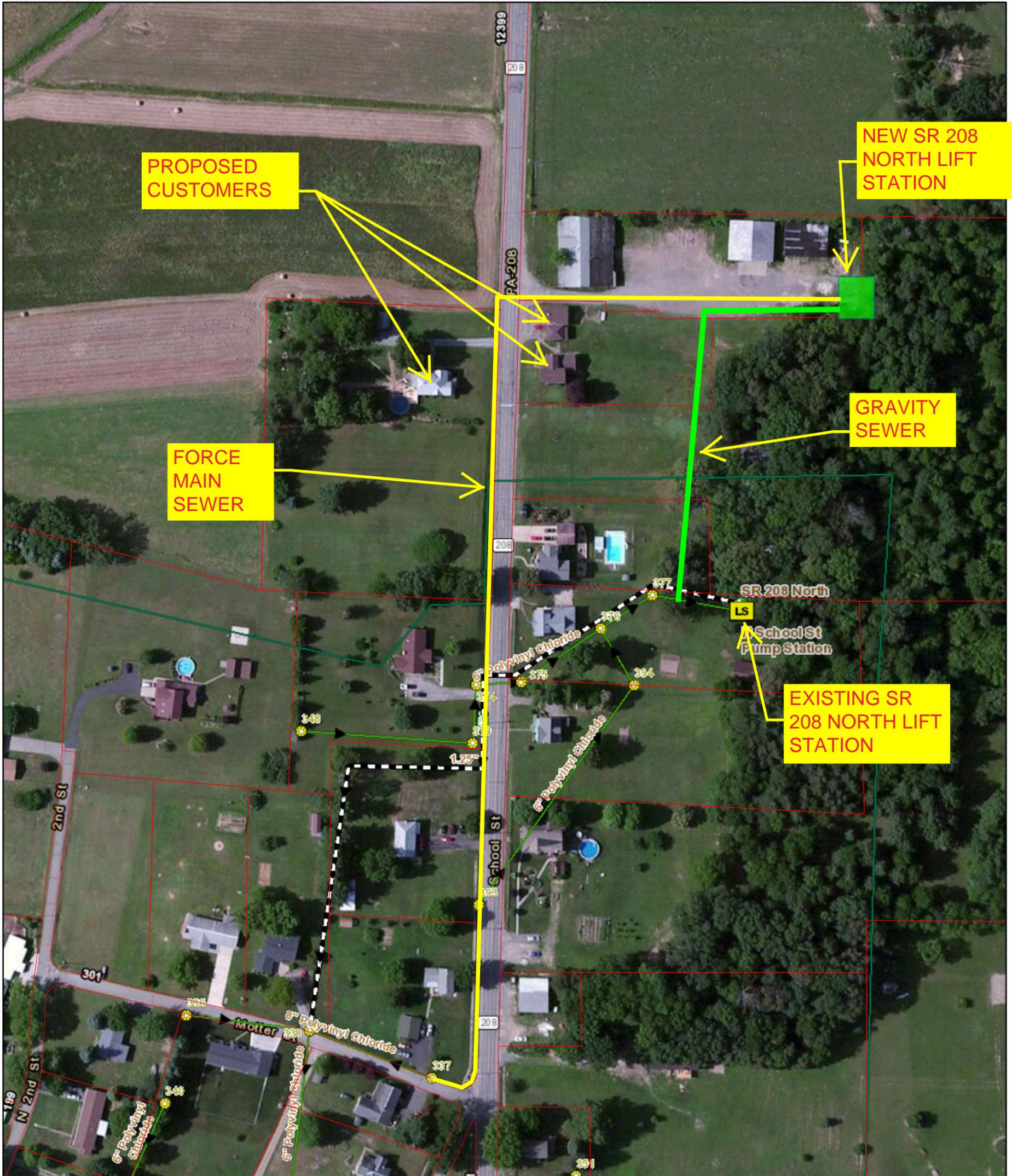
Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit D

Satellite Image of Infrastructure and the Residential Customers' Parcels

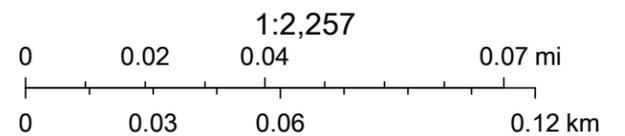
SR 208 North Lift Station Area

Exhibit D



8/16/2019, 10:15:33 AM

- | | |
|---------------------------|----------------------------|
| Sewer Service Area | CleanOut |
| Gravity Main | Manhole |
| Force Main | StormInlet |
| Gravity Direction of Flow | Equalization Basin |
| Forced Direction of Flow | Diversion Chamber |
| Lateral Service | Outfall |
| Force Main | Lift Station |
| Gravity Main | Wastewater Treatment Plant |
| Valve | Parcels |
| Fitting | |



Esri, HERE, Garmin, (c) OpenStreetMap contributors
 Copyright nearmap 2015
 Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/
 Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User

Web AppBuilder for ArcGIS

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit E

Estimated Cost of Replacing Existing Infrastructure and
Providing Service to the Residential Customers

Paint-Elk WW SR 208 North Lift Station Construction Cost Estimate

Item No.	Description	Total Cost
1	Gravity Sewer	\$50,325.00
2	Force Main Sewer	\$77,070.00
3	Lift Station	\$460,700.00
Total =		\$588,095.00

Residential Customer Connection Construction Cost Estimate

Item No.	Description	Total Cost
1	Gravity Sewer Lateral 1	\$10,000.00
2	Gravity Sewer Lateral 2	\$10,000.00
3	Pressure Sewer Lateral 3	\$5,000.00
Total =		\$25,000.00

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit F

Department of Environmental Protection Approval Letter for
Planning Module Component 3 - Sewage Collection and Treatment Facilities



July 25, 2019

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

Re: Approval Letter - Revision
Planning Module Component 3 – Sewage Collection and Treatment Facilities
Maple Drive & SR 208 Lift Stations Replacement
DEP Code No. K6-18-050;
APS ID No. 991569, Auth ID No. 1270251
Elk Township, Clarion County

Dear Ms. Taylor:

The Department of Environmental Protection (DEP) has reviewed the proposed Official Plan Revision consisting of construction of two (2) new lift stations, which will be complete replacements of the existing Maple Drive lift station and the existing SR 208-North lift station. The existing lift stations are owned by the Pennsylvania American Water Company (PAWC) and are both at the end of their useful service life.

Maple Drive: The existing lift station is located below the Paint – Elk Wastewater Treatment Plant (WWTP). The new lift station will be constructed adjacent to the existing lift station. An estimated 180 LF of new 4” force main (FM), paralleling the existing 1.25” FM being abandoned, will be constructed to its point of connection with the existing 8” FM between the recently constructed Shippenville pump station and the PAWC’s Paint-Elk WWTP.

SR 208-North: The existing lift station is located on SR 208, north of the SR 208/US 322 intersection. The new lift station will be constructed on a new parcel just north of the existing lift station. An estimated 1,850 LF of new 4” FM to serve the newly relocated SR 208-North pump station will be constructed to its point of connection with existing manhole 25 on Motter Street in the Borough of Shippenville.

Maple Drive and SR 208-North: For each lift station, pump capacity will be increased to provide for anticipated future needs. Construction of a new concrete masonry building that will house new duplex solids handling pumps and a wet well is proposed for each new site. A Supervisory Control and Data Acquisition (SCADA) telemetric system and emergency generator will be housed in a new separate building.

The plan revision is approved.

The new Maple Drive lift station and the new SR 208-North lift station will be capable of conveying a peak daily flow of 201,600 and 144,000 gallons of sewage per day, respectively, to be treated at the PAWC Paint-Elk WWTP. The number of customers served by Maple Drive lift station will remain unchanged at twenty (20).

The SR 208-North lift station provides additional capacity for 42 Equivalent Dwelling Units (EDUs) at 250 gallons/EDU to enable future expansion of the service area to include customers in the Evergreen Drive/SR 208-North vicinity. The number of customers served by this pump station will initially be six (6) with a total of 48 envisioned.

The approved project will require a Water Quality Management (Part II) permit for the construction and operation of the proposed sewage facilities. Issuance of a Part II permit will be based upon a technical evaluation of the permit application and supporting documentation. Starting construction prior to obtaining a permit is a violation of the Clean Streams Law. The Part II permit application can be

**COMPONENT 3 SEWAGE FACILITIES
PLANNING MODULE**

FOR

PENNSYLVANIA-AMERICAN WATER COMPANY

MAPLE DRIVE & SR 208 LIFT STATIONS

**ELK TOWNSHIP
CLARION COUNTY, PA**

PREPARED BY:

**GWIN, DOBSON & FOREMAN, INC.
3121 FAIRWAY DRIVE
ALTOONA, PA 16602-4496**

**JANUARY 2019
REVISED APRIL 2019**



April 9, 2019

PA Department of Environmental Protection
White Memorial Building
310 Best Avenue
Knox, PA 16232

Attn: Michelle Solida, Sewage Planning Specialist

**RE: Pennsylvania - American Water Company
Maple Drive & SR 208 Lift Stations
DEP Code No. K6-18-050
Elk Township, Clarion County, Pennsylvania
Sewer Facilities Planning Module**

Dear Ms. Solida:

On behalf of Pennsylvania American Water Company, please find enclosed one (1) original and one (1) copy of the Sewage Collection and Treatment Planning Module package for the above referenced project.

If you have any questions or need additional information, please feel free to contact me (814) 943-5214 or at ghargenrader@gdfengineers.com.

Thank you.

Sincerely,
GWIN, DOBSON & FOREMAN, INC.

Skyler J. Eckenrode, E.I.T.
Staff Civil Engineer

GJH/amk
18084/Ltr/SewagePlanning_4-9-19.doc
cc: File

**PENNSYLVANIA-AMERICAN WATER COMPANY
COMPONENT 3 SEWAGE FACILITIES PLANNING MODULE
MAPLE DRIVE & SR 208 LIFT STATIONS
ELK TOWNSHIP
CLARION COUNTY, PENNSYLVANIA**

TABLE OF CONTENTS

<u>SECTION</u>	<u>DESCRIPTION</u>
A	DEP CHECKLIST LETTER
B	TRANSMITTAL LETTER
C	RESOLUTION OF ADOPTION
D	COMPONENT 4A - MUNICIPAL PLANNING AGENCY REVIEW
E	COMPONENT 4B - COUNTY PLANNING AGENCY REVIEW
F	COMPONENT 3 - SEWAGE FACILITIES PLANNING MODULE
G	PROJECT NARRATIVE
H	ALTERNATIVE SEWAGE FACILITIES ANALYSIS
I	CHAPTER 94 CONSISTENCY DETERMINATION
J	MUNICIPAL NOTIFICATIONS
K	PENNSYLVANIA NATURAL DIVERSITY INVENTORY (PNDI)
L	LOCATION MAP
M	PLOT PLAN
N	EXISTING EASEMENTS
O	PHMC CLEARANCE
P	MUNICIPAL CHECKLIST

Section A
DEP CHECKLIST LETTER

December 19, 2018

Jed A. Fiscus, P.E.
 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
 PAWC – Maple Drive & SR 208 Lift Stations (Up-grades/Relocation)
 DEP CODE NO. K6-18-050
 Elk Township, Clarion County

Dear Mr. Fiscus:

In response to your application mailer, 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 provision of domestic waste water handling for the above referenced pump station projects in Elk Township, Clarion County. The below identified Sewage Collection and Treatment Facilities planning module package will be required.

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 3850-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 3850-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 3850-FM-BCW0362A)		
✓	Component 4A is attached, completed and signed	
✓	Municipal Responses to Component 4A comments are included	
Component 4B – County Planning Agency Review (Form 3850-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 3850-FM-BCW0362C)^{N/A/MLS}		
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	
✓	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 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	
✓	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	
N/A	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	
N/A	If municipal, the remainder of Section O is not applicable	
✓	If private, the required analysis and evaluation of sewage management options is attached	
✓	Section O.2. The appropriate box is checked regarding the use of nutrient credits or offsets	
✓	Section O.3. The Project Flows for the private facilities are provided	
✓	Section O.4.a. The appropriate box is checked indicating capacity in the existing private Collection and Conveyance Facilities	
✓	Section O.4.b. The private Collection System information is completed, signed and dated	
✓	Section O.4.c. The private Conveyance System information is completed, signed and dated	
✓	Section O.5.a. The appropriate box is checked regarding projected overloads at the private Treatment Facility	
✓	Section O.5.b. The private Treatment Facility information is completed, signed and dated	
✓	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	
✓	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	
✓	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:
Garret J. Hargenrader, P.E. via email
DEP - File

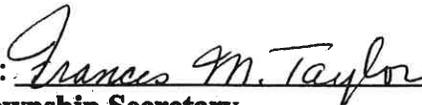
CERTIFICATION STATEMENT

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: Jed A. Fiscus

Printed Name: FRANCES TAYLOR

Signed: 
Applicant (or Applicant's authorized representative)

Signed: 
Elk Township Secretary

Date: 1-10-19

Date: 3-11-19

Section B
TRANSMITTAL LETTER



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

REVISED 5/8/19

**TRANSMITTAL LETTER
FOR SEWAGE FACILITIES PLANNING MODULE**

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH. ID #
K6-18-050				

TO: Approving Agency (DEP or delegated local agency)
Department of Environmental Protection
White Memorial Building, P.O. Box 669
310 Best Avenue
Knox, PA 16232

Date _____

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Gwin, Dobson and Foreman, Inc.
(Name)

Engineer for Pennsylvania-American Water Company a subdivision, commercial, or industrial facility located
(Title) (Name)
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.

- Resolution of Adoption
- Module Completeness Checklist
- 2 Individual and Community Onlot Disposal of Sewage
- 3 Sewage Collection/Treatment Facilities
- 3s Small Flow Treatment Facilities
- 4A Municipal Planning Agency Review
- 4B County Planning Agency Review (GSH - 5/8/19)
- 4C County or Joint Health Department Review

Francis M. Taylor

Municipal Secretary (print)

Signature

Date

Section C
RESOLUTION OF ADOPTION



DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

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 Company has proposed the development of a parcel of land identified as _____
land developer

Maple Drive & SR 208 Lift Stations, and described in the attached Sewage Facilities Planning Module, and
name of subdivision
proposes that such subdivision 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). Replacement of targeted conveyance sanitary sewers and lift stations.

WHEREAS, Elk Township finds that the subdivision described in the attached
municipality
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.

Francis M. Taylor, Secretary, Elk Township
(Signature)

Township Board of Supervisors (Borough Council) (City Councilmen), hereby certify that the foregoing is a true copy of the Township (Borough) (City) Resolution # 3-16-19, adopted, MAR 11, 2019

Municipal Address:

1395 Fulton Rd
Shippenville PA 16254

Seal of
Governing Body

Telephone 814-782-3775

Section D

COMPONENT 4A - MUNICIPAL PLANNING AGENCY REVIEW



COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF CLEAN WATER

DEP Code #:
 K6-18-050

**SEWAGE FACILITIES PLANNING MODULE
 COMPONENT 4A - MUNICIPAL PLANNING AGENCY REVIEW**

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

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

Project Name
 Maple Drive & SR 208 Lift Stations (Upgrades/Replacement)

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

1. Date plan received by municipal planning agency _____
2. Date review completed by agency _____

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

Yes	No	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	1. Is there a municipal 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? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	3. Is this proposal consistent with the use, development, and protection of water resources? If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	4. Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5. Does this project propose encroachments, obstructions, or dams that will affect wetlands? If yes, describe impacts _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6. Will any known historical or archaeological resources be impacted by this project? If yes, describe impacts _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7. Will any known endangered or threatened species of plant or animal be impacted by this project? If yes, describe impacts _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	8. Is there a municipal zoning ordinance?
<input type="checkbox"/>	<input type="checkbox"/>	9. Is this proposal consistent with the ordinance? NOT APPLICABLE If no, describe the inconsistencies _____
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?
<input type="checkbox"/>	<input type="checkbox"/>	11. Have all applicable zoning approvals been obtained? NOT APPLICABLE
<input type="checkbox"/>	<input checked="" type="checkbox"/>	12. Is there a municipal subdivision and land development ordinance?

SECTION C. AGENCY REVIEW (continued)

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	13. Is this proposal consistent with the ordinance? <i>NOT APPLICABLE</i> If no, describe the inconsistencies _____
<input checked="" type="checkbox"/>	<input type="checkbox"/>	14. Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies _____
<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 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 _____
17. Name, title and signature of planning agency staff member completing this section:		
Name: <u>Frances M. Taylor</u>		
Title: <u>Secretary</u>		
Signature: <u>Frances M. Taylor</u>		
Date: <u>3/11/19</u>		
Name of Municipal Planning Agency: <u>Elk Township</u>		
Address <u>1395 Fulton Road, Shipperville, PA 16254</u>		
Telephone Number: <u>814 - 782 - 3775</u>		

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

This component does not limit municipal 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 planning agency must complete this component within 60 days.

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

Section E

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

Maple Drive & SR 208 Lift Stations (Upgrades/Replacement)

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

1. Date plan received by county planning agency 02-04-2019
2. Date plan received by planning agency with areawide jurisdiction N/A
Agency name _____
3. Date review completed by agency 02-15-2019

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 areawide zoning ordinance? <u>CLAYTON COUNTY AIRPORT ZONING ORDINANCE 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 type="checkbox"/>	<input checked="" type="checkbox"/>	11. Have all applicable zoning approvals been obtained? <i>NONE NEEDED</i>
<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><i>N/A - NOT A SUBDIVISION</i></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><i>KEVIN L. REICHAARD</i></u>		
Title: <u><i>CLARION COUNTY ENGINEER</i></u>		
Signature: <u><i>[Signature]</i></u>		
Date: <u><i>02-15-2019</i></u>		
Name of County or Areawide Planning Agency: <u><i>CLARION COUNTY DEPARTMENT OF PLANNING & DEVELOPMENT</i></u>		
Address: <u><i>ADMINISTRATIVE BUILDING, 330 MAIN STREET, CLARION, PA. 16214</i></u>		
Telephone Number: <u><i>814-226-4000, EXT. 2803</i></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.

Section F

COMPONENT 3 - SEWAGE FACILITIES PLANNING MODULE



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 Maple Drive & SR 208 Lift Stations (Upgrades/Replacement)

2. Brief Project Description The Maple Drive project consists of a pre-case concrete wet well, new wastewater lift station consisting of two (2) submersible solids handling pumps, concrete valve/metering vault, access road, site fencing, emergency generator, electrical equipment, SCADA, site security and approximately 180 LF of interconnecting force main. The new lift station will replace the existing station which serves homes along the Maple Drive area of the Paint Elk system. The SR 208 project consists of a new wastewater lift station consisting of two (2) submersible solids handling pumps, pre-cast concrete wetwell, concrete valve/metering vault, access road, site fencing, emergency generator, electrical equipment, SCADA, site security and approximately 1,850 LF of interconnecting force main. The new station will be located on a new site north of the existing station. The new lift station will replace the existing station which serves a few homes in Elk Township near the Shippenville Borough border. The station will also be sized to serve a future expansion area in the Evergreen Drive Area along SR 208. The future expansion area would serve 42 additional EDU's according to a preliminary engineering report by Koppel Engineers prepared for Elk Township. Both of the proposed stations will have an increased flow capacity over the existing stations.

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

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

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Maple Drive & SR 208 Lift Stations (Upgrades/Replacement)

Site Location Line 1 Shippenville, PA		Site Location Line 2		
Site Location Last Line -- City Shippenville	State PA	ZIP+4 16214	Latitude 41.24606 41.25720	Longitude -79.44601 -79.45885

Detailed Written Directions to Site Maple Drive Lift Station: From US-322/PA-208 intersection, head east on US 322 for approximately 1 miles. Site will be located on the right.

SR 208 Lift Station: From US-322/PA-208 intersection, head north on PA 208 for approximately 0.25 miles. Site will be located on the right.

Description of Site The Maple Drive site currently has an existing lift station that is in need of improvements. The property is shared by the existing waste water treatment facility. The SR 208 site is currently an open lot surrounded by a residential area.

Site Contact (Developer/Owner)

Last Name Fiscus	First Name Jed	MI A	Suffix P.E.	Phone 814-226-9083	Ext. 4302
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Site Contact Title Senior Project Engineer
Site Contact Firm (if none, leave blank) Pennsylvania-American Water Company

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

Last Name Hargenrader	First Name Garret	MI J	Suffix P.E.
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Title Senior Project Engineer
Consulting Firm Name Gwin, Dobson and Foreman, Inc.

Mailing Address Line 1 3121 Fairway Drive
Mailing Address Line 2

Address Last Line -- City Altoona	State PA	ZIP+4 16602	Country US
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Email ghargenrader@gdfengineers.com
Area Code + Phone 814-943-5214
Ext.
Area Code + FAX 814-943-8494

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.

Name of water company: Pennsylvania-American Water Company

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.

5/2/19

REVISED 5/13/19

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 - Two (GSH - 5/13/19)
- Force Main
- Grinder pump(s)
- Extension to existing collection system
- Expansion of existing facility

Clean Streams Law Permit Number WQM Permit No. 1690402

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's SR 208 - 6 Currently
SR 208 - 48 Future
MAPLE DRIVE - 20 Currently
 Connections 26 (currently), 68 (future) (GSH - 5/2/19) (GSH - 5/2/19)

Name of:

existing collection or conveyance system Paint-Elk Sewage Collection System

owner Pennsylvania-American Water Company

existing interceptor Maple Drive & SR 208 North Interceptor

owner Pennsylvania-American Water Company

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 Facility (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 Company

Name of Responsible Agent David R. Kaufman, P.E.

Agent Signature [Signature] Date _____

(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.

- | | |
|---|---|
| <ul style="list-style-type: none"> 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. | <ul style="list-style-type: none"> 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.

(PHMC APPROVAL IS EXEMPT FOR COMPONENT 3 PLANNING APPROVAL UNDER DEP FORM 0120-PM-PY0003A).

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 GJH.

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.

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 144,000 gpd (GJH-5/8/14)
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	12,698	144,000	2,000	7,200	12,698	45,648
Conveyance	12,698	144,000	2,000	7,200	12,698	45,648
Treatment	600,000	3,000,000	130,000	300,000	600,000	3,000,000

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 Company
 Name of Responsible Agent David R. Kaufman, P.E.
 Agent Signature [Signature] Date 1/12/15

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 201,600 gpd (GSH-5/8/19)
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	18,864	201,600	16,800	60,500	18,864	67,000
Conveyance	18,864	201,600	16,800	60,500	18,864	67,000
Treatment	600,000	3,000,000	130,000	300,000	600,000	3,000,000

(GSH-5/8/19)

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 Company
 Name of Responsible Agent David R. Kaufman, P.E.
 Agent Signature [Signature] Date 1/12/19

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

c. Conveyance System

Name of Agency, Authority, Municipality Pennsylvania-American Water Company

Name of Responsible Agent David R. Kaufman, P.E.

Agent Signature 

Date 1/12/19

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 Company

Name of Responsible Agent David R. Kaufman, P.E.

Agent Signature 

Date 1/12/19

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 144,000 (SR 208) (GJH-5/8/14)
201,600 (MAPLE) 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 Pennsylvania-American Water Company
Name of Responsible Agent David R. Kaufman, P.E.
Agent Signature [Signature]
Date 1/12/19

c. Conveyance System
Name of Responsible Organization Pennsylvania-American Water Company
Name of Responsible Agent David R. Kaufman, P.E.
Agent Signature [Signature]
Date 1/12/19

5. Treatment Facility

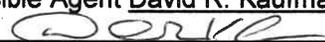
The questions below are to be answered by a representative of the facility permittee. The individual signing below must be legally authorized to make representation for the organization.

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 Pennsylvania-American Water Company - Clarion Wastewater Plant
 Name of Responsible Agent David R. Kaufman, P.E.
 Agent Signature 
 Date 1/12/19

(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)

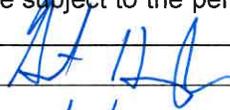
- 9. Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
- 10. Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
- 11. Will sewage facilities discharge 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.

Garret J. Hargenrader, P.E.

Name (Print)



Signature

Senior Project Engineer

Title

4/2/19

Date

3121 Fairway Drive, Altoona, PA 16602-4496

Address

814-943-5214

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.

$$\# \text{ _____ Lots (or EDUs) X } \$50.00 = \$ \text{ _____}$$

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:

$$\begin{aligned} & \$ 1,500 \text{ per submittal (non-municipal)} \\ & \$ 500 \text{ per submittal (municipal)} \end{aligned}$$

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

$$\# \text{ _____ Lots (or EDUs) X } \$35.00 = \$ \text{ _____}$$

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:

$$\begin{aligned} & \$ 1,500 \text{ per submittal (non-municipal)} \\ & \$ 500 \text{ per submittal (municipal)} \end{aligned}$$

Revised Date: 5/10/19

Section G

PROJECT NARRATIVE

1. Introduction

a. Maple Drive Lift Station

The existing lift station serves the Maple Drive area of the system and is located just below the Paint-Elk Wastewater Treatment Plant. The station has a current pump capacity of approximately 60 gpm. The station has a projected peak daily flow of 0.067 MGD (47 gpm) from the 2017 Chapter 94 Report. Pennsylvania American Water proposes a complete replacement of the existing station including new pumps, wetwell, controls, electrical equipment, emergency generator, access road improvements, site fencing, SCADA, interconnecting forcemain and gravity sewer. A new valve/meter vault will also be constructed. The generator, electrical gear, SCADA and ATS will be housed in a new CMU building.

b. SR 208 North Lift Station

The existing lift station serves a few homes in the SR 208 area of the system and is located just north of the SR 208/322 intersection. The existing station is in poor shape and in need of a complete replacement. The station has a current pump capacity of approximately 46 gpm. The station has a projected peak daily flow of 0.008 MGD (5.6 gpm) from the 2017 Chapter 94 Report. Pennsylvania American Water proposes a complete replacement of the existing station including new pumps, wetwell, controls, electrical equipment, emergency generator, access road improvements, site fencing, SCADA, interconnecting forcemain and gravity sewer. The new station will be located on a new site just north of the existing station. A new valve/meter vault will also be constructed. The generator, electrical gear, SCADA and ATS will be housed in a new CMU building.

The proposed station will be designed to account for potential expansion of the service area in the Evergreen Drive area Long SR 208 per the preliminary planning documents prepared by Elk Township. The existing station will be demolished once the new station is in operation.

The 1.25" diameter forcemain will be replaced with approximately 1,850 LF of new 4" diameter forcemain from the proposed station to the existing discharge manhole on Motter Street in Shippenville Borough.

2. Basis of Design

a. Maple Drive Lift Station

1) General

A new submersible lift station will be constructed adjacent to the existing station. The proposed 4" diameter forcemain from the station will be connected to the existing 8" diameter forcemain from the Shippenville Lift Station. The connection point is approximately 180 LF from the proposed station. A model was analyzed to determine the total head at the forcemain connection point with and without the Shippenville pumps running. Station design flow figures were derived as follows:

Revised Date: 5/2/19

Section G: PROJECT NARRATIVE

General Pumping Information:

Peak Daily Peak Flow (pdf): 47.0 gpm (per Chapter 94 Report)
Peak Instantaneous Flow: 117.5 gpm (2.5 peaking factor)
Minimum FM Velocity Flow: 87.2 gpm (through proposed 4" FM)
Static Head w/ Shipperville Pumps Running: 38.71 ft
Static Head w/ Shipperville Pumps Off: 33.13 ft
Total Headloss to discharge (w/ Shipperville Pumps Running): 49 ft
Total Headloss to discharge (w/ Shipperville Pumps Off): 39 ft

Pump Design Flow Rate: GPM: 140 gpm @ 49 ft TDH

2) Pump Description

Two (2) Flygt Model No. NP3085, cast iron, 4.5" diameter impeller, constant speed, 4 HP, 3415 rpm, three phase, 230 Volt, submersible grinder non-clog sewerage pumps are proposed. Each pump has the duty points of **140 gpm at 49 feet TDH** and **200 gpm at 54 feet TDH**. Shut off head shall be **54 feet (minimum)**. The pump performance curves and design calculations can be found in the Appendix. One (1) pump can easily handle the peak instantaneous design flow, while maintaining a minimum two (2) ft/s velocity.

3) Controls

Both pumps feature a manual override but the normal operating conditions for the pumps are based on a "Lead"/"Lag" controlled by level obtained from a submerged pressure transducer.

4) Wet Well

The precast concrete wet well was sized based on the average daily peak flow rate. The pump "ON" and "High Level Alarm" settings were also calculated based on this flow rate. These levels can be adjusted by the operator at a later date based upon future flow rates.

Wet Well Design Features:

Wet Well Diameter = 6 feet
Wet Well Depth = 13 feet
Volume Per Foot of Wet Well Depth = 212 gallons
Total Storage Volume of Wet Well = 1,276 gallons

Revised Date: 5/2/19

Section G: PROJECT NARRATIVE

Initial Wet Well Pump Control Data:

Top of Wet Well Elevation = 1191.0
Wet Well Invert Elevation = 1178.00
Pump Intake Elevation = 1178.50
Pump Off Elevation = 1179.00
Minimum Water Surface Elevation = 1179.00
Lead Pump On Elevation = 1182.00
Lag Pump On Elevation = 1182.50
High Level Alarm Elevation = 1183.50
Lowest Inlet Pipe Invert Elevation = 1184.00

The wet well and valve/meter vault feature the following appurtenances: sloped bottom, submerged pressure transducers, back-up high-level float, guide rails with lifting device, trash rack, screened vent pipe, access hatch, swing check valve, plug valve, pressure gauge, flow meter and quick connection clean-out.

5) Forcemain

The proposed forcemain will be 4" diameter to the connection point of the existing 8" Shipperville forcemain approximately 180 LF from the proposed station. Approximately 525 LF of the existing Shipperville forcemain will be utilized to the discharge point near the Paint-Elk WWTP. A check and plug valve will be installed in a vault at the connection point to the existing main.

6) Electrical Requirements/Alarms

The electrical service to the site will be 230V, three phase. All control equipment will be housed inside a new CMU building where the onsite emergency generator will also be placed. Lead/lag pump control will be programmed on level from the submerged pressure transducer. A redundant transducer will be placed inside the wet well in the event of the primary transducer failing. In the event of both transducers failing, a backup high level float will also be placed inside the wet well in the event of an emergency. The generator will be sized to power both pumps in the event of a power outage, where the automatic transfer switch will transfer power from the primary utility to the generator. The lift station will also feature a cellular alarm dialer.

3. SR 208 North Lift Station

a. General

A new submersible lift station will be constructed on a property adjacent to the existing station. New 4" diameter forcemain will be extended from the station to the discharge location along Motter Street. The connection point is approximately 1,850 LF from the proposed station. Station design flow figures were derived as follows:

Revised Date: 5/2/19

Section G: PROJECT NARRATIVE

General Pumping Information:

Peak Daily Flow (pdf): 5.6 gpm (per Chapter 94 Report)

Average Daily Flow (adf): 1.6 gpm

Evergreen Drive Future Expansion Area Average Daily Flow (adf): 7.3 gpm (Based on 42 additional EDU's from Prelim. Engineering Report)

Projected Average Daily Flow (adf): 8.8 gpm

Projected Daily Peak Flow (pdf): 31.7 gpm

Design Peak Instantaneous Flow: 93.4 gpm (2.5 peaking factor)

Minimum FM Velocity Flow: 87.2 gpm (through proposed 4" FM)

Static Head: 71 ft.

Total Headloss to discharge: 24 ft.

Pump Design Flow Rate: GPM: 100 gpm @ 95 ft. TDH

b. Pump Description

Two (2) Flygt Model No. NP3127, cast iron, 5.7" diameter impeller, constant speed, 11 HP, 3495 rpm, three phase, 460 Volt, submersible grinder non-clog sewerage pumps are proposed. Each pump has the duty points of **100 gpm at 95 feet TDH** and **150 gpm at 119 feet TDH**. Shut off head shall be **119 feet** (minimum). The pump performance curves and design calculations can be found in the Appendix. One (1) pump can easily handle the peak instantaneous design flow, while maintaining a minimum two (2) ft/s velocity.

c. Controls

Both pumps will feature a manual override but the normal operating conditions for the pumps are based on a "Lead"/"Lag" controlled by level obtained from a submerged pressure transducer.

d. Wet Well

The precast concrete wet well was sized based on the average daily peak flow rate. The pump "ON" and "High Level Alarm" settings were also calculated based on this flow rate. These levels can be adjusted by the operator at a later date based upon future flow rates.
Wet Well Design Features:

Wet Well Diameter = 6 feet

Wet Well Depth = 11 feet

Volume Per Foot of Wet Well Depth = 212 gallons

Total Storage Volume of Wet Well = 1,276 gallons

Revised Date: 5/2/19

Section G: PROJECT NARRATIVE

Initial Wet Well Pump Control Data:

Top of Wet Well Elevation = 1361.0
Wet Well Invert Elevation = 1350.00
Pump Intake Elevation = 1350.50
Pump Off Elevation = 1351.0
Minimum Water Surface Elevation = 1351.0
Lead Pump On Elevation = 1353.0
Lag Pump On Elevation = 1354.5
High Level Alarm Elevation = 1355.5
Lowest Inlet Pipe Invert Elevation = 1356.0

The wet well and valve/meter vault feature the following appurtenances: sloped bottom, submerged pressure transducers, back-up high-level float, guide rails with lifting device, trash rack, screened vent pipe, access hatch, swing check valve, plug valve, pressure gauge, flow meter and quick connection clean-out.

e. Forcemain

The proposed forcemain will be 4" diameter from the proposed station location to the discharge point along Motter Street in Shippenville (approximately 1,850 LF). The proposed forcemain will be HDPE DR-11. This portion of line along SR 208 will be installed by directional drill (HDD) method.

f. Electrical Requirements/Alarms

The electrical service to the site will be 230V, three phase. All control equipment will be housed inside a new CMU building where the onsite emergency generator will also be placed. Lead/lag pump control will be programmed on level from the submerged pressure transducer. A redundant transducer will be placed inside the wet well in the event of the primary transducer failing. In the event of both transducers failing, a backup high level float will also be placed inside the wet well in the event of an emergency. The generator will be sized to power both pumps in the event of a power outage, where the automatic transfer switch will transfer power from the primary utility to the generator. The lift station will also feature a cellular alarm dialer.

Section H

ALTERNATIVE SEWAGE FACILITIES ANALYSIS

The following is a discussion of project alternatives based upon the content requirements as specified in DEP form 3800-FM-BPNPS0353 entitled "Instructions for Completing Component 3 Sewage Collection and Treatment Facilities."

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 proposed project consists of two (2) new wastewater lift station consisting of new duplex suction lift pumps, pre-cast concrete wetwell, controls, electrical equipment, emergency generator, access road, site fencing, SCADA, flow metering, site security and interconnecting force main and gravity sewer.

The Maple Drive lift station will replace an existing lift station at the existing site and is required due to the lift station reaching the end of its useful life. The current lift station is located on a parcel of land adjacent to the Paint-Elk wastewater treatment facility in Shipperville, Pennsylvania. Access to the site is attainable via a stabilized road.

The SR 208 lift station will replace an existing lift station at a new site and is required due to the lift station reaching the end of its useful life. The new lift station is located just north of the old station on a parcel of land approximately one-half mile north from the US 322/PA 208 intersection in Shipperville, Pennsylvania. Access to the site is not presently available but will be attained via a stabilized drive once construction begins.

Neither project proposes any new sewage disposal methods, as the lift stations will both convey waste to the existing Paint-Elk wastewater treatment plant. The existing sewage disposal method at the plant will remain in place.

The estimated peak daily flow from the Maple Drive lift station in 2017 was 0.061 MGD with a projected flow in 2019 of 0.067 MGD based on the 2017 Chapter 94 report. The estimated peak daily flow from the SR 208 lift station in 2017 was 0.007 MGD with a projected flow in 2019 of 0.008 MGD based on the 2017 Chapter 94 report. This project is intended to be a long term installation to help convey waste within the Paint-Elk system. Because these installations are lift stations, effluent limitations are not at all affected.

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.**

The Maple Drive project area has already been developed as the existing lift station is located at the site. The surrounding area consists of the wastewater treatment facility, a few residential areas and a majority of it is forested. All adjacent uses are presently served by public sewer.

Revised Date: 5/2/19 Section H: ALTERNATIVE SEWAGE FACILITIES ANALYSIS

The SR 208 lift station site is currently surrounded by residential properties that would be served by the conveyance system. All of these properties are also served by public sewer.

Public sewer service is intended to be the ultimate method of sewage conveyance for all properties within both project areas.

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?**

The current lift stations are fully compliant but has simply reached the end of its useful service life.

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.).**

The current disposal method directing all sewage to the Paint-Elk wastewater treatment plant operated by Pennsylvania-American Water Company will continued to be utilized after this project.

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.**

This project does not include the construction of a DEP-permitted non-municipal sewage treatment facility and, therefore, 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.**

This project does not propose any sewage disposal methods, as the lift stations will convey waste to the existing Paint-Elk wastewater treatment plant. The existing sewage disposal method at the plant will remain in place.

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.**

This project does not propose any sewage disposal methods, as the lift stations will convey waste to the existing Paint-Elk wastewater treatment plant. The existing sewage disposal method at the plant will remain in place.

Section H: ALTERNATIVE SEWAGE FACILITIES ANALYSIS

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 Company will own, operate, maintain and assume all responsibility dealing with the proposed lift stations. Pennsylvania-American Water Company is a public utility which owns and operates several other wastewater systems in Pennsylvania, including the nearby Clarion system.

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.**

This project does not propose any sewage disposal methods, as the lift station will convey waste to the existing Paint-Elk wastewater treatment plant. The existing sewage disposal method at the plant will remain in place.

Section I

CHAPTER 94 CONSISTENCY DETERMINATION

See attached 2017 Chapter 94 Municipal Wasteload Management Report for the Paint-Elk Wastewater Treatment Plant and Collection System.



CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT REPORT

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

NPDES PERMIT: PA0034924

OPERATING YEAR: 2017



3800-FM-BPNPSM0507 4/2014

Chapter 94 Report



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

CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT

For Calendar Year:

- Permittee is owner and/or operator of a POTW or other sewage treatment facility
- Permittee is owner and/or operator of a collection system tributary to a POTW not owned/operated by permittee

GENERAL INFORMATION	
Permittee Name: Pennsylvania-American Water Company	Permit No.: PA0034924
Mailing Address: 800 West Hersheypark Drive	Effective Date: October 1, 2016
City, State, Zip: Hershey, PA 17033	Expiration Date: September 30, 2021
Contact Person: Jed Fiscus	Renewal Due Date: March 31, 2021
Title: Senior Project Engineer	Municipality: Paint Township
Phone: 814-226-9083	County: Clarion
Email: jed.fiscus@amwater.com	Consultant Name: N/A
CHAPTER 94 REPORT COMPONENTS	
<p>1. Attach to this report a line graph depicting the monthly average flows (expressed in MGD) for each month for the past 5 years and projecting the flows for the next 5 years. The graph must also include a line depicting the hydraulic design capacity per the WQM permit (25 Pa. Code § 94.12(a)(1))</p> <p>Check the appropriate boxes:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Line graph for flows attached (Appendix B) <input checked="" type="checkbox"/> DEP Chapter 94 Spreadsheet used (Appendix A) <input type="checkbox"/> Section 1 is not applicable (report is for a collection system). 	
<p>2. Attach to this report a line graph depicting the monthly average organic loads (express as lbs BOD5/day) for each month for the past 5 years and projecting the organic loads for the next 5 years. The graph must also include a line depicting the organic design capacity of the treatment plant per the WQM permit (25 Pa. Code § 94.12(a)(2))</p> <p>Check the appropriate boxes:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Line graph for organic loads attached (Appendix C) <input checked="" type="checkbox"/> DEP Chapter 94 Spreadsheet used (Appendix A) <input type="checkbox"/> Section 2 is not applicable (report is for a collection system). 	
<p>3. If the DEP Chapter 94 Spreadsheet was not used to determine projections, discuss the basis for the hydraulic and organic projections. In all cases, include a description of the time needed to expand the plant to meet the load projections, if necessary, and data used to support the projections should be included in an appendix to this report. (25 Pa. Code § 94.12(a)(3)) Not applicable.</p>	

4. Attach a map showing all sewer extensions constructed within the past calendar year, sewer extensions approved or exempted in the past year in accordance with Act 537 and Chapter 71, but not yet constructed, and all known proposed projects which require public sewers but are in the preliminary planning stages. The map must be accompanied by a list summarizing each extension or project and the population to be served by the extension or project. If a sewer extension approval or proposed project includes schedules describing how the project will be completed over time, the listing should include that information and the effect this build-out-rate will have on populations served. (25 Pa. Code § 94.12(a)(4))

Check the appropriate boxes:

- Map showing sewer extensions constructed, approved/exempted but not yet constructed, and proposed projects attached (**Attachment I**)
- List summarizing each extension or project attached (**Attachment**)
- Schedules describing how each project will be completed over time and effects attached (**Attachment**)

Comments:

Sewer extension/interconnection to the Shippenville wastewater system was completed in 2017 per the Approved Act 537 plan. See attached for a map of the extension.

5. Discuss the permittee's program for sewer system monitoring, maintenance, repair and rehabilitation, including routine and special activities, personnel and equipment used, sampling frequency, quality assurance, data analyses, infiltration/inflow monitoring, and, where applicable, maintenance and control of combined sewer regulators during the past year. Attach a separate sheet if necessary. (25 Pa. Code § 94.12(a)(5))

See Report Narrative.

6. Discuss the condition of the sewer system including portions of the system where conveyance capacity is being exceeded or will be exceeded in the next 5 years and portions where rehabilitation or cleaning is needed or is underway to maintain the integrity of the system and prevent or eliminate bypassing, CSOs, SSOs, excessive infiltration and other system problems. Attach a separate sheet if necessary. (25 Pa. Code § 94.12(a)(6))

Check the appropriate boxes:

- System experienced capacity-related bypassing, SSOs or surcharging during the report year. On a separate sheet, list the date, location, and reason for each bypass, SSO or surcharge event.
- System did not experience capacity-related bypassing, SSOs or surcharging during the report year.

Comments:

See Report Narrative.

7. Attach a discussion on the condition of sewage pumping (pump) stations. Include a comparison of the maximum pumping rate with present maximum flows and the projected 2-year maximum flows for each station. (25 Pa. Code § 94.12(a)(7))

Check the appropriate boxes:

- The collection system does not contain pump stations
 The collection system does contain pump stations (**Number - 5**)
 Discussion of condition of each pump station attached (**See Report Narrative**)

8. If the sewage collection system receives industrial wastes (i.e., non-sanitary wastes), attach a report with the information listed below. (25 Pa. Code § 94.12(a)(8))

- a. A copy of any ordinance or regulation governing industrial waste discharges to the sewer system or a copy of amendments adopted since the initial submission of the ordinance or regulation under Chapter 94, if it has not previously been submitted.
- b. A discussion of the permittee's or municipality's program for surveillance and monitoring of industrial waste discharges into the sewer system during the past year.
- c. A discussion of specific problems in the sewer system or at the plant, known or suspected to be caused by industrial waste discharges and a summary of the steps being taken to alleviate or eliminate the problems. The discussion shall include a list of industries known to be discharging wastes which create problems in the plant or in the sewer system and action taken to eliminate the problem or prevent its recurrence. The report may describe pollution prevention techniques in the summary of steps taken to alleviate current problems caused by industrial waste dischargers and in actions taken to eliminate or prevent potential or recurring problems caused by industrial waste dischargers.

Check the appropriate boxes:

- Industrial waste report as described in 8 a., b. and c. attached (**Attachment**)
 Industrial pretreatment report as required in an NPDES permit attached (**Attachment**)

9. Existing or Projected Overload.

Check the appropriate boxes:

- This report demonstrates an existing hydraulic overload condition.
 This report demonstrates a projected hydraulic overload condition.
 This report demonstrates an existing organic overload condition.
 This report demonstrates a projected organic overload condition.

If one or more boxes above have been checked, attach a Corrective Action Plan (CAP) to reduce or eliminate present or projected overloaded conditions under §§ 94.21 and/or 94.22 (relating to existing overload and projected overload). (25 Pa. Code § 94.12(a)(9))

- Corrective Action Plan attached (**Attachment**)

10. Where required by the NPDES permit, attach a Sewage Sludge Management inventory that demonstrates a mass balance of solids coming in and leaving the facility over the previous calendar year.

- Sewage Sludge Management Inventory attached ()

3800-FM-BPNP6M0507 4/2014
Chapter 94 Report

11. For facilities with CSOs and where required by the NPDES permit, attach an Annual CSO Report (including satellite combined sewer systems).

Annual CSO Report attached (Attachment)

12. For POTWs, attach a calibration report documenting that flow measuring, indicating and recording equipment has been calibrated annually. (25 Pa. Code § 94.13(b))

Flow calibration report attached (Appendix E)

RESPONSIBLE OFFICIAL CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. §4904 (relating to unsworn falsification).

David R. Kaufman, P.E.



Name of Responsible Official

Signature

717-531-3303

3/17/18

Telephone No.

Date

PREPARER CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared by me or otherwise under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. §4904 (relating to unsworn falsification).

Jed A. Fiscus, P.E.



Name of Preparer

Signature

814-226-9083

3-19-18

Telephone No.

Date



CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT REPORT

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

NPDES PERMIT: PA0034924

OPERATING YEAR: 2017



PERMITEE SIGNATURE: _____

Jake Gentile, Superintendent - Operations
Pennsylvania-American Water Company

REPORT PREPARER SIGNATURE: _____

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

**Pennsylvania-American Water Company
Paint-Elk Wastewater
2017 Chapter 94 Report**

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. Hydraulic and Organic Loading Table**
- B. Hydraulic Loading Graph**
- C. Organic Loading Graph**
- D. WWTF Process Diagram**
- E. Calibration Reports for Flow Meters**
- F. Certifications and Training Transcripts for Operators**
- G. Tools and Equipment List**
- H. Collection System Summary Table**
- I. Shipperville Wastewater Extension/Interconnection Map**

Pennsylvania-American Water Company
Paint-Elk Wastewater
2017 Chapter 94 Report

1. Introduction

Pennsylvania-American Water Company (PAW) owns and operates the Paint-Elk Wastewater System that consists of a 0.600 MGD Wastewater Treatment Plant (WWTP), three (5) lift stations, and collection and conveyance sewers necessary to service portions of Paint and Elk Townships and Shippenville Borough. PAW acquired the Paint-Elk system on August 1, 2014 and acquired the Shippenville Borough system on August 4, 2015. A sewer main extension was completed in 2017 that interconnected the Shippenville system to the Paint-Elk system. The Shippenville system is now considered a basin within the Paint-Elk system.

The collection system serves portions of Paint and Elk Townships and Shippenville Borough. The PAWC Paint-Elk collection system (including Shippenville) consists of approximately **87,554** LF of various sizes of gravity pipe, **21,663** LF of force main and pressure sewer and approximately **439** 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 (Attachment B) illustrates the hydraulic loading on the treatment plant plotted from average daily flows for each month from **2013** to **2017** and the hydraulic loading approved by the National Pollutant Discharge Elimination System (NPDES) permit.

**Pennsylvania-American Water Company
Paint-Elk Wastewater
2017 Chapter 94 Report**

Attachment A provides a list of the average daily flows for each month from **2013 to 2017** with the annual average daily flow and 3-month maximum consecutive average daily flow for each year.

Based on the information in Attachment A, the average ratio of maximum month to average loading (peaking factor) for Years **2013 to 2017** is **1.230**.

3. Organic Loading (§94.12(a)2)

The organic loading graph (Attachment C) illustrates the organic loading on the plant plotted from average daily loadings for each month from **2013 to 2017** and the organic loading approved by the NPDES permit.

Attachment A provides a list of the average daily organic loadings for each month from **2013 to 2017** and the annual average load and maximum monthly load for each year. Based on the information in Attachment A, the average ratio of maximum month to average loading (peaking factor) for Years **2013 to 2017** is **1.81**. The loading is calculated by multiplying the average daily flow by the influent BOD.

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 **2018 to 2022**. 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 Shippenville WW system was interconnected to the Paint-Elk system in the fall of 2017. The projected EDUs for **2018-2022** 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

**Pennsylvania-American Water Company
Paint-Elk Wastewater
2017 Chapter 94 Report**

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).

Attachment A 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 (**2018 - 2022**). 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 in Appendices B and C.

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.

**Pennsylvania-American Water Company
Paint-Elk Wastewater
2017 Chapter 94 Report**

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 industrial users were connected to the system in Year **2017**.

7. Collection System Extensions

A sewer extension to Shippenville was completed in 2017. This extension included a lift station that was constructed at the site of the former Shippenville WWTP. The Shippenville Lift Station collects the waste from the Shippenville system and conveys it to the Paint-Elk WWTP.

No other new connections were made to the system in **2017**.

8. Wastewater Facilities Monitoring, Maintenance, Repair and Rehabilitation

PAW is responsible for the operation and maintenance of one 0.600 MGD wastewater treatment plant, five wastewater lift stations, and collection and conveyance sewers serving Paint Township and Elk Township and Shippenville Borough 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 two additional Operators. The certified operators' certificates and training transcripts are attached in Appendix F. The three operators work 8 hour days Monday through Friday and one operator works 3 hour days Saturday through Sunday.

**Pennsylvania-American Water Company
Paint-Elk Wastewater
2017 Chapter 94 Report**

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

**Pennsylvania-American Water Company
Paint-Elk Wastewater
2017 Chapter 94 Report**

and perform general housekeeping to keep the facilities clean. PAW performed the following repairs at the WWTP in 2017:

- Routine maintenance on generator

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)

Pennsylvania-American Water Company
Paint-Elk Wastewater
2017 Chapter 94 Report

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 five lift stations on the collection system in 2017. The five lift stations each have a pressurized force main that connects to the gravity system at various locations.

LIFT STATION CURRENT AND PROJECTED MAXIMUM EFFLUENT FLOWS

LIFT STATION EFFLUENT FLOWS				
LIFT STATION	MAX DAILY FLOW RATE (MGD)*	2017 MAX DAY (MG)**	PROJECTED 2-YEAR MAX DAY FLOW (MG)***	% of Max Pump Rate
Maple Drive	0.0864	0.0605	0.0670	78%
SR 66	0.2880	0.0451	0.0499	17%
Riverhill	0.5760	0.1890	0.2092	36%
SR 208 North	0.0662	0.0072	0.0080	12%
Shipperville	0.6048	0.3110	0.3442	57%
* Max daily flow rate based on design pump capacities of the lift stations. The max. daily flow is calculated from the max. flow rate.				
** Max day flow for all lift stations is based on 5-28-2017 flow. One of the highest WWTP influent flows for 2017 was recorded on this date due to a 2 day rainfall total over 3.5 inches of rain. The Shipperville LS was not online as of 5-28-2017 so the Shipperville WWTP flow was utilized. The				
*** Projected 2-Year Flow based on ratio of 2019 projected monthly hydraulic loading to 2017 average monthly hydraulic loading multiplied by the max day flow for 2017.				

Based on the above table 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 with some improvements needed to some of the stations. The improvements are currently in the planning stages. The lift stations are checked and run times are recorded usually five (5) days of the

**Pennsylvania-American Water Company
Paint-Elk Wastewater
2017 Chapter 94 Report**

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 electrical/control panel
- Riverhill Lift Station
 - Routine maintenance on generator
- SR 66 Lift Station
 - Replaced utility power pole
- SR 208 North Lift Station
 - Replaced electrical service and enclosure
- Shipperville Lift Station
 - New construction in 2017

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 **11-1-2017**.

APPENDIX A
HYDRAULIC AND ORGANIC
LOADING TABLE



**PADEP Chapter 94 Spreadsheet
Sewage Treatment Plants**

Reporting Year:

Facility Name:

Permit No.:

Persons/EDU:

Existing Hydraulic Design Capacity: MGD
 Upgrade Planned in Next 5 Years? Year:

Existing Organic Design Capacity: lbs BOD5/day
 Upgrade Planned in Next 5 Years? Year:

Future Hydraulic Design Capacity: MGD

Future Organic Design Capacity: lbs BOD5/day

Monthly Average Flows for Past Five Years (MGD)

Month	2013	2014	2015	2016	2017
January	0.229	0.214	0.097	0.1	0.166
February	0.181	0.175	0.088	0.1	0.184
March	0.194	0.205	0.181	0.116	0.13
April	0.216	0.257	0.149	0.095	0.125
May	0.128	0.186	0.094	0.069	0.167
June	0.162	0.214	0.147	0.067	0.116
July	0.176	0.151	0.074	0.065	0.135
August	0.113	0.122	0.053	0.068	0.09
September	0.112	0.126	0.062	0.068	0.076
October	0.124	0.119	0.083	0.068	0.095
November	0.172	0.162	0.065	0.052	0.162
December	0.293	0.136	0.102	0.075	0.114
Annual Avg	0.175	0.172	0.1	0.079	0.13
Max 3-Mo Avg	0.201	0.227	0.141	0.105	0.16
Max : Avg Ratio	1.15	1.32	1.41	1.33	1.23
Existing EDUs					
Flow/EDU (GPD)					
Flow/Capita (GPD)					
Exist. Overload?	NO	NO	NO	NO	NO

Monthly Average BOD5 Loads for Past Five Years (lbs/day)

Month	2013	2014	2015	2016	2017
January	408	215	163	153	188
February	233	228	164	122	282
March	347	387	180	111	125
April	384	314	155	104	152
May	388	238	143	117	97
June	226	181	130	21	85
July	315	252	160	68	142
August	304	368	150	100	159
September	548	333	186	84	133
October	297	271	167	68	158
November	962	327	155	90	244
December	320	218	175	51	107
Annual Avg	394	278	161	91	156
Max Mo Avg	962	387	186	153	282
Max : Avg Ratio	2.44	1.39	1.16	1.69	1.81
Existing EDUs					
Load/EDU					
Load/Capita					
Exist. Overload?	YES	NO	NO	NO	NO

Projected Flows for Next Five Years (MGD)

	2018	2019	2020	2021	2022
New EDUs	16.0	16.0	16.0	16.0	16.0
New EDU Flow	0.0056	0.0056	0.0056	0.0056	0.0056
Proj. Annual Avg	0.137	0.1426	0.1482	0.1538	0.1594
Proj. Max 3-Mo Avg	0.176	0.184	0.191	0.198	0.205
Proj. Overload?	NO	NO	NO	NO	NO

Projected BOD5 Loads for Next Five Years (lbs/day)

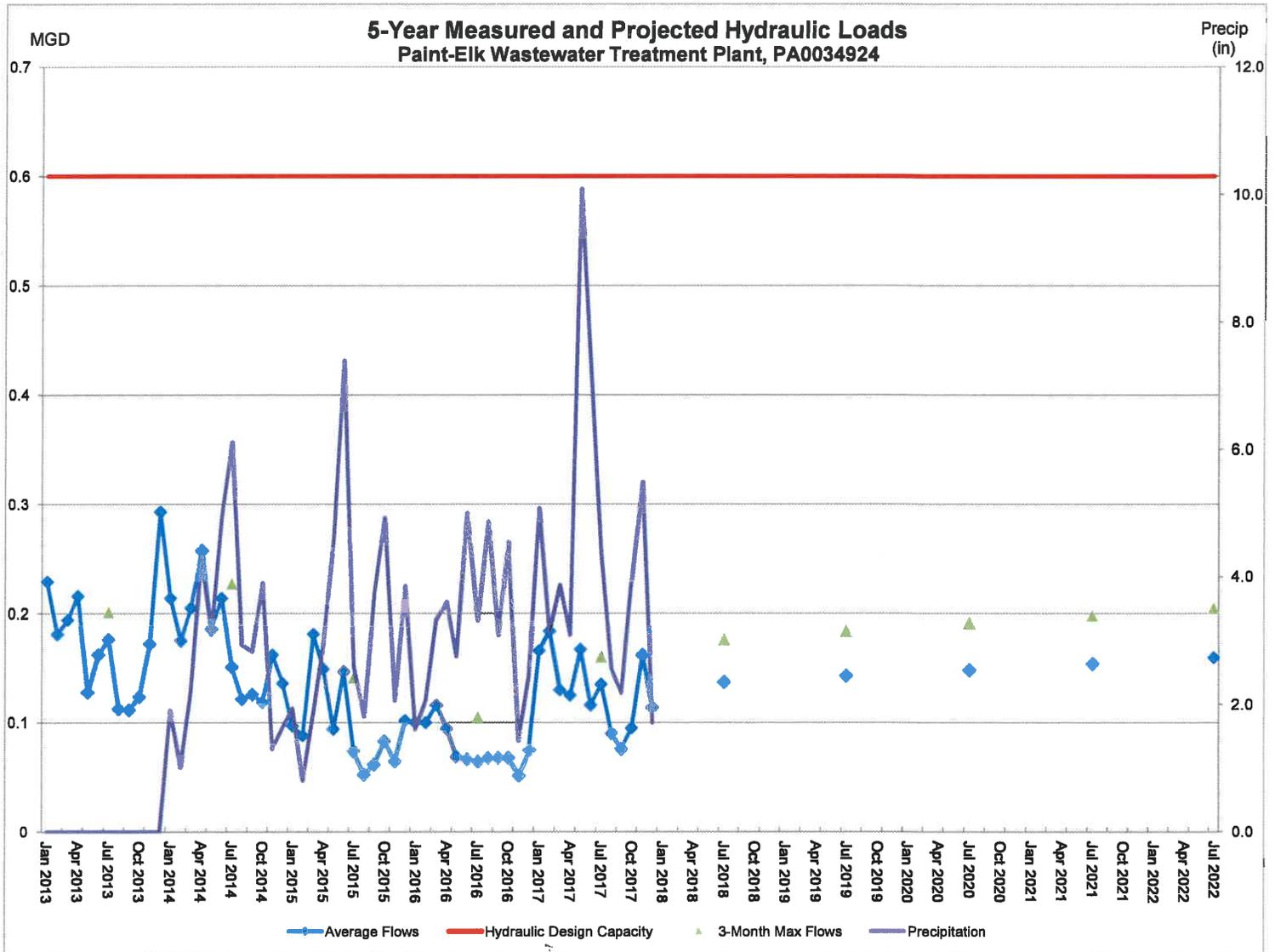
	2018	2019	2020	2021	2022
New EDUs	16	16	16	16	16
New EDU Load	9,344	9,344	9,344	9,344	9,344
Proj. Annual Avg	225	235	244	253	263
Proj. Max Avg	382	398	414	430	446
Proj. Overload?	NO	NO	NO	NO	NO

Show Precipitation Data on Hydraulic Graph?

Total Monthly Precipitation for Past Five Years (Inches)

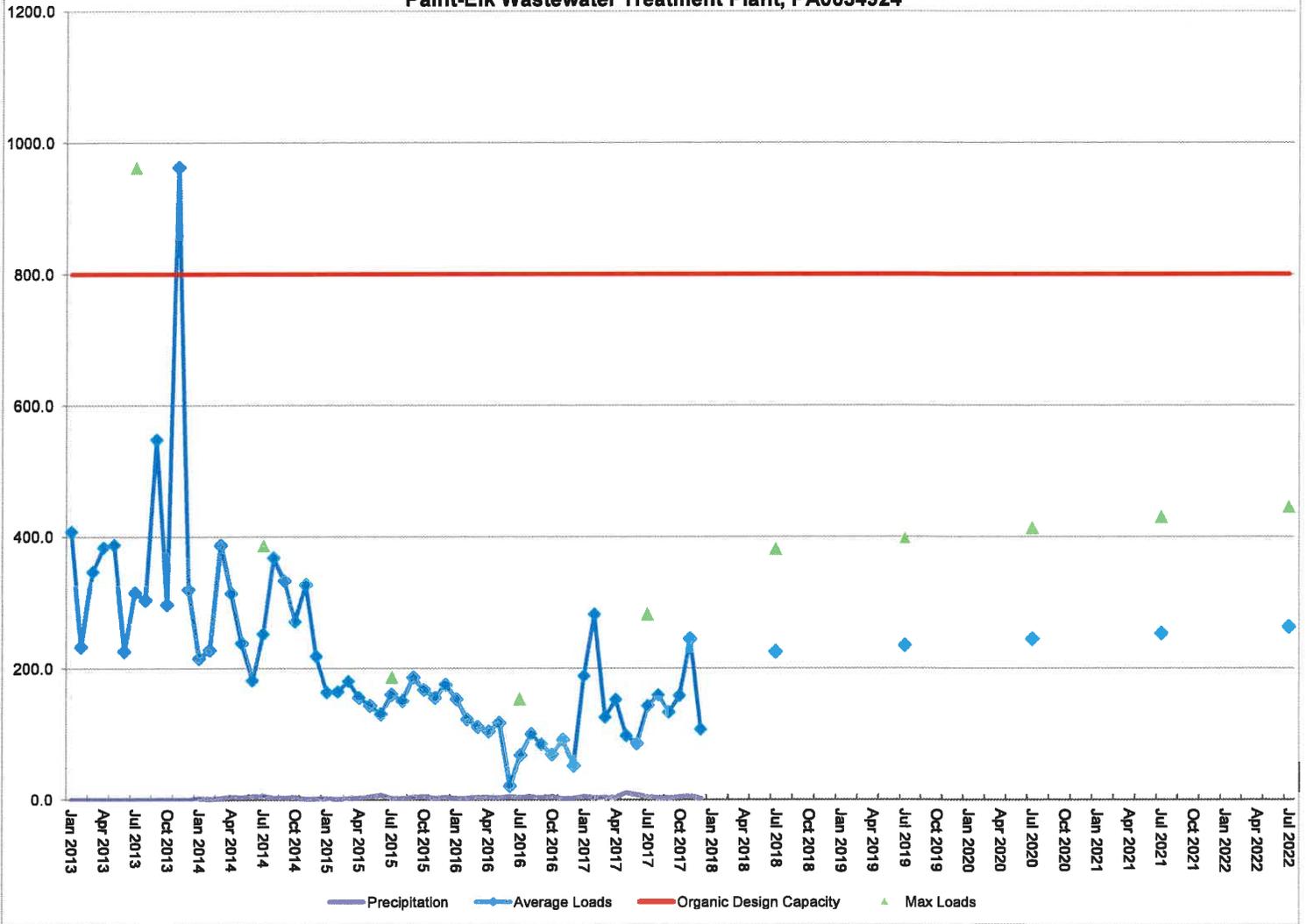
Month	2013	2014	2015	2016	2017
January		1.91	1.94	1.61	5.08
February		1.02	0.8	2.08	3.13
March		2.2	1.87	3.33	3.88
April		4.32	2.96	3.61	3.09
May		3.11	4.6	2.75	10.08
June		4.95	7.39	5.0	7.28
July		6.11	2.6	3.32	4.36
August		2.93	1.82	4.87	2.56
September		2.83	3.75	3.09	2.18
October		3.91	4.93	4.55	4.0
November		1.31	2.07	1.44	5.49
December		1.64	3.86	2.44	1.71

APPENDIX B
HYDRAULIC LOADING
GRAPH

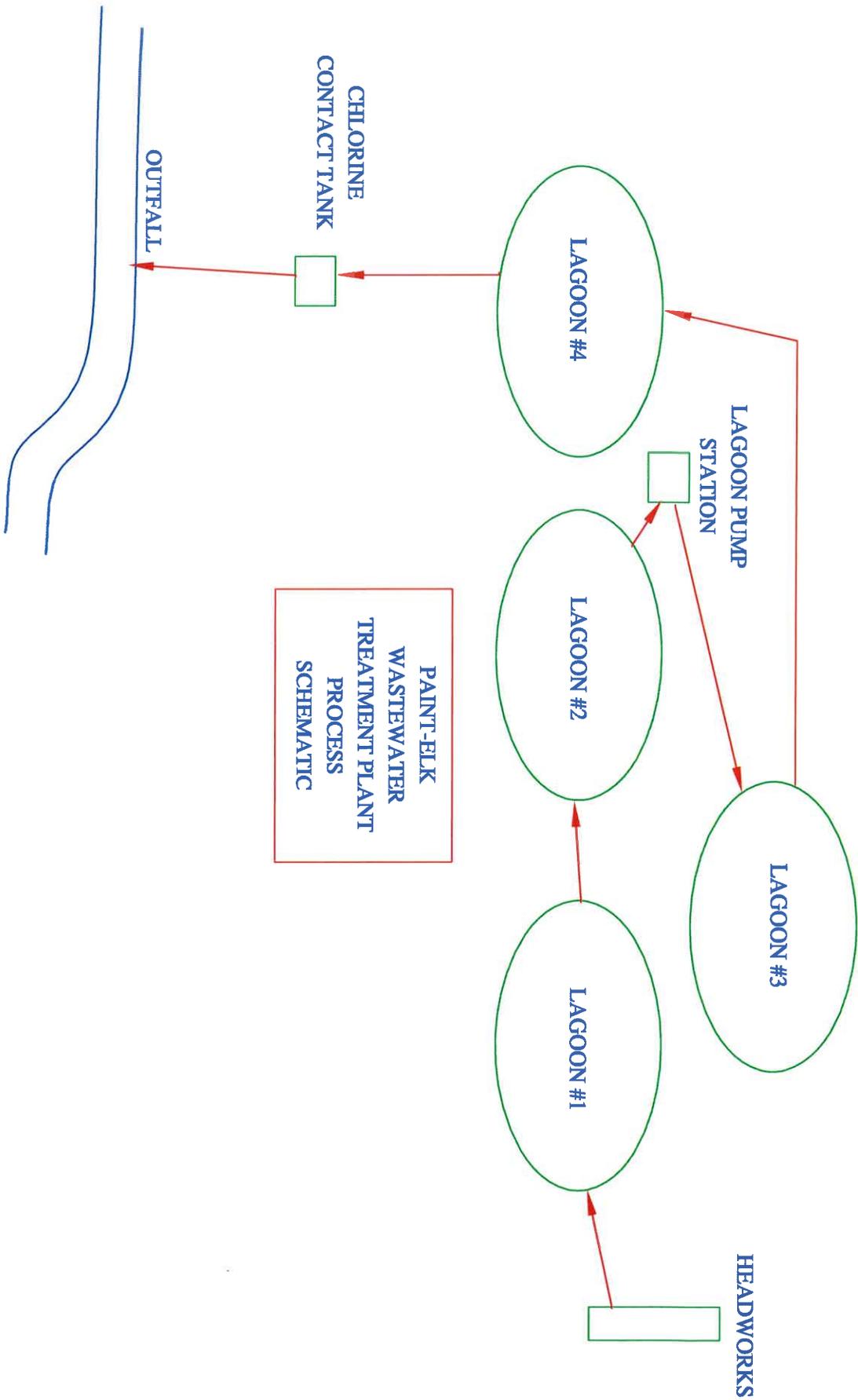


APPENDIX C
ORGANIC LOADING
GRAPH

5-Year Measured and Projected Organic Loads
Paint-Elk Wastewater Treatment Plant, PA0034924



APPENDIX D
WWTF PROCESS DIAGRAM



APPENDIX E
CALIBRATION REPORTS FOR FLOW METERS

HCS – Instrumentation Division326 Cycle Drive
Portersville, PA 16051
P: (724) 368-9282
F: (724) 368-9264

Certificate of Calibration

Customer: Paint Elk Waste WaterModel #: Badger 2100

S.N.: _____

Type of Primary Device: 6" Parshall FlumeDate of Calibration: 11-1-2017Remarks: Checked zero distance and in process flow, no
adjustments made.

Andrew Fornadley

**APPENDIX F
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*

MICHELLE L CAVALLIO

Is Hereby Authorized to Operate
WASTEWATER SYSTEM

Client ID: 199548

Class: C,E, Wastewater
Subclass: 1,3,4

MICHELLE L CAVALLIO
211 W FAIRMONT AVE
NEW CASTLE PA 16105-1909

Issue Date Dec 14, 2017
Expiration Date Sep 30, 2020

Certificate No. S20841


Board Chairman

EarthWise Academy Transcript

Wastewater Certification Courses

199548 MICHELLE CAVALLO
211 W FAIRMONT AVE
NEW CASTLE, PA 16105-1909

Friday, March 16, 2018 8:20:20 AM

Cycle Start Date: 10/1/2017

Certification Expires: 9/30/2020

Course ID	Course Name	Completion Date	Contact Hours
3990	Ergo-Power Injury Prevention Program	10/20/2017	4.0
2305	Emergency Response Plan Tabletop Exercise - In-House	10/26/2017	5.0
Total Contact Hours:			9.0

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

Water Certification Courses

199548 MICHELLE CAVALLO
211 W FAIRMONT AVE
NEW CASTLE, PA 16105-1909

Friday, March 16, 2018 8:20:20 AM

Cycle Start Date: 4/1/2018

Certification Expires: 3/31/2021

No matching course

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*

DANA L MCCLAINÉ

Is Hereby Authorized to Operate
WASTEWATER SYSTEM

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

Client ID: 198127

DANA L MCCLAINÉ
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 16214-3642		Wednesday, March 14, 2018 1:13:33 PM	
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
7324	Process Safety Management	2/15/2017	6.5
7701	Competent Person - Trench Awareness	9/12/2017	4.0
3990	Ergo-Power Injury Prevention Program	10/19/2017	4.0
2260	Basic Wastewater	1/19/2018	10.0
Total Contact Hours:			34.5
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: 1,2,3,5,4**

Client ID: 288704

**DAVID O BOHLANDER
553 CORBETT LN
CLARION PA 16214-7011**

**Issue Date Jan 01, 2018
Expiration Date Dec 31, 2020**

Certificate No. S17076

Joseph J. Swadoski
Board Chairman

EarthWise Academy Transcript

Wastewater Certification Courses

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

Wednesday, March 14, 2018 1:15:04 PM

Cycle Start Date: 1/1/2018

Certification Expires: 12/31/2020

No matching course

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

60101000

EarthWise Academy Transcript

Wastewater Certification Courses			
193237 RICHARD WEBB		Wednesday, March 14, 2018 1:16:54 PM	
441 PEG A NAL RD			
CRANBERRY, PA 16319-2703			
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
7701	Competent Person - Trench Awareness	9/11/2017	4.0
6114	Operation of Wastewater Treatment Plants	10/24/2017	5.0
6191	Hazard Communication Program	11/2/2017	2.5
Total Contact Hours:			32.5
Note: You have completed the DEP-required system security course.			

Water Certification Courses			
193237 RICHARD WEBB		Wednesday, March 14, 2018 1:16:54 PM	
441 PEG A NAL RD			
CRANBERRY, PA 16319-2703			
Cycle Start Date: 4/1/2016		Certification Expires: 3/31/2019	
Course ID	Course Name	Completion Date	Contact Hours
7701	Competent Person - Trench Awareness	9/11/2017	4.0
6191	Hazard Communication Program	11/2/2017	2.5
Total Contact Hours:			6.5
Note: You have completed the DEP-required system security course.			

APPENDIX G
TOOL AND EQUIPMENT LIST

**PAWC PAINT-ELK WASTEWATER
2017 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 H
COLLECTION SYSTEM SUMMARY TABLE

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

	2014	2015	2016	2017	TOTALS
Sanitary Sewer Overflows and bypasses	0	0	0	2	2
Basement flooding/back-up	0	0	0	0	0
Sanitary sewer blockage	1	1	0	1	3
Sanitary sewer pipe breaks	0	0	0	0	0
Service lateral blockages	0	0	0	0	0
Service lateral breaks	0	0	0	0	0
Service complaints	4	1	0	1	6
Sewer Mains (LF)					0
Rehab (lining or pipe bursting)	0	0	0	0	0
Replace	0	0	0	2,803	2,803
Smoke Testing	0	0	0	0	0
Cleaning	0	0	0	0	0
CCTV	0	0	61,457	0	61,457
New (Extensions)	0	0	0	8,300	8,300
Manholes (EA)					0
- Rehab	0	0	0	1	1
- Replace	0	0	0	10	10
- New Install	0	0	0	6	6
Service laterals (EA)					0
- Replace	1	0	0	1	2
- New	1	0	0	0	1

APPENDIX I
SEWER EXTENSION/INTERCONNECTION
MAP



Section J
MUNICIPAL NOTIFICATIONS

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

**CLARION CO COMMISSIONERS
421 MAIN ST
CLARION PA 16214**



9590 9402 3969 8079 6200 23

2. Article Number (Transfer from service label)

7018 0680 0000 9167 5109

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

SJE/18084

3. Service Type

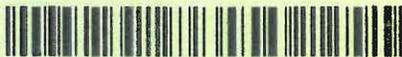
- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

**PAINT TWP SUPERVISORS
22139 RT 66
SHIPPENVILLE PA 16254**



9590 9402 3969 8079 6200 30

2. Article Number (Transfer from service label)

7018 0680 0000 9167 5093

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

18084/SJE

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

**ELK TWP SUPERVISORS
1395 FULTON RD
SHIPPENVILLE PA 16254**



9590 9402 3969 8079 6200 16

7018 0680 0000 9167 5086

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

- Agent
- Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? Yes
If YES, enter delivery address below: No

SJE/18084

3. Service Type

- Adult Signature
- Adult Signature Restricted Delivery
- Certified Mail®
- Certified Mail Restricted Delivery
- Collect on Delivery
- Collect on Delivery Restricted Delivery
- Insured Mail
- Priority Mail Express®
- Registered Mail™
- Registered Mail Restricted Delivery
- Return Receipt for Merchandise
- Signature Confirmation™
- Signature Confirmation Restricted Delivery

Domestic Return Receipt



GWIN
DOBSON &
FOREMAN
ENGINEERS

December 5, 2018

Clarion County Commissioners
421 Main Street
Clarion, PA 16214

Certified Mail No.: 7018 0680 0000 9167 5109

**RE: Pennsylvania-American Water Company
Maple Drive Lift Station, State Route 208 Lift Station and State Route 66 Lift Station
Paint and Elk Townships, Clarion County, PA
Act 14 Notification**

To Whom It May Concern:

The purpose of this notice is to inform you of our intent to submit an application to the Pennsylvania Department of Environmental Protection (DEP) for the following:

1. **Project Name:** Pennsylvania-American Water Company: Maple Drive Lift Station, State Route 208 Lift Station and State Route 66 Lift Station.
2. **Project Description:** The proposed project includes the necessary aspects of permitting, design and construction of three (3) wastewater lift stations including, but not limited to new pre-cast concrete wetwells, pumps, controls, electrical equipment, generators, access roads, fencing, flow metering, interconnecting force mains and other required appurtenances.
3. **Applicant Name:** Pennsylvania-American Water Company.
4. **Applicant Contact:** Jed A. Fiscus, P.E., Senior Project Engineer, Pennsylvania-American Water Company, 425 Waterworks Road, Clarion, PA 16214; Phone (814) 226-9083.
5. **Site Location:** The Maple Drive Lift Station project is located along US 322 at the existing waste water treatment facility approximately one mile east from the US 322/PA 208 intersection in Shippenville. The State Route 208 Lift Station is located off of PA 208 about one half mile north of the US 322/PA 208 intersection in Shippenville. The State Route 66 Lift Station project is located along PA 66 approximately one mile north from the US 322/PA 66 intersection in Shippenville. Please refer to the attached location map for the exact project location.
6. **Municipality/County:** Paint and Elk Townships, Clarion County.
7. **Permit Application Type:** 1) Water Quality Management Permit; 2) Erosion and Sedimentation Pollution Control Permit; 3) PADEP General Permit – Utility Line Stream Crossing; 4) PennDOT Highway Occupancy Permit (HOP); 5) DEP Sewage Planning Modules.

Section 1905-A of the Commonwealth Administrative Code, as amended by Act 14, requires that each applicant for a DEP permit must give written notice to the municipality(ies) and the county(ies) at least 30 days before the Department may issue or deny the permit.

Respectfully submitted,
GWIN, DOBSON & FOREMAN, INC.


Skyler J. Eckenrode, E.I.T.
Staff Engineer

SJE/wll
18084/Ltr/Act14Notif_12-5-18.doc
cc: File



December 5, 2018

Paint Township Supervisors
22139 Route 66
Shippenville, PA 16254

Certified Mail No.: 7018 0680 0000 9167 5093

**RE: Pennsylvania-American Water Company
Maple Drive Lift Station, State Route 208 Lift Station and State Route 66 Lift Station
Paint and Elk Townships, Clarion County, PA
Act 14 Notification**

To Whom It May Concern:

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6. **Municipality/County:** Paint and Elk Townships, Clarion County.
7. **Permit Application Type:** 1) Water Quality Management Permit; 2) Erosion and Sedimentation Pollution Control Permit; 3) PADEP General Permit – Utility Line Stream Crossing; 4) PennDOT Highway Occupancy Permit (HOP); 5) DEP Sewage Planning Modules.

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Respectfully submitted,
GWIN, DOBSON & FOREMAN, INC.


Skyler J. Eckenrode, E.I.T.
Staff Engineer

SJE/wll
18084/Ltr/Act14Notif_12-5-18.doc
cc: File



GWIN
DOBSON &
FOREMAN
ENGINEERS

December 5, 2018

Elk Township Supervisors
1395 Fulton Road
Shippenville, PA 16254

Certified Mail No.: 7018 0680 0000 9167 5086

**RE: Pennsylvania-American Water Company
Maple Drive Lift Station, State Route 208 Lift Station and State Route 66 Lift Station
Paint and Elk Townships, Clarion County, PA
Act 14 Notification**

To Whom It May Concern:

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7. **Permit Application Type:** 1) Water Quality Management Permit; 2) Erosion and Sedimentation Pollution Control Permit; 3) PADEP General Permit – Utility Line Stream Crossing; 4) PennDOT Highway Occupancy Permit (HOP); 5) DEP Sewage Planning Modules.

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Respectfully submitted,
GWIN, DOBSON & FOREMAN, INC.


Skyler J. Eckenrode, E.I.T.
Staff Engineer

SJE/wll
18084/Ltr/Act14Notif_12-5-18.doc
cc: File

Section K

PENNSYLVANIA NATURAL DIVERSITY INVENTORY (PNDI)

1. PROJECT INFORMATION

Project Name: **PAW - Maple Drive Lift Station**

Date of Review: **12/3/2018 04:18:54 PM**

Project Category: **Development, Additions/maintenance to existing development facilities**

Project Area: **0.98 acres**

County(s): **Clarion**

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

ZIP Code: **16254**

Quadrangle Name(s): **CLARION**

Watersheds HUC 8: **Clarion**

Watersheds HUC 12: **Paint Creek**

Decimal Degrees: **41.246097, -79.446174**

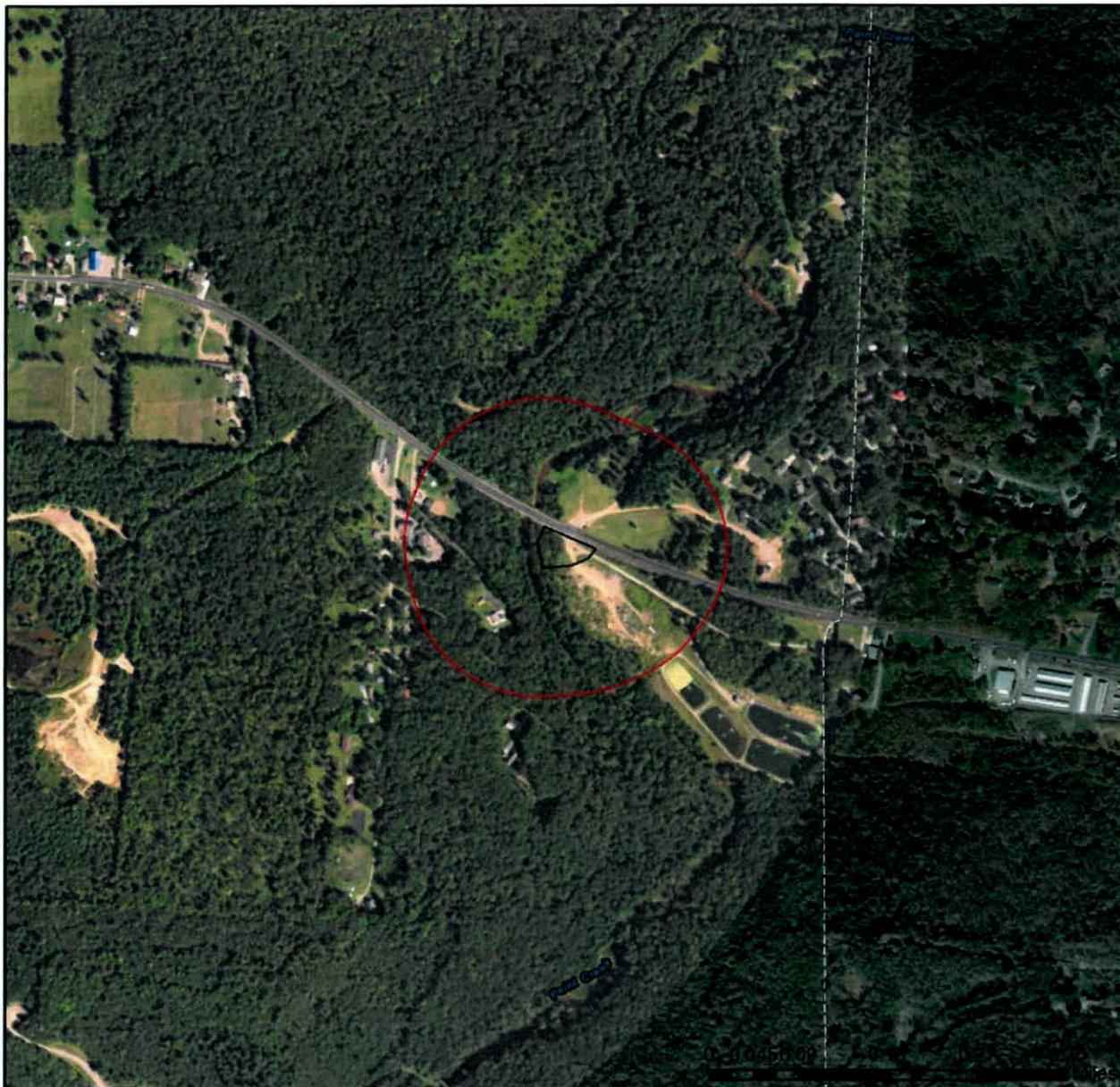
Degrees Minutes Seconds: **41° 14' 45.9480" N, 79° 26' 46.2266" W**

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
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 no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

PAW - Maple Drive Lift Station

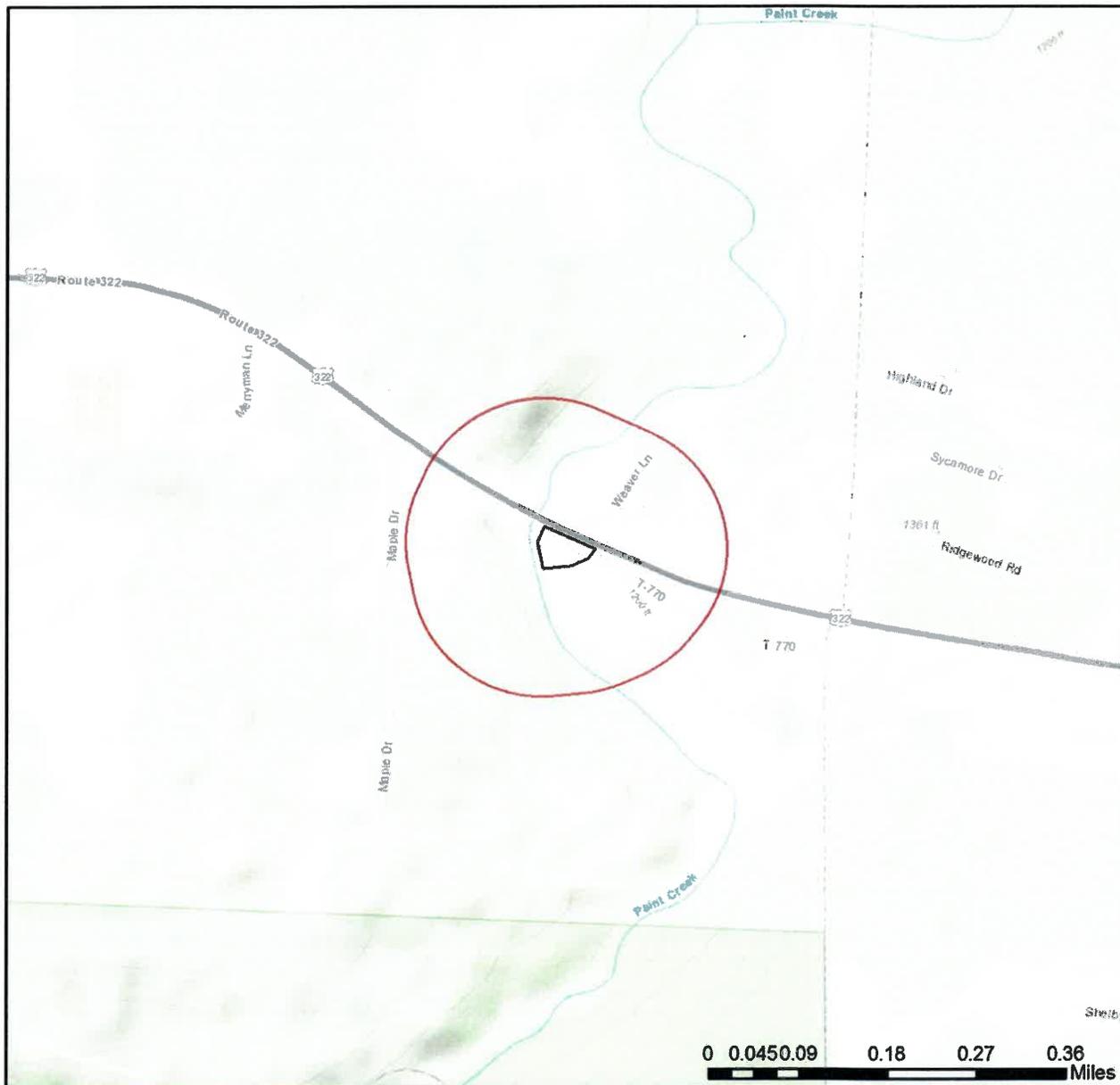


- Project Boundary
- Buffered Project Boundary



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, Garmin, © OpenStreetMap contributors, and the GIS user community

PAW - Maple Drive Lift Station



- 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
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,



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:

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

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.

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: SKYLER ECKENRODE
Company/Business Name: GWIN, DOBSON & FOREMAN, INC.
Address: 3121 FAIRWAY DRIVE
City, State, Zip: ALTOONA, PA 16602
Phone: (814) 943-5214 Fax: (814) 943-8494
Email: seckenrode@gdfengineers.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.

Signature of Skyler J. Eckenrode
applicant/project proponent signature

1/7/2019
date

1. PROJECT INFORMATION

Project Name: **PAW - SR 208 Lift Station and Line Replacement**

Date of Review: **5/2/2019 10:45:23 AM**

Project Category: **Waste Transfer, Treatment, and Disposal, Liquid waste/Effluent, Sewer line (new - construction in new location)**

Project Area: **3.45 acres**

County(s): **Clarion**

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

ZIP Code: **16232; 16254**

Quadrangle Name(s): **FRYBURG**

Watersheds HUC 8: **Clarion**

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

Decimal Degrees: **41.256889, -79.459117**

Degrees Minutes Seconds: **41° 15' 24.8004" N, 79° 27' 32.8215" W**

2. SEARCH RESULTS

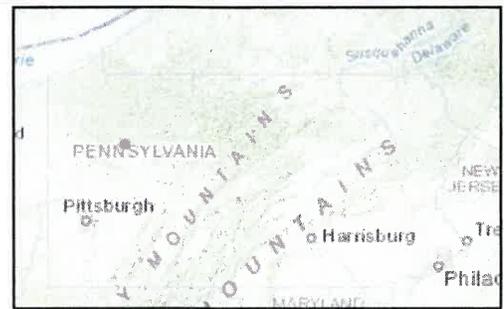
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

PAW - SR 208 Lift Station and Line Replacement



- 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, Garmin, (c) 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:

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

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.

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: SKYLER ECKENRODE
Company/Business Name: GWIN, DOBSON * FOREMAN, INC.
Address: 3121 FAIRWAY DRIVE
City, State, Zip: ALTOONA, PA 16602
Phone: (814) 943-5214 Fax: (814) 943-8494
Email: seckenrode@gdfengineers.com

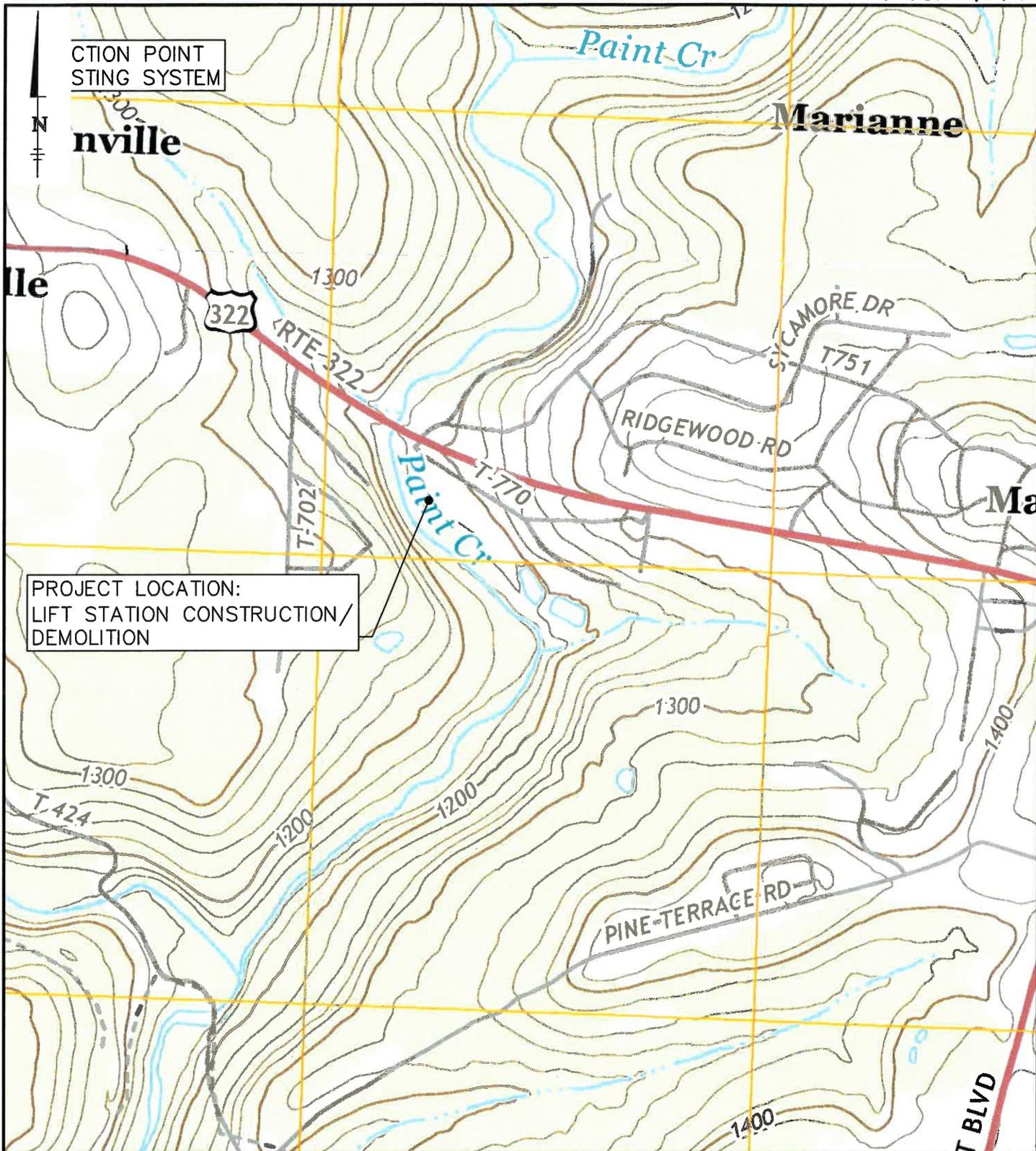
8. CERTIFICATION

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

5/2/19
date

Section L
LOCATION MAP



LOCATION MAP

**PAINT-ELK LIFT STATION UPGRADES
MAPLE DRIVE LIFT STATION**

**ELK TOWNSHIP, CLARION COUNTY, PENNSYLVANIA
Portions of Clarion and Fryburg, Pa USGS Maps**

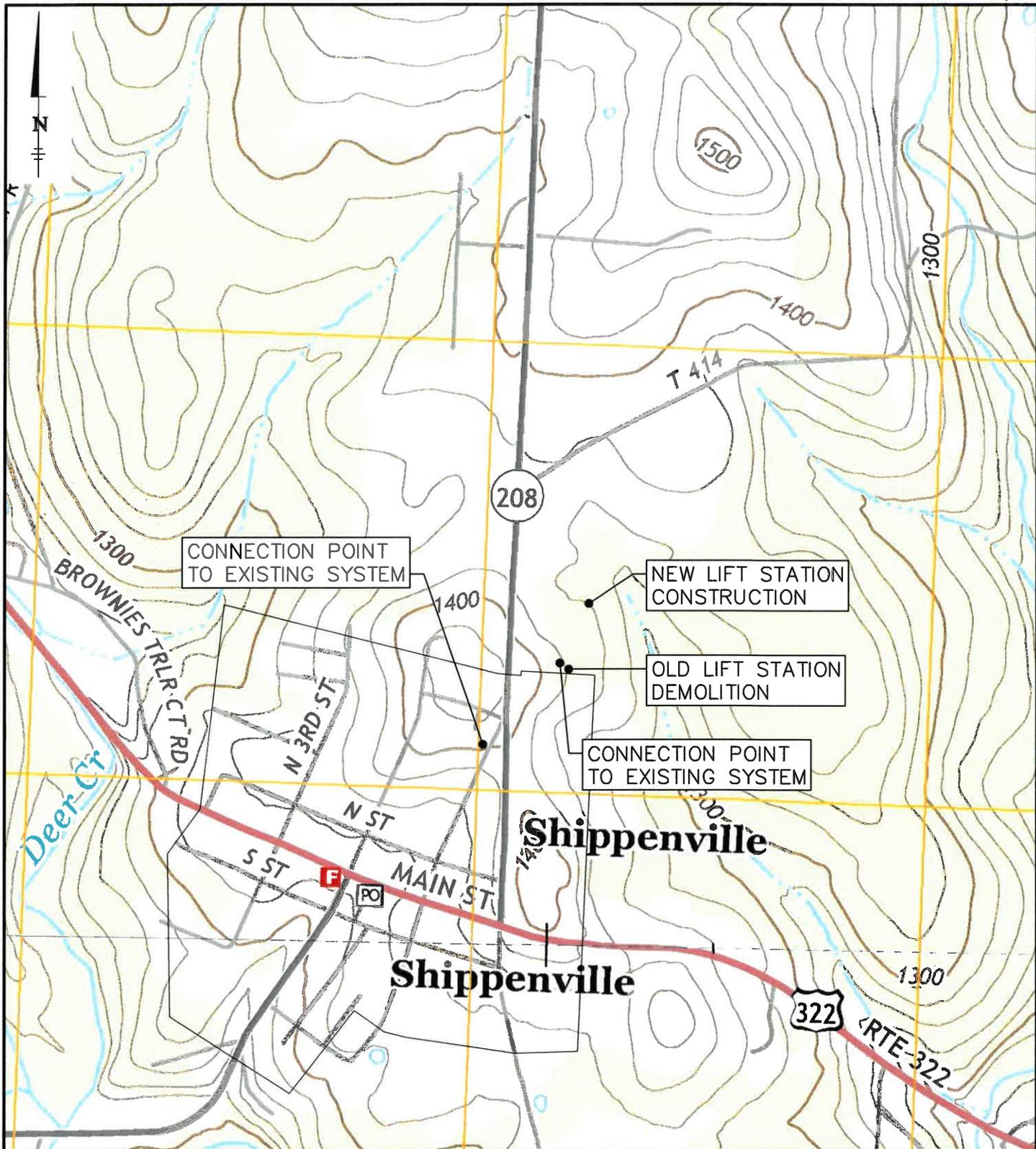
Scale: 1" = 1000'

GD&F

**GWIN
DOBSON &
FOREMAN**

ENGINEERS

3121 Fairway Drive
Altoona, PA 16802
814.943.5214
gdfengineers.com



LOCATION MAP

**PAINT-ELK LIFT STATION UPGRADES
S.R. 208 LIFT STATION**

**ELK TOWNSHIP, CLARION COUNTY, PENNSYLVANIA
Portions of Clarion and Fryburg, Pa USGS Maps**

Scale: 1" = 1000'

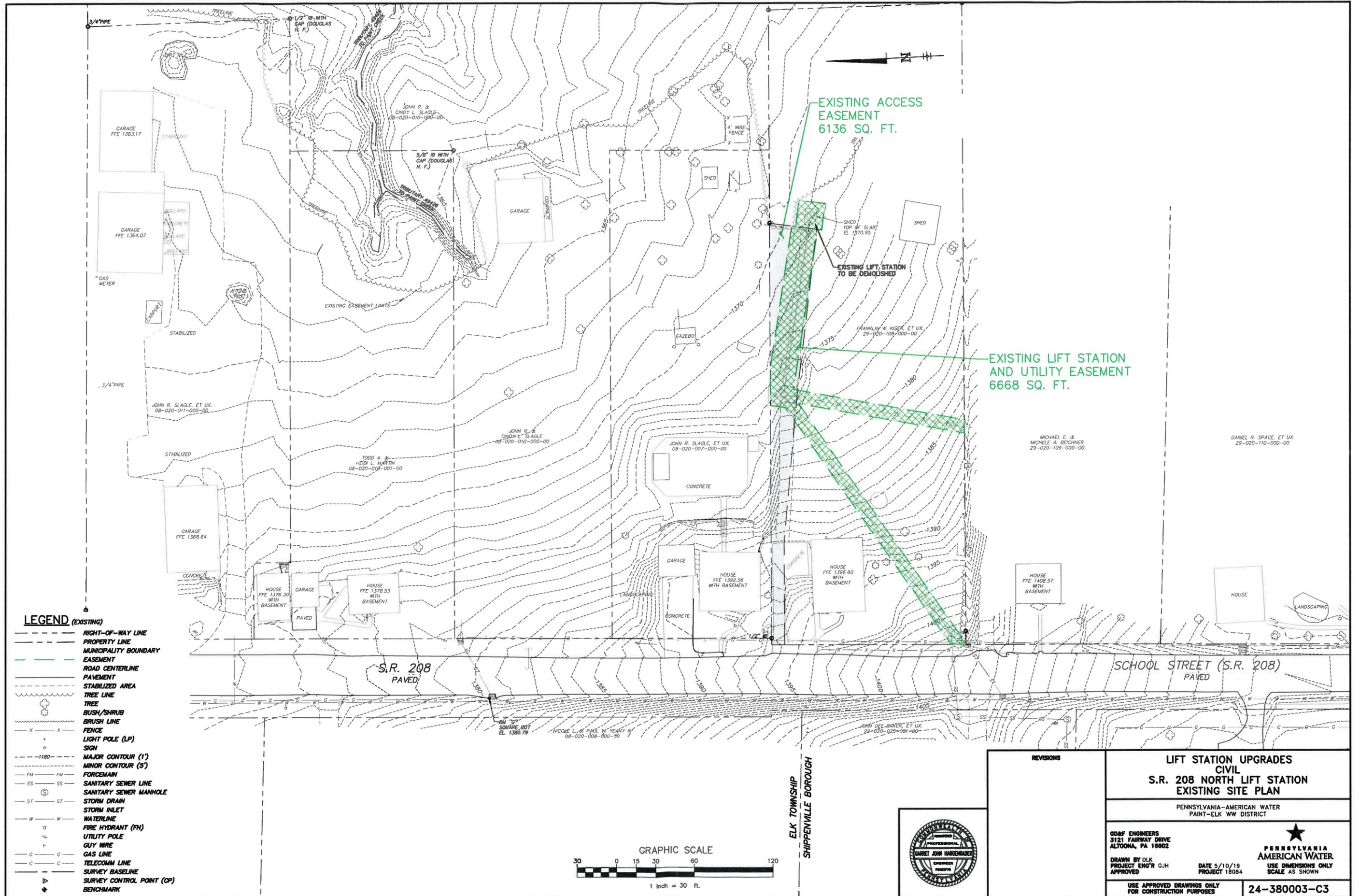
GD&F

**GWIN
DOBSON &
FOREMAN**

ENGINEERS

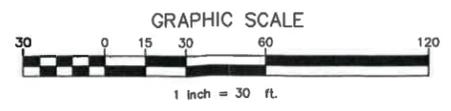
3121 Fairway Drive
Altoona, PA 16802
814.943.5214
gdfengineers.com

Section M
PLOT PLAN

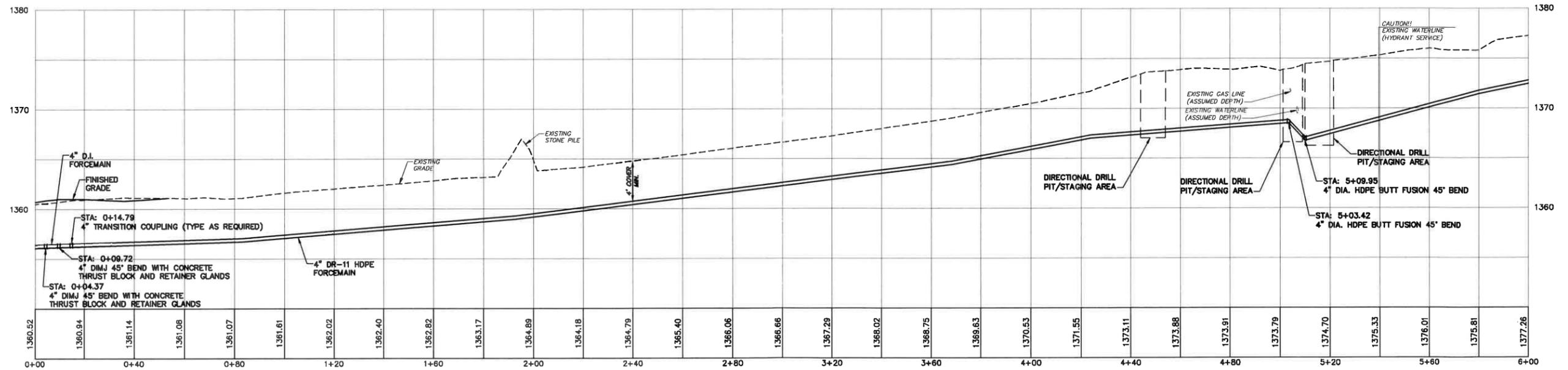
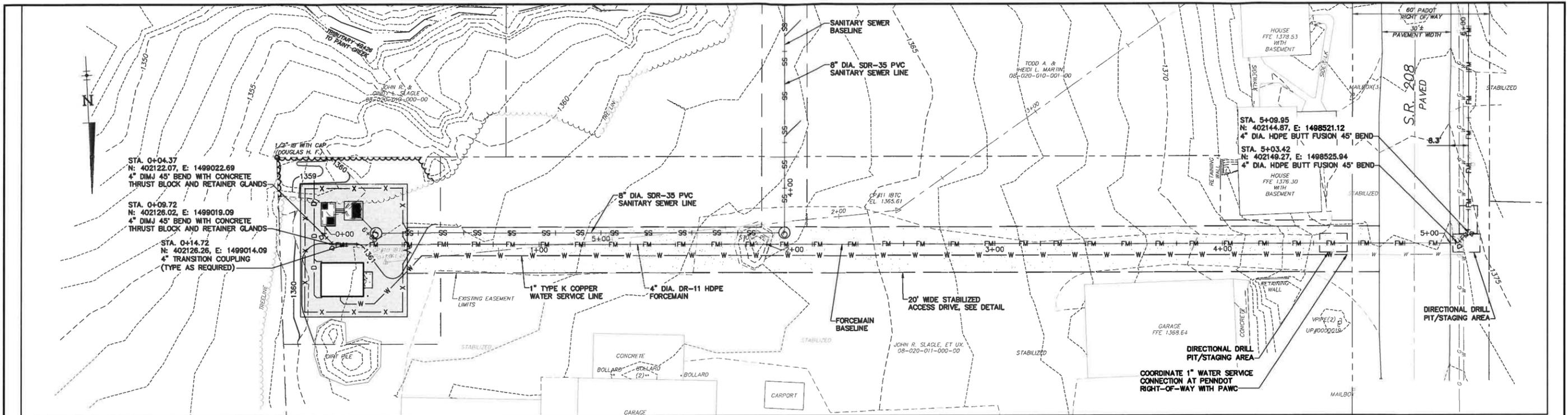


LEGEND (EXISTING)

- RIGHT-OF-WAY LINE
- PROPERTY LINE
- MUNICIPALITY BOUNDARY
- EASEMENT
- ROAD CENTERLINE
- PAVEMENT
- STABILIZED AREA
- TREE LINE
- TREE
- BUSH/SHRUB
- BRUSH LINE
- FENCE
- LIGHT POLE (LP)
- SIGN
- MAJOR CONTOUR (1')
- MINOR CONTOUR (5')
- FM FM FORCEMAIN
- SS SS SANITARY SEWER LINE
- SANITARY SEWER MANHOLE
- ST ST STORM DRAIN
- STORM INLET
- W W WATERLINE
- FIRE HYDRANT (FH)
- UTILITY POLE
- CUY WIRE
- GAS LINE
- TELECOMM LINE
- SURVEY BASELINE
- SURVEY CONTROL POINT (CP)
- BENCHMARK



REVISIONS	LIFT STATION UPGRADES CIVIL S.R. 208 NORTH LIFT STATION EXISTING SITE PLAN	
	PENNSYLVANIA-AMERICAN WATER PAINT-ELK WW DISTRICT	
	G&F ENGINEERS 3121 FAIRWAY DRIVE ALTOONA, PA 16602	
	DRAWN BY DLK PROJECT ENGR GJH APPROVED	DATE 5/10/19 PROJECT 18084
	PENNSYLVANIA AMERICAN WATER USE DIMENSIONS ONLY SCALE AS SHOWN	
USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES		24-380003-C3

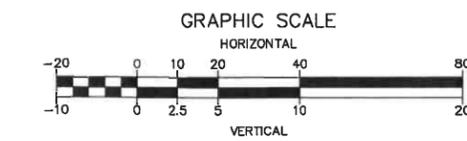


LEGEND (EXISTING)

---	RIGHT-OF-WAY LINE	---	FM	FM	FORCEMAIN
---	PROPERTY LINE	---	SS	SS	SANITARY SEWER LINE
o	CORNER FOUND (AS NOTED)	o	SSMH	SSMH	SANITARY SEWER MANHOLE (SSMH)
---	EASEMENT	---	ST	ST	STORM DRAIN
---	ROAD CENTERLINE	---	W	W	WATERLINE
---	PAVEMENT	---	PH	PH	FIRE HYDRANT (PH)
---	STABILIZED AREA	---	UP	UP	UTILITY POLE (UP)
---	TREE LINE	---	G	G	GUY WIRE
---	TREE	---	C	C	GAS LINE
---	BUSH/SHRUB	---	TL	TL	TELECOMM LINE
---	BRUSH LINE	---	BL	BL	SURVEY BASELINE
---	FENCE	---	CP	CP	SURVEY CONTROL POINT (CP)
---	SIGN	---	BM	BM	BENCHMARK (BM)
---	MAJOR CONTOUR (1')				
---	MINOR CONTOUR (5')				

LEGEND (PROPOSED)

---	BUILDING
---	BITUMINOUS PAVEMENT
---	CONCRETE
---	STABILIZED AREA
---	TREE LINE
---	BRUSH LINE
---	MAJOR CONTOUR (5')
---	MINOR CONTOUR (1')
---	FENCE
---	FORCEMAIN
---	SANITARY SEWER LINE
---	MANHOLE
---	ACCESS HATCH
---	WATER SERVICE LINE
---	ROOF DRAIN LINE



REVISIONS		<p>LIFT STATION UPGRADES CIVIL S.R. 208 NORTH LIFT STATION PROPOSED FORCEMAIN PLAN & PROFILE</p> <p>PENNSYLVANIA-AMERICAN WATER PAINT-ELK WW DISTRICT</p>	
<p>GD&F ENGINEERS 3121 FAIRWAY DRIVE ALTOONA, PA 16602</p> <p>DRAWN BY DLK PROJECT ENG'R GJH APPROVED</p>			
<p>USE APPROVED DRAWINGS ONLY FOR CONSTRUCTION PURPOSES</p>		<p>DATE 5/10/19 PROJECT 18084</p> <p>24-38003-C7</p>	

Section N
EXISTING EASEMENTS



County of Clarion

Gregory K. Mortimer
Register, Recorder and Clerk of Orphans' Court
421 Main Street, Suite 24 - Courthouse
Clarion, PA 16214
814-226-4000, Extension 3501

2012-004913

Instrument Number: 2012-004913

Instrument Type: EASEMENT

Receipt Date: 10/31/2012

Receipt Time: 03:13:55

Receipt No.: 118479

Receipt Distribution

Fee/Tax Description	Payment Amount
EASEMENT	15.00
EASEMENT-WRIT	.50
EASEMENT-RTT ST	.00
KEYSTONE SD	.00
ELK TOWNSHIP	.00
J.C.S./A.T.J. FEE	23.50
CO IMPROVEMENT FND	2.00
REC. IMPRVMT FUND	3.00
EXTRA PAGES	4.00
<hr/>	
Check# 1836	\$46.00
Total Received.....	\$46.00

Paid By Remarks: P/ RON KOPKO
WEAVER

MAPLE DRIVE



I hereby CERTIFY that this document is recorded in the Recorder's Office of Clarion County, Pennsylvania

Gregory K. Mortimer
Gregory K. Mortimer - Recorder of Deeds

Certification Page
DO NOT DETACH
This page is now part of this legal document.

NOTE: Some information subject to change during the verification process and may not be reflected on this page.

DEED OF EASEMENT AND RIGHT OF WAY

THIS INDENTURE, made this 6th day of July, 2012, by and between, Thomas Weaver hereinafter referred to as the "Grantor" and Paint-Elk Joint Sewer Authority, incorporated, organized and existing under the laws of the Commonwealth of Pennsylvania, having an office for the transaction of business at 22139 Route 66, Shippenville, Pennsylvania, 16254 hereinafter referred to as the "Grantee".

WITNESSETH

The Grantor, in consideration of the covenants and agreements hereinafter recited and the sum of One Dollar (\$1.00), paid to Grantor by Grantee, the receipt of which is hereby acknowledged, does hereby give, grant, bargain, sell and convey unto the Grantee, its successors and assigns, forever, an easement and a free, uninterrupted and unobstructed right of way twenty (20') feet in width, in, under, across and over the property of the Grantor, situate in Paint Township, Clarion County, Pennsylvania. The right of way to be twenty (20') feet in width and to be ten (10') feet on each side of a center line described as shown on the sketch labeled Exhibit A attached hereto and made a part hereof. The easement and right-of-way is to be used for ingress, egress and regress for all purposes necessary to access the wastewater treatment plant (tax assessment map 08-010-232) and for the purpose of installing, laying, operating, maintaining, inspecting, removing, repairing, relocating, replacing, relaying and adding to from time to time pipe or pipes, with necessary fittings, appurtenances and attached facilities, including laterals and connections for an underground sanitary sewer pipeline with all appurtenances incident thereto or necessary therewith, including manholes, for the purpose of conveying sewage waste under said premises.

Together with the right of the Grantee, its successors and assigns, to (i) enter in and upon the premises described above with men and machinery, vehicles and material at any and all times for the purpose of maintaining, repairing, renewing or adding to the aforesaid pipelines and appurtenances, (ii) remove trees, bushes, undergrowth and other obstructions interfering with the activities authorized herein, and (iii) for doing anything necessary, useful or convenient for the enjoyment of the easement and right of way herein granted.

The right of the Grantor to freely use and enjoy its interest in the premises is reserved to Grantor, its successors and assigns insofar as the exercise thereof does not endanger or interfere with the construction, operation, and maintenance of Grantee's pipelines and attached facilities, except that no building, structure or similar improvements shall be erected within said easement or right of way, nor shall the grade or ground cover over Grantee's facilities be substantially altered, without the consent of the Grantee. Notwithstanding the foregoing, no other pipes or conduits shall be placed within ten (10) feet, measured horizontally, from the said pipeline except pipes crossing same at right angles, in which latter case, a minimum distance of two (2) feet shall be maintained between the pipes. All sewer pipe shall be laid below the water mains. No excavation or blasting shall be carried on which in any way endangers or unreasonably interferes with the pipelines and attached facilities.

TO HAVE AND TO HOLD the above granted easement and right of way unto the same Grantee, its successors and assigns forever.

The Grantee agrees, by the acceptance of this Deed of Easement and Right of Way that, upon any opening made in connection with any of the purposes of this easement and right of way, said opening shall be backfilled and resurfaced to as nearly as possible the same condition as existed when said opening was made, provided that Grantee shall not be obligated to restore landscaping, other than reseeding or resodding any grass which was removed upon entry, all such work to be done at the expense of the Grantee.

And the said Grantor does covenant with the said Grantee as follows:

1. That the Grantor is the owner in fee simple of the real estate hereby subjected to said easement and right of way, and has good title to convey the same, having acquired said real estate from, Carol D. Weaver by deed dated 8/3/2007, and recorded in the Office of the Recorder of Deeds of Clarion County in Deed Book 737, Page 1255 on 8/3/2007.
2. That the Grantee shall quietly enjoy the said easement and right of way.
3. That the premises hereby subjected to said easement and right of way are subject to no mortgages except NONE OF RECORD.

IN WITNESS WHEREOF, the Grantor has duly executed this INDENTURE, all as of the day and year first above written.

ATTEST/WITNESS:

GRANTOR

By *Kevin V. [Signature]*

By *Thomas E. Weaver*

ATTEST/WITNESS:

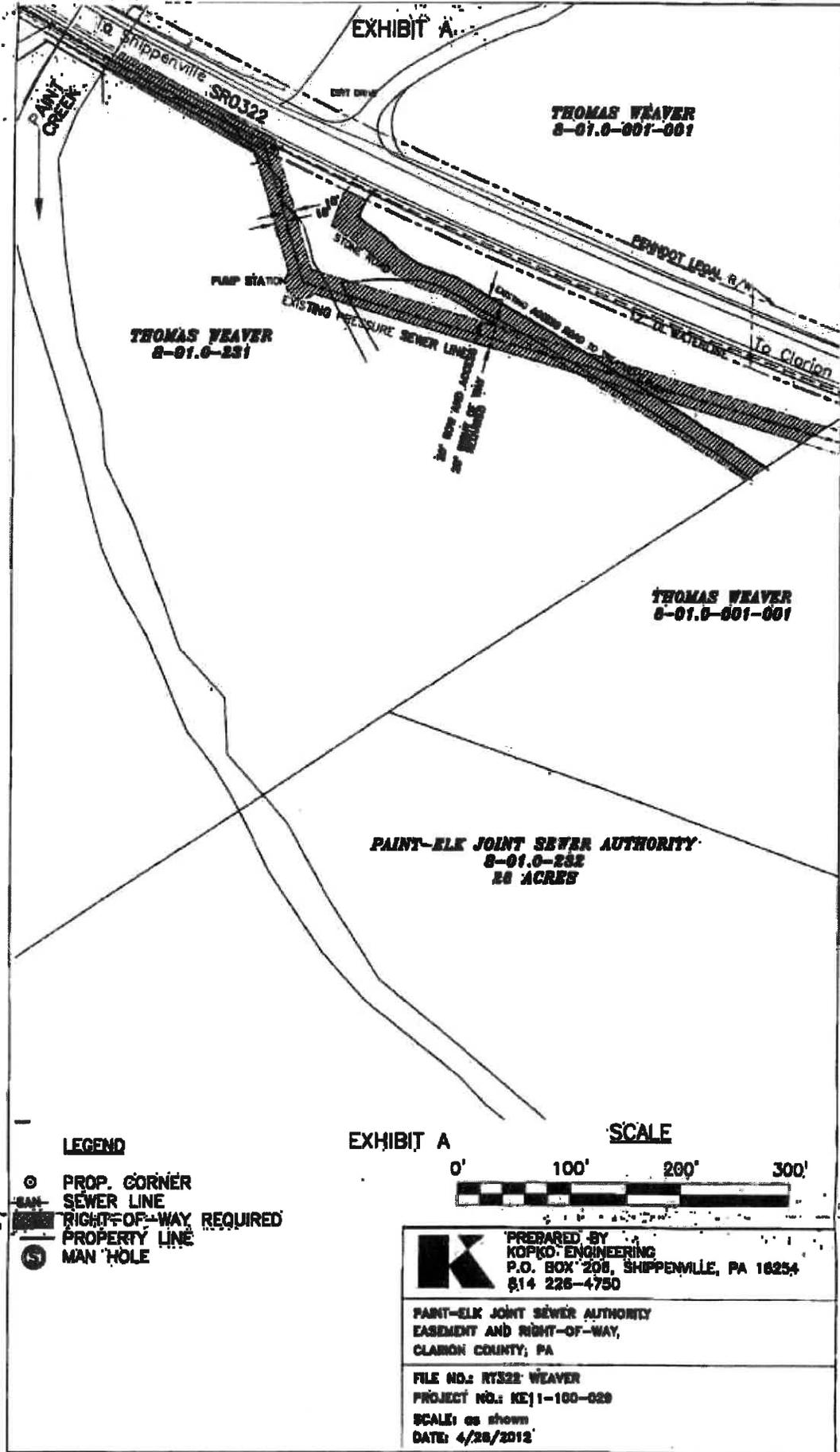
GRANTEE

PAINT-ELK JOINT SEWER AUTHORITY

By _____

By *James P. [Signature]*

Tax Assessment MAP # 8-010-231



.....
 (ACKNOWLEDGEMENT FOR INDIVIDUAL – GRANTOR)

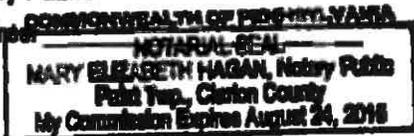
COMMONWEALTH OF PENNSYLVANIA)
) SS:
 COUNTY OF CLARION)

On this, the 6th day of July, A.D., 2012, before me, a Notary Public, personally appeared, Thomas E. Weaver known to me (or satisfactorily proven) to be the person(s) whose name is subscribed to the within instrument, and acknowledge that he/she/they executed the same for the purposes therein contained.

In Witness Whereof, I have set my hand and official seal.

Mary Elizabeth Hagan
 Notary Public

My Commission expires



INSTRUMENT 2001-2652
 RECORDED 6-11-01
 TIME 9:20 A.M.
Mary Ann Olive
 RECORDER

RIGHT-OF-WAY AND EASEMENT AGREEMENT

THIS AGREEMENT entered into this 13th day of May, 2001, by and between FRANKLIN W. KISER and RITA M. KISER, his wife, of Shippenville Borough, Clarion County, Pennsylvania, hereinafter collectively called "Owners",

AND

SHIPPENVILLE BOROUGH MUNICIPAL AUTHORITY, a municipal authority organized under the Pennsylvania Municipal Authority Act of 1945, which has its principal office in the Borough of Shippenville, Clarion County, Pennsylvania, and which is hereinafter called "Authority".

Background: Owners own a parcel of real estate located in Shippenville Borough, Clarion County, Pennsylvania, more specifically described in Clarion County Deed Book 253, Page 591, Map No. 29-02.0-108, hereinafter "Property". On February 8, 1987, Owners and Authority entered into a "Grant of Right-of-Way and Easement" agreement which was recorded in Clarion County Book 322, Page 73, that affected the Property. Subsequently, on July 20, 1990, the 1987 Right-of-Way and Easement was released and a replacement Right-of-Way and Easement entered into between the same two parties which was dated June 26, 1990, and recorded in Clarion County Book 369, Page 387. A dispute has arisen between the parties concerning the right of the Authority to enter onto Owners' Property under the terms of the June 26, 1990, Right-of-Way and Easement agreement, which ultimately resulted in the Authority and Shippenville Borough filing a declaratory judgment action against the Owners, which is filed in Clarion County at 327 C.D. 2000, hereinafter "~~9004~~ lawsuit". The parties have reached a settlement

0554

PAGE 1103

BOOK PAGE
0554 1104

of the Lawsuit, which includes, but is not limited to, the replacement of the prior Right-of-Way and Easement agreements with this Agreement.

NOW, THEREFORE, in consideration of the covenants herein set forth and other good and valuable consideration, the Owners hereby grant and convey to the Authority certain easements and rights-of-way described herein over and across the Owners' Property, upon the following terms and conditions:

1. The parties agree that any Right-of-Way and Easement agreements heretofore entered into between the parties affecting the Owners' Property shall be null and void and of no further force and effect.

2. The Owners hereby grant the following perpetual easements and rights-of-way to the Authority over the Property with the same force and effect as if this Agreement had been signed on February 8, 1987:

A. A sewer line easement which shall extend from the southern boundary line of Owners' Property which has as its center line a course of North 12° 06' 47" East a distance of 140.39 feet to an existing manhole. The easement shall be for a gravity flow sewer line easement and shall be ten (10') feet in width as measured from the centerline as more specifically described in a survey prepared by Eugene Monroe Lerch dated January 20, 2001, and revised May 15, 2001, which is attached hereto, made a part hereof and is hereinafter called "Survey".

- B. A sewer line and utility easement which shall extend from the western boundary line of Owners' Property which has as its centerline a course of North $56^{\circ} 56' 31''$ East a distance of 221.23 feet to an existing manhole. The easement shall be ten (10') feet in width as measured from the centerline as more specifically described in the Survey.
- C. A sewer line and utility easement which shall extend from a point ten (10') feet west of the junction of the sewer lines described in (A) & (B), above, and which shall have a course of South $79^{\circ} 22' 53''$ East a distance of 138.54 feet to a point located near the center of the sewer grinder and pump station as described in (D), below. The easement shall be twenty (20') feet in width as measured from the course line as more specifically described in the Survey. Five (5') feet of the easement shall be located to the south of the course line and fifteen (15') feet shall be located to the north of the course line. Notwithstanding anything to the contrary shown on the drawing, this right-of-way shall include a gravity flow sewer line, a separate forced main sewer line, various manholes and valves related thereto, and utility service for the pump grinder station.
- D. A sewer pump and grinder station easement which is described as beginning at the northeast corner of the property thence South $82^{\circ} 49' 10''$ West a distance of 146.90 feet to a point and the place of beginning, which

BOOK PAGE
0554 3
 1105

BOOK PAGE
0554 1106

is also the northeast corner of the easement herein described; thence South 8° 03' 03" West a distance of 20.25 feet; thence North 81° 06' 38" West a distance of 20.28 feet; thence North 9° 05' 54" East a distance of 20.00 feet; thence South 81° 49' 48" East a distance of 19.92 feet to the point and place of beginning. All as more specifically depicted on the Survey which is attached hereto.

- E. An access right-of-way across Owners' Property which has as its place of beginning a point on Owners' northern property line, thence South 9° 05' 54" West a distance of 20.54 feet; thence South 9° 05' 54" West a distance of 15.99 feet; thence North 81° 14' 14" West a distance of 126.82 feet; thence North 82° 57' 27" West a distance of 113.35 feet; thence North 88° 19' 16" West a distance of 72.50 feet; thence North a distance of 10.0 feet; thence South 88° 19' 16" East a distance of 316.21 feet, to the place of beginning. All as more specifically depicted on the Survey which is attached hereto.

3. The Authority shall have the following rights as it relates to easements and rights-of-way as described in Paragraph 2, above:

- A. As it relates to the easements described in Paragraphs 2 (A), (B) & (C), the easements shall be used for the purpose of laying, maintain, repairing, replacing, operating and removing sewer pipe lines, together with

necessary manholes and/or appurtenances.

- B. As it relates to the easements described in Paragraph 2(B) and (C), an underground utility easement to be used for the installation and maintenance of an underground electric cables and appurtenances which shall be reasonably necessary for the installation and maintenance of electrical power to the grinder pump station described in 2(D), above.
 - C. As it relates to the grinder pump station described in 2(D), above, the right to enclose the area with a fence and to install and maintain such equipment as the Authority deems necessary to grind and pump sewage to the Authority's treatment plant.
 - D. As it relates to access right-of-way described in 2(D), above, the right, by person or with motorized equipment, of ingress, regress and egress from Route 208 to the grinder pump station or any of the easements described in this Agreement for such purposes and in such manner as shall be reasonably necessary for the maintenance, repair and operation of the Authority's sewage collection system.
4. The Authority agrees that it will, within a reasonable time after its entry onto the access easements and the sewer line and utility easements, restore the surface of the easements to the same condition as they were prior to their entry. This includes, but is not limited to, the obligation to restore the surface of the easements and rights-of-way to their original approximate

BOOK
5
0554

PAGE
1107

BOOK PAGE
0554 1108

contour and seed the disturbed area with grass. The Authority shall also have the obligation to maintain the grinder pump station in a kept condition.

5. This Agreement shall be for the benefit of, and binding upon the parties hereto, their successors and assigns.

IN WITNESS WHEREOF, and intending to be legally bound hereby, the parties hereto have set their hands and seals the day and year first above written.

Andrea L. Porter

Franklin W. Kiser (SEAL)
Franklin W. Kiser

Andrea L. Porter

Rita M. Kiser (SEAL)
Rita M. Kiser

ATTEST:

SHIPPENVILLE BOROUGH MUNICIPAL
AUTHORITY

Gladys Taylor
Secretary

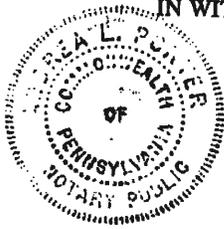
By: Dominic Zlatos (SEAL)
Chairman

a:\aplagr5\shippenville.row

COMMONWEALTH OF PENNSYLVANIA :
: ss.
COUNTY OF CLARION :

On this, the 23rd day of May, 2001, before me, the undersigned officer, personally appeared FRANKLIN W. KISER and RITA M. KISER, his wife, known to me (or satisfactorily proven), to be the persons whose names are subscribed to the within instrument and acknowledged that they executed the same for the purposes therein contained.

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



Andrea L. Porter
Notary Public

My Commission Expires:

Notarial Seal
Andrea L. Porter, Notary Public
Public Temp., Clarion County
My Commission Expires June 11, 2001
Member, Pennsylvania Association of Notaries



I hereby CERTIFY that this document is recorded in the Recorder's Office of Clarion County, Pennsylvania
Gregory K. Mortimer
Gregory K. Mortimer - Recorder of Deeds

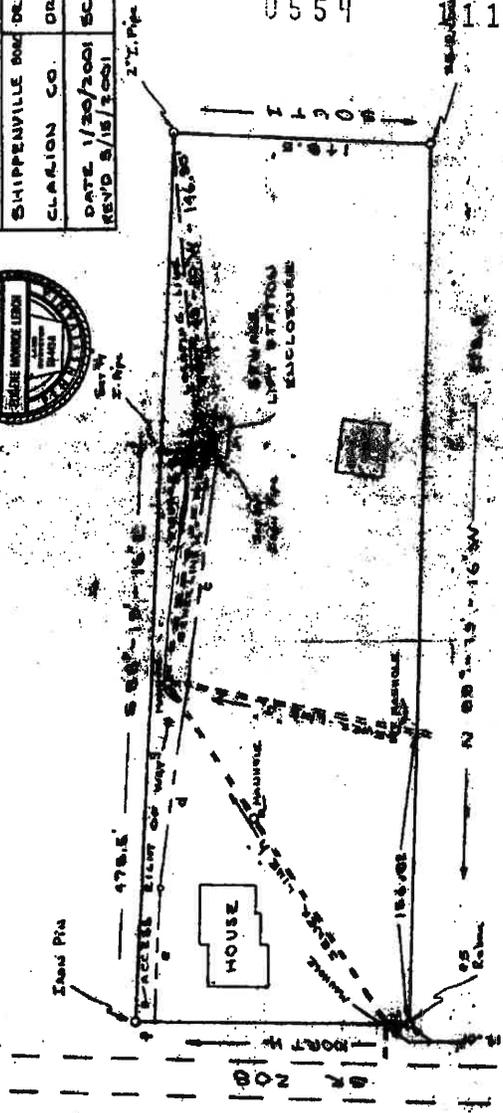
FRANKLIN W. KISER
RITA M. KISER
23 MAY 2001 11:00 AM
CLARION COUNTY RECORDER OF DEEDS
1000 MARKET STREET
CLARION, PA 16817
TEL: 814.326.1234
FAX: 814.326.1235
WWW.RECORDEROFDEEDS.PA.GOV

DATE 2001-05-23 09:11:23
RECORDED 40563
SHIRLEY L. WALKER

Clarion County Recorder of Deeds
Instrument # 1111
BOOK 554
PAGE 1109

DRAWING OF: [unclear]
 DEPARTMENT: [unclear]
 OWNED BY: PEARL AND RIT
 KISSEL FOR THE
 SHIPPEVILLE MUNIC. AUTH.
 SHIPPEVILLE DIST. NO. 5-41
 CLATION CO. DR. BY: G.M.L.
 DATE: 1/30/2001 SCALE: 1"=50'
 REV'D: 5/15/2001

300K PAGE
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ACCESS RIGHT OF WAY

BEARING	DISTANCE
S 88° 00' 00" W	100.00'
S 88° 00' 00" W	100.00'
N 88° 15' 15" W	100.00'
N 88° 15' 15" W	100.00'
N 88° 15' 15" W	100.00'
S 88° 15' 15" W	100.00'

SEWAGE LIFT STATION ENCLOSURE

BEARING	DISTANCE
S 88° 00' 00" W	100.00'
S 88° 00' 00" W	100.00'
N 88° 15' 15" W	100.00'
N 88° 15' 15" W	100.00'

SEWER LINE "A" DISTANCE

BEARING	DISTANCE
N 88° 15' 15" W	100.00'
N 88° 15' 15" W	100.00'
S 88° 15' 15" W	100.00'
S 88° 15' 15" W	100.00'

Section O
PHMC CLEARANCE

0120-PM-PY0003a Rev. 5/2006

**DEP/PHMC POLICIES AND PROCEDURES
IMPLEMENTATION OF THE HISTORY CODE
LIST OF EXEMPTIONS
May 2006**

These DEP Permits are Exempt...	...Unless these qualifying conditions apply.
<p>FOR ALL BUREAUS <i>No Structures Impacted</i></p>	<p>Permitted activities which may affect Historic Resources on the National Register of Historic Places are not exempt regardless of size.</p>
<p>A. BUREAU OF AIR QUALITY</p> <p>Air Quality Plan</p> <p>Air Quality Operating Permit</p>	<p>Exempt unless more than 10 acres of earth disturbance.</p>
<p>B. BUREAU OF WASTE MANAGEMENT</p> <p>Projects which do not involve earth disturbance</p> <p>Facilities operating under permit-by-rule provisions</p>	
<p>C. BUREAU OF RADIATION PROTECTION</p> <p>Naturally Occurring and Accelerator Produced Radioactive Materials (NARM) Licenses</p>	
<p>D. BUREAU OF OIL AND GAS MANAGEMENT</p> <p>Individual Well Permits (normally only ½ to 1½ acre in size)</p> <p>DEP contracts for plugging wells</p> <p>Well registration</p> <p>Pillar Permits</p> <p>Underground Injection Control Permit</p> <p>NGPA Gas Well Classification Determinations</p> <p>Clean Streams Law Part II Permits for disposal wells and treatment facilities</p>	<p>Exempt unless more than 10 acres of earth disturbance.</p>

Revised: 5/2/19

0120-PM-PY0003a Rev. 5/2006

**DEP/PHMC POLICIES AND PROCEDURES
IMPLEMENTATION OF THE HISTORY CODE
LIST OF EXEMPTIONS
May 2006**

These DEP Permits are Exempt...	...Unless these qualifying conditions apply.
<p>FOR ALL WATER MANAGEMENT BUREAUS</p>	<p>The following Water Management permits are exempt unless the project also requires a NPDES Individual Permit for Storm Water Discharges Associated with Construction Activities (NPDES Construction Permit) <u>and</u> the earth disturbance is greater than 10 acres.</p>
<p>E. BUREAU OF WATERSHED MANAGEMENT</p> <p>I. Division of Waterways, Wetlands and Stormwater Management</p> <ol style="list-style-type: none"> 1. Chapter 105 Emergency Permit 2. Chapter 105 General Permit 3. NPDES General Permit for Storm Water Discharges Associated with Construction Activities (NPDES Construction Permit) 4. NPDES Individual Permit for Storm Water Discharges Associated with Construction Activities (NPDES Construction Permit) <p>II. Division of Water Use Planning</p> <ol style="list-style-type: none"> 1. Water Allocation Permit <p>III. Division of Conservation Districts and Nutrient Management</p> <ol style="list-style-type: none"> 1. CAFOs 	<p>Exempt unless more than 10 acres of earth disturbance.</p>
<p>F. BUREAU OF WATER STANDARDS AND FACILITY REGULATION</p> <p>I. Division of Planning and Permits</p> <ol style="list-style-type: none"> 1. National Pollutant Discharge Elimination System (NPDES) Permit for Sewage Discharge 2. Water Quality Management (Permit - Sewage Treatment Plants, Pump Stations or Sewer Extensions) 3. General National Pollutant Discharge Elimination System (NPDES) Permits 4. National Pollutant Discharge Elimination System (NPDES) Permit for Industrial Wastewater 5. General Water Quality Management Permits. 6. Water Quality Management Permit (Industrial Wastewater) 	

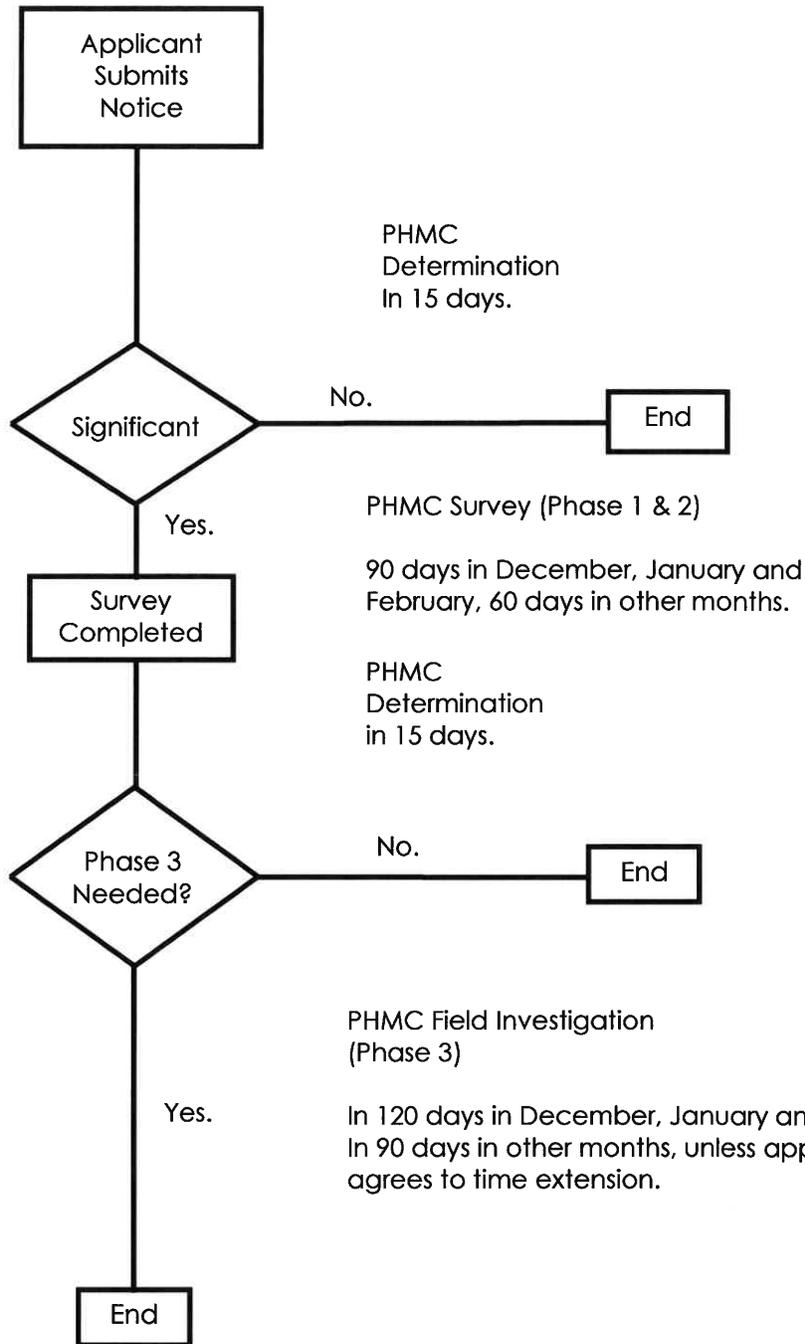
0120-PM-PY0003a Rev. 5/2006

These DEP Permits are Exempt...	...Unless these qualifying conditions apply.
<p>7. Planning Approval Under the Sewage Facilities Act</p> <ul style="list-style-type: none"> a. Component 1 – Exception to the Requirement to Revise the Official Plan b. Component 2 – Individual and Community Onlot Disposal of Sewage c. Component 3 – Sewage Collection and Treatment Facilities d. Component 3s – Small Flow Treatment Facilities e. Exemption from Sewage Facilities Planning <p>II. Division of Operations Monitoring and Training</p> <ul style="list-style-type: none"> 1. Public Water Supply Permits that do not involve any earth moving activity 2. Public Water Supply Permits for wells 3. Other Public Water Supply Permits 	<p>Exempt unless more than 10 acres of each disturbance.</p> <p>Exempt unless more than 10 acres of earth disturbance.</p> <p>Exempt unless more than 10 acres of earth disturbance.</p> <p><i>Total Disturbance Less Than 10 Acres.</i></p> <p>Exempt unless more than 10 acres of earth disturbance.</p>
<p>G. BUREAU OF WATERWAYS ENGINEERING</p> <p>I. Division of Dam Safety</p> <ul style="list-style-type: none"> 1. Limited Power Permit – Major Water Power Project 	
<p>H. BUREAU OF MINING AND RECLAMATION</p> <p>Permit Renewals/Transfers</p> <p>Permits for Small Non-Coal Mining ($\leq 2,000$ tons per year)</p> <p>Permits for Non-Coal Mining $< 10,000$ tons per year</p> <p>Coal/Non-Coal Exploration Notices</p> <p>Deep Mine Provisions</p> <p>Bonding authorizations within an approved Surface Mining Permit</p> <p>Strip mine reclamation using on-site previously disturbed material</p> <p>Portals without permanent linings or facings</p> <p>Exploratory drilling or well drilling</p> <p>Abandoned mine refuse pile grading or fire extinguishment</p> <p>Drainage control work in previously disturbed areas</p>	

0120-PM-PY0003a Rev. 5/2006

These DEP Permits are Exempt...	...Unless these qualifying conditions apply.
Abandoned coal refuse piles	
<p>I. BUREAU OF ABANDONED MINE RECLAMATION (March 31, 1993 memo between Bureau and BHP of PHMC)</p> <p>Strip mine reclamation using on-site previously disturbed material</p> <p>Backfilling or flushing deep mines</p> <p>Backfilling or capping vertical mine openings</p> <p>Portals without permanent linings or facings</p> <p>Exploratory drilling or well drilling</p> <p>Abandoned mine refuse pile grading or fire extinguishment</p> <p>Abandoned deep mine dangerous gas venting projects</p> <p>Drainage control work in previously disturbed areas</p> <p>Abandoned coal refuse piles</p>	

PHMC'S TIME FRAMES



Section P
MUNICIPAL CHECKLIST

3800-FM-BPNP5M0353 Rev. 2/2015
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).
- Alternative Analysis Narrative.
- Details of chosen financial assurance method.
- 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).
- 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).
- Preliminary hydrogeology (if applicable).
- Detailed hydrogeology (if applicable).

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.
- Comments, and responses to comments generated by public notification.
- Transmittal Letter

James M. Taylor
Signature of Municipal Official

3/11/19
Date submittal determined complete

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit G

Balance Sheet of Pennsylvania-American Water Company

Pennsylvania-American Water Company
Balance Sheet
December 31, 2020
(Dollars in thousands)

Exhibit G

	PA American Water 12 Months Ended December 31, 2020 (Audited)
Assets	
Cash and cash equivalents	\$1,748
Other current assets	118,101
Total property plant and equipment	5,242,055
Regulatory assets & other L/T Assets	242,502
Total Assets	\$5,604,406
Capitalization and liabilities	
Short Term Debt	\$134,010
Current Portion of Long-term Debt	71,529
Other current liabilities	152,603
Total Long-term Debt	1,715,058
Regulatory & Other Long Term Liabilities	1,150,607
Stockholder's equity	2,177,597
Contributions in aid of construction	203,002
Total Capitalization and liabilities	\$5,604,406

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit H

Income Statement and Retained Earnings of Pennsylvania-American Water Company

Pennsylvania-American Water Company
Income Statement
for the 12 Months Ended December 31, 2020
(Dollars in thousands)

Exhibit H

	PA American Water 12 Months Ended December 31, 2020 (Audited)
Operating Revenues	\$ 733,061
Operating Expenses	
Operation and Maintenance	227,795
Depreciation and Amortization	153,834
General Taxes and Other	13,633
Total Operating Expenses	<u>395,262</u>
Operating Income	337,799
Other Income/(Expenses)	
Other Income/(Expense), Net	13,351
Interest Expense, Net	(77,717)
Total Other Expenses	<u>(64,366)</u>
Income Before Income Taxes	273,433
Provision for Income Taxes	76,273
Net Income	<u><u>\$ 197,160</u></u>

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit I

Pennsylvania-American Water Company Current Tariff – Rate Zone 1
for the Application Territory

PENNSYLVANIA-AMERICAN WATER COMPANY

Canceling Second and Third Revised Page 11.1

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).

	<u>2021</u>		<u>2022</u>	
A. <u>Residential</u>				
Service Charge per month:	\$11.00	(I)	\$11.00	(I)
Usage Charge per 100 gallons:	\$1.6467	(I)	\$1.9494	(I)
B. <u>Commercial</u>				
Service Charge per month:	\$27.50	(I)	\$27.50	(I)
Usage Charge per 100 gallons:	\$1.2142	(I)	\$1.4374	(I)
C. <u>Industrial</u>				
Service Charge per month:	\$27.50	(I)	\$27.50	(I)
Usage Charge per 100 gallons:	\$1.2142	(I)	\$1.4374	(I)
D. <u>Municipal</u>				
Service Charge per month:	\$27.50	(I)	\$27.50	(I)
Usage Charge per 100 gallons:	\$1.2142	(I)	\$1.4374	(I)
E. <u>Special Rate Charges</u>				
Bulk Metered Usage – Caln Twp., Valley Twp., V.A. Hospital and West Brandywine Twp.				
Service Charge per month:	\$275.00	(I)	\$275.00	(I)
Usage Charge per 100 gallons:	\$0.9639		\$0.9639	
Mittal Steel and Victory Brewing Company				
Service Charge per month:	\$275.00	(I)	\$275.00	(I)
Usage Charge per 100 gallons:	\$0.9300		\$0.9300	

(I) means Increase

PENNSYLVANIA-AMERICAN WATER COMPANY

Canceling First and Second Revised Page 11.2

SCHEDULE OF RATES

RATE ZONE 1 – METERED AND UNMETERED

UNMETERED CHARGES -This charge is a flat rate fee for customers not metered for water consumption.

	<u>2021</u>		<u>2022</u>	
A. <u>Residential</u>				
Flat rate per month, per EDU:	\$67.94	(I)	\$78.41	(I)
B. <u>Commercial</u>				
Flat rate per month, per EDU:	\$67.94	(I)	\$78.41	(I)
C. <u>Special Rate Charges</u>				
Knouse Foods, flat rate per month:	\$5,030.03	(I)	\$5,558.41	(I)
Strattanville Borough, flat rate per month:	\$3,743.74	(I)	\$4,137.00	(I)
Penn State Special Metals, flat rate per month:	\$1,737.57	(I)	\$1,912.95	(I) (C)
PSC Metals, flat rate per month:	\$672.71	(I)	\$740.61	(I) (C)
Koppel Steel, flat rate per month:	\$10,438.49	(I)	\$11,492.09	(I) (C)

(I) means Increase and (C) means Change

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit J

Pennsylvania-American Water Company Estimated Annual Revenues and Expenses
for the Application Territory

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

Line No.		Per Customer	3 Residential Customers
1	Estimated Annual Revenue		
2			
3	Meter Size	5/8"	
4	Average Monthly Usage (100 Gallons)	34.58	
5	Monthly Service Charge	\$11.00	
6	Usage Charge per 100 Gallons	1.9494	
7	Usage Charge at 3,458 Gallons/Mo.	\$67.41	
8	Monthly Total Revenue	<u>\$78.41</u>	
9	Annual Total Revenue (Ln. 8 x 12 months)	\$940.92	\$2,822.76
10			
11	Estimated Annual Expenses		
12			
13	Estimated Expenses per customer per year	\$178.40	\$548.18
14			
15	Total Estimated Expenses per Year (Ln. 13)		\$548.18
16			
17	Net Income (Ln. 9 - Ln. 15)		\$2,274.58

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit K

Letter of Support from Clarion County Commissioners



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

Wayne R. Brosius
Commissioner

Theodore W. Tharan
Commissioner

C. Edward Heasley
Commissioner

Taylor D. Kriebel
Chief Clerk

February 25, 2020

Commonwealth of PA
PA Public Utility Commission

RE: PA American Water's application for Elk Township Franchise Territory Expansion

To Whom It May Concern;

We, the Clarion County Board of Commissioners, are in support of Pennsylvania American Water's franchise territory expansion in Elk Township, more specifically including these premises: 11308, 11374, and 11355 State Route #208 Shippenville, PA 16254 and hope their application is seriously considered by the Pennsylvania Public Utility Commission.

Completing this project would give more Clarion County residents in Elk Township access to public sewage, and after reviewing letters from residents who are in favor of connecting to the public sewage this expansion would provide and after reviewing the application, we as the Clarion County Commissioners stand behind it.

Clarion County Commissioners


Wayne R. Brosius, Chair

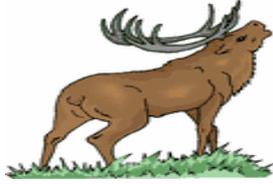

Theodore W. Tharan


C. Edward Heasley

Application of Pennsylvania-American Water Company
for Approval of the Right to Offer, Render, Furnish and Supply Wastewater Treatment Service to the
Public in an Additional Portion of Elk Township, Clarion County, Pennsylvania

Exhibit L

Letter of Support from Elk Township Board of Supervisors



Sec.

Elk Township
Municipal Building
1395 Fulton Road
Shippenville, Pennsylvania 16254

Ray Rennard, Supervisor
Dave A. Polatty, Supervisor
Brian Miller, Supervisor

Linda Spoharski, Secretary
Office (814) 782-3775
FAX (814) 782-3995
E-mail: elktownship@atlanticbbn.net

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

Dear Michelle Cavallo

Elk Township Supervisors agree to add on the 4 properties to PAWC sewage service.

There will not be no cost to the township.

If there anything more you need contact me.

ELK TOWNSHIP BOARD OF SUPERVISORS

Linda Spoharski
Secretary

VERIFICATION

I, JON C. NATALE, hereby state that the facts set forth in the enclosed Application to extend service in an additional portion of Elk Township, Clarion County, are true and correct to the best of my knowledge, information and belief, and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. § 4904 (relating to unsworn falsification to authorities).

Jon C. Natale

Date: January 6, 2022

Jon C. Natale
Senior Manager of Operations – Northwest PA
Pennsylvania-American Water Company

BEFORE THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

Application of Pennsylvania-American Water :
Company for Approval of the Right to Offer, :
Render, Furnish and Supply Wastewater : Docket No. A-2022-_____
Treatment Service to the Public in an Additional :
Portion of Elk Township, Clarion County, :
Pennsylvania :

CERTIFICATE OF SERVICE

I hereby certify that I have this day served a true copy of the above-referenced Application upon the persons and in the manner indicated below, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a party).

VIA Electronic Mail

Patrick Cicero
Acting Consumer Advocate
Pennsylvania Office of Consumer Advocate
555 Walnut Street
5th Floor, Forum Place
Harrisburg, PA 17101-1923
pcicero@paoca.org

Teresa Reed Wagner
Executive Director
Office of Small Business Advocate
555 Walnut Street
1st Floor, Forum Place
Harrisburg, PA 17101
tereswagne@pa.gov

Richard Kanaskie, Director Chief Prosecutor
Bureau of Investigation and Enforcement
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street, 2nd Floor, West
Harrisburg, PA 17120
rkanaskie@pa.gov

VIA UPS Overnight Delivery

PA Department of Environmental Protection
Rachel Carson State Office Building
400 Market Street
Harrisburg, PA 17101

PA Department of Environmental Protection
Northwest Regional Office
Attn.: John Holden, Acting Regional Director
230 Chestnut Street
Meadville, PA 16335

Dated: January 6, 2022



Teresa K. Harrold
Director, Corporate Counsel
Pennsylvania-American Water Company
852 Wesley Drive
Mechanicsburg, PA 17055