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July 20, 2016

*Via Hand Delivery*

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

In re: Docket No. A-2016-2537163  
Application of Aqua Pennsylvania Wastewater, Inc. - Emlenton Area Municipal Authority

Dear Secretary Chiavetta:

We are counsel for Aqua Pennsylvania Wastewater, Inc. in the above matter. Enclosed for filing with you are the Company's responses to the Bureau of Technical Utility Services Data Request 1, Nos. A-1 through A-26. Please contact me with any questions or if you need anything further.

Very truly yours,

THOMAS, NIESEN & THOMAS, LLC

By

Thomas T. Niesen

cc: Clinton McKinley, Bureau of Technical Utility Services (via hand delivery, w/encl.)  
Phillip C. Kirchner, Prosecutor (via first class mail, w/encl.)  
Thomas F. Rafferty (via email, w/encl.)  
Frances P. Orth, Esq. (via email, w/encl.)

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**Respondent's Name: Thomas F. Rafferty**  
**Director, Corporate Development**  
**Aqua Pennsylvania, Inc.**  
**July 20, 2016**

**PENNSYLVANIA PUBLIC UTILITY COMMISSION**  
**WATER/WASTEWATER DIVISION DATA REQUESTS**  
**AQUA PENNSYLVANIA WASTEWATER, INC.**  
**Docket No. A-2016-2537163**

**Responses to Water/Wastewater Division Data Requests**

**A-1. The Application is silent as to whether it is in compliance with the DEP-approved Act 537 Official Sewage Facilities Plans (Act 537 Plans) for the municipalities included within the three requested wastewater service territories. Please state whether the Application is in compliance with the subject Act 537 Plans especially in terms of the boundaries for proposed service territories.**

**Response: The Application is in compliance with the 201 Wastewater Facilities Plan filed by Lake Engineering on behalf of the Emlenton Area Municipal Authority ("EAMA") in 1981. The Application is consistent with the boundaries proposed for the proposed service territories. There is no Act 537 Plan for these municipalities.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-2. Please provide a copy of the DEP-approved Act 537 Plans for each municipality included within the requested wastewater service territories.**

**Response: There is no Act 537 Plan for the municipalities included within the requested wastewater service territories. There is an approved 201 Wastewater Facilities Plan as mentioned in the response to Data Request A-1. A copy of the Plan is being provided to the Bureau of Technical Utility Services in electronic format.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-3. The proposed boundaries for the three wastewater service territories described in the Application's Exhibit B are not defined with bearing angles and distances. Please provide a written description for the boundaries of each of the three proposed service territories in terms of bearing angles and distances.**

**Response: A map with description of the proposed service territories in terms of bearing angles and distances is included with the response to this data request.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-4. The Application's Exhibit B quantifies the service territory areas for Mariasville and Lamartine but not Emlenton. Please quantify the area of the Emlenton service territory acres.**

**Response: The Emlenton service area is 1475 acres.**

**Respondent's Name: Thomas F. Rafferty  
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July 20, 2016**

**A-5. Section II, Paragraph 6 of the Application states that the Emlenton Area Municipal Authority (EAMA) provides service to 484 customers, 525 Equivalent Dwelling Units (EDUs). However, Schedule 1.1 Section II. B. of the Application's Assets Purchase Agreement states there are 412 residential/apartment accounts and 36 commercial/institutional/industrial accounts, for a total of 448 customers. Please explain this difference and state the correct total number of customers and total EDUs within the applied for service territories.**

**Response: EAMA has 448 customers (525 EDUs).**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-6. Please provide a breakdown of the number of customers served by class for each of the three wastewater treatment systems to be acquired.**

**Response: EAMA has 412 residential/apartment accounts and 36 commercial/institutional/industrial accounts. Of this total, the breakdown among Emlenton, Mariasville and Lamartine is as follows:**

	<u>Residential/Apartment Accounts</u>	<u>CII Accounts</u>
<b>Emlenton</b>	<b>338</b>	<b>32</b>
<b>Mariasville</b>	<b>17</b>	<b>2</b>
<b>Lamartine</b>	<b>57</b>	<b>2</b>

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-7. Please explain how EAMA defines an Equivalent Dwelling Unit (EDU).**

**Response: Please see the copy of EAMA's current wastewater rules and regulations included with the response to data request A-8.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-8. Please provide a complete copy of EAMA's current wastewater rules and regulations.**

**Response: A copy of EAMA's current wastewater rules and regulations is included with the response to this data request.**

**EMLENTON AREA MUNICIPAL AUTHORITY**  
**SEWER RATE RESOLUTION**

WHEREAS, the Federal Clean Water Act of 1977, PL 95-217, and the Municipal Construction Grant Amendments of 1981 thereto, and the Federal Regulation C.F.R. Section 35.2140 promulgated thereunder, requires that the cost of operation and maintenance of waste treatment systems must be distributed proportionately among the users of the Sewer System within the jurisdiction of the Authority; and

WHEREAS, said Act and Regulations require that User Charges be reviewed annually and revised to reflect the actual costs of operation and maintenance of the Sewer System; and

WHEREAS, Gibson-Thomas of Latrobe, Allegheny County, Pennsylvania, the consulting engineers for the Authority, have recommended a schedule of sanitary sewage collection, transportation and treatment charges which meet the conditions of the Authority's lender and the requirements of the aforesaid Federal Clean Water Act and the Regulations promulgated thereunder, and that said charges have been presented to the Authority.

**NOW THEREFORE, BE AND IT HEREBY IS RESOLVED:**

**Section A.** The schedule of sanitary sewage collection, transportation and treatment charges as well as tap-in fees and inspection fees for sewer service that is set forth in "Schedule A" attached hereto and made a part hereof, that has been recommended by the Authority's Consulting Engineers, be and it is hereby adopted by the Authority effective as of January 1, 2016.

**Section B.** All bills for sanitary sewage collection, transportation and treatment charge shall be rendered to the owner, not the tenant, of the premises to which the sewer service is furnished. The owner of the premises shall in all cases be liable for payment of such bills.

**Section C.** The Authority shall have charge and management of the Sewer System and shall issue from time to time Rules and Regulations governing the use, operation and maintenance of said Sewer System. The Authority reserves the right to refuse permission to connect directly or indirectly to the Sewer System, to compel discontinuance of use of the Sewer System, or to compel pretreatment of sewage and industrial wastes by any establishment in order to prevent discharges deemed harmful or to have a deleterious effect upon any portion of the Sewer System. Non-residential establishments having large variations in rates of waste discharge shall install such devices at their own expense as may be required and approved by the Authority for pretreating, monitoring, and/or equalizing discharges into the sewer system. The Authority's representatives and employees shall have access at all reasonable times to both residential and non-residential establishments for the purpose of establishing, determining, or checking water consumption and wastewaters discharged to or excluded from the Sewer System, and the character of discharges to the Sewer System.

**Section D.** The sanitary sewage collection, transportation and treatment charges imposed hereunder shall be due and payable immediately upon receipt of the bill by the owner of the premises served and shall be paid no later than the due date appearing on the bill. Said charges shall be subject to a five percent (5%) penalty if not paid within ten (10) days from their due date. If not paid within thirty (30) days after said due date, the charge plus the penalty shall bear interest at the rate of one and one-half percent (12%) per month or any fraction thereof until paid. If said charge, together with penalty and interest thereon is not paid in full within ninety (90) days after said due date, the Authority may cause the Emlenton Water Company to terminate any and all water service to the premises for which said sewer service charges, rates and/or rentals are unpaid as aforesaid, and shall charge a termination/reconnection fee in addition to any other charges or monies

due to the Authority and any other provision of said Sewer Rate Resolution, which termination/reconnection fee shall be the greater of a flat fee of One Hundred Fifty Dollars (\$150), or the actual cost of such termination and reconnection as paid by the Authority to the Emlenton Water Company, including payments for lost revenue, which termination/reconnection fee shall be paid in full, together with any other sums or monies due the Authority prior to reconnection of said water service. Any bank check or draft returned to the Authority due to insufficient funds and/or a closed account shall be charged a fee payable to the Authority in the amount of Twenty-Five Dollars (\$25.00) for each time the check or draft is returned.

**Section E.** The sanitary sewage collection, transportation and treatment charges imposed hereunder shall become effective on January 1, 2016.

**Section F.** Unless written permission is obtained from this Authority, separate connections will be required for each individual occupied building whether constructed as a detached unit or as one of a pair or row, but a single connection will be permitted to serve schools, factories, apartment houses, trailer courts or other permanent multiple unit structures. This Authority, however, does not and will not assume any obligation or responsibility for damages caused by or resulting from any such permitted single connection for multiple units aforementioned. All connections shall be made in accordance with the plans and procedures established in the Rules and Regulations of the Authority governing the Sewer System.

**Section G.** All resolutions or parts of resolution on this Authority not in accord with the Resolution are hereby repealed insofar as they affect this Resolution.

APPROVED AND ADOPTED this 9<sup>th</sup> day of December, 2015.

Attest:

EMLENTON AREA MUNICIPAL AUTHORITY

by:

Amy Whitehead  
Secretary  
(AUTHORITY SEAL)

Gary D. Fisher  
Chairman

EMLENTON AREA MUNICIPAL AUTHORITY  
SEWER RATE RESOLUTION

SCHEDULE A

The sewer service rates to be charged for sanitary sewage collection, transportation and treatment service furnished by the Sewer System of the Emlenton Area Municipal Authority and permit, tap-in and inspection fees associated with connection to the Sewer System shall be as follows:

A. Residential/Apartment User Class EDU Assignment

An Equivalent Domestic Unit (EDU) with regard to the Residential /Apartment User Class shall be defined as any room, group of rooms or enclosure occupied or intended for occupancy as separate living quarters for a family or other group of persons living together or by persons living alone, and shall be based upon one (1) Equivalent Domestic Unit per residential or apartment unit. Each residential or apartment unit in a building or complex of buildings shall be considered, at a minimum, to be a separate EDU even though it may be located in the same building with a residential unit or units or other commercial, institutional or industrial units.

B. Commercial/Institutional User Class EDU Assignment

An Equivalent Domestic Unit (EDU) with regard to the Commercial/ Institutional User Class shall be defined as any office, store, shop, motel, hotel, restaurant, club, tavern, barber or beauty shop, service station, funeral home, or other similar commercial establishment selling a product or rendering a service, or any religious, fraternal, governmental or similar institutional establishment, and shall be based upon the average monthly water usage during the previous complete budget period of the Authority (or the second calendar year preceding the year this Resolution becomes effective) divided by 4,000 gallons per month per Equivalent Domestic Unit. Each Commercial EDU in a building or complex of buildings shall be considered, at a minimum, to be a separate EDU even though it may be located in the same building with a residential unit or units or other commercial, institutional or industrial units, provided however, where such commercial units are tenants within the same building and have no water usage requirements other than a shared rest room facility, such units may be considered to be a single unit upon request.

The Emlenton Borough Municipal Swimming Pool shall pay a minimum of one EDU per month for each month which said pool is in operation, and EDU shall be based upon the average monthly water usage during pool operation in the previous budget period (or the first calendar year preceding the year this Resolution becomes effective) and shall not include any water utilized in filling the pool, divided by 4,000 gallons per month per EDU. Water utilized in maintaining the level of said pool will not be billed if appropriately metered.

A bed and breakfast establishment shall be permitted only one room, group of rooms or enclosure occupied or intended for occupancy as permanent separate living quarters for a family or other group of persons living together or alone.

C. Combined Residential /Apartment and Commercial/Institutional User Class EDU Assignment

An Equivalent Domestic Unit (EDU) with regard to the Combined Residential/Apartment and Commercial/Institutional User Class will be assigned separately to the Residential /Apartment user and to the Commercial /Industrial user per paragraphs A and B above if water usage by the two types of users can be separately metered. Otherwise, Combined User Class EDU Assignment will be determined on a case by case basis by the Authority.

D. **Industrial User Class EDU Assignment**

1. Normal Domestic Waste

An Equivalent Domestic Unit (EDU) with regard to the Industrial User Class shall be defined as any industrial establishment and shall be based upon the average monthly water usage during the previous complete budget period of the Authority (or the second calendar year preceding the year this Resolution becomes effective) divided by 4,000 gallons per month per Equivalent Domestic Unit.

2. Industrial Waste

Although the sewage treatment works will be capable of treating certain restricted industrial wastes as defined in Article VI of the Municipal Sewer Use Ordinance, the actual treatment of such wastes may increase the cost of operating and maintaining the public sanitary sewage system. Therefore, there will be imposed upon each person discharging such industrial waste into the public sanitary sewage system a surcharge, or surcharges, which are intended to cover such additional cost. Such surcharges shall be in addition to the regular sewage collection, transportation and treatment charges set forth in the Sewer Rate Resolution of the Authority, and shall be determined on an individual basis.

E. **EDU Assignment on the Basis of Flow Estimates**

In cases involving individual commercial, institutional or industrial users, where no water meter is available or where such users are not metered separately, EDU's shall be assigned on the basis of flow estimates as provided in Table 1 of Schedule A or on the basis of similar establishment's flows if, in the judgment of the Authority, such establishments exist within the metered customer base.

F. **Basic Monthly Charges**

1. Residential/Apartment User Class

A basic monthly service charge of \$45.00 per EDU shall be imposed beginning January 1, 2016.

2. Commercial/Institutional/Industrial User Classes

A basic monthly charge (not including any surcharge) shall be imposed beginning January 1, 2016, in accordance with the following formula (water consumption refers to the average monthly water usage during the previous complete budget period of the Authority, as defined hereinbefore):

Water consumption (gal. per month) / 4,000 gal. per month x \$45.00

For large-volume Commercial/Institutional/Industrial (ACI@) users, the rate shall be calculated at the rate of \$45.00 per EDU for the first twenty EDU's, and a rate of 2 thereof (\$22.50) per EDU for each EDU thereafter, to be reviewed annually. The Commercial/Institutional/Industrial class users must have suitable metering equipment which is approved by the Emlenton Area Municipal Authority and must be installed at the cost of the Commercial/Institutional/Industrial User.

A minimum of one (1) EDU shall be assigned to all commercial, institutional or industrial (normal domestic waste) users.

G. **Annual Rate Review**

In order to comply with lender requirements, and Federal Regulation regarding Sewer Use Charges, the Authority specifically covenants and provides herein that it shall review the User Charges provided for in this Schedule A annually and revise them periodically to reflect actual sanitary sewage collection, transportation and treatment service costs for operation and maintenance and debt service. The Authority shall accurately account for revenues generated by the system

and expenditures for operation and maintenance (including replacement) of the treatment system, based on a budget identifying the basis for determining the annual operation and maintenance costs including the costs of personnel, material, energy and administration.

**H. Permit Application and Inspection Fees**

a.	Residential	\$35.00
b.	Commercial	\$100.00
c.	Industrial	\$200.00

**I. Call Back Inspection Fees (Per call-back)**

a.	Residential	\$25.00
b.	Commercial	\$25.00
c.	Industrial	\$25.00

**J. Tap-in Fees**

When a person responsible for making a connection to a public sanitary sewer shall be required to connect or desires to connect to the public sanitary sewer as provided in the Sewer Use Ordinance, such persons shall include full payment of tap-in fees at the time of issuance of the Building Sewer Permit. The Tap-In Fee shall be assessed on the basis of \$330 per Equivalent Domestic Unit as assigned by the Authority and described in this Schedule A. This Tap-In Fee shall be in addition to the costs and expenses incidental to the installation and connection of building sewers, provided however, that any persons making connection to the pressure sewer main running along the easterly side of State Route 60064 in Richland Township, Venango County, Pennsylvania, from the Emlenton Borough line on the south to land now or formerly of Dennis G. Hickman, et ux, (Property Owner) on the north, shall be required to pay a Tap-In Fee in accordance with a Sewer Extension Agreement between the Authority and Dennis G. Hickman, et ux, dated June 13, 1990, plus the standard Tap-In Fee currently in effect, and any persons making connection to the gravity main running along the West side of L.R. 2003 in Richland Township, Venango County, Pennsylvania, shall be required to pay a Tap-In Fee in accordance with a Sewer Extension Agreement between Authority and Rodney L. Morrison, et ux, et al, dated the 30<sup>th</sup> day of May, 2007, plus the standard Tap-In Fee currently in effect.

**K. Economic Development Waiver of Sewer Use Charges.**

In order to stimulate economic development in the Emlenton Area Municipal Authority service area, the monthly sewage user charges for single family residential housing newly constructed in the service area will be waived upon written application of the developer for a period of nine months from connection date to the Authority sewage system or until sale to a private owner or until the residential structure is occupied, whichever occurs sooner. It shall be the obligation of the developer to report to the Emlenton Area Municipal Authority the sale or occupation of the residential structure and in the event that no such report is made to enable the Emlenton Area Municipal Authority to commence billing user fees, the developer shall be liable for the monthly user fees retroactive to the date the tap is connected to the Emlenton Area Municipal Authority sewer line.

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-9. Please provide a copy of the EAMA's most recent annual financial statement report submitted to the Commonwealth.**

**Response: A copy of EAMA's Financial Statements for 2008 and 2009 is included with the response to this data request. EAMA advises that these are the most recent annual financial statements submitted to the Commonwealth.**

**EMLENTON AREA  
MUNICIPAL AUTHORITY**

**Emlenton, Pennsylvania**

**FINANCIAL STATEMENTS**

**December 31, 2009 and 2008**

EMLENTON AREA MUNICIPAL AUTHORITY  
FINANCIAL STATEMENTS  
December 31, 2009 and 2008

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May & Company  
Certified Public Accountants  
Oil City, Pennsylvania

INDEPENDENT AUDITORS' REPORT

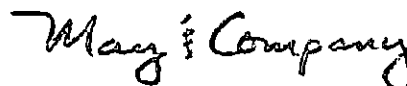
To the Board Members  
Emlenton Area Municipal Authority

We have audited the statements of net assets of the Emlenton Area Municipal Authority as of December 31, 2009 and 2008, and the related statements of revenues, expenses and changes in net assets and cash flows for the years then ended. These financial statements are the responsibility of the Authority's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of Emlenton Area Municipal Authority as of December 31, 2009 and 2008, and the results of its operations and cash flows for the years then ended, in conformity with accounting principles generally accepted in the United States of America.

The Authority has not presented the management's discussion and analysis that the Governmental Accounting Standards Board requires to supplement, although not be a part of, the basic financial statements.



August 8, 2011

EMLENTON AREA MUNICIPAL AUTHORITY  
**STATEMENTS OF NET ASSETS**  
December 31, 2009 and 2008

	2009	2008
<b>ASSETS</b>		
Current Assets:		
Cash and equivalents	\$ 49,552	\$ 50,924
Accounts receivable - current and liened	85,445	83,250
Prepaid insurance	121	130
Total Current Assets	135,118	134,304
Property, plant and equipment, net of accumulated depreciation of \$3,421,069 and \$3,273,002	356,745	504,812
	\$ 491,863	\$ 639,116
 <b>LIABILITIES</b>		
Current Liabilities:		
Accounts payable	\$ 10,653	\$ 26,397
Accrued payroll and payroll taxes	5,196	4,940
Sewer revenue note	80,568	77,837
Total Current Liabilities	96,417	109,174
General sewer revenue note	105,799	179,071
Total Liabilities	202,216	288,245
 <b>NET ASSETS</b>		
Invested in capital assets, net of related debt	170,378	247,904
Unrestricted	119,269	102,967
Total Net Assets	289,647	350,871
	\$ 491,863	\$ 639,116

See accompanying notes to financial statements.

EMLENTON AREA MUNICIPAL AUTHORITY  
**STATEMENTS OF REVENUES, EXPENSES AND CHANGES IN NET ASSETS**  
For the Years Ended December 31, 2009 and 2008

	2009	2008
<b>OPERATING REVENUES</b>	<u>\$ 344,856</u>	<u>\$ 286,843</u>
<b>OPERATING EXPENSES</b>		
Salaries and wages	86,429	93,693
Payroll taxes	7,053	7,636
Health insurance	15,566	15,376
Retirement	2,161	2,186
Utilities	25,732	26,096
Office expense	1,273	1,472
Maintenance	46,369	119,808
Lab expense	5,190	7,732
Vehicle expense	1,407	2,233
Billing expense	1,107	1,179
Professional fees	3,375	4,500
Engineering	20,463	15,467
Insurance	13,184	17,057
Sludge testing	17,580	21,446
Telephone	3,037	3,124
Rent expense	-	1,485
Travel and training	150	-
Depreciation	148,067	148,083
Miscellaneous	211	9,665
	<u>398,354</u>	<u>498,238</u>
Total Operating Expenses	<u>398,354</u>	<u>498,238</u>
Operating Loss	<u>(53,498)</u>	<u>(211,395)</u>
<b>NON-OPERATING REVENUES (EXPENSES)</b>		
Investment income	1,763	8,261
Interest expense	(9,489)	(13,651)
	<u>(7,726)</u>	<u>(5,390)</u>
Total Nonoperating Expenses, Net	<u>(7,726)</u>	<u>(5,390)</u>
Change in Net Assets	(61,224)	(216,785)
Net Assets, Beginning of Year	<u>350,871</u>	<u>567,656</u>
Net Assets, End of Year	<u>\$ 289,647</u>	<u>\$ 350,871</u>

See accompanying notes to financial statements.

EMLENTON AREA MUNICIPAL AUTHORITY  
**STATEMENTS OF CASH FLOWS**  
For the Years Ended December 31, 2009 and 2008

	2009	2008
<b>CASH FLOWS FROM OPERATING ACTIVITIES</b>		
Operating loss	<u>\$ (53,498)</u>	<u>\$ (211,395)</u>
Adjustments to reconcile net income to net cash from operating activities:		
Depreciation	148,067	148,083
(Increase) decrease in accounts receivable	(2,195)	16,131
Decrease in prepaid insurance	9	—
Increase (decrease) in accounts payable	(15,744)	26,397
Increase in accrued payroll and payroll taxes	<u>256</u>	<u>1,167</u>
Total adjustments	<u>130,393</u>	<u>191,778</u>
Net cash provided by (used in) operating activities	<u>76,895</u>	<u>(19,617)</u>
<b>CASH FLOWS FROM INVESTING ACTIVITIES</b>		
Investment income received	<u>1,763</u>	<u>8,261</u>
Net cash provided by investing activities	<u>1,763</u>	<u>8,261</u>
<b>CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES</b>		
Purchase of capital assets	—	(9,174)
Principal payments on general sewer revenue note	(70,541)	(73,655)
Payments of interest	<u>(9,489)</u>	<u>(13,651)</u>
Net cash used in financing activities	<u>(80,030)</u>	<u>(96,480)</u>
Net Decrease in Cash and Equivalents	(1,372)	(107,836)
Cash and Equivalents, Beginning of Year	<u>50,924</u>	<u>158,760</u>
Cash and Equivalents, End of Year	<u>\$ 49,552</u>	<u>\$ 50,924</u>

See accompanying notes to financial statements.

EMLENTON AREA MUNICIPAL AUTHORITY  
NOTES TO FINANCIAL STATEMENTS  
December 31, 2009 and 2008

**Note 1 - Summary of Significant Accounting Policies**

Description of the Entity - The Emlenton Area Municipal Authority (the Authority) exists under the laws of the Commonwealth of Pennsylvania, pursuant to the Municipality Authorities Act of 1945 as amended. The Authority is authorized by the act to acquire, hold, construct, improve, maintain and operate a sewer system.

Basis of Presentation - For financial reporting purposes, the Authority is considered to be a single program, special purpose government. The financial statements are presented as a proprietary activity.

Method of Accounting - The financial statements of the Authority have been prepared on the accrual basis of accounting. Under this method revenues are recorded when earned and expenses are recorded at the time liabilities are incurred.

Cash and Equivalents - The Authority considers all short-term, highly liquid investments to be cash equivalents.

Depreciation - Depreciation has been calculated on each class of depreciable property using the straight-line method with a half-year convention for current acquisitions. Estimated useful lives range from 5 to 50 years.

Allowance for Doubtful Accounts - No allowance is generally made due to an enforced water termination policy and liens on real property.

Estimates - Management uses estimates and assumptions in preparing financial statements. Those estimates and assumptions affect the reported amounts of assets and liabilities, and the reported revenues and expenses.

EMLENTON AREA MUNICIPAL AUTHORITY  
 NOTES TO FINANCIAL STATEMENTS  
December 31, 2009 and 2008

**Note 2 - Property, Plant and Equipment**

Additions to property, plant and equipment are recorded at cost or, if contributed property, at the estimated fair value at the time of contribution. Repairs and maintenance are recorded as expenses; renewals and betterments are capitalized. The sale or disposal of fixed assets is recorded by removing the cost and accumulated depreciation from the accounts and crediting or charging the resulting gain or loss to income. Property, plant and equipment at December 31 consisted of the following:

	<u>2009</u>	<u>2008</u>
Land	\$ 34,425	\$ 34,425
Office equipment	7,663	7,663
Emlenton plant	2,077,418	2,077,418
Lamartine plant	465,710	465,710
Mariaville plant	442,399	442,399
New Emlenton plant	49,659	49,659
Lines and grinder pumps	556,712	556,712
Line - Kerr Avenue Extension	71,475	71,475
Lines - Main Street, Kerr and River Avenue	<u>72,353</u>	<u>72,353</u>
	3,777,814	3,777,814
Accumulated depreciation	<u>(3,421,069)</u>	<u>(3,273,002)</u>
	<u>\$ 356,745</u>	<u>\$ 504,812</u>

**Note 3 - General Sewer Revenue Note Payable**

On February 25, 2002 the Authority issued a general sewer revenue note in the amount of \$700,000 through Farmer's National Bank. A portion of the note proceeds was used to assist in the payoff of the Sewer Revenue Bonds, Series of 1992. The note is secured by the Authority granting an assignment of, along with a perfected security interest in, the Authority's current and future receipts and revenues. The note bears a rate of interest of 4.5%, has a term of ten years and is payable in monthly installments of \$7,276. Maturities of the sewer revenue note are as follows:

2010	\$	80,568
2011		84,270
2012		<u>21,529</u>
	<u>\$</u>	<u>186,367</u>

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-10. Please state if EAMA has any existing commercial/institutional/industrial wastewater customers that receive water service from private wells. If so, please quantify the number of these customers in each of the three proposed service territories.**

**Response: EAMA advises that it has two wastewater customers in Mariasville and 2 wastewater customers in Lamartine receiving water service from private wells. It advises that it has no wastewater customers in Emlenton receiving water service from private wells.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A -11. Please quantify the length of the 21-inch trunk interceptor referenced in Section IV of the Application and identify the interceptor's material of construction.**

**Response: EAMA advises that the trunk interceptor is PVC and totals 3,430 linear feet of which 1,330 linear feet is 18 inch and 2,100 linear feet is 15 inch. The interceptor had been a 21 inch pipe but it was replaced in late 2013 with 18 inch and 15 inch pipe as set forth above.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-12. Please identify the material of construction and diameter for the 34,000 feet of collection system pipe referenced in Section IV of the Application.**

**Response: EAMA advises that the pipe material in the collection system is PVC. The collection system diameter is primarily 8 inch until the collection system flows into the trunk interceptor, where the diameter is 15 inches and 18 inches.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A -13. Please state the date that each of the three wastewater systems to be acquired were originally placed into public service.**

**Response: EAMA advises that the three wastewater systems, Emlenton, Mariasville and Lamartine, were placed into public service in June 1986.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-14. Please provide a copy of EAMA's Chapter 94 Municipal Wasteload Management Report that was most recently submitted to DEP.**

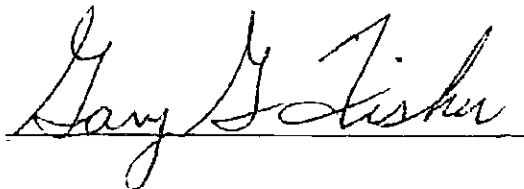
**Response: A copy of EAMA's most recent Municipal Wasteload Management Reports is included with the response to this data request.**

Chapter 94  
Municipal Wasteload Management Report  
for  
Emlenton Area Municipal Authority WWTP  
Emlenton Borough, Venango County

NPDES Permit No. PA0023566

Operating Year: 2014

Permitee Signature:

A handwritten signature in cursive script, appearing to read "Gary J. Fisher", is written over a horizontal line.

Report Preparer Signature:

\_\_\_\_\_

**Section 1**            **Hydraulic Loading**            §94.12(a)1

Permitted Hydraulic Design Capacity: 200 mgd

\*The Hydraulic Loading Table and Line Graph depicting the monthly average flows for each month for the past 5 years and projecting the flows for the next 5 years is attached in Appendix A.

*A hydraulic overload occurs when the monthly average flow entering a plant exceeds the permitted hydraulic design capacity for 3-consecutive months out of the preceding 12 months, or when the flow in a portion of the sewer system exceeds its hydraulic carrying capacity (sewer overflows and sewer surcharging). If an overload occurred or is projected, a Corrective Action Plan must be prepared and included with the Chapter 94 report (see Section 9).*

The sewerage system is hydraulically overloaded and/or projected to be overloaded within the next 5 years and Corrective Action Plan is attached?     Yes             No

Additional information/comments:

**The Emlenton wastewater treatment plant has been acquired by Aqua. The plant is under a cap to remove excess flow from the treatment plant. The plant has difficulty with very large rain events along with the spring melt.**

**Section 2**            **Organic Loading**            §94.12(a)2

Permitted Organic Design Capacity: 333.6 lbs/day

\*The Organic Loading Table and Line Graph depicting the monthly average organic loading for each month for the past 5 years and projecting the monthly average organic loading for the next 5 years is attached in Appendix B.

*An organic overload occurs when the average daily organic load exceeds the permitted organic design capacity of the sewage treatment plant. If an overload occurred or is projected, a Corrective Action Plan must be prepared and included with the Chapter 94 report (see Section 9).*

The sewage treatment plant is organically overloaded and/or projected to be overloaded within the next 5 years and a Corrective Action Plan is attached?     Yes             No

Additional information/comments: **The Emlenton STP is not overloaded at this time and is not projected to be in the future.**

**Section 3**                      **Basis of Loading Projections**                      §94.12(a)3

*(Include a brief discussion of how the future 5-year hydraulic and organic loading was derived. Information such as historical number of EDUs added per year, planning agency/census data, proposed sewer projects not yet built, Act 537 Plan projections and system derived or typical per capita loadings may be considered. Discuss methods and calculations used to determine this information, as well as a description of time needed to expand the plant to meet the future load projections, if necessary. Include in the appendix any data used to support the 5-year projections.)*

**There has been very limited growth in the borough; be that as it may, we feel that a possible increase of 1% could possibly occur thus the 1% increase. The census for the borough of Emlenton is 625. The EDU'S will fluctuate due to water usage and flow meter readings. The current number of EDU'S is 477. Some EDU'S are calculated for example, Aqua is charged by the amount of sewage sent to the plant, the same with Fuchs Lubricants (manufacturer in Emlenton that closed in June, 2014. From the hydraulic and organic loading charts, it reflects stability over the past five years.**

**Section 4**                      **Map of Sewer Extensions**                      §94.12(a)4

*(Attach a map and/or drawings showing the locations of all sewer extensions constructed, planned, or proposed during the operating year. Include a list summarizing each sewer extension and the population served.)*

- A map showing all sewer extensions constructed, planned or proposed during the operating year and a list summarizing each extension is attached as Appendix C.
- No sewer extensions were planned, proposed or constructed during the operating year.

Additional information/comments:

**Section 5**                      **Sewer System Program**                      §94.12(a)5

*(Include information for each of the sections below. If a particular activity was not performed during the operating year, simply indicate that the activity was not conducted.)*

**Monitoring:** *Identify the frequency of inspections performed in the collection/conveyance system and at pump stations. Types of data recorded such as flows, pump station run*

times, line pressures or motor amperage can be noted. If no sewer system monitoring is performed, indicate so.

We are able to notice a problem in the system by our experience and flow meter data and proceed to the manhole on Third Street and River Avenue. This manhole separates the town in half so we can tell by the flow in this manhole which part of town to look for the problem. This is done on an as needed basis with the necessary repairs made. When we notice a problem at the plant, at that point we go out in the system to try and locate the possible problem, there is no regular monitoring of the collection.

**Maintenance:** Describe any sewer cleaning schedules or other maintenance plans and discuss any specific maintenance performed during the operating year such as sewer flushing or root/debris removal and pump station cleaning. For example, "Flushed 400 feet of 12" sewer along Main Street." or "Power-washed and removed grit from Main Street Pump Station in April and October with removed material dried on our sand beds." If no maintenance was performed during the operating year, indicate so.

This year the Columbia Gas Co. finished replacing gas lines in town and televised our sewer lines to locate our lines so as not to damage them.

**Repair/Rehabilitation:** Describe any sewer system repairs or rehabilitation completed during the operating year, such as grouting, slip-lining, line replacement or manhole work. For example, "Raised 4 manhole lids in the 300 block of Main Street." If no repairs or rehab was performed, indicate so.

There were no major repairs in the system during 2014

**Personnel and Equipment:** List certified operators and personnel available to maintain the sewerage system. Include names, certification or Client ID numbers and Certification Class and Subclasses for certified operators and provide staffing schedules at the STP and/or collection system. List equipment available for system maintenance (e.g., back-hoe, sewer jet, portable meters, TV camera) and identify any arrangements with outside contractors for conducting maintenance and repairs.

There are 2 operators working for The Emlenton Area Municipal Authority. C. Edward Tanner Client ID number 199906 Class: A,E Subclass1, 2,3,4, and Kevin E O'Neil Client ID number 193432, Class:A,E, Subclass 2,3,4. We staff the three plants Emlenton, Mariasville, and Lamartine and are on duty at the plants 365 days a year to do necessary tests and any problems found. For any major repairs, line, TV etc we contract this work because we do not have the necessary equipment. We have the equipment for plant operation.

**Sampling Frequency:** *Discuss the frequency, type and location of influent sampling performed at the sewage treatment plant and/or within collection system. For example, "8-hour manual composite consisting of 4 grabs from 06:00 to 15:00 on Monday or Thursday of each week at the influent flume after the bar screen prior to any recirculated flows."*

**We take one influent sample per month, which is analyzed at Stewart laboratories, Inc. (DEP Lab No. 16-00328) for BOD5 and TSS. The sample is an 8 hour composite, consisting of 4 grab taken two hours a part (non-flow proportioned). Samples are taken before the bar screen at the head of the plant.**

**Quality Assurance/Data Analysis:**

- *Discuss sample collection/handling/shipping procedures and analysis.*
- *Identify the accredited laboratory used for conducting sample analysis.*
- *Identify the location of flow meters and include a copy of the flow meter calibration report(s). (Required only if the facility receives or will receive in the next 5 years monthly average flows exceeding 100,000 gpd, but a recommended practice for all.)*
- *Describe methods used for calculating organic load values.*

**Samples are stored in plastic bottles (provided by lab) in the refrigerator at 4 degrees - per registered thermometer. This sample is picked up and taken to Stewart Laboratories, Inc. for testing, a chain of custody goes with each sample pick up. We have only one flow meter located at the effluent weir. This meter is calibrated once a year by KWM Controls. The recalibration test was missed in 2014 but was done on March 10, 2015 (copy attached).**

**Organic loading is calculated by taking flow on the day of the influent sample (in MGD) x BOD analysis results (mg/l) x 8.34 (lbs. /gal) = Organic load (BOD lbs./day). The same procedure is done for the TSS sample.**

**Inflow/Infiltration ("I/I") Monitoring:** *Describe any I/I monitoring performed during the operating year such as flow monitoring, dye testing and smoke testing. Discuss any specific I/I projects completed or under way and include any estimated or measured flow reductions. Briefly discuss any regulations or ordinances relative to I/I. If no I/I work was performed, indicate so.*

**New influent flow measuring has been installed, but at this reporting is not operational. Due to the Aqua acquisition things are not moving forward. There is one**

sensor in the last manhole, before the wet well, that will tell the amount of flow coming to the plant.

**CSO Status Report:** Combined Sewer Overflow (CSO) communities are required to submit a supplement with the Chapter 94 report providing details on CSO activities. Refer to your NPDES permit to determine what information must be included.

The Annual CSO Supplemental report is attached and includes the information specified in the NPDES Permit.

Not applicable. Not a CSO community.

**Section 6 Sewer System Condition §94.12(a)6**

*(Discuss the condition of the sewer system including portions where conveyance capacity is being exceeded or will be exceeded in the next 5 years and portions where rehabilitation or cleaning is necessary to maintain the integrity of the system and prevent or eliminate bypassing, combined sewer overflows, sanitary sewer overflows, excessive infiltration or other system problems. Identify any unpermitted overflows that occurred during the operating year and discuss the measures proposed to prevent the overflows from recurring.)*

**For the most part our collection is in good condition. Although nothing is 100% there will always be I&I but we can handle this on an ongoing basis with the exception of an extreme event. Since the worst part in the system was repaired last year the I&I coming from the river has been eliminated. All overflows have been reported during the past year**

**Section 7 Pumping Stations §94.12(a)7**

*(Identify and discuss the condition of each pump station. Include a comparison of the maximum pumping rate with the present maximum flows and the projected 2-year maximum flows for each station. If a pump station is not required by permit to have flow monitoring capabilities, the present and projected flows may be estimated. If estimates are provided, describe how those estimates were derived.)*

Pump Station Name	Max Pump Rate	Present Max Flows	2-Year Max Flows
Influent pump station located inside the plant	With 2 pumps running estimated at 400 GPM	June 19, 2014 highest flow in 2014 284,092 gal – 3624	

		minutes pumping or 78.39 GPM	

**Section 8 Industrial Wastes ("IW") §94.12(a)8**

- The facility has an approved EPA Industrial Pretreatment Program.
- There are no IW discharges to the sewer system.

**IW Ordinance:** *Attach a copy of ordinances or regulations governing industrial waste discharges, or any changes to such, if not previously submitted.*

- A copy of the ordinance/regulation, or amendments to such, governing IW discharges is attached.
- A copy of the ordinance/regulation governing IW discharges was previously submitted with the Chapter 94 Report for operating year.
- An ordinance/regulation governing IW discharges has not been created.

**The authority has resolutions concerning IW waste in the system in the rate resolution. During 2014 no IW was received at the plant and none is expected in the future.**

**IW Monitoring:** *Discuss the program for surveillance and monitoring of IW discharges into the sewer system.*

**The Emlenton Plant does accept residential septage and portable toilet waste. In 2014 the plant received 1,252,450 gallons.**

The sewerage facility is not overloaded and is not projected to be overloaded within the next five years. A CAP is not required.

**Section 10**                      **Tributary Municipalities**                      §94.12(b)

*(Identify all municipalities that contribute sewage flow to the system. Municipalities with sewer systems that contribute sewage flows must submit information describing the condition of their sewer system, pump stations and their sewer maintenance program, which is to be included with the annual report. Tributary municipalities should complete Sections 4 through 8 above to be attached to this report as a supplement.)*

The following municipalities/authorities contribute sewage flows to the system. Supplemental information for each entity is attached.

There are no tributary municipalities/authorities that contribute sewage flows to the system.

Additional information/comments:

Emlenton Area Municipal Authority  
Venango and Clarion Counties, Pennsylvania

Chapter 94  
Municipal Wasteload Management Report

for

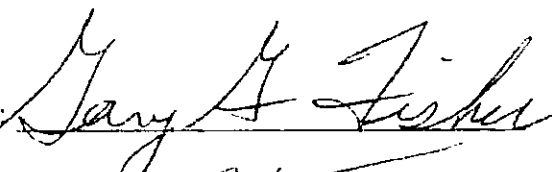
Mariasville WWTP

Mariasville, Clarion County

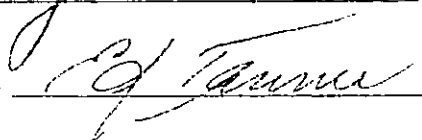
NPDES Permit No. 0101907

Operating Year: 2014

Permitee Signature:



Report Preparer Signature:



**Section 1**

**Hydraulic Loading**

§94.12(a)1

Permitted Hydraulic Design Capacity: .008 MGD

\*The Hydraulic Loading Table and Line Graph depicting the monthly average flows for each month for the past 5 years and projecting the flows for the next 5 years is attached in Appendix A.

*A hydraulic overload occurs when the monthly average flow entering a plant exceeds the permitted hydraulic design capacity for 3-consecutive months out of the preceding 12 months, or when the flow in a portion of the sewer system exceeds its hydraulic carrying capacity (sewer overflows and sewer surcharging). If an overload occurred or is projected, a Corrective Action Plan must be prepared and included with the Chapter 94 report (see Section 9).*

The sewerage system is hydraulically overloaded and/or projected to be overloaded within the next 5 years and Corrective Action Plan is attached?  Yes  No

Additional information/comments:

**Section 2**

**Organic Loading**

§94.12(a)2

Permitted Organic Design Capacity: 24.2 lbs/day

\*The Organic Loading Table and Line Graph depicting the monthly average organic loading for each month for the past 5 years and projecting the monthly average organic loading for the next 5 years is attached in Appendix B.

*An organic overload occurs when the average daily organic load exceeds the permitted organic design capacity of the sewage treatment plant. If an overload occurred or is projected, a Corrective Action Plan must be prepared and included with the Chapter 94 report (see Section 9).*

The sewage treatment plant is organically overloaded and/or projected to be overloaded within the next 5 years and a Corrective Action Plan is attached?  Yes  No

Additional information/comments:

**Section 3**                      **Basis of Loading Projections**                      §94.12(a)3

*(Include a brief discussion of how the future 5-year hydraulic and organic loading was derived. Information such as historical number of EDUs added per year, planning agency/census data, proposed sewer projects not yet built, Act 537 Plan projections and system derived or typical per capita loadings may be considered. Discuss methods and calculations used to determine this information, as well as a description of time needed to expand the plant to meet the future load projections, if necessary. Include in the appendix any data used to support the 5-year projections.)*

The Mariasville Wastewater Treatment Plant is an 8,000 GPD or 0.008 MGD. Currently the hydraulic loading is 62.5 % of capacity. The organic loading is at 36% of capacity. The influent enters the first septic tank at the plant under water so we can't take an influent sample. The organic loading is calculated by using the average BOD influent loading of 200mg/l X 8.34#/gal X the monthly average flow in MGD. Currently there are no plans for expansion in the future

**Section 4**                      **Map of Sewer Extensions**                      §94.12(a)4

*(Attach a map and/or drawings showing the locations of all sewer extensions constructed, planned, or proposed during the operating year. Include a list summarizing each sewer extension and the population served.)*

- A map showing all sewer extensions constructed, planned or proposed during the operating year and a list summarizing each extension is attached as Appendix C.
- No sewer extensions were planned, proposed or constructed during the operating year.

Additional information/comments:

**Section 5**                      **Sewer System Program**                      §94.12(a)5

*(Include information for each of the sections below. If a particular activity was not performed during the operating year, simply indicate that the activity was not conducted.)*

**Monitoring:** *Identify the frequency of inspections performed in the collection/conveyance system and at pump stations. Types of data recorded such as flows, pump station run times, line pressures or motor amperage can be noted. If no sewer system monitoring is performed, indicate so.*

The plant is inspected a minimum of once per week when we draw our samples. Any problems found are repaired as soon as possible. There are 2 dosing pumps that are monitored as to frequency and running times, and we record this information. Each EDU has a grinder pump that sends the waste to the plant. These pumps are maintained by the plant operators.

**Maintenance:** Describe any sewer cleaning schedules or other maintenance plans and discuss any specific maintenance performed during the operating year such as sewer flushing or root/debris removal and pump station cleaning. For example, "Flushed 400 feet of 12" sewer along Main Street." or "Power-washed and removed grit from Main Street Pump Station in April and October with removed material dried on our sand beds." If no maintenance was performed during the operating year, indicate so.

The main sewage system is a pressurized. Maintenance is done on an as needed basis. At the plant there are 2 septic tanks, the first is 10,000 gallons, the second is 5,000 gallons. From the second tank the gray water goes to the dosing tank. The pumps in the dosing tank pump the water to 2 sand filters. The filtrate goes to the chlorine contact tank, to the dechlor tank, and then to the receiving waters. When needed the septic tanks are pumped and the sludge is sent to the Emlenton plant.

**Repair/Rehabilitation:** Describe any sewer system repairs or rehabilitation completed during the operating year, such as grouting, slip-lining, line replacement or manhole work. For example, "Raised 4 manhole lids in the 300 block of Main Street." If no repairs or rehab was performed, indicate so.

During 2014 the beds were roto tilled.

**Personnel and Equipment:** List certified operators and personnel available to maintain the sewerage system. Include names, certification or Client ID numbers and Certification Class and Subclasses for certified operators and provide staffing schedules at the STP and/or collection system. List equipment available for system maintenance (e.g., back-hoe, sewer jet, portable meters, TV camera) and identify any arrangements with outside contractors for conducting maintenance and repairs.

There are 2 operators working for The Emlenton Area Municipal Authority. C. Edward Tanner Client ID number 199906 Class: A,E Subclass1, 2,3,4, and Kevin E O'Neil Client ID number 193432, Class:A,E, Subclass 2,3,4. We staff the three plants Emlenton, Mariasville, and Lamartine and are on duty at the plants 365 days a year to do necessary tests and take care of any problems found. For any major repairs, line

TV etc. we contract this work, because we do not have the necessary equipment. We use Eck's Dirt Work for our excavation jobs. We use Wilson Electric For electrical jobs. We use Miller Pipeline Technologies for pipeline televising and jetting jobs.

Sampling Frequency: *Discuss the frequency, type and location of influent sampling performed at the sewage treatment plant and/or within collection system. For example, "8-hour manual composite consisting of 4 grabs from 06:00 to 15:00 on Monday or Thursday of each week at the influent flume after the bar screen prior to any recirculated flows."*

When the plant was constructed the influent lines coming into the first septic tank are underwater and there is no way to get an influent sample. Only effluent samples are taken. The dosing tank has 2 - 5 HP pumps rated at 238 gallons per minute. Flow is calculated by multiplying 238 gallons per minute by the recorded minutes. The water from the dosing tank is pumped to the sand filter. The filtrate goes to the chlorine contact tank that holds 10,000 gallons so at maximum flow the system holds 1.25 days of water so we feel a grab sample represents a 24 hour composite. Each week we take samples for flow, pH, and TRC. Each month we take 2 samples for CBOD, TSS, Ammonia nitrogen, and fecal coliform. These samples are analyzed by Stewart Laboratories, Inc. The DEP lab number for Stewart Laboratory is 16-00328. These samples are a composite sample as described above.

Quality Assurance/Data Analysis:

- *Discuss sample collection/handling/shipping procedures and analysis.*
- *Identify the accredited laboratory used for conducting sample analysis.*
- *Identify the location of flow meters and include a copy of the flow meter calibration report(s). (Required only if the facility receives or will receive in the next 5 years monthly average flows exceeding 100,000 gpd, but a recommended practice for all.)*
- *Describe methods used for calculating organic load values.*

Inflow/Infiltration ("I/I") Monitoring: *Describe any I/I monitoring performed during the operating year such as flow monitoring, dye testing and smoke testing. Discuss any specific I/I projects completed or under way and include any estimated or measured flow reductions. Briefly discuss any regulations or ordinances relative to I/I. If no I/I work was performed, indicate so.*

The Mariasville plant is a pressurized sewer system and I&I is not a problem.

and/or pump station capacity, a CAP and schedule must be submitted with the annual report. In addition the permittee must:

1. Prohibit new connections to the overloaded sewerage facilities. No building permit may be issued by a governmental entity, which may result in a connection to overloaded sewerage facilities or increase the load to those sewerage facilities from an existing connection: exceptions to this requirement are contained in 25 Pa. Code §§94.55 through 94.57. The permittee shall retain records of exceptions granted and make records available to the Department upon request.
2. Immediately begin work for the planning, design, financing, construction and operation of the sewerage facilities that may be necessary to provide required capacities to meet anticipated demands for a reasonable time in the future.

If a hydraulic or organic overload is projected to occur within the next five years, a CAP and schedule must be submitted with the annual report and the permittee must limit new connections to and extensions of the sewerage facilities based upon remaining capacity.

The sewerage facility is hydraulically and/or organically overloaded, or is projected to be overloaded within the next 5 years, and a CAP is attached.

The sewerage facility is not overloaded and is not projected to be overloaded within the next five years. A CAP is not required.

### Section 10

### Tributary Municipalities

§94.12(b)

*(Identify all municipalities that contribute sewage flow to the system. Municipalities with sewer systems that contribute sewage flows must submit information describing the condition of their sewer system, pump stations and their sewer maintenance program, which is to be included with the annual report. Tributary municipalities should complete Sections 4 through 8 above to be attached to this report as a supplement.)*

The following municipalities/authorities contribute sewage flows to the system. Supplemental information for each entity is attached.

There are no tributary municipalities/authorities that contribute sewage flows to the system.

Additional information/comments:

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-15. Please provide a copy of all DEP permits issued for the EAMA wastewater system assets and state whether the system assets are in compliance with the permits.**

**Response: A copy of the current NPDES Discharge Permit No. PA0023566 for the Emlenton Wastewater Treatment Plant (WWTP) is included with the response to this data request.**

**The NPDES Discharge Permit No. PA0101907 for the Mariasville WWTP expired March 31, 2016, however, we understand that EAMA submitted an NPDES discharge permit renewal application to DEP on time so the permit should be administratively extended by DEP. A copy of the expired NPDES Permit is included with the response to this data request.**

**The Water Quality Management Permit No. 1684402 for the Lamartine WWTP, which is a land application system, is included with the response to this data request. It does not appear that the Permit for the Lamartine WWTP expires.**

**Aqua Pennsylvania Wastewater believes and has been advised by EAMA that all three facilities have been operated in compliance with their permits.**



**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
DISCHARGE REQUIREMENTS FOR PUBLICLY OWNED  
TREATMENT WORKS (POTWs)**

**NPDES PERMIT NO: PA0023566**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*,

**Emlenton Area Municipal Authority  
PO Box 448  
Emlenton, PA 16373-0448**

is authorized to discharge from a facility known as **Emlenton Municipal Authority STP**, located in **Emlenton Borough, Venango County**, to the **Allegheny River** in Watershed 16-G in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B and C hereof.

THIS PERMIT SHALL BECOME EFFECTIVE ON AUG 01 2013  
THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON JUL 31 2018

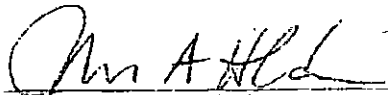
The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. (40 CFR 122.41(a))
3. A complete application for renewal of this permit, or notice of intent to cease discharging by the expiration date, must be submitted to DEP at least 180 days prior to the above expiration date (unless permission has been granted by DEP for submission at a later date), using the appropriate NPDES permit application form. (40 CFR 122.41(b), 122.21(d))

In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports (DMRs), will be automatically continued and will remain fully effective and enforceable against the discharger until DEP takes final action on the pending permit application. (25 Pa. Code 92a.7(b), (c))

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED JUL 19 2013

ISSUED BY   
John A. Holden, P.E.  
Clean Water Program Manager  
Northwest Regional Office

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS**

I. A. For Outfall 001, Latitude 41° 10' 32.22", Longitude 79° 42' 8.30", River Mile Index 89.89, Stream Code 42122

Receiving Waters: Allegheny River

Type of Effluent: Treated municipal sanitary wastes (sewage)

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Flow (MGD)	Report	XXX	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
Total Residual Chlorine	XXX	XXX	XXX	1.0	XXX	3.3	1/day	Grab
CBOD5	42	67	XXX	25	40	50	1/week	8-Hr Composite
Total Suspended Solids	50	75	XXX	30	45	60	1/week	8-Hr Composite
Fecal Coliform May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	1000	1/week	Grab
Fecal Coliform Oct 1 - Apr 30	XXX	XXX	XXX	2,000 Geo Mean	XXX	10000	1/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Outfall 001 after disinfection

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS**  
**(Continued)**

Additional Requirements

1. The permittee may not discharge:
  - a. Floating solids, scum, sheen or substances that result in observed deposits in the receiving water. (25 Pa Code 92a.41(c))
  - b. Oil and grease in amounts that cause a film or sheen upon or discoloration of the waters of this Commonwealth or adjoining shoreline, or that exceed 15 mg/l as a daily average or 30 mg/l at any time (or lesser amounts if specified in this permit). (25 Pa. Code 92a.47(a)(7) and 95.2(2))
  - c. Substances in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life. (25 Pa Code 93.6(a))
  - d. Foam or substances that produce an observed change in the color, taste, odor or turbidity of the receiving water, unless those conditions are otherwise controlled through effluent limitations or other requirements in this permit. (25 Pa Code 92a.41(c))
2. The monthly average percent removal of BOD<sub>5</sub> or CBOD<sub>5</sub> and TSS must be at least 85% for POTW facilities on a concentration basis except where 25 Pa. Code 92a.47(g) and (h) are applicable to facilities with combined sewer overflows (CSOs) or as otherwise specified in this permit. (25 Pa. Code 92a.47(a)(3))
3. If the permit requires the reporting of average weekly statistical results, the maximum weekly average concentration and maximum weekly average mass loading shall be reported, regardless of whether the results are obtained for the same or different weeks.
4. The permittee shall monitor the sewage effluent discharge(s) for the effluent parameters identified in the Part A limitations table(s) during all bypass events at the facility, using the sample types that are specified in the limitations table(s). Where the required sample type is "composite", the permittee must commence sample collection within one hour of the start of the bypass, wherever possible. The results shall be reported on the Daily Effluent Monitoring supplemental form (3800-FM-BPNPSM0435) and be incorporated into the calculations used to report self-monitoring data on Discharge Monitoring Reports (DMRs).

Footnotes

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured and recorded.
- (2) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.

Supplemental Information

- (1) The hydraulic design capacity of 0.2 million gallons per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to help determine whether a "hydraulic overload" situation exists, as defined in Title 25 Pa. Code Chapter 94.
- (2) The effluent limitations for Outfall 001 were determined using an effluent discharge rate of 0.2 MGD.
- (3) The organic design capacity of 333.60 lbs BOD<sub>5</sub> per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to determine whether an "organic overload" condition exists, as defined in 25 Pa. Code Chapter 94.

## II. DEFINITIONS

*At Outfall (XXX)* means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line (XXX), or where otherwise specified.

*Average* refers to the use of an arithmetic mean, unless otherwise specified in this permit. (40 CFR 122.41(l)(4)(iii))

*Best Management Practices (BMPs)* means schedules of activities, prohibitions of practices, maintenance procedures and other management practices to prevent or reduce the pollution to surface waters of the Commonwealth. BMPs also include treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. (25 Pa. Code 92a.2)

*Bypass* means the intentional diversion of waste streams from any portion of a treatment facility. (40 CFR 122.41(m)(1)(i))

*Calendar Week* is defined as the seven consecutive days from Sunday through Saturday, unless the permittee has been given permission by DEP to provide weekly data as Monday through Friday based on showing excellent performance of the facility and a history of compliance. In cases when the week falls in two separate months, the month with the most days in that week shall be the month for reporting.

*Clean Water Act* means the Federal Water Pollution Control Act, as amended (33 U.S.C.A. §§1251 to 1387).

*Composite Sample* (for all except GC/MS volatile organic analysis) means a combination of individual samples (at least eight for a 24-hour period or four for an 8-hour period) of at least 100 milliliters (mL) each obtained at spaced time intervals during the compositing period. The composite must be flow-proportional; either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval is proportional to the flow rates over the time period used to produce the composite. (EPA Form 2C)

*Composite Sample* (for GC/MS volatile organic analysis) consists of at least four aliquots or grab samples collected during the sampling event (not necessarily flow proportioned). The samples must be combined in the laboratory immediately before analysis and then one analysis is performed. (EPA Form 2C)

*Daily Average Temperature* means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.

*Daily Discharge* means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day. (25 Pa. Code 92a.2, 40 CFR 122.2)

*Daily Maximum Discharge Limitation* means the highest allowable "daily discharge."

*Discharge Monitoring Report (DMR)* means the DEP or EPA supplied form(s) for the reporting of self-monitoring results by the permittee. (25 Pa. Code 92a.2 and 40 CFR 122.2)

*Estimated Flow* means any method of liquid volume measurement based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.

*Geometric Mean* means the average of a set of n sample results given by the  $n^{\text{th}}$  root of their product.

*Grab Sample* means an individual sample of at least 100 mL collected at a randomly selected time over a period not to exceed 15 minutes. (EPA Form 2C)

*Hauled-In Wastes* means any waste that is introduced into a treatment facility through any method other than a direct connection to the sewage collection system. The term includes wastes transported to and disposed of within the treatment facility or other entry points within the collection system.

*Hazardous Substance* means any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act. (40 CFR 122.2)

*Immersion Stabilization (I-s)* means a calibrated device is immersed in the wastewater until the reading is stabilized.

*Indirect Discharger* means a non-domestic discharger introducing pollutants to a Publicly Owned Treatment Works (POTW) or other treatment works. (25 Pa. Code 92a.2 and 40 CFR 122.2)

*Industrial User* means a source of Indirect Discharge. (40 CFR 403.3)

*Instantaneous Maximum Effluent Limitation* means the highest allowable discharge of a concentration or mass of a substance at any one time as measured by a grab sample. (25 Pa. Code 92a.2)

*Measured Flow* means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.

*Monthly Average Discharge Limitation* means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month. (25 Pa. Code 92a.2)

*Municipality* means a city, town, borough, county, township, school district, institution, authority or other public body created by or pursuant to State law and having jurisdiction over disposal of sewage, industrial wastes, or other wastes. (25 Pa. Code 92a.2)

*Publicly Owned Treatment Works (POTW)* means a treatment works as defined by §212 of the Clean Water Act, owned by a state or municipality. The term includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. The term also includes sewers, pipes or other conveyances if they convey wastewater to a POTW providing treatment. The term also means the municipality as defined in section 502(4) of the Clean Water Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works. (25 Pa Code 92a.2 and 40 CFR 122.2)

*Severe Property Damage* means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production. (40 CFR 122.41(m)(1)(ii))

*Stormwater* means the runoff from precipitation, snow melt runoff, and surface runoff and drainage. (25 Pa. Code 92a.2)

*Stormwater Associated With Industrial Activity* means the discharge from any conveyance that is used for collecting and conveying stormwater and that is directly related to manufacturing, processing or raw materials storage areas at an industrial plant, and as defined at 40 CFR §122.26(b)(14)(I) – (ix) and (x) and 25 Pa. Code 92a.2.

*Toxic Pollutant* means those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains may, on the basis of information available to DEP cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in these organisms or their offspring. (25 Pa. Code 92a.2)

*Weekly Average Discharge Limitation* means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week.

### III. SELF-MONITORING, REPORTING AND RECORDKEEPING

#### A. Representative Sampling

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity (40 CFR 122.41(j)(1)). Representative sampling includes the collection of samples, where possible, during periods of adverse weather, changes in treatment plant performance and changes in treatment plant loading. If possible, effluent samples must be collected where the effluent is well mixed near the center of the discharge conveyance and at the approximate mid-depth point, where the turbulence is at a maximum and the settlement of solids is minimized. (40 CFR 122.48 and 25 Pa. Code § 92a.61)

2. Records Retention (40 CFR 122.41(j)(2))

Except for records of monitoring information required by this permit related to the permittee's sludge use and disposal activities which shall be retained for a period of at least 5 years, all records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for 3 years from the date of the sample measurement, report or application, unless a longer retention period is required by the permit. The 3-year period shall be extended as requested by DEP or the EPA Regional Administrator.

3. Recording of Results (40 CFR 122.41(j)(3))

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date and time of sampling or measurements.
- b. The person(s) who performed the sampling or measurements.
- c. The date(s) the analyses were performed.
- d. The person(s) who performed the analyses.
- e. The analytical techniques or methods used; and the associated detection level.
- f. The results of such analyses.

4. Test Procedures (40 CFR 122.41(j)(4))

Facilities that test or analyze environmental samples used to demonstrate compliance with this permit shall be in compliance with laboratory accreditation requirements of Act 90 of 2002 (27 Pa. C.S. §§4101-4113) and 25 Pa. Code Chapter 252, relating to environmental laboratory accreditation. Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those approved under 40 CFR Part 136 (or in the case of sludge use or disposal, approved under 40 CFR Part 136, unless otherwise specified in 40 CFR Part 503 or Subpart J of 25 Pa. Code Chapter 271), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in this permit.

5. Quality/Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

- a. The permittee, or its designated laboratory, shall participate in the periodic scheduled quality assurance inspections conducted by DEP and EPA. (40 CFR 122.41(e), 122.41(i)(3))
- b. The permittee, or its designated laboratory, shall develop and implement a program to assure the quality and accurateness of the analyses performed to satisfy the requirements of this permit, in accordance with 40 CFR Part 136. (40 CFR 122.41(j)(4))

B. Reporting of Monitoring Results

1. The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit. (40 CFR 122.41(e), 122.44(i)(1))
2. Discharge Monitoring Reports (DMRs) must be completed in accordance with DEP's published DMR Instructions (3800-BPNPMSM-0463). DMRs are based on calendar reporting periods. DMR(s) must be received by the agency(ies) specified in paragraph 3 below in accordance with the following schedule:
  - Monthly DMRs must be received within 28 days following the end of each calendar month.
  - Quarterly DMRs must be received within 28 days following the end of each calendar quarter, i.e., January 28, April 28, July 28, and October 28.
  - Semiannual DMRs must be received within 28 days following the end of each calendar semiannual period, i.e., January 28 and July 28.
  - Annual DMRs must be received by January 28, unless Part C of this permit requires otherwise.
3. The permittee shall complete all Supplemental Reporting forms (Supplemental DMRs) provided by DEP in this permit (or an approved equivalent), and submit the signed, completed forms as an attachment to the DMR(s). If the permittee elects to use DEP's electronic DMR (eDMR) system, one electronic submission may be made for DMRs and Supplemental DMRs. If paper forms are used, the completed forms shall be mailed to:

Department of Environmental Protection  
Clean Water Program  
230 Chestnut Street  
Meadville, PA 16335-3481
4. If the permittee elects to begin using DEP's eDMR system to submit DMRs required by the permit, the permittee shall, to assure continuity of business operations, continue using the eDMR system to submit all DMRs and Supplemental Reports required by the permit, unless the following steps are completed to discontinue use of eDMR:
  - a. The permittee shall submit written notification to the regional office that issued the permit that it intends to discontinue use of eDMR. The notification shall be signed by a principal executive officer or authorized agent of the permittee.
  - b. The permittee shall continue using eDMR until the permittee receives written notification from DEP's Central Office that the facility has been removed from the eDMR system, and electronic report submissions are no longer expected.
5. The completed DMR Form shall be signed and certified by either of the following applicable persons, as defined in 25 Pa. Code 92a.22:
  - For a corporation - by a principal executive officer of at least the level of vice president, or an authorized representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the NPDES form originates.
  - For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
  - For a municipality, state, federal or other public agency - by a principal executive officer or ranking elected official.

If signed by a person other than the above, written notification of delegation of DMR signatory authority must be submitted to DEP in advance of or along with the relevant DMR form. (40 CFR 122.22(b))

6. If the permittee monitors any pollutant at monitoring points as designated by this permit, using analytical methods described in Part A III.A.4. herein, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR. (40 CFR 122.41(l)(4)(II))

C. Reporting and Notification Requirements

1. Planned Changes to Physical Facilities – The permittee shall give notice to DEP as soon as possible but no later than 30 days prior to planned physical alterations or additions to the permitted facility. A permit under 25 Pa. Code Chapter 91 may be required for these situations prior to implementing the planned changes. A permit application, or other written submission to DEP, can be used to satisfy the notification requirements of this section.

Notice is required when:

- a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR §122.29(b). (40 CFR 122.41(l)(1)(I))
  - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in this permit. (40 CFR 122.41(l)(1)(ii))
  - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan. (40 CFR 122.41(l)(1)(iii))
  - d. The planned change may result in noncompliance with permit requirements. (40 CFR 122.41(l)(2))
  - e. The facility is proposing an expansion or modifications to its treatment processes.
2. Planned Changes to Waste Stream – Under the authority of 25 Pa. Code 92a.24(a) and 40 CFR 122.42(b), the permittee shall provide notice to DEP and EPA as soon as possible but no later than 45 days prior to any changes in the volume or pollutant concentration of its influent waste stream as a result of indirect discharges or hauled-in wastes, as specified in paragraphs 2.a. and 2.b., below. Notice shall be provided on the "Planned Changes to Waste Stream" Supplemental Report (3800-FM-BPNPSM0482), available on DEP's website. The permittee shall provide information on the quality and quantity of waste introduced into the POTW, and any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW (40 CFR 122.42(b)(3)). The Report shall be sent via Certified Mail or other means to confirm DEP's receipt of the notification. DEP will determine if the submission of an application and receipt of an amended permit is required.
    - a. Introduction of New Pollutants (25 Pa. Code 92a.24(a), 40 CFR 122.42(b)(1))

New pollutants are defined as parameters that meet one or more of the following criteria:

- (i) Were not detected in the facilities' influent waste stream as reported in the permit application, or were otherwise not analyzed in the influent and reported to DEP prior to permit issuance;
- (ii) Have not been previously approved to be included in the permittee's influent waste stream by DEP and/or EPA in writing;
- (iii) Are previously unapproved pollutants introduced into the POTW from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were directly discharging these pollutants (40 CFR 122.42(b)(1)).

The permittee shall provide notification of the introduction of new pollutants in accordance with paragraph 2 above. The permittee may not authorize the introduction of new pollutants until the permittee receives DEP's and/or EPA's written approval.

b. Increased Loading of Approved Pollutants (25 Pa. Code 92a.24(a), 40 CFR 122.42(b)(2))

Approved pollutants are defined as parameters that meet one or more of the following criteria:

- (i) Were detected in the facilities' influent waste stream as reported in the permittee's permit application or were otherwise analyzed and reported to DEP prior to permit issuance;
- (ii) Have an effluent limitation or monitoring requirement in this permit;
- (iii) Have been previously approved for the permittee's influent waste stream by DEP in writing.

The permittee shall provide notification of the introduction of increased influent loading (lbs/day) of approved pollutants in accordance with paragraph 2 above when (1) the cumulative increase in influent loading (lbs/day) exceeds 10% of the maximum loading reported in the permit application, or a loading previously approved by DEP, or (2) may cause an exceedance in the effluent of Effluent Limitation Guidelines (ELGs) or limitations in Part A of this permit, or (3) may cause interference or pass through at the POTW, or (4) may cause exceedances of the applicable water quality standards in the receiving stream. Unless specified otherwise in this permit, if DEP and/or EPA does not respond to the notification within 30 days of its receipt, the permittee may proceed with the increase in loading. The acceptance of increased loading of approved pollutants may not result in an exceedance of ELGs or effluent limitations, may not result in a hydraulic or organic overload condition as defined in 25 Pa. Code 94.1, and may not cause exceedances of the applicable water quality standards in the receiving stream.

c. New Information on Existing Discharges

The permittee shall notify DEP and EPA where it discovers new information, not reported previously, on the quality and quantity of the effluent introduced into the POTW by an industrial user or an indirect discharger and the anticipated impact of the change in the quality and quantity of effluent to be discharged from the POTW. (40 CFR 122.41(h) and 122.62)

3. Reporting Requirements for Hauled-In Wastes

a. Receipt of Residual Waste

- (i) The permittee shall document the receipt of all hauled-in residual wastes (including but not limited to wastewater from oil and gas wells, food processing waste, and landfill leachate) received for processing at the treatment facility. The permittee shall report hauled-in residual wastes on a monthly basis to DEP on the "Hauled In Residual Wastes" Supplemental Report (3800-FM-BPNPSM0450) as an attachment to the DMR. If no residual wastes were received during a month, submission of the Supplemental Report is not required.

The following information is required by the Supplemental Report. The information used to develop the Report shall be retained by the permittee for five years from the date of receipt and must be made available to DEP or EPA upon request.

- (1) The dates that residual wastes were received.
- (2) The volume (gallons) of wastes received.
- (3) The license plate number of the vehicle transporting the waste to the treatment facility.
- (4) The permit number(s) of the well(s) where residual wastes were generated, if applicable.

- (5) The name and address of the generator of the residual wastes.
- (6) The type of wastewater.
- (7) Documentation of whether or not a chemical analysis of the residual wastes were reported on a Residual Waste Form 26R, or a separate waste characterization using the parameters from Form 26R.

The transporter of residual waste must maintain these and other records as part of the daily operational record (25 Pa. Code 299.219). If the transporter is unable to provide this information, the residual wastes shall not be accepted by the permittee until such time as the transporter is able to provide the required information.

- (ii) The following conditions apply to the characterization of residual wastes received by the permitted treatment facility:
  - (1) The permitted facility must receive and maintain on file a characterization of the residual wastes it receives from the generator, as required by 25 Pa. Code 287.54. The characterization shall conform to the Bureau of Waste Management's Form 26R except as noted in paragraph (2), below. Each load of residual waste received must be characterized accordingly.
  - (2) For wastewater generated from hydraulic fracturing operations ("frac wastewater") within the first 30 production days of a well site, the characterization may be a general frac wastewater characterization approved by DEP. Thereafter, the characterization must be waste-specific and reported on the Form 26R.

b. Receipt of Municipal Waste

- (i) The permittee shall document the receipt of all hauled-in municipal wastes (including but not limited to septage and liquid sewage sludge) received for processing at the treatment facility. The permittee shall report hauled-in municipal wastes on a monthly basis to DEP on the "Hauled in Municipal Wastes" Supplemental Report (3800-FM-BPNPSM0437) as an attachment to the DMR. If no municipal wastes were received during a month, submission of the Supplemental Report is not required.

The following information is required by the Supplemental Report:

- (1) The dates that municipal wastes were received.
  - (2) The volume (gallons) of wastes received.
  - (3) The BOD<sub>5</sub> concentration (mg/l) and load (lbs) for the wastes received.
  - (4) The location(s) where wastes were disposed of within the treatment facility.
- (ii) Sampling and analysis of hauled-in municipal wastes must be completed to characterize the organic strength of the wastes, unless composite sampling of influent wastewater is performed at a location downstream of the point of entry for the wastes. The influent BOD<sub>5</sub> characterization for the treatment facility, as reported in the annual Municipal Wasteload Management Report per 25 Pa. Code Chapter 94, must be representative of the hauled-in municipal wastes received.

4. Unanticipated Noncompliance or Potential Pollution Reporting

- a. Immediate Reporting - The permittee shall immediately report any incident causing or threatening pollution in accordance with the requirements of 25 Pa. Code Sections 91.33 and 92a.41(b).
- (i) If, because of an accident, other activity or incident a toxic substance or another substance which would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property, the permittee shall immediately notify DEP by telephone of the location and nature of the danger. Oral notification to the Department is required as soon as possible, but no later than 4 hours after the permittee becomes aware of the incident causing or threatening pollution.
  - (ii) If reasonably possible to do so, the permittee shall immediately notify downstream users of the waters of the Commonwealth to which the substance was discharged. Such notice shall include the location and nature of the danger.
  - (iii) The permittee shall immediately take or cause to be taken steps necessary to prevent injury to property and downstream users of the waters from pollution or a danger of pollution and, in addition, within 15 days from the incident, shall remove the residual substances contained thereon or therein from the ground and from the affected waters of this Commonwealth to the extent required by applicable law.
- b. The permittee shall report any noncompliance which may endanger health or the environment in accordance with the requirements of 40 CFR 122.41(l)(6). These requirements include the following obligations:
- (i) 24 Hour Reporting - The permittee shall orally report any noncompliance with this permit which may endanger health or the environment within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported within 24 hours under this paragraph (40 CFR 122.41(l)(6)(ii)):
    - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
    - (2) Any upset which exceeds any effluent limitation in the permit; and
    - (3) Violation of the maximum daily discharge limitation for any of the pollutants listed in the permit as being subject to the 24-hour reporting requirement.
  - (ii) Written Report - A written submission shall also be provided within 5 days of the time the permittee becomes aware of any noncompliance which may endanger health or the environment. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.
  - (iii) Waiver of Written Report - DEP may waive the written report on a case-by-case basis if the associated oral report has been received within 24 hours from the time the permittee becomes aware of the circumstances which may endanger health or the environment. Unless such a waiver is expressly granted by DEP, the permittee shall submit a written report in accordance with this paragraph. (40 CFR 122.41(l)(6)(iii))

5. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraph C.4 of this section or specific requirements of compliance schedules, at the time DMRs are submitted, on the Non-Compliance Reporting Form (3800-FM-BPNPSM0440). The reports shall contain the information listed in paragraph C.4.b.(ii) of this section. (40 CFR 122.41(l)(7))

**PART B**

**I. MANAGEMENT REQUIREMENTS**

**A. Compliance Schedules (25 Pa. Code 92a.51, 40 CFR 122.47(a))**

1. The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in this permit.
2. The permittee shall submit reports of compliance or noncompliance, or progress reports as applicable, for any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline. (40 CFR 122.47(a)(4))

**B. Permit Modification, Termination, or Revocation and Reissuance**

1. This permit may be modified, terminated, or revoked and reissued during its term in accordance with 25 Pa. Code 92a.72 and 40 CFR 122.41(f).
2. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition. (40 CFR 122.41(f))
3. In the absence of DEP action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions. (40 CFR 122.41(a)(1))

**C. Duty to Provide Information**

1. The permittee shall furnish to DEP, within a reasonable time, any information which DEP may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. (40 CFR 122.41(h))
2. The permittee shall furnish to DEP, upon request, copies of records required to be kept by this permit. (40 CFR 122.41(h))
3. Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to DEP, it shall promptly submit the correct and complete facts or information. (40 CFR 122.41(l)(8))
4. The permittee shall provide the following information in the annual Municipal Wasteload Management Report, required under the provisions of Title 25 Pa. Code Chapter 94:
  - a. The requirements identified in 25 Pa. Code 94.12.
  - b. The identity of any indirect discharger(s) served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimate concentration of each pollutant discharged into the POTW by the indirect discharger.
  - c. A "Solids Management Inventory" if specified in Part C of this permit.
  - d. The total volume of hauled-in residual and municipal wastes received during the year, by source.
  - e. The Annual Report requirements for permittees required to implement an industrial pretreatment program listed in Part C, as applicable.

**D. General Pretreatment Requirements**

1. Any POTW (or combination of POTWs operated by the same authority) with a total design flow greater than 5 million gallons per day (MGD) and receiving from industrial users pollutants which pass through or interfere with the operation of the POTW or are otherwise subject to Pretreatment Standards will be required to establish a POTW Pretreatment Program unless specifically exempted by the Approval Authority. A POTW with a design flow of 5 MGD or less may be required to develop a POTW Pretreatment Program if the Approval Authority finds that the nature or volume of the industrial influent, treatment process upsets, violations of effluent limitations, contamination of sludge, or other circumstances warrant in order to prevent interference or pass through. (40 CFR 403.8)
2. Each POTW with an approved Pretreatment Program pursuant to 40 CFR 403.8 shall develop and enforce specific limits to implement the prohibitions listed in 40 CFR 403.5(a)(1) and (b), and shall continue to develop these limits as necessary and effectively enforce such limits. This condition applies, for example, when there are planned changes to the waste stream as identified in Part A III.C.2. If the permittee is required to develop or continue implementation of a Pretreatment Program, detailed requirements will be contained in Part C of this permit.
3. For all POTWs, where pollutants contributed by indirect dischargers result in interference or pass through, and a violation is likely to recur, the permittee shall develop and enforce specific limits for indirect dischargers and other users, as appropriate, that together with appropriate facility or operational changes, are necessary to ensure renewed or continued compliance with this permit or sludge use or disposal practices. Where POTWs do not have an approved Pretreatment Program, the permittee shall submit a copy of such limits to DEP when developed. (25 Pa. Code 92a.47(d))

E. Proper Operation and Maintenance

1. The permittee shall employ operators certified in compliance with the Water and Wastewater Systems Operators Certification Act (63 P.S. §§1001-1015.1).
2. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems that are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit. (40 CFR 122.41(e))

F. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge, sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment. (40 CFR 122.41(d))

G. Bypassing

1. Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions in paragraphs two, three and four of this section. (40 CFR 122.41(m)(2))
2. Other Bypassing - In all other situations, bypassing is prohibited and DEP may take enforcement action against the permittee for bypass unless:
  - a. A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage." (40 CFR 122.41(m)(4)(i)(A))
  - b. There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This

condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance. (40 CFR 122.41(m)(4)(i)(B))

- c. The permittee submitted the necessary notice required in paragraph G.4 below. (40 CFR 122.41(m)(4)(i)(C))
3. DEP may approve an anticipated bypass, after considering its adverse effects, if DEP determines that it will meet the conditions listed in paragraph G.2 above. (40 CFR 122.41(m)(4)(ii))
4. Notice
- a. Anticipated Bypass – If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible, at least 10 days before the bypass. (40 CFR 122.41(m)(3)(i))
- b. Unanticipated Bypass
- (i) The permittee shall submit immediate notice of an unanticipated bypass causing or threatening pollution. The notice shall be in accordance with Part A III.C.4.a.
- (ii) The permittee shall submit crai notice of any other unanticipated bypass within 24 hours, regardless of whether the bypass may endanger health or the environment or whether the bypass exceeds effluent limitations. The notice shall be in accordance with Part A III.C.4.b.

#### H. Sanitary Sewer Overflows (SSOs)

An SSO is an overflow of wastewater, or other untreated discharge from a separate sanitary sewer system (which is not a combined sewer system), which results from a flow in excess of the carrying capacity of the system or from some other cause prior to reaching the headworks of the sewage treatment facility. SSOs are not authorized under this permit. The permittee shall immediately report any SSO to DEP in accordance with Part A III.C.4 of this permit.

## II. PENALTIES AND LIABILITY

### A. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative and/or criminal penalties as set forth in 40 CFR §122.41(a)(2).

Any person or municipality, who violates any provision of this permit, any rule, regulation or order of DEP; or any condition or limitation of any permit issued pursuant to the Clean Streams Law, is subject to criminal and/or civil penalties as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

### B. Falsifying Information

Any person who does any of the following:

- Falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit, or
- Knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or noncompliance)

Shall, upon conviction, be punished by a fine and/or imprisonment as set forth in 18 Pa.C.S.A § 4904 and 40 CFR §122.41(j)(5) and (k)(2).

C. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject to under the Clean Water Act and the Clean Streams Law.

D. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. 40 CFR 122.41(c)

III. OTHER RESPONSIBILITIES

A. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law, and Title 25 Pa. Code Chapter 92a and 40 CFR §122.41(i), the permittee shall allow authorized representatives of DEP and EPA, upon the presentation of credentials and other documents as may be required by law:

1. To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit; (40 CFR 122.41(i)(1))
2. To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit; (40 CFR 122.41(i)(2))
3. To inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and (40 CFR 122.41(i)(3))
4. To sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or the Clean Streams Law, any substances or parameters at any location. (40 CFR 122.41(i)(4))

B. Transfer of Permits

1. Transfers by modification. Except as provided in paragraph 2 of this section, a permit may be transferred by the permittee to a new owner or operator only if this permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act. (40 CFR 122.61(a))
2. Automatic transfers. As an alternative to transfers under paragraph 1 of this section, any NPDES permit may be automatically transferred to a new permittee if:
  - a. The current permittee notifies DEP at least 30 days in advance of the proposed transfer date in paragraph 2.b. of this section; (40 CFR 122.61(b)(1))
  - b. The notice includes the appropriate DEP transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them; and (40 CFR 122.61(b)(2))
  - c. DEP does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue this permit, the transfer is effective on the date specified in the agreement mentioned in paragraph 2.b. of this section. (40 CFR 122.61(b)(3))

d. The new permittee is in compliance with existing DEP issued permits, regulations, orders and schedules of compliance, or has demonstrated that any noncompliance with the existing permits has been resolved by an appropriate compliance action or by the terms and conditions of the permit (including compliance schedules set forth in the permit), consistent with 25 Pa. Code 92a.51 (relating to schedules of compliance) and other appropriate Department regulations. (25 Pa. Code 92a.71)

3. In the event DEP does not approve transfer of this permit, the new owner or controller must submit a new permit application.

C. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege. (40 CFR 122.41(g))

D. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit. (40 CFR 122.41(b))

E. Other Laws

The issuance of this permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of state or local law or regulations.

**ANNUAL FEE**

Permittees shall pay an annual fee in accordance with 25 Pa. Code § 92a.62. Annual fee amounts are specified in the following schedule and are due on each anniversary of the effective date of the most recent new or reissued permit. All flows identified in the schedule are annual average design flows. (25 Pa. Code 92a.62)

Small Flow Treatment Facility (SRSTP and SFTF)	\$0
Minor Sewage Facility < 0.05 MGD (million gallons per day)	\$250
Minor Sewage Facility ≥ 0.05 and < 1 MGD	\$500
Minor Sewage Facility with CSO (Combined Sewer Overflow)	\$750
Major Sewage Facility ≥ 1 and < 5 MGD	\$1,250
Major Sewage Facility ≥ 5 MGD	\$2,500
Major Sewage Facility with CSO	\$5,000

As of the effective date of this permit, the facility covered by the permit is classified in the following fee category: **Minor Sewage Facility ≥ 0.05 and < 1 MGD.**

Invoices for annual fees will be mailed to permittees approximately three months prior to the due date. In the event that an invoice is not received, the permittee is nonetheless responsible for payment. Throughout a five year permit term, permittees will pay four annual fees followed by a permit renewal application fee in the last year of permit coverage. Permittees may contact the DEP at 717-787-6744 with questions related to annual fees. The fees identified above are subject to change in accordance with 25 Pa. Code 92a.62(e).

Payment for annual fees shall be remitted to DEP at the address below by the anniversary date. Checks should be made payable to the Commonwealth of Pennsylvania.

PA Department of Environmental Protection  
Bureau of Point and Non-Point Source Management  
Re: Chapter 92a Annual Fee  
P.O. Box 8466  
Harrisburg, PA 17105-8466

**PART C**

**I. OTHER REQUIREMENTS**

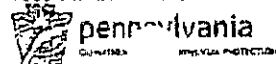
- A. No storm water from pavements, area ways, roofs, foundation drains or other sources shall be directly admitted to the sanitary sewers associated with the herein approved discharge.
- B. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance or replacement of all sewers or sewerage structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.
- C. Collected screenings, slurries, sludges, and other solids shall be handled and disposed of in compliance with 25 Pa. Code, Chapters 271, 273, 275, 283, and 285 (related to permits and requirements for landfilling, land application, incineration, and storage of sewage sludge), Federal Regulation 40 CFR 257, Pennsylvania Clean Streams Law, Pennsylvania Solid Waste Management Act of 1980, and the Federal Clean Water Act and its amendments.
- D. The permittee shall optimize chlorine dosages used for disinfection or other purposes to minimize the concentration of Total Residual Chlorine (TRC) in the effluent, meet applicable effluent limitations, and reduce the possibility of adversely affecting the receiving waters. Optimization efforts may include an evaluation of wastewater characteristics, mixing characteristics, and contact times, adjustments to process controls, and maintenance of the disinfection facilities. If DEP determines that effluent TRC is causing adverse water quality impacts, DEP may reopen this permit to apply new or more stringent effluent limitations and/or require implementation of control measures or operational practices to eliminate such impacts.

**II. REQUIREMENT TO USE EDMR SYSTEM**

The permittee shall continue to use eDMR for all subsequent reporting periods unless DEP grants written approval to discontinue its use and issues an amendment to this permit.

**III. SOLIDS MANAGEMENT**

- A. The permittee shall manage and properly dispose of sewage sludge and/or biosolids, produced by the system, by balancing the amount of solids maintained within the treatment system. The permittee shall develop a scheduled sludge wasting rate that maintains an appropriate mass balance for the specific treatment process type and system loadings and maintains compliance with permit effluent conditions. Holding excess sludge within clarifiers or in the disinfection process is not acceptable. The permittee shall compute and set the wasting rate and time so as to maintain an appropriate balance of sludge in the system. Seasonal variations shall be considered in developing sludge wasting rates.
- B. The permittee shall submit the Supplemental Report entitled, "Supplemental Report - Sewage Sludge/Biosolids Production and Disposal" (Form No. 3800-FM-WSFR0438), as an attachment to the DMR on a monthly basis. When applicable, the permittee shall submit the Supplemental Reports entitled, "Supplemental Report - Hauled In Municipal Wastes" (Form No. 3800-FM-WSFR0437) and "Supplemental Report - Hauled In Residual Wastes" (Form No. 3800-FMWSFR0450), as attachments to the DMR.
- C. By March 31 of each year, the permittee shall submit a "Sewage Sludge Management Inventory" that summarizes the amount of sewage sludge and/or biosolids produced and wasted during the calendar year from the system. The "Sewage Sludge Management inventory" may be submitted with the Municipal Wasteload Management Report required by Chapter 94. This summary shall include the expected sewage sludge production (estimated using the methodology described in the U.S. EPA handbook, "improving POTW Performance Using the Composite Correction Approach" (EPA-625/6-84-008), compared with the actual amount disposed during the year. Sludge quantities shall be expressed as dry weight in addition to gallons or other appropriate units.



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT  
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

Facility Type: MINOR

PERMITTEE NAME/ADDRESS

NAME Emlenton Area Municipal Authority  
Clarion & Venango County  
 ADDRESS P O Box 448  
Emlenton, PA 16373-0448  
 FACILITY Emlenton Municipal Authority STP  
 LOCATION Emlenton Borough  
Venango County  
 WATERSHED 16-G

PA0023566  
 PERMIT NUMBER

001  
 OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: August 1, 2013  
 DMR Effective To: July 31, 2018  
 Permit Expires: July 31, 2018  
 Permit Application Due: February 1, 2018

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Check Here if No Discharge

NOTE: Read instructions before completing this form

RMS file: WQ/Sew/W/ Tech Rpts

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Flow	SAMPLE MEASUREMENT		****		****	****	****					
	PERMIT REQUIREMENT	Report Avg Mo	****	MGD	****	****	****	****		Continuous	Measured	
pH	SAMPLE MEASUREMENT	****	****			****						
	PERMIT REQUIREMENT	****	****	****	8.0 Min	****	9.0 IMAX	S.U.		1/day	Grab	
Total Residual Chlorine	SAMPLE MEASUREMENT	****	****									
	PERMIT REQUIREMENT	****	****	****		1.0 Avg Mo	3.3 IMAX	mg/L		1/day	Grab	
CBOD5	SAMPLE MEASUREMENT				****							
	PERMIT REQUIREMENT	42 Avg Mo	67 Wkly Avg	lbs/day	****	25 Avg Mo	40 Wkly Avg	mg/L		1/week	8-Hr Composite	
Total Suspended Solids	SAMPLE MEASUREMENT				****							
	PERMIT REQUIREMENT	50 Avg Mo	75 Wkly Avg	lbs/day	****	30 Avg Mo	45 Wkly Avg	mg/L		1/week	8-Hr Composite	
Fecal Coliform May 1 - Sep 30	SAMPLE MEASUREMENT	****	****		****							
	PERMIT REQUIREMENT	****	****	****	****	200 Geo Mean	1,000 IMAX	CFU/100 ml		1/week	Grab	
Fecal Coliform Oct 1 - Apr 30	SAMPLE MEASUREMENT	****	****		****							
	PERMIT REQUIREMENT	****	****	****	****	2,000 Geo Mean	10,000 IMAX	CFU/100 ml		1/week	Grab	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that the information reported under my direction or supervision in accordance with a system designed to assure that certified personnel properly train and supervise 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 knowing violations. (See 18 Pa. C.S. § 4904 relating to perjury.)							TELEPHONE		DATE		
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR

COMMENTS (Report all violations on the "Non-Compliance Reporting Form")



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER STANDARDS AND FACILITY REGULATION

**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
DISCHARGE REQUIREMENTS FOR PUBLICLY OWNED  
TREATMENT WORKS (POTWs)**

**NPDES PERMIT NO: PA0101807**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*,

**Emlenton Borough Area Municipal Authority  
PO Box 448  
Emlenton, PA 16373-0448**

is authorized to discharge from a facility known as Emlenton Area Municipal Authority Marlacville STP, located in Salem Township, Clarion County, to Richey Run in Watershed 16-G in accordance with effluent limitations, monitoring requirements and other conditions set forth in Parts A, B and C hereof.

**THIS PERMIT SHALL BECOME EFFECTIVE ON April 1, 2011**

**THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON March 31, 2016**

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. 40 CFR 122.41(a)
3. A complete application for renewal of this permit, or notice of intent to cease discharging by the expiration date, must be submitted to DEP at least 180 days prior to the above expiration date (unless permission has been granted by DEP for submission at a later date), using the appropriate NPDES permit application form. 40 CFR 122.41(b), 122.21(d)

In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports (DMRs), will be automatically continued and will remain fully effective and enforceable against the discharger until DEP takes final action on the pending permit application. 25 Pa. Code 92a.7(b), (c)

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED March 9, 2011

ISSUED BY raj

**John A. Holden, P.E.  
Water Management Program Manager  
Northwest Regional Office**

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORD KEEPING AND REPORTING REQUIREMENTS**

I. A. For Outfall 001, Latitude 41° 12' 12.97", Longitude 78° 39' 45.01", River Mile Index 4.4, Stream Code 51144

Discharging to Richey Run

which receives wastewater from municipal sanitary sewers

1. The permittee is authorized to discharge during the period from Permit Effective Date through Permit Expiration Date.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average Report Daily Max	Minimum	Average Monthly	Weekly Average	Instant Maximum		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	1/week	Measured
pH (S.U.)	XXX	XXX	8.0	XXX	XXX	9.0	1/week	Grab
Total Residual Chlorine	XXX	XXX	XXX	0.5	XXX	1.5	1/week	Grab
CBOD5	1.7	2.7	XXX	25	40	50	2/month	Grab
Total Suspended Solids	2	3	XXX	30	45	60	2/month	Grab
Fecal Coliform (CFU/100 ml) May 1 - Sep 30	XXX	XXX	XXX	200 Geo Mean	XXX	XXX	2/month	Grab
Fecal Coliform (CFU/100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	2000 Geo Mean	XXX	XXX	2/month	Grab
Ammonia-Nitrogen	1.3	XXX	XXX	19.5	XXX	39	2/month	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

at Outfall 001 after disinfection.

**NPDES PUBLIC NOTICE**

Application for National Pollutant Discharge Elimination  
System (NPDES) Permit to Discharge to State Waters

Northwest Regional Office: Regional Water Management Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481, Telephone: 814.332.8942.

PA0101907, Sewage, SIC Code 4952, Emlenton Borough Area Municipal Authority, PO Box 448, Emlenton, PA 16373-0448.  
Facility Name: Emlenton Area Municipal Authority Mariasville STP. This facility is located in Salem Township, Clarion County.

Description of Activity: The application is to renew a NPDES permit for the discharge of treated sewage.

The receiving stream, Richey Run, is located in State Water Plan watershed 16-G and is classified for cold water fish, aquatic life, water supply and recreation. The discharge is not expected to affect public water supplies.

The proposed effluent limits for Outfall 001 are based on a design flow of 0.008 MGD.

Parameters	Mass (lb/day)		Concentration (mg/l)			
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0
Total Residual Chlorine	XXX	XXX	XXX	0.5	XXX	1.5
CBOD5	1.7	2.7	XXX	25	40	50
Total Suspended Solids	2	3	XXX	30	45	60
Fecal Coliform (CFU/100 ml)				200		
May 1 - Sep 30	XXX	XXX	XXX	Geo Mean	XXX	XXX
Fecal Coliform (CFU/100 ml)				2000		
Oct 1 - Apr 30	XXX	XXX	XXX	Geo Mean	XXX	XXX
Ammonia-Nitrogen	1.3	XXX	XXX	19.5	XXX	39

You may make an appointment to review the DEP files on this case by calling the File Review Coordinator at 814-332-6340.

The EPA Waiver is in effect.

APPLICATION - NPDES RENEWAL

Northwest Regional Office: Water Management Program Manager, 230 Chestnut Street, Meadville, PA 16335-3481

NPDES No. (Type)	Facility Name & Address	County & Municipality	Stream Name (Watershed No.)	EPA Waived Y/N?
PA0101807 (Sewage)	Eminton Area Municipal Authority Mariasville STP Sr 38 & 208 Eminton, PA 16373	Clarion County Salem Township	Richey Run (16-G)	Y

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDS KEEPING AND REPORTING REQUIREMENTS**  
**(Continued)**

Additional Requirements

1. The discharger may not discharge floating materials, scum, sheen, or substances that result in deposits in the receiving water. Except as provided for in the permit, the discharger may not discharge foam, oil, grease, or substances that produce an observable change in the color, taste, odor, or turbidity of the receiving water. 25 Pa. Code 92a.41(c)
2. Except as otherwise specified in this permit, on a concentration basis, the monthly average percent removal of BOD<sub>5</sub> or CBOD<sub>5</sub>, and TSS, must be at least 85% for POTW facilities. 25 Pa. Code 92a.47(a)(3)

Footnotes

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured and recorded.
- (2) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.

Supplemental Information

If the permit requires reporting of average weekly limitations use the following guideline. If the "maximum average concentration" and the "maximum average mass loading" does not occur within the same week, both the highest weekly average concentration and the highest weekly average mass load should be reported, regardless of whether they both occur during the same calendar week.

## II. DEFINITIONS

**At Outfall (XXX)** means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line (XXX), or where otherwise specified.

**Average** refers to the use of an arithmetic mean, unless otherwise specified in this permit. 40 CFR 122.41(l)(4)(III)

**Best Management Practices (BMPs)** means schedules of activities, prohibitions of practices, maintenance procedures and other management practices to prevent or reduce the pollution to surface waters of the Commonwealth. BMPs also include treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. 25 Pa. Code 92a.2

**Bypass** means the intentional diversion of waste streams from any portion of a treatment facility. 40 CFR 122.41(m)(1)(i)

**Calendar Week** is defined as the seven consecutive days from Sunday through Saturday, unless the permittee has been given permission by DEP to provide weekly data as Monday through Friday based on showing excellent performance of the facility and a history of compliance. In cases when the week falls in two separate months, the month with the most days in that week shall be the month for reporting.

**Clean Water Act** means the Federal Water Pollution Control Act, as amended (33 U.S.C.A. §§1251 to 1387).

**Composite Sample** (for all except GC/MS volatile organic analysis) means a combination of individual samples (at least eight for a 24-hour period or four for an 8-hour period) of at least 100 milliliters (mL) each obtained at spaced time intervals during the compositing period. The composite must be flow-proportional; either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval is proportional to the flow rates over the time period used to produce the composite. EPA Form 2C

**Composite Sample** (for GC/MS volatile organic analysis) consists of at least four aliquots or grab samples collected during the sampling event (not necessarily flow proportioned). The samples must be combined in the laboratory immediately before analysis and then one analysis is performed. EPA Form 2C

**Daily Average Temperature** means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.

**Daily Discharge** means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day. 25 Pa. Code 92a.2 and 40 CFR 122.2

**Daily Maximum Discharge Limitation** means the highest allowable "daily discharge."

**Discharge Monitoring Report (DMR)** means the DEP or EPA supplied form(s) for the reporting of self-monitoring results by the permittee. 40 CFR 122.2

**Estimated Flow** means any method of liquid volume measurement based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.

**Geometric Mean** means the average of a set of n sample results given by the nth root of their product.

**Grab Sample** means an individual sample of at least 100 mL collected at a randomly selected time over a period not to exceed 15 minutes. EPA Form 2C

**Hazardous Substance** means any substance designated under 40 CFR Part 118 pursuant to Section 311 of the Clean Water Act. 40 CFR 122.2

**Immersion Stabilization (I-s)** means a calibrated device is immersed in the wastewater until the reading is stabilized.

**Indirect Discharger** means a non-domestic discharger introducing pollutants to a Publicly Owned Treatment Works (POTW) or other treatment works. 25 Pa. Code 92a.2 and 40 CFR 122.2

**Industrial User** means a non-domestic discharger introducing pollutants to a Publicly Owned Treatment Works (POTW). 25 Pa. Code 92.1

**Instantaneous Maximum Effluent Limitation** means the highest allowable discharge of a concentration or mass of a substance at any one time as measured by a grab sample. 25 Pa. Code 92a.2

**Measured Flow** means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a relationship to absolute volume has been obtained.

**Monthly Average Discharge Limitation** means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month.

**Municipality** means a city, town, borough, county, township, school district, institution, authority or other public body created by or pursuant to State law and having jurisdiction over disposal of sewage, industrial wastes, or other wastes. 25 Pa. Code 92a.2

**Publicly Owned Treatment Works (POTW)** means a treatment works as defined by §212 of the Clean Water Act, owned by a state or municipality. The term includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. The term also includes sewers, pipes or other conveyances if they convey wastewater to a POTW providing treatment. The term also means the municipality as defined in section 502(4) of the Clean Water Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works. 25 Pa. Code 92a.2 and 40 CFR 122.2

**Severe Property Damage** means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production. 40 CFR 122.41(m)(1)(ii)

**Stormwater** means the runoff from precipitation, snow melt runoff, and surface runoff and drainage. 25 Pa. Code 92a.2

**Stormwater Associated With Industrial Activity** means the discharge from any conveyance that is used for collecting and conveying stormwater and that is directly related to manufacturing, processing or raw materials storage areas at an industrial plant, and as defined at 40 CFR §122.26(b)(14) (i) - (ix) and (xi) and 25 Pa. Code 92a.2.

**Toxic Pollutant** means those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains may, on the basis of information available to DEP cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in these organisms or their offspring. 25 Pa. Code 92a.2

**Weekly Average Discharge Limitation** means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week.

2. Unless instructed otherwise in Part C of this permit, properly completed DMR(s) must be received by the agency(ies) below within 28 days after the end of each reporting period. The permittee shall complete all Supplemental Reporting forms (Supplemental DMRs) provided by DEP in this permit (or an approved equivalent), and submit the signed, completed forms as an attachment to the DMR(s). If the permittee elects to use DEP's electronic DMR (eDMR) system, one electronic submission may be made for DMRs and Supplemental DMRs. If paper forms are used, the completed forms shall be mailed to:

Department of Environmental Protection  
Water Management Program  
230 Chestnut Street  
Meadville, PA 16335-3481

3. If the permittee elects to begin using DEP's eDMR system to submit DMRs required by the permit, the permittee shall, to assure continuity of business operations, continue using the eDMR system to submit all DMRs and Supplemental Reports required by the permit, unless the following steps are completed to discontinue use of eDMR:
  - a. The permittee shall submit written notification to the regional office that issued the permit that it intends to discontinue use of eDMR. The notification shall be signed by a principal executive officer or authorized agent of the permittee.
  - b. The permittee shall continue using eDMR until the permittee receives written notification from DEP's Central Office that the facility has been removed from the eDMR system, and electronic report submissions are no longer expected.
4. The completed DMR Form shall be signed and certified by either of the following applicable persons, as defined in 25 Pa. Code 82a.22:
  - For a corporation - by a principal executive officer of at least the level of vice president, or an authorized representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the NPDES form originates.
  - For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
  - For a municipality, state, federal or other public agency - by a principal executive officer or ranking elected official.

If signed by a person other than the above, written notification of delegation of DMR signatory authority must be submitted to DEP in advance of or along with the relevant DMR form. 40 CFR 122.22(b)

5. If the permittee monitors any pollutant at monitoring points as designated by this permit, using analytical methods described in Part A III.A.4. herein, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR. 40 CFR 122.41(i)(4)(ii)

#### C. Reporting Requirements

1. Planned Changes 40 CFR 122.41(i)(1) - The permittee shall give notice to DEP as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required when:
  - a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR §122.29(b).
  - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in this permit.
  - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions

that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

2. Anticipated Noncompliance

The permittee shall give advance notice to DEP of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements. 40 CFR 122.41(l)(2)

3. Unanticipated Noncompliance or Potential Pollution Reporting

a. Immediate Reporting - The permittee shall immediately report any incident causing or threatening pollution in accordance with the requirements of 25 Pa. Code Sections 91.33 and 92a.41(b).

(i) If, because of an accident, other activity or incident a toxic substance or another substance which would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property, the permittee shall immediately notify DEP by telephone of the location and nature of the danger. Oral notification to the Department is required as soon as possible, but no later than 4 hours after the permittee becomes aware of the incident causing or threatening pollution.

(ii) If reasonably possible to do so, the permittee shall immediately notify downstream users of the waters of the Commonwealth to which the substance was discharged. Such notice shall include the location and nature of the danger.

(iii) The permittee shall immediately take or cause to be taken steps necessary to prevent injury to property and downstream users of the waters from pollution or a danger of pollution and, in addition, within 15 days from the incident, shall remove the residual substances contained thereon or therein from the ground and from the affected waters of this Commonwealth to the extent required by applicable law.

b. The permittee shall report any noncompliance which may endanger health or the environment in accordance with the requirements of 40 CFR 122.41(l)(6). These requirements include the following obligations:

(i) 24 Hour Reporting - The permittee shall orally report any noncompliance with this permit which may endanger health or the environment within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported within 24 hours under this paragraph:

(1) Any unanticipated bypass which exceeds any effluent limitation in the permit;

(2) Any upset which exceeds any effluent limitation in the permit; and

(3) Violation of the maximum daily discharge limitation for any of the pollutants listed in the permit as being subject to the 24-hour reporting requirement. Note see 40 CFR 122.44(g)

(ii) Written Report - A written submission shall also be provided within 5 days of the time the permittee becomes aware of any noncompliance which may endanger health or the environment. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

(iii) Waiver of Written Report - DEP may waive the written report on a case-by-case basis if the associated oral report has been received within 24 hours from the time the permittee becomes aware of the circumstances which may endanger health or the environment. Unless such a

**PART B**

**I. MANAGEMENT REQUIREMENTS**

**A. Compliance Schedules 25 Pa. Code 92a.51 and 40 CFR 122.47(a)**

1. The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in this permit.
2. The permittee shall submit reports of compliance or noncompliance, or progress reports as applicable, for any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline. 40 CFR 122.47(a)(4)

**B. Permit Modification, Termination, or Revocation and Reissuance**

1. This permit may be modified, terminated, or revoked and reissued during its term in accordance with 25 Pa. Code 92a.72 and 40 CFR 122.41(f).
2. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition. 40 CFR 122.41(f)
3. In the absence of DEP action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions. 40 CFR 122.41(a)(1)

**C. Duty to Provide Information**

1. The permittee shall furnish to DEP, within a reasonable time, any information which DEP may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. 40 CFR 122.41(h)
2. The permittee shall furnish to DEP, upon request, copies of records required to be kept by this permit. 40 CFR 122.41(h)
3. Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to DEP, it shall promptly submit the correct and complete facts or information. 40 CFR 122.41(l)(8)
4. Facility expansions, production increases, process modifications, or any change of wastestream, that may result in an increase of pollutants that have the potential to exceed ELGs or violate effluent limitations specified in the permit, or that may result in a new discharge, or a discharge of new or increased pollutants for which no effluent limitation has been issued, must be approved in writing by the Department before the permittee may commence the new or increased discharge, or change of wastestream. The Department will determine if a permittee will be required to submit a new permit application and obtain a new or amended permit before commencing the new or increased discharge, or change of wastestream. 25 Pa. Code 92a.24(a)
5. The permittee shall provide the following information in the annual Municipal Wasteload Management Report, required under the provisions of Title 25 Pa. Code Chapter 94 unless a more stringent time period is required by law, regulation or permit condition in which case the more stringent time period will apply.
  - a. A new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were directly discharging pollutants. 40 CFR 122.42(b)(1)

- b. A substantial change in the volume or character of pollutants being introduced into the POTW by an indirect discharger introducing pollutants into the POTW at the time of issuance of this permit. 40 CFR 122.42(b)(2)
- c. Information on the quality and quantity of the effluent introduced into the POTW by an industrial user or an indirect discharger and the anticipated impact of the change in the quality and quantity of effluent to be discharged from the POTW. 40 CFR 122.42(b)(3)
- d. The identity of any indirect discharger served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimate concentration of each pollutant discharged into the POTW by the indirect discharger.
- e. The POTW shall require indirect dischargers to the treatment works subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act and regulations thereunder.

D. Proper Operation and Maintenance

1. The permittee shall employ operators certified in compliance with the Water and Wastewater Systems Operators Certification Act (63 P.S. §§1001-1015.1).
2. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems that are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit. 40 CFR 122.41(e)

E. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge, sludge use or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment. 40 CFR 122.41(d)

F. Bypassing

1. Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions in paragraphs two, three and four of this section. 40 CFR 122.41(m)(2)
2. Other Bypassing - In all other situations, bypassing is prohibited and DEP may take enforcement action against the permittee for bypass unless:
  - a. A bypass is unavoidable to prevent loss of life, personal injury or "severe property damage." 40 CFR 122.41(m)(4)(i)(A)
  - b. There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance. 40 CFR 122.41(m)(4)(i)(B)
  - c. The permittee submitted the necessary notice required in F.4.a. and b. below. 40 CFR 122.41(m)(4)(i)(C)

3. DEP may approve an anticipated bypass, after considering its adverse effects, if DEP determines that it will meet the conditions listed in F.2. above. 40 CFR 122.41(m)(4)(ii)

4. Notice

a. Anticipated Bypass – If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible, at least 10 days before the bypass. 40 CFR 122.41(m)(3)(f)

b. Unanticipated Bypass

(i) The permittee shall submit immediate notice of an unanticipated bypass causing or threatening pollution. The notice shall be in accordance with Part A III.C.3.a.

(ii) The permittee shall submit oral notice of any other unanticipated bypass within 24 hours, regardless of whether the bypass may endanger health or the environment or whether the bypass exceeds effluent limitations. The notice shall be in accordance with Part A III.C.3.b.

II. PENALTIES AND LIABILITY

A. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative and/or criminal penalties as set forth in 40 CFR §122.41(a)(2).

Any person or municipality, who violates any provision of this permit; any rule, regulation or order of DEP; or any condition or limitation of any permit issued pursuant to the Clean Streams Law, is subject to criminal and/or civil penalties as set forth in Sections 602, 603 and 605 of the Clean Streams Law.

B. Falsifying Information

Any person who does any of the following:

- Falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit, or
- Knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or noncompliance)

Shall, upon conviction, be punished by a fine and/or imprisonment as set forth in 18 Pa.C.S.A § 4904 and 40 CFR §122.41(j)(5) and (k)(2).

C. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of the Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject to under the Clean Water Act and the Clean Streams Law.

D. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. 40 CFR 122.41(c)

## II. OTHER RESPONSIBILITIES

### A. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law, and Title 25 Pa. Code Chapter 92a and 40 CFR §122.41(l), the permittee shall allow authorized representatives of DEP and EPA, upon the presentation of credentials and other documents as may be required by law:

1. To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit; 40 CFR 122.41(l)(1)
2. To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit; 40 CFR 122.41(i)(2)
3. To inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit; and 40 CFR 122.41(i)(3)
4. To sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or the Clean Streams Law, any substances or parameters at any location. 40 CFR 122.41(i)(4)

### B. Transfer of Permits

1. Transfers by modification. Except as provided in paragraph 2 of this section, a permit may be transferred by the permittee to a new owner or operator only if this permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act. 40 CFR 122.61(a)
2. Automatic transfers. As an alternative to transfers under paragraph 1 of this section, any NPDES permit may be automatically transferred to a new permittee if:
  - a. The current permittee notifies DEP at least 30 days in advance of the proposed transfer date in paragraph 2.b. of this section; 40 CFR 122.61(b)(1)
  - b. The notice includes the appropriate DEP transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them; and 40 CFR 122.61(b)(2)
  - c. DEP does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue this permit, the transfer is effective on the date specified in the agreement mentioned in paragraph 2.b. of this section. 40 CFR 122.61(b)(3)
  - d. The new permittee is in compliance with existing DEP issued permits, regulations, orders and schedules of compliance, or has demonstrated that any noncompliance with the existing permits has been resolved by an appropriate compliance action or by the terms and conditions of the permit (including compliance schedules set forth in the permit), consistent with 25 Pa. Code 92a.51 (relating to schedules of compliance) and other appropriate Department regulations. 25 Pa. Code 92a.71
3. In the event DEP does not approve transfer of this permit, the new owner or controller must submit a new permit application.

### C. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege. 40 CFR 122.41(g)

D. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit. 40 CFR 122.21(d)

E. Other Laws

The issuance of this permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of state or local law or regulations.

IV. ANNUAL FEE

Permittees shall pay an annual fee to the "Clean Water Fund". The annual fee must be for the amount indicated in the following schedule and is due on each anniversary of the effective date of the most recent new or reissued permit. All flows listed in this section are annual average design flows. 25 Pa. Code 92a.62

Small flow treatment facility	\$0
Minor facility < 50,000 GPD (Gallons per day)	\$250
Minor facility ≥ 50,000 GPD and < 1 MGD (Million gallons per day)	\$500
Minor facility with CSO (Combined Sewer Overflow)	\$750
Major facility ≥ 1 MGD and < 5 MGD	\$1,250
Major facility ≥ 5 MGD	\$2,500
Major facility with CSO	\$5,000

As of the effective date of this permit, the facility covered by the permit is classified in the following fee category: This is a minor facility operating at less than 50 000-GPD.

Payment shall be remitted to DEP by the anniversary date at the following address:

PA Department of Environmental Protection  
Bureau of Water Standards and Facility Regulation  
Re: Chapter 92a Annual Fee  
P.O. Box 8466  
Harrisburg, PA 17105-8466

**I. OTHER REQUIREMENTS**

- A. No storm water from pavements, area ways, roofs, foundation drains or other sources shall be admitted to the sanitary sewers associated with the herein approved discharge.
- B. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.
- C. If, in the opinion of the Department, these works are not so operated or if by reason of change in the character of wastes or increased load upon the works, or changed use or condition of the receiving body of water, or otherwise, the said effluent ceases to be satisfactory or the sewerage facilities shall have created public nuisance, then upon notice by the Department the right herein granted to discharge such effluent shall cease and become null and void unless within the time specified by the Department, the permittee shall adopt such remedial measures as will produce an effluent which, in the opinion of the Department, will be satisfactory for discharge into the said receiving body of water.
- D. Collected screenings, slurries, sludges, and other Solids shall be handled and disposed of in compliance with 25 Pa. Code, Chapter 75, and in a manner "equivalent" to the requirements indicated in Chapters 271, 273, 275, 283 and 285 (relating to permits and requirements for landfilling, land application, incineration, and storage of sewage sludge), Federal Regulation 40 CFR 257, Pennsylvania Clean Streams Law, Pennsylvania Solid Waste Management Act of 1980, and the Federal Clean Water Act and its amendments.

The permittee is responsible to obtain or assure that contracted agents have all necessary permits and approvals for the handling, storage, transport and disposal of solid waste materials generated as a result of wastewater treatment.

- E. The attention of permittee is directed to the fact that the effluent from the herein approved sewage treatment works is discharged to a dry stream normally without the benefit of dilution. If the effluent creates a health hazard or nuisance, the permittee shall upon notice from the Department of Environmental Protection, provide such additional treatment as may be required by the Department.
- F. Effluent Chlorine Optimization and Minimization

To reduce or eliminate the amount of chlorine discharged into water bodies, the permittee must: (1) implement source reduction activities, (2) improve operation/maintenance practices and, (3) improve/adjust process controls.

The permittee will ensure that applied chlorine dosages, used for disinfection or other purposes, are optimized to the degree necessary such that the total residual chlorine in the discharge does not cause an adverse stream impact. In doing so, the permittee shall consider relevant factors affecting chlorine dosage, such as wastewater characteristics, mixing and contact times, desired result of chlorination, and expected impact on the receiving water body.

If the Department determines or receives documented evidence levels of TRC in the permittee's effluent are causing adverse impacts in the receiving water, the permittee shall institute necessary additional steps to reduce or eliminate such impact.

1012 Water Street  
Harrisburg, Pennsylvania 16335  
Telephone: A. C. 814/724-8557  
March 21, 1984

Mr. Richard E. Graham, Chairman  
Emlenton Area Sewer Authority  
Emlenton, Pennsylvania 16973

Dear Mr. Graham:

Enclosed is the following document issued by the Department of Environmental Resources with respect to your plans to construct a pressure sewer collection system to serve a portion of the Village of Lamartine in Salem Township, Clarion County.

- a. Sewerage Permit Number 1684402 issued by the Bureau of Water Quality Management.

The above document is the only permit or plan approval which will be required by the Department for this project. Please study the permit carefully and direct any questions which you may have to Mr. William Zeli, Permits and Grants Section, Bureau of Water Quality Management, Telephone: A.C. 814/724-8550, whose office is located at the above address.

To become operative, this permit must be recorded in the Office of the Recorder of Deeds in the county in which the discharge is located. Enclosed is a certificate for this purpose and also a pre-addressed envelope in order that you may forward the certificate to the Bureau of Water Quality Management, Department of Environmental Resources, P. O. Box 2063, Harrisburg, Pennsylvania 17120. Please have the Recorder of Deeds accomplish the certificate and return it to the Bureau of Water Quality Management in Harrisburg within ten (10) days of receipt of this letter. Please note that you are not to return your permit to the Department.

If you have any questions or if we may be of further service, please do not hesitate to contact us.

Sincerely,

Richard W. Zinn  
Regional Environmental  
Protection Director

EWG/SAC/cms

Enclosures

cc: Mr. Emil P. Lerch, P.E.

bc: SWQM - Mdl. - Erb  
SWQM - Hrsbg. - Permits & Compliance  
BCEC - Senott

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL RESOURCES  
BUREAU OF WATER QUALITY MANAGEMENT

WATER QUALITY MANAGEMENT PERMIT

NO. 1684402

<p>A. PERMITTEE: (Name and Address)</p> <p><b>Emlenton Area Municipal Authority</b> Emlenton, Pennsylvania 16373</p>		<p>B. PROJECT LOCATION</p> <p>Municipality <u>Salem Township</u></p> <p>County <u>Clarion</u></p>	
<p>C. TYPE OF FACILITY (For industrial wastes; type of establishment)</p> <p><b>Pressure Sewers</b></p>		<p>D. NAME OF MINE, PLANT, AREA SERVED, OUTFALL NO., ETC.</p> <p><b>Village of Lamartine</b></p>	
<p>E THIS PERMIT APPROVES:</p>	<p>1. Plans For Construction Of:</p> <p>a. <input checked="" type="checkbox"/> Pump Stations: Sewers and Appurtenances    b. <input type="checkbox"/> Sewage Treatment Facilities    c. <input type="checkbox"/> Industrial Wastes Treatment Facilities</p> <p>d. <input type="checkbox"/> Mine Drainage Treatment Facilities    e. <input type="checkbox"/> Outfall &amp; Headwall    f. <input checked="" type="checkbox"/> Stream Crossing    g. <input type="checkbox"/> Impoundment</p>		
	<p>2. The Discharge Of:    a. <input type="checkbox"/> Treated    b. <input type="checkbox"/> Untreated    c. <input type="checkbox"/> Sewage    d. <input type="checkbox"/> Industrial Wastes</p> <p style="text-align: center;">N/A</p>		
	<p>3. Discharge To:    a. <input type="checkbox"/> Surface Water</p> <p style="text-align: center;">N/A</p> <p>b. <input type="checkbox"/> Ground Water</p> <p style="text-align: center;">Name of Stream to which discharged or drainage area in which groundwater discharge takes place or impoundment is located.</p>		
	<p>4. The Operation of a Mine <input type="checkbox"/></p> <p>Maximum Area to be Deep Mined _____ Acres</p>		<p>5. An Erosion and Sedimentation Control Plan <input checked="" type="checkbox"/></p> <p>Project Area is <u>5.6</u> Acres</p>
<p>F. THIS APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:</p> <p>1. ALL CONSTRUCTION, OPERATIONS, PROCEDURES AND DISCHARGE SHALL BE IN ACCORDANCE WITH APPLICATION NO. <u>1684402</u> DATED <u>November 1983</u> ITS SUPPORTING DOCUMENTATION, AND AMENDMENTS DATED _____ SUCH APPLICATION, ITS SUPPORTING DOCUMENTATION AND AMENDMENTS ARE HEREBY MADE A PART OF THIS PERMIT.</p> <p>2. CONDITIONS NUMBERED <u>1, 2, 3, 4, 5, 6, 7, 9, 13, 14, 16, 17, 19, 20, 21 &amp; 22</u> OF THE <u>Sewerage</u> STANDARD CONDITIONS DATED <u>1983</u> AND CONDITIONS NUMBERED <u>All</u> OF THE EROSION CONTROL STANDARD CONDITIONS DATED <u>1973</u> WHICH CONDITIONS ARE ATTACHED AND MADE PART OF THIS PERMIT.</p> <p>3. SPECIAL CONDITIONS DESIGNATED <u>Recording of Permit (See below)</u> WHICH ARE ATTACHED AND ARE MADE A PART OF THIS PERMIT.</p> <p style="padding-left: 40px;">It is required by law that this permit before being operative, shall be recorded in the Office of the Recorder of Deeds in which county the facility is to be located.</p>			
<p>G THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <p>1. IF THERE IS A CONFLICT BETWEEN THE APPLICATION OR ITS SUPPORTING DOCUMENTS AND AMENDMENTS AND THE STANDARD OR SPECIAL CONDITIONS, THE STANDARD OR SPECIAL CONDITIONS SHALL APPLY.</p> <p>2. FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF THE DEPARTMENT OR WITH THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.</p> <p>3. THIS PERMIT IS ISSUED PURSUANT TO THE CLEAN STREAMS LAW, ACT OF JUNE 22, 1937, P.L. 1987 AS AMENDED 36 P.S. §601.1 ET SEQ. AND/OR THE WATER OBSTRUCTION ACT, ACT OF JUNE 25, 1913, P.L. 556 AS AMENDED 32 P.S. §601 ET SEQ. ISSUANCE OF THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY RESPONSIBILITY UNDER ANY OTHER LAW</p>			
<p>PERMIT ISSUED</p> <p>DATE <u>MAR 21 1984</u></p>		<p>DEPARTMENT OF ENVIRONMENTAL RESOURCES</p> <p>BY <u>James E. Ed</u> James E. Ed, P.E. Regional Water Quality Manager</p> <p>TITLE _____</p>	

COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 BUREAU OF WATER QUALITY MANAGEMENT

For Department Use Only

INTERNAL REVIEW AND RECOMMENDATIONS

NAME OF APPLICANT Emlenton Area Municipal Authority PROJECT LOCATION Salem Township Clarion County APPLICATION NUMBER 1684402

BRIEF DESCRIPTION OF PROJECT AND DISCUSSION (Use Additional Sheets if Necessary)

The proposal is to construct, with the aid of a Federal grant, a sewerage system consisting of pressure sewers and a community elevated sand mound. The sand mound will be located southeast of the Village of Lamartine. A permit for the sand mound will be issued by Salem Township under provisions of the Pennsylvania Sewage Facilities Act. The permit associated with this internal review is for the pressure sewers only and will cover the system from all points of collection to the 10,000 gallon septic tank just before the elevated sand mound.

The proposed service area includes the Village of Lamartine in Salem Township, Clarion County. The total design average flow is 21,000 GPD, corresponding to an EDU equivalent of 74.

The pressure sewers will consist of 4,230 feet of 1.5 inch line, 1,140 feet of 2 inch line, 2,925 feet of 3 inch line, 58 simplex grinder pumps, 2 duplex grinder pumps, and associated appurtenances. A peaking factor of 4 has been used in sizing the line.

A stream crossing of the unnamed tributary of Turkey Run has been reviewed and approved by the Pennsylvania Fish Commission. The E & S Plan has been reviewed and approved by the Clarion County Conservation District.

With proper maintenance and operation, the proposed system will protect the public health. The name and address of the applicant is: Mr. Emil Long, Emlenton Area Municipal Authority, Emlenton, Pennsylvania 16373.

CURRENT ESTIMATE OF COMPLETION DATE OF PROJECT (Industrial Wastes Only)

RECOMMENDATION AND ACTION

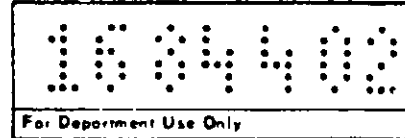
Approve -- Issue By Region	Approve -- Issue By Central Office	Refuse	Signature	Date
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	REVIEWING ENGINEER <i>J. J. Kama</i>	3-19-84
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	REGIONAL FACILITIES SECTION CHIEF <i>Frank E. Matthews</i>	3/19/84
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	REGIONAL ENGINEER/WATER QUALITY MANAGER <i>James J. ...</i>	3-19-84
	<input type="checkbox"/>	<input type="checkbox"/>	DIVISION FACILITIES ENGINEER	
	<input type="checkbox"/>	<input type="checkbox"/>	DIVISION CHIEF	

PERMIT CONDITIONS:  
 STANDARD

1, 2, 3, 4, 5, 6, 7, 9, 13, 14, 16, 17, 18, 20, 21 & 22  
 of the 1983 Sewerage Standard Conditions plus all Erosion  
 Control Standards dated 1973.

NOTICE (Use Additional Sheets if Necessary)

**Recording of Permit:** It is required by law that this permit before being operative, shall be recorded in the Office of the Recorder of Deeds in which county the facility is to be located.



DATE PREPARED 10/25/83
DATE REVISED

**WATER POLLUTION CONTROL  
MODULE 1 - GENERAL INFORMATION  
SEWERAGE**

For Department Use Only

APPLICANT Emlenton Area Municipal Authority

LOCATION OF PROJECT: MUNICIPALITY Salem Township COUNTY Clarion

DESIGN ENGINEER AND FIRM Emil E. Lerch, Jr., P.E. -- LAKE ENGINEERING  
212 Waterford Street

DESIGN ENGINEERS ADDRESS Edinboro, PA ZIP CODE 16412 TELEPHONE (814) 734-1414

DESCRIPTION OF PROJECT Construction of a pressure sewer collection system to serve a portion of the Village of Lamartine in Salem Township, Clarion County in accordance with the Emlenton Area Municipal Authority 201 Wastewater Facility Plan.

**A. DOCUMENTATION REQUIRED**

\$500.00

1. HAS A CHECK FOR \$500.00, PAYABLE TO THE PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES, BEEN INCLUDED? (NOT REQUIRED OF STATE OR FEDERAL AGENCIES)  Yes  No  N/A

2. HAVE 2 COPIES OF THE APPLICATION, FORM W710.046, BEEN SUBMITTED? (3 COPIES REQUIRED FOR PROJECTS IN ALLEGHENY COUNTY AND DELAWARE RIVER BASIN).  Yes  No

A. HAS THE AFFIDAVIT BEEN PROPERLY COMPLETED AND EXECUTED?  Yes  No

3. DOES THE APPLICATION INCLUDE THE FOLLOWING APPLICABLE MODULES:

MODULE NUMBER	TITLE	NUMBER OF PAGES	
1	GENERAL INFORMATION - SEWERAGE	8	<input checked="" type="checkbox"/> Yes
4	WASTE LOAD AND CHARACTERISTICS	3	<input type="checkbox"/> Yes
5	GEOLOGY AND GROUND WATER INFORMATION	2	<input type="checkbox"/> Yes
6	SEWERS AND APPURTENANCES	5	<input checked="" type="checkbox"/> Yes
7	SEWAGE PUMPING STATIONS	4	<input type="checkbox"/> Yes
8	PUMPING FACILITIES	1	<input type="checkbox"/> Yes
9	FLOW EQUALIZATION AND STORAGE BASINS	2	<input type="checkbox"/> Yes
10	GRIT CHAMBERS	1	<input type="checkbox"/> Yes
11	SCREENING AND COMMINUTING DEVICES	2	<input type="checkbox"/> Yes
12	SKIMOFF AND SEPTIC TANKS	2	<input type="checkbox"/> Yes
13	SETTLING TANKS	2	<input type="checkbox"/> Yes
14	EARTHEN SETTLING BASINS	2	<input type="checkbox"/> Yes

150440

POPULATION AND DESIGN FLOWS

Table 1 summarizes the existing and future hydraulic loadings used for design of the ESM system. The existing residential and commercial service area population equivalents and design hydraulic loadings are outlined in Table 2. Household size has been based on 3.5 persons/home and average wastewater flows are based on 75 gallons/capita/day in accordance with DER Chapter 73 Rules and Regulations.

TABLE 1  
HYDRAULIC LOADING SUMMARY  
(Design Conditions)

	# EDU	FLOW, GPD
Existing Residential	52	13,650
Existing Commercial	22	4,620
Future Residential	4	1,050
Future Commercial	6	1,575 (25% Inc.)
TOTALS	84	20,895

DATE PREPARED  
10/25/83  
DATE REVISED

**WATER POLLUTION CONTROL**  
**MODULE 1 - GENERAL INFORMATION**  
**SEWERAGE**

**For Department Use Only**

**CLASS OF CONSTRUCTION**  
(Check all applicable blocks)

NEW  
 REPLACEMENT OF EXISTING UNIT(S)

ADDITIONS AND/OR  
 MODIFICATIONS TO EXISTING UNIT(S)

TABLE I - DESIGN LOADING DATA		Existing Facilities Design	Present Operating Load	Proposed Total Facilities Design
1. EQUIVALENT POPULATION TO BE SERVED (NO. OF PERSONS - SUBMIT CALCULATIONS)				
A. DOMESTIC + Commercial (1)		NA	NA	294
B. INDUSTRIAL				NA
C. TOTAL				294
2. DESIGN YEAR OR PERIOD FOR OPERATING DATA				2005
3. RUNOFF PERIOD (HRS)				16
4. DOMESTIC WASTE FLOW DATA	A. PER CAPITA FLOW (GPCD)			75
	B. AVERAGE DAILY FLOW (MGD)			0.021
	C. INFILTRATION (MGD)			Included in (A)
	D. RUNOFF FLOW RATE (MGD)			0.031
	E. MAXIMUM FLOW RATE (2) (MGD)			0.088
5. INDUSTRIAL WASTE FLOW DATA	A. AVERAGE DAILY FLOW (MGD)			-
	B. MAXIMUM DAILY FLOW (MGD)			-
6. TOTAL DESIGN AVERAGE FLOW (MGD)				0.021

**TABLE II - FACILITIES DESIGN DATA (Specify number of units)** Central elevated sand mound to be covered under separate Act 537 permit

Units	Existing	To Be Abandoned	Total Proposed	Units	Existing	To Be Abandoned	Total Proposed
1. SCREENING DEVICES				13. CHLORINE CONTACT TANK(S)			
2. GRIT CHAMBER(S)				14. DISINFECTION FACILITIES			
3. COMMINUTOR(S)				15. SEPARATE SLUDGE DIGESTORS			
4. PRE-AERATION TANKS				16. SLUDGE DRYING BEDS			
5. PRIMARY SETTLING TANKS				17. MECHANICAL SLUDGE DEWATERING			
6. IMHOFF TANK(S)				18. SLUDGE ELUTRIATION TANKS			
7. TRICKLING FILTERS				19. SLUDGE STABILIZATION TANKS			
8. INTERMEDIATE SETTLING TANKS				20. INCINERATOR(S)			
9. AERATION TANKS				21. MIXING AND FLOCCULATION TANKS			
10. FINAL SETTLING TANKS				22. OTHER (Specify)			
11. INTERMITTENT SAND FILTERS				23. OTHER (Specify)			
12. WASTE STABILIZATION POND(S)				24. OTHER (Specify)			

NOTES: (1) Refer to pages 1-5A and 1-5B (2) Based on maximum number of grinder pumps expected to operate simultaneously



1012 Water Street  
Headville, PA 16933  
Network: 673-6980  
April 5, 1984

Lansartine Sewage System  
Sales Township, Clermont County

William J. Zell  
Sanitary Engineer  
Bureau of Water Quality Mgmt.

Robert R. Gleason  
Regional Hydrogeologist  
Bureau of Water Quality Mgmt.

Thru: Acting Chief  
Operations Section  
Bureau of Water Quality Mgmt.

A review of the hydrogeologic suitability of the site chosen for the Lansartine sewage system has been completed.

The concern during review of this site was the ability of an underlying shale layer to transmit fluids relative to the proposed sewage application rates. To ascertain the permeability of this shale layer, Moody & Associates were asked to perform falling head tests on three piezometers that were tested into the shale. The results provided from these tests indicated that there was sufficient permeability to transmit the volume of fluid necessary under the proposed application rates.

A review of the original hydrogeologic data compiled by Moody & Associates was conducted by Mr. Godfrey in the Division of Water Quality, Harrisburg. Mr. Godfrey expressed concern that low permeabilities in the aforementioned shale layer may cause mounding of the local groundwater and ultimately malfunctions in the sewage system. Mr. Godfrey also expressed concern over the rather lengthy period of time predicted for a 10 mg/l plume of nitrates to leave the site. During my telephone conversation with Mr. Godfrey on March 30, 1984 these matters were discussed.

Groundwater mounding would probably not be extensive enough to cause system malfunctions. Instead, it appears that an outbreak of effluent would occur along the hillside below the site. Hopefully, the permeabilities obtained from the falling head tests accurately assess the shale formation and no outbreak will occur.

Any nitrate plume in excess of 10 mg/l leaving the site area will be handled through an approved contingency plan developed by the municipality.

The proposed locations of the five monitoring wells are acceptable, however, Moody & Associates should supply details on their construction and proposed depths. These wells should be installed and thoroughly purged and sampled prior to operation of the facility. Thereafter, sampling of the wells should be conducted quarterly. A list of parameters to be sampled is included in the memo from the Division of Water Quality, Harrisburg.

RJG/asm

December 12, 1983

SUBJECT: Proposed ESM Design  
Village of Lamartine  
Clarion County

TO: Jon Lester

FROM: John McLaughlin

RECEIVED

DEC 15 1983

ENVIRONMENTAL RESOURCES  
Meadville Regional Office

I have completed my preliminary review of the proposed design for the elevated sand mound system for the Village of Lamartine. My comments are as follows:

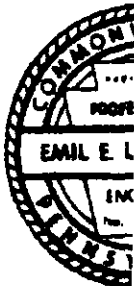
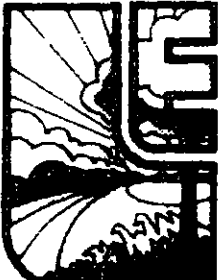

1. I question the validity of using an average of all the percolation tests to arrive at a single application rate for all three of the absorption areas. If the percolation tests are considered separately for each area, a substantial variation in perc rates becomes apparent. The western most bed has an average perc rate of 43 min/inch, while the eastern most bed has a rate of 13.6 min/inch. The eastern bed is overdesigned by at least 20%, while the other two beds are underdesigned by roughly the same amount. Any difference in application rates or absorption rates in excess of 10% could lead eventually to an overload of the system.
2. Although there is nothing in the Regulations or in the Technical Manual prohibiting such, I question the usefulness of running the manifold in the sand and then using two tees with reducers to provide connections to the laterals. If my calculations are correct, the use of this configuration of fittings alone creates a friction loss across the seepage bed in excess of 16%. This figure does not include losses incurred in the laterals or manifold. The Technical Manual states that friction losses from the fittings used to connect the manifold and the laterals should not be included in calculating the friction loss across the absorption area. I feel that this additional resistance could possibly cause the laterals in the upper portion of the beds to begin to discharge before the entire lateral network is filled. Therefore, I would recommend that the Engineer consider eliminating the additional fittings by placing the manifold in the gravel at the same elevation as the laterals. Also I would strongly recommend that the connection of the delivery line and the manifold be made in the center of the absorption area. This could cut the friction losses in the bed by 50% and might eliminate the need for using a 6 inch manifold.
3. Why is there a 4 inch delivery line and a 6 inch manifold?
4. Has provision been made for a quick disconnect on each delivery line inside the dosing tank?

I would suggest that either you and I or John Grandinetti and I meet with the person who has been working on this design to insure that the final design is as accurate as possible. Also I would need two additional copies of the design drawings before construction is initiated. One copy for me and one for the Enforcement Officer.

FACTORY SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES  
 EXISTING UTILITIES AND CHECKING FOR INTERFERENCE WITH THE LOCATION  
 BED SEWER LINES PRIOR TO BEGINNING WORK AT ANY LOCATION:

CENTRAL ELECTRIC COOPERATIVE, INC. 412/399-2931  
 BROOKVILLE TELEPHONE COMPANY 814/797-1216  
 COLUMBIA GAS COMPANY 412/867-2393

MAP PREPARED BY LOCKWOOD MAPPING INC. ROCHESTER, NEW YORK BY  
 METRIC METHOD FROM AERIAL PHOTOGRAPHS TAKEN 11-12-81.

EMLENTON AREA MUNICIPAL AUTHORITY LAMARTINE SERVICE AREA  <b>DRAWING INDEX AND VICINITY MAP</b>			DATE	REVISIONS	
			2/20/84	ADD NORTH ARROWS & GENERAL NOTES	
DATE 9/20/83	LOCATION SALEM TOWNSHIP	COUNTY & STATE CLARION, PA			
DESIGNED BY EE LERCH JR	DRAWN BY DR FRENCH	APPROVED BY EE LERCH JR			
			NOT TO SCALE 		
<b>LAKE ENGINEERING</b> CONSULTING ENGINEERS AND PLANNERS 210 WATERFORD STREET, EPHRATA, PA 17527					DRAWN BY: [ ] CHECKED BY: [ ] DATE: [ ]

# DRAWING INDEX

## CIVIL CONSTRUCTION PLANS

C-1	DRAWING INDEX AND VICINITY MAP
C-2	GENERAL SITE PLAN
C-3	DRAINAGE, GRADING AND EROSION CONTROL PLAN
C-4	PRESSURE SEWER PLAN AND PROFILE
C-5	PRESSURE SEWER PLAN AND PROFILE
C-6	PRESSURE SEWER PLAN AND PROFILE
C-7	PRESSURE SEWER PLAN AND PROFILE
C-8	PRESSURE SEWER PLAN AND PROFILE
C-9	PRESSURE SEWER PLAN AND PROFILE
C-10	PRESSURE SEWER PLAN AND PROFILE
C-11	STANDARD DETAILS PRESSURE SEWER SYSTEM
C-12	SEPTIC/DOSING TANK DETAILS
C-13	STANDARD DETAILS ELEVATED SAND MOUND
C-14	STANDARD DETAILS ELEVATED SAND MOUND
C-15	ROAD DETAILS AND EROSION PROTECTION DETAILS

## ELECTRICAL PLANS

E-1	ELECTRIC POWER AND CONTROL REQUIREMENTS
-----	---

DEPARTMENT OF HEALTH	
DIVISION OF SANITARY ENGINEERING	
APPLICATION NO.	REGION
602470-1	3/1/73
PLANS	
NO. OF PAGES	2
NO. OF SHEETS	

ISS  
MAR 1

THE WARN

12-31-73



Pennsylvania Department of Environmental Protection

230 Chestnut Street  
Meadville, PA 16335-3481

OCT 22 2008

Northwest Regional Office

814-332-6942  
Fax: 814-332-6121

Mr. Gary G. Fisher  
Chairman  
Emlenton Area Municipal Authority  
P.O. Box 448  
Emlenton, PA 16373

Re: WQM Minor Amendment  
Lamartine Sand Mounds  
WQM Permit No. 1600407-Amendment No. 1  
APS No. 336027  
Salem Township, Clarion County

Dear Mr. Fisher:

Your request for a permit amendment has been approved.

The proposed changes submitted to the Department by Carrie L. Murray, on behalf of Emlenton Area Municipal Authority, dated September 29, 2008, have been approved. These changes will be added to our files and be made part of the WQM Permit No. 1600407-Amendment No. 1. These changes become effective immediately.

No further actions need to be taken at this time. Submittal of the Post Certification Form is required upon completion of the project.

If you have any questions, please contact Adam J. Pesek at 814-332-6331.

Sincerely,

Ricardo F. Gilson  
Regional Manager  
Water Management

Enclosure

cc: Carrie L. Murray  
Water Management  
Clint Stonesifer  
Jerry Berg  
File

*Note: This was a  
minor amendment  
was added to the  
file*

Lamartine Sand Mounds  
WQM Permit No. 1600407-Amendment No. 1  
Salem Township, Clarion County

Adam Pesek  
10/15/08

### Minor Amendment Summary

A request was made for a minor amendment to the recently approved amended permit for the rehabilitation of the Lamartine Sand Mounds by Emlenton Area Municipal Authority. That amendment allowed for the replacement of the sand from two of the three surface sand mounds at the site, along with the addition of a 10,000 gallon tank to be connected in series with the existing 10,740 tank.

The additional 10,000 gallon tank was included to provide for additional storage for both emergency situations and to provide for additional operating flexibility in dosing the three sand mounds. The 10,470 gallon tank is more than enough to meet the Department's minimum design standards.

The request made for a minor amendment in the 9/29/08 letter to the Department requested the approval to place a 5,000 gallon tank in place of the 10,000 gallon tank approved in the recently approved permit amendment. The decreased dosing tank storage capacity will not create any problems to the existing system since it is just considered to be additional storage. Pump switch elevations were recalculated due to the decreased volume of storage. The calculations were submitted with the letter requesting a minor amendment.

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-16. Please identify any contributions-in-aid of construction for the wastewater assets within the applied for service territories.**

**Response: EAMA advises that there are no contributions-in-aid of constructions for the wastewater assets.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-17. Please explain the basis of the proposed purchase price for the EAMA's wastewater system assets.**

**Response: The purchase price is the result of arm's length negotiation between a willing seller, the Emlenton Area Municipal Authority, and a willing buyer, Aqua Pennsylvania Wastewater, Inc. Aqua Pennsylvania Wastewater and EAMA are not affiliated with each other. After closing, Aqua Pennsylvania Wastewater will perform an original cost study to determine the original cost and accumulated depreciation for EAMA plant-in-service.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-18. Please quantify and provide calculations for the estimated annual revenues and expenses associated with the customers in the requested territories.**

**Response: The estimated annual revenues and expenses are as follow:**

<b>Annual Revenue</b>	<b>\$334,580</b>
<b>Annual Expenses</b>	<b>\$281,799</b>

**Annual revenue is based on the EAMA existing rates. Annual Expenses were estimated based on due diligence.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-19. Section VI of the Application states that Aqua Pennsylvania Wastewater, Inc. (Aqua) will utilize the existing EAMA wastewater operator to continue to operate this standalone system. Please state if this operator will become an employee of Aqua.**

**Response: The operator will become an employee of Aqua Pennsylvania Wastewater, Inc.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-20. Section VII, Paragraph 16 of the Application generally notes additional capital improvements to be completed over the first five years of ownership. Please provide a detailed description for each item, an implementation schedule and an itemized breakdown of costs for each of the projected improvements.**

**Response: Aqua Pennsylvania Wastewater's projection of capital improvements for the EAMA system is included with the response to this data request.**

System Component	Description	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Year 9	Year 10	TOTAL	Comments
1	Embleton WWTP	Upgrades or replacements										\$ -	
2	Influent sewer and headworks											\$ -	PNTagmt
3	EQI tank and drains	Rework overflow weirs and drain	\$ 100,000									\$ 100,000	
	Buildings		\$ 10,000									\$ 10,000	
												\$ -	
	Mariaville WWTP	repair leaking dosing tank	\$ 40,000									\$ 40,000	Rehab sand system and repair tank
4	Lamarline WWTP	plant/rework feed piping		\$ 500,000								\$ 500,000	New aerobic treatment system and reconstruct sand mound disposal system
5												\$ -	
6	Pump Stations	Upgrades or replacements										\$ -	none
7	Collection system - Embleton	Clean and televise	\$ 34,000	\$ 34,000								\$ 68,000	17,000 feet per year (1-2) @ \$2 per foot
	Collection system - Embleton	Engineering	\$ 15,000	\$ 15,000								\$ 30,000	
	Collection system - Embleton	Groin and siltline		\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000					\$ 600,000	Collection system rehabilitation
	Collection system - Embleton	Home inspection program										\$ -	90 per year at \$250 per home
8	Collection system - Mariaville	Replace grinder pump	\$ 10,000	\$ 10,000	\$ 10,000							\$ 30,000	5 per year at \$2,000 each (installed)
8	Collection system - Lamarline	Replace grinder pump	\$ 10,000	\$ 10,000	\$ 10,000							\$ 30,000	5 per year at \$2,000 each (installed)
9												\$ -	
10	Safety Related Upgrades		\$ 45,000									\$ 45,000	
11	IT's Request	Hardware	\$ 2,500									\$ 2,500	
12	SCADA Upgrades			\$ 10,000								\$ 10,000	
13	Security											\$ -	
14	Miscellaneous		\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 300,000	Yrs 6-10 - Process Equipment Repairs, Includes general capital needs
15	Contingency 10%	10% of items above										\$ -	
	<b>TOTALS</b>		\$ 266,500	\$ 749,000	\$ 180,000	\$ 160,000	\$ 160,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 1,765,500	

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-21. Please state how the proposed \$1,700,000 in capital improvements will be financed.**

**Response: Aqua Pennsylvania Wastewater will use cash on hand or established lines of credit arrangements to finance the capital improvements.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-22. Please provide a draft tariff supplement for Aqua's Wastewater Tariff to include the additional territories requested as well as the rate information for each customer class.**

**Response: A draft tariff supplement is included with the response to this data request.**

AQUA PENNSYLVANIA WASTEWATER, INC.

RATES AND RULES

GOVERNING THE COLLECTION

OF

WASTE WATER

IN PORTIONS OF

ADAMS, BUCKS, CARBON, CHESTER, CLARION, CLEARFIELD, DELAWARE, LACKAWANNA, LUZERNE, MONROE,  
MONTGOMERY, PIKE, SCHUYLKILL, VENANGO AND WYOMING COUNTY

ISSUED: XX/XX/XXXX

EFFECTIVE: XX/XX/XXXX

by

NICHOLAS DeBENEDICTIS, Chairman  
762 Lancaster Avenue  
Bryn Mawr, Pennsylvania

**NOTICE**

**THIS TARIFF ESTABLISHES WASTEWATER RATES FOR CUSTOMERS OF  
EMLENTON BOROUGH AND A PORTION OF RICHLAND TOWNSHIP, VENANGO COUNTY AND  
PORTIONS OF RICHLAND AND SALEM TOWNSHIPS, CLARION COUNTY**

Aqua Pennsylvania Wastewater, Inc.

SUPPLEMENT NO. XXX  
to  
SEWER-PA. P.U.C. NO. 1  
XXXXX REVISED PAGE NO. 1A  
CANCELING XXXXX REVISED PAGE NO. 1A

---

LIST OF CHANGES MADE BY THIS TARIFF

Changes: This tariff makes changes to reflect the acquisition of the wastewater assets of Emlenton Area Municipal Authority, located in Emlenton Borough and a portion of Richland Township, Venango County, Pennsylvania and portions of Richland and Salem Townships, Clarion County, Pennsylvania. Closing on the acquisition took place on XX/XX/XXXX, with the effective date of ownership occurring at 12:01AM on XX/XX/XXXX.

This tariff is made pursuant to the Commission's Order adopted XX/XX/XXXX at Docket No. A-201X-XXXXXXXX, which authorizes the issuance of the Certificate of Public Convenience.

I N D E X

Page

Rates And Rules	1 Supplement No. XXX (C)
List Of Changes Made By This Tariff	1A XXXXX Revised (C)
Index	2 XXXXX Revised (C)
Description Of Territory Served	3 XXXXX Revised (C)
SCHEDULE OF RATES:	
Meter Service-Pinecrest Division	4 Seventh Revised
Meter Service-Willistown Woods Division	4A Seventh Revised
Meter Service-Links at Gettysburg Division	5 Tenth Revised
Meter Service-East Bradford Division	6 Ninth Revised
Meter Service-Twin Hills Division	7 Fourth Revised
Meter Service-Plumsock Division	8 Sixth Revised
Meter Service-Media Division	9 Fifth Revised
Unmetered Service-White Haven Division	10 Third Revised
Meter Service-Bridlewood Division	10A Sixth Revised
Unmetered Service – Eagle Rock Division	10B Third Revised
Unmetered Service – Thornhurst Division	10C Third Revised
Metered Service – Rivercrest	10D Third Revised
Metered Service – Little Washington Division	10E Ninth Revised
Unmetered Service – Laurel Lakes Division	10F Third Revised
Metered Service – Deerfield Knoll Division	10G Sixth Revised
Unmetered Service – C S Sewer Division	10H Third Revised
Metered Service – Peddlers View Division	10I Fifth Revised
Metered Service – The Green at Penn Oaks Division	10J Third Revised
Metered Service – Newlin Green Division	10K Third Revised
Unmetered Service – Woodloch Springs Division	10L Second Revised
Unmetered Service – Stony Creek Division	10M First Revised
Unmetered Service – New Daleville Division	10N Third Revised
Metered Service – Village at Valley Forge Division	10O First Revised
Unmetered Service – Beech Mountain Lakes Division	10P First Revised
Unmetered Service – Lake Harmony Division	10Q First Revised
Unmetered Service – Lake Harmony Division	10R First Revised
Metered, Unmetered and Availability Service – Treasure Lake Division	10S First Revised
Rules and Regulations – Treasure Lake Division	10T First Revised
Metered Service – Penn Township Division	10U Original
Unmetered Service – Bunker Hill Subdivision	10V Original
Metered Service – Emlenton Borough Division	10W Original (C)
Distribution System Improvement Charge (DSIC)	10DSIC Ninth Revised
Distribution System Improvement Charge (DSIC)	10DSIC1 First Revised
Distribution System Improvement Charge (DSIC)	10DSIC2 Second Revised
Distribution System Improvement Charge (DSIC)	10DSIC3 First Revised
Definitions	11 Third Revised
Contract for Service	12 Third Revised
Service Lines	12 Third Revised
Use of Service	13 Third Revised
Bills and Notices	13 Third Revised
Customer Deposits	14 Third Revised
Discontinuance of Service	15 Third Revised
Main Extensions	17 Third Revised

(C) Indicates Change

LITTLE WASHINGTON/WILLISTOWN WOODS DIVISION TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
E Brandywine (portion)	Chester
Willistown (portion)	Chester
Westtown (portion)	Chester

PEDDLERS VIEW DIVISION TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Solebury (portion)	Bucks

EAST BRADFORD DIVISION TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
East Bradford (portion)	Chester

TWIN HILLS DIVISION TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
West Pikeland (portion)	Chester

PLUMSOCK DIVISION TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Willistown (portion)	Chester

MEDIA DIVISION BOROUGHES

<u>BOROUGH</u>	<u>COUNTY</u>
Media	Delaware

WHITE HAVEN BOROUGHES

<u>BOROUGH</u>	<u>COUNTY</u>
White Haven	Luzerne

WHITE HAVEN TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Dennison (portion)	Luzerne Carbon
East Side (portion)	Carbon

BRIDLEWOOD TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Thornbury (portion)	Chester

PINECREST TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Tobyhanna (portion)	Monroe

EAGLE ROCK TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
East Union (portion)	Schuylkill
North Union (portion)	Schuylkill
Black Creek (portion)	Luzerne
Hazle (portion)	Luzerne

THORNHURST TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Lehigh	Lackawanna

RIVERCREST TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Tunkahannock	Wyoming
Washington	Wyoming

WILBAR DIVISION TOWNSHIPS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Rice	Luzerne

DEERFIELD KNOLL TOWNSHIP

<u>TOWNSHIP</u>	<u>COUNTY</u>
Willistown	Chester

LINKS AT GETTYSBURG TOWNSHIP

<u>TOWNSHIP</u>	<u>COUNTY</u>
Mount Joy	Adams
Cumberland	Adams

CS SEWER TOWNSHIP

<u>TOWNSHIP</u>	<u>COUNTY</u>
Lackawaxen	Pike

THE GREENS AT PENN OAKS

<u>TOWNSHIP</u>	<u>COUNTY</u>
Thornbury	Chester

NEWLIN GREEN TOWNSHIP

<u>TOWNSHIP</u>	<u>COUNTY</u>
Newlin	Chester

NEW DALEVILLE DIVISION

<u>TOWNSHIPS</u>	<u>COUNTY</u>
Londonderry	Chester

VILLAGE AT VALLEY FORGE

<u>TOWNSHIP</u>	<u>COUNTY</u>
Upper Merion	Montgomery

BEECH MOUNTAIN LAKES DIV. Kidder (Portion)

<u>TOWNSHIPS</u>	<u>COUNTY</u>
Butler	Luzerne
Dennison	Luzerne

LAKE HARMONY DIVISION

<u>TOWNSHIP</u>	<u>COUNTY</u>
Kidder	Carbon

TREASURE LAKE DIVISION

<u>TOWNSHIP</u>	<u>COUNTY</u>
Sandy	Clearfield

PENN TOWNSHIP

<u>TOWNSHIP</u>	<u>COUNTY</u>
Penn	Chester

BUNKER HILL SUBDIVISION

<u>TOWNSHIP</u>	<u>COUNTY</u>
Clinton	Wyoming

EMLENTON BOROUGH

<u>TOWNSHIP</u>	<u>COUNTY</u>
Emlenton	Venango
Richland (portion)	Venango
Richland (portion)	Clarion
Salem (portion)	Clarion

(C)

(C) Indicates Change

SCHEDULE OF RATES

1. Residential/Apartment User Class EDU Assignment

A basic monthly service charge of \$45.00 per EDU shall be imposed.

2. Commercial/Institutional/Industrial User Classes

A basic monthly charge (not including any surcharge) shall be imposed, in accordance with the following formula (water consumption refers to the average monthly water usage during the previous complete budget period of the Authority, as defined hereinbefore):

Water consumption (gal. per month) / 4,000 gal. per month x \$45.00

For large-volume Commercial/Institutional/Industrial users, the rate shall be calculated at the rate of \$45.00 per EDU for the first twenty EDU's, and a rate of ½ thereof (\$22.50) per EDU for EDU thereafter, to be reviewed annually. The Commercial/Institutional/Industrial class users must have suitable metering equipment which is approved by Aqua Pennsylvania and must be installed at the cost of the Commercial/Institutional/Industrial user.

A minimum of one (1) EDU shall be assigned to all commercial, institutional or industrial (normal domestic waste) users.

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-23. Please provide calculations comparing the current and future bills for a typical EAMA wastewater customer within each class.**

**Response: A typical EAMA wastewater customer would have the following average monthly bill within each class:**

**Residential = \$45.00/month @ 4,000 gallons  
Commercial = \$45.00/month @ 4,000 gallons**

**The Company does not have a near term future rate projection for EAMA wastewater customers. The Company's last base rate increase was effective on June 20, 2010.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-24. The Application's Assets Purchase Agreement notes a \$700,000 Farmer's National Bank mortgage. Please state the nature, terms and payment history for this mortgage.**

**Response: EAMA advises that the indebtedness to Farmer's National Bank has been paid in full and that the Bank will be recording a satisfaction piece.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-25. Please state whether EAMA has any Penn VEST loan obligations for its wastewater assets. If EAMA has Penn VEST loans, state the nature, terms and payment history for each.**

**Response: EAMA advises that it has no Penn VEST loan obligation related to its wastewater assets.**

**Respondent's Name: Thomas F. Rafferty  
Director, Corporate Development  
Aqua Pennsylvania, Inc.  
July 20, 2016**

**A-26. Please provide a copy of the proof of publication for the Application.**

**Response: A copy of the proof of publication as filed with the Public Utility Commission on April 21, 2016, is included with the response to this data request.**



THOMAS, NIESEN & THOMAS, LLC

*Attorneys and Counsellors at Law*

THOMAS T. NIESEN  
Direct Dial: 717.255.7641  
tniesen@tnlawfirm.com

April 21, 2016

*Via Electronic Filing*

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

In re: Docket No. A-2016-2537163  
Application of Aqua Pennsylvania Wastewater, Inc. – Emlenton Area Municipal Authority

Dear Secretary Chiavetta:

Enclosed for filing in the above matter are:

- (1) A certificate verifying service of the above referenced Application in accordance with your letter of March 30, 2016; and
- (2) The proof of publication in *The Derrick*.

Very truly yours,

THOMAS, NIESEN & THOMAS, LLC

By

Thomas T. Niesen

cc: Phillip C. Kirchner, Prosecutor (via email, w/encl.)  
Frances P. Orth, Esq. (via email, w/encl.)  
Thomas F. Rafferty (via email, w/encl.)

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**BEFORE THE  
PENNSYLVANIA PUBLIC UTILITY COMMISSION**

In re: Application of Aqua Pennsylvania Wastewater, :  
Inc. (hereinafter referred to as "Aqua" or "Applicant") :  
for approval of: :

(1) the acquisition by Aqua of the wastewater system : Application Docket  
assets of the Emlenton Area Municipal Authority : No. A-2016-2537163  
("EAMA") situated within Emlenton Borough and a :  
portion of Richland Township, Venango County, :  
Pennsylvania, and portions of Richland and Salem :  
Townships, Clarion County, Pennsylvania (collectively, :  
the "Service Area"); and :

(2) the right of Aqua to begin to offer, render, furnish :  
and supply wastewater service to the public in :  
Emlenton Borough and a portion of Richland :  
Township, Venango County, Pennsylvania, and portions :  
of Richland and Salem Townships, Clarion County, :  
Pennsylvania. ;

**CERTIFICATE OF SERVICE**

I hereby certify that a true copy of the above referenced Application of Aqua  
Pennsylvania Wastewater, Inc. was served upon the persons and in the manner listed below:

**First Class Mail, Postage Prepaid, on March 28, 2016**

Bureau of Technical Utility Services  
Pennsylvania Public Utility Commission  
Post Office Box 3265  
Harrisburg, PA 17105-3265

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

Office of Small Business Advocate  
Suite 202, Commerce Building  
300 North Second Street  
Harrisburg, PA 17101

Bureau of Investigation and Enforcement  
Pennsylvania Public Utility Commission  
Post Office Box 3265  
Harrisburg, PA 17105-3265

SECRETARY'S BUREAU  
PA PUC

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**Certified Mail, Return Receipt Requested on April 6, 2016**

Clarion County Commissioners  
Clarion County Courthouse  
421 Main Street  
Clarion, PA 16214

Clarion County Planning Commission  
Clarion County Administrative Building  
330 Main Street  
Clarion, PA 16214

Emlenton Planning Commission  
501 Main Street  
Emlenton, PA 16373

Emlenton Borough  
501 Main Street  
Emlenton, PA 16373

Richland Township Planning Commission  
c/o Clarion County Planning Commission  
Clarion County Administrative Building  
330 Main Street  
Clarion, PA 16214

Richland Township Supervisors  
511 Dittman Road  
Emlenton, PA 16373

Richland Township Board of Supervisors  
1740 Rockland Nickleville Road  
Emlenton, PA 16373

Richland Township Municipal Authority  
1740 Rockland Nickleville Road  
Emlenton, PA 16373

Richland Township Planning Commission  
1740 Rockland Nickleville Road  
Emlenton, PA 16373

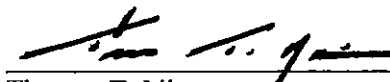
Salem Township Planning Commission  
c/o Clarion County Planning Commission  
Clarion County Administrative Building  
330 Main Street  
Clarion, PA 16214

Salem Township Supervisors  
Post Office Box 70  
Lamartine, PA 16375

Venango County Commissioners  
Courthouse Annex, 2<sup>nd</sup> Floor  
1174 Elk Street  
Post Office Box 831  
Franklin, PA 16323

Venango County Planning Commission  
Venango County Courthouse  
1168 Liberty Street  
Franklin, PA 16323

Kelly Burch, Regional Director  
Department of Environmental Protection  
Northwest Regional Office  
230 Chestnut Street  
Meadville, PA 16335

  
Thomas T. Niesen  
PA ID No. 31379

Dated this 21<sup>st</sup> day of April, 2016

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Proof of Publication In The Derrick  
UNDER ACT NO. 587, APPROVED MAY 16, 1929

STATE OF PENNSYLVANIA

ss:

COUNTY OF VENANGO

William R. Lutz, of Venango Newspapers, of the County and State aforesaid, being duly sworn, deposes and says that THE DERRICK, newspaper of general circulation published at Oil City, Pa., County and State aforesaid was established in 1871, since which time THE DERRICK has been regularly issued in said county, and that the printed notice or publication attached hereto is exactly the same as printed in the regular edition and issue of the said THE DERRICK on the following dates, viz:

6th and 13th of April, 2016

Affiant further deposes that she is authorized by VENANGO NEWSPAPERS, agent for said THE DERRICK to verify the foregoing statement under oath, and affiant is not interested in the subject matter of the aforesaid notice or advertisement, and that all allegations in the foregoing statements as to time, place and character of publication are true.

COPY OF NOTICE OF PUBLICATION

PENNSYLVANIA  
PUBLIC UTILITY  
COMMISSION  
NOTICE TO BE  
PUBLISHED

Application of Aqua Pennsylvania Wastewater Inc. (Aqua) for approval of (1) the acquisition by Aqua of the wastewater system assets of the Emlenton Area Municipal Authority (EAMA) situated within Emlenton Borough and a portion of Richland Township, Venango County, Pa. and portions of Richland and Salem Townships, Clarion County, Pa. and (2) the right of Aqua to begin to offer, render, furnish and supply wastewater service to the public in Emlenton Borough and a portion of Richland Township, Venango County, Pa. and portions of Richland and Salem Townships, Clarion County, Pa.  
Docket Number: A-2016-2537163.

Formal protests and petitions to intervene must be filed in accordance with Title 52 of the Pennsylvania Code on or before April 22, 2016. All filings must be made with the Secretary of the Pennsylvania Public Utility Commission, P. O. Box 3285, Harrisburg, PA 17105-3285, with a copy served on the Applicant. The documents filed in support of the Application are available for inspection and copying at the Office of the Secretary, between the hours of 8:00 a.m. and 4:30 p.m., Monday through Friday, on the Commission's website at [www.puc.pa.gov](http://www.puc.pa.gov) and at the Applicant's business address.

Applicant:  
Aqua Pennsylvania Wastewater, Inc.

Through and By Counsel:

Thomas T. Niesen,  
Esquire  
Thomas, Niesen & Thomas, LLC  
212 Locust Street,  
Suite 600  
Harrisburg, Pa 17101

BY THE COMMISSION  
Rosemary Chiavetta  
Secretary

*William R. Lutz*

Sworn to and subscribed before me this  
13<sup>th</sup> day of April, 2016

*M. Schwab*  
NOTARIAL SEAL  
MICHELLE M SCHWAB, NOTARY PUBLIC  
OIL CITY, VENANGO COUNTY  
MY COMMISSION EXPIRES DECEMBER 8, 2018

STATEMENT OF ADVERTISING COST

Thomas, Niesen & Thomas, LLC 212 Locust St. Ste 600 Harrisburg PA 17101	#4236510
The VENANGO NEWSPAPERS, Dr. Agent for The Derrick For publishing the notice or publication attached hereto on the above dates	981.44
Probating same	11.00
Total	992.44

Publisher's Receipt for Advertising Costs

VENANGO NEWSPAPERS, agent for THE DERRICK hereby acknowledges receipt of the aforesaid notice and publication costs, and certifies that the same have been duly paid.

By *William R. Lutz*



**PENNSYLVANIA**  
PUBLIC UTILITY COMMISSION

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Your filing has been electronically received. Upon review of the filing for conformance with the Commission's filing requirements, a notice will be issued acknowledging such compliance and assigning a Docket Number. The matter will receive the attention of the Commission and you will be advised if any further action is required on your part.

Print this page for your records. The date filed on will be the current day if the filing occurs on a business day before or at 4:30 PM Harrisburg, PA time. It will be the next business day if the filing occurs after 4:30 PM Harrisburg, PA time or on weekends or holidays.

*If your filing exceeds 250 pages, you are required to submit one paper copy of the filing within 3 business days of submitting the electronic filing. This paper copy can be mailed to: Secretary, Pennsylvania Public Utility Commission, Commonwealth Keystone Building, 400 North Street, 2nd Floor, Harrisburg, PA 17120. Please print a copy of this page and attach it to the paper copy of your filing as the first page.*

eFiling Confirmation	
Docket Number:	A-2016-2537163
Description:	Application of Aqua Pennsylvania Wastewater, Inc.
Transmission Date:	4/21/2016 3:43:04 PM
Filed On:	4/21/2016 3:43:04 PM
eFiling Confirmation Number:	1630316

**Uploaded File List**

File Name	Document Class	Document Type
Proof of Service and Publication - Aqua Pennsylvania Wastewater, Inc.pdf	Supporting Documentation	Proof of Publication

You can view a record of any previous eFiling, including the one you just made, by clicking the **My Filings** link in the left menu.

If a paper copy is required in accordance with the eFiling Regulations, please print this page and include it with your paper filing.

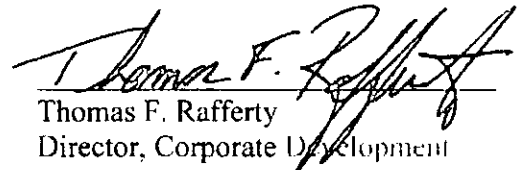
Customer Hotline 1-800-692-7380 | [PUC Webmaster](#)

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**VERIFICATION**

I, Thomas F. Rafferty, Director, Corporate Development, of Aqua Pennsylvania, Inc., hereby state that the facts set forth concerning Aqua Pennsylvania Wastewater, Inc., a subsidiary of Aqua Pennsylvania, Inc., in its Responses to the Bureau of Technical-Utility Services Data Request 1, Nos. A-1 through A-26 are true and correct to the best of my knowledge, information and belief. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. §4904 (relating to unsworn falsification to authorities).

  
Thomas F. Rafferty  
Director, Corporate Development

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