



August 8, 2022

***Via Electronic Filing***

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

In Re: Docket No. A-2022-3031502  
Application of Aqua Pennsylvania Wastewater, Inc. – Mount Joy Township

Dear Secretary Chiavetta:

I am Vice President and Senior Managing Counsel for Aqua Pennsylvania Wastewater, Inc., in the above matter and I am submitting, via electronic filing with this letter, the Company's responses to the Bureau of Technical Utility Services Data Request Set 1, Nos. A-1 through A-18. Please contact me with any questions.

Very truly yours,

A handwritten signature in black ink that reads "Frances P. Orth". The signature is written in a cursive style.

Frances P. Orth  
Vice-President and Sr. Managing Counsel  
Aqua Pennsylvania Wastewater, Inc.

cc: Clint McKinley, TUS (via email, w/encl.)  
David C. McIntyre (w/encl.)  
Richard Kanaskie Esq. (via email, w/encl.)  
Christine Maloni Hoover, Esq. (via email, w/encl.)  
Teresa Wagner (via email, w/encl.)

**Respondent's Name:**  
**David C. McIntyre**  
**Manager New Business and Contract Operations**  
**Aqua Pennsylvania Wastewater, Inc.**  
**August 3, 2022**

**BUREAU OF TECHNICAL UTILITY SERVICES**  
**WATER/WASTEWATER INDUSTRY GROUP**  
**Aqua Pennsylvania Wastewater, Inc.**  
**Docket No. A-2022-3031502**  
**Data Request A-1**

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**A-1 The Application at Page 2 indicated the Links of Gettysburg Land Company (Builder) will fund and install approximately 4,844 feet of SDR-26 plastic gravity main (Extension Project). Please identify the intended diameter of this material by length.**

**Response: The collection system will consist of 4,844 feet of 8-inch SDR-26 plastic gravity mains.**

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**Data Request A-2**

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**A-2 The Application at Page 2 also indicated that the preliminary estimated cost to install the Extension Project is \$1,007,000. Please provide a detailed breakdown of the estimate cost to install the Extension Project by major Plant category.**

**Response: The engineer's estimate of probable costs was broken down as follows:**

**Sewer Mains (gravity): \$560,000**

**Manholes: \$150,000**

**Sewer Laterals: \$297,000**

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**Data Request A-3**

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**A-3 The Application's Attachment D consisted of a copy of a letter from the Mount Joy Township Board of Supervisors (MJT Supervisors) dated February 18, 2022, that indicated a subdivision plan titled "The Links of Gettysburg Planned Golf Community-Preliminary Subdivision Plan for Wade Run Community" (Wade Run) is pending before the MJT Supervisors. Please provide an update on the subject plan's approval status along with a copy of any municipal approval letters evidencing the referenced subdivision plan received preliminary or final approval from MJT Supervisors.**

**Response: As of the date of this response, MJT's Zoning and Planning offices continue their review of the development and therefore this project has not been granted preliminary or final plan approval from MJT's Supervisors.**

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**Docket No. A-2022-3031502**  
**Data Request A-4**

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**A-4 Much of the text on the two plans depicting the preliminary subdivision and associated utilities in the Application's Attachment F is not legible. Please provide a legible copy of the two plans that are in vector graphics form.**

**Response: Larger, more legible, plans are attached as requested.**

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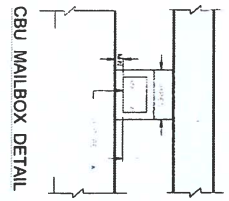


LEGEND



**PROPOSED LOT MAKEUP**

① 55' WIDE 375' DEEP	4 LOTS	148
② 45' WIDE 214' DEEP	8 LOTS	171
③ 45' WIDE 240' DEEP	24 LOTS	540
④ 50' WIDE 235' DEEP	40 LOTS	940
⑤ 40' CURTAIN		
<b>TOTAL</b>	<b>76 LOTS</b>	<b>1799</b>



Data Request A-4  
Enlarged Plans of proposed  
Development

<b>martin and martin incorporated</b> phone: (717) 264-6758 37 south main street • suite A chambersburg, pennsylvania . 17201	ADAMES COUNTY PLANNING PREPARED BY DATE	
	<b>OVERALL GRADING &amp; UTILITY PLAN</b> Preliminary Subdivision Plan for Wade Run Community <b>THE LINKS AT GETTYSBURG PLANNED GOLF COMMUNITY</b> PENNSYLVANIA	
PROJ. NO. 1430 DATE BY JM DWN. BY JM CHK. BY JM SCALE: 1" = 100' 1" = 100'	COUNTY JOB FORMSHIP	10





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**Data Request A-5**

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**A-5 The plan provided as Attachment F appears to depict wastewater mains and laterals located in the rear portions of the proposed properties, outside of any designated right-of-way. Please indicate:**

- a. If APW has approved the locations of the wastewater mains and laterals;**
- b. How the proposed location of these mains and laterals is compliant with section D.2 of APW's effective tariff which relies on the existence of a curb or curb line; and**
- c. If the location of the proposed laterals complies with the current definition of Company Service Lateral in APW's effective tariff or indicate if the current definition will need to be altered to accommodate the location of these proposed laterals.**

**Response:**

- a. APW has not formally approved the plans and therefore has not approved the proposed wastewater design. If grading within the development requires a section(s) of gravity sewer main to be installed within easements outside proposed cartways, Aqua will consider that route in its approval.**
- b. Section D – Construction and Maintenance of Facilities, under the Rules and Regulations of APW's current effective tariff does not specifically rely on the existence of a curb or curb line as inferred above at paragraph D.2. Paragraph D.2, titled "Customer Service Line" states that the "Customer Service line shall extend from the Property to the Curb Stop or cleanout or such point as designated by the Company."**
- c. Section D.1, title "Provision of Service" states that "the Company will install a Company Service Lateral from the main to the curb, or such point as determined by the Company...." While Company Service Laterals for this development will be installed by the Builder under the Builder's Wastewater Extension Agreement, the location of all laterals is subject to Aqua's review and approval. No change to APW's effective tariff is required to accommodate any service lateral in this development.**

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**Docket No. A-2022-3031502**  
**Data Request A-6**

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**A-6** The Application at Page 2 indicated flows from the requested territory will be conveyed via gravity to an existing eight-inch diameter SDR-35 gravity main stubbed out from the collection system servicing the “Garrison Falls” community, to an existing pump station sized to convey 120,000 gallons per day (GPD) and eventually to the Links Wastewater Treatment Plant (WWTP). Attachment C – Sewage Pump Stations, of APW’s 2020 Chapter 94 Report indicated flow from “Garrison Falls” community travels via gravity to the Links WWTP. Please provide the following information:

- a. Identify the referenced pump station;
- b. Clarify the proposed route and method of conveyance (i.e. gravity force main, etc.) for wastewater flow from the requested service territory to the Links WWTP;
- c. Provide evidence the pump station’s current capacity is adequate to handle additional flows to be generated from the requested territory; and
- d. Identify any upgrades required for the pump station to handle additional flows from the requested service territory.

**Response:**

- a. The pump station in question is the Lousy Run Pump Station, also referred to as Pump Station 1 (“PS No. 1”).
- b. Wastewater flows will be conveyed via 8-inch gravity mains through the Garrison Falls community to the Lousy Run Pump Station. The route is shown on the attached exhibit.
- c. Attached hereto is form 3620-PM-WQ0007, the Water Pollution and Control – Module 2 showing that the pump station was designed for a WWTP expansion to 0.120 MGD. PS No. 1 is sized for 250 GPM. The original WQM permit does not note a pumping capacity however we obtained the attached Module noting the peak instantaneous flow to the pump station would be 0.300 MGD (208 GPM) however the pump was sized for 250 GPM.
- d. There are no upgrades required for the pump station.

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
WATER MANAGEMENT PROGRAM

**WATER POLLUTION CONTROL  
MODULE 2**

FOR DEPARTMENT USE ONLY

**TABLE 1 -- SEWER SYSTEM**

Replacement of Ex. Septic System for Clubhouse

1. CLASS OF CONSTRUCTION  NEW SYSTEM  REPLACEMENT OF EXISTING SYSTEMS  SANITARY  COMBINED
2. INITIAL POPULATION 300 DESIGN YEAR POPULATION 860
3. DESIGN FLOW DATA
 

(a) Laterals and Submain Sewers	(GPCD)	<u>                    </u>
(b) Interceptors	(GPCD)	<u>                    </u>
(c) Average Daily Flow	(MGD)	<u>0.060</u>
(d) Infiltration/Inflow	(MGD)	<u>                    </u>
(e) Industrial Waste Flow	(MGD)	<u>                    </u>
(f) Total Average Design Flow	(MGD)	<u>0.060</u>
(g) Maximum Expected Flow Rate (Peak Instantaneous)	(MGD)	<u>0.120</u>

4. GENERAL INFORMATION:

- (a) Describe measures taken to reduce I/I in the system including leakage test and reference applicable portion of the specifications.  
 There will be ± 1400 feet of pressure line with the rest of the collection system 8" diameter PVC gravity pipe. All lines will be pressure tested.
- (b) Describe any overflows or bypasses within the system.  
 None
- (c) If applicable, describe capacity of receiving sewers and pumping station and submit two copies of the executed intermunicipal agreement.  
 N/A

**TABLE 2 -- PUMP STATION (Submit separate table for each pump station)**

1. PUMP STATION NAME: Pump Station #1
2. LOCATION (street name, etc.): Adjacent to Lousy Run between Greens 7 & 16
3. TYPE (e.g. Conventional, suction lift, ejector or submersible) Submersible
4. INITIAL POPULATION TO BE SERVED: 300 FUTURE POPULATION TO BE SERVED: 860  
 DESIGN YEAR 2002

DESIGN INFORMATION:	AVG (MGD)	MAX (Peak Instantaneous) (MGD)
(a) Domestic Flow Rate (based on Design population to be served)	<u>0.120</u>	<u>0.3</u>
(b) Industrial Flow Rate	<u>0</u>	<u>0</u>
(c) Infiltration/Inflow Rate	<u>0</u>	<u>0</u>
(d) Design Flow Rate	<u>0.120</u>	<u>0.3</u>
(e) Effective Wet Well capacity	(Gal) <u>                    </u>	
(f) Detention Time	(Min) <u>                    </u>	
(g) Design Average Velocity in Force Main	(Fps) <u>3.2</u>	
(h) Total Dynamic (Head Pump Station + Force Main)	Static Head <u>29.0</u> Ft.	
	Friction Loss <u>49.0</u> Ft.	
	TDH <u>78.0</u> Ft.	

Note: Pump Station is sized to handle WWTP expansion to .120 MGD.

**WATER POLLUTION CONTROL  
 MODULE 2**

FOR DEPARTMENT USE ONLY

6. GENERAL INFORMATION

(a) Describe the proposed project with respect to the 100 year flood elevation, ventilation, emergency power provision and alarm system.

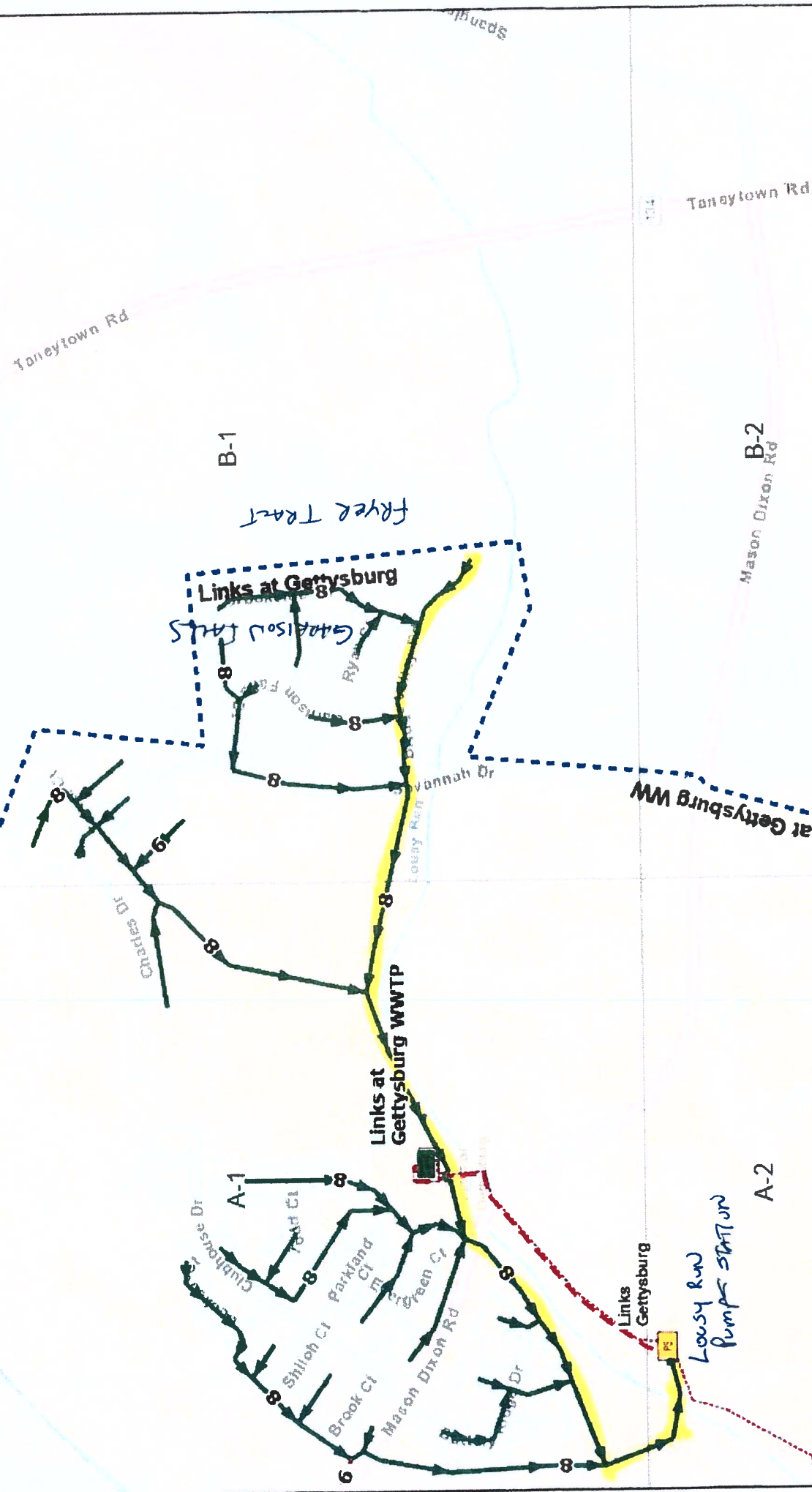
Location of Treatment Plant is outside the 100 - year Flood Plain as shown on the attached plans. Since the Community discharging to the treatment plant is serviced by a water system utilizing well pumps, if electrical power ceases flow to the treatment plant will also cease. In addition the collection system relies on a pump station to discharge flow to the plant. High water alarms will be present at the pump station facility and treatment plant.

**TABLE 3 -- PUMPING FACILITIES**

LIST ALL THE PUMPS IN THE ENTIRE TREATMENT FACILITY

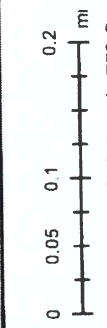
NUMBER OF INDIVIDUAL PUMPS	Describe Pump Use	Type of Pump	Check Columns That Apply To Each Pump							Pump Capacity		
			E X I S T I N G	P R O P O S E D	V A R I A B L E S P E E D	C O N S T A N T S P E E D	A U T O M A T I C C O N T R O L	M A N U A L C O N T R O L	P N E U M A T I C E J E C T O R	S T A N D B Y O P E R A T I O N	(GPM)	TDH (FT.)
2	Lift Wastewater to Treatment Plant	Hydromatic Model 4 QX Pump w/ 15hp motor		X		X	X				250	78
2	Flow Equalization	0.5 hp Goulds 3887 Submersible		X		X	X					

Data Request A-6  
 GIS plan showing gravity collection to  
 Lousy Run Pump Station



Esri, HERE, Garmin, GeoTechnologies, Inc., NGA, USGS

These maps should be used as a reference to the general location of water/waste water system information as interpreted from documents submitted to the Engineering department. Refer to specific engineering plans for more detailed information. Report corrections to AquaGIS mailbox



Printed: Jul 25, 2022

**Respondent's Name:**  
**David C. McIntyre**  
**Manager New Business and Contract Operations**  
**Aqua Pennsylvania Wastewater, Inc.**  
**August 3, 2022**

**BUREAU OF TECHNICAL UTILITY SERVICES**  
**WATER/WASTEWATER INDUSTRY GROUP**  
**Aqua Pennsylvania Wastewater, Inc.**  
**Docket No. A-2022-3031502**  
**Data Request A-7**

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**A-7 Adams County Parcel Identification Number 30G18-0010---000 appears to be included in the requested territory and appears to contain an existing structure. Please confirm the noted parcel is to be included in the requested territory and identify the intended future use. Additionally, identify if Aqua intends to or has received a request to provide water service to this property.**

**Response: The parcel in question is part of the Development as was intended to be included in the requested territory. This parcel, known as the Farmstead Lot, is the area where the proposed commercial building (i.e. hotel / event center) is shown on the plan provided in the Application at Attachment F and therefore was part of the overall request for wastewater service by the Builder.**

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**August 3, 2022**

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**Aqua Pennsylvania Wastewater, Inc.**  
**Docket No. A-2022-3031502**  
**Data Request A-8**

**A-8 The Application at pages 3-4 indicated The Links at Gettysburg development (The Links) will include a total of 467 existing and planned connections to be incrementally constructed between 2021 and 2025. The Application's Attachment H identified 457 total lots and APW's 2020 Chapter 94 Municipal Wasteload Management Report (Chapter 94 Report) filed with the Department of Environmental Protection, provided as the Application's Attachment K identified 504 connections at full buildout in that same period. Please clarify the total number of lots to be included in the Links and the total number of connections anticipated to be connected to the wastewater treatment plant serving the Links, by connections per year, for the years 2021 through 2025, and revise the Applications Exhibit H if necessary.**

**Response: Attachment H, which identified 457 total lots, is the most accurate estimate of buildout for The Links at Gettysburg Development as it is proposed now. The discrepancy with the Attachment and Application narrative was a miscalculation of "lots" versus EDU's for the retreat condo building. There is only one lateral connection for this building of eleven condos (it was originally designed for twelve units but two of them were consolidated into one). The single-family home is actually the Builder's home and is built within the future Powder Creek development. This home would represent one of the future lots in the development and therefore the future connection count for Powder Creek was overstated by one. Chapter 94 reporting utilized EDU calculations and was based on the limited information known of the Development expansion plans in 2019 when this report was initially prepared. Attachment H has been amended to reflect delays in Wade Run land development approvals, completion of the WWTF expansion plans and submission of the WQM permit application for that project.**

**Links at Gettysburg Connection Schedule**

**Existing Areas**

Community / Facility

	Total Lots	# of EDUs	EDUs		2022	Estimated Construction Schedule			
			Connected end of 2021	Remaining EDUs		2023	2024	2025	2026
Courtyards / Battery Ridge, Lookout and Roundtop Garrison Falls	111	111	104	7	4	2	1	0	0
Retreat Condo Bldg	77	77	58	19	16	3	0	0	0
Retreat Villas	1	11	11	0	0	0	0	0	0
Cumberland Crossing	38	38	22	16	0	6	10	0	0
Clubhouse / Pool (prem 804448)	43	43	32	11	6	5	0	0	0
Clubhouse Restaurant	1	2	2	0	0	0	0	0	0
Sewer Treatment Bldg	1	3.5	3	0	0	0	0	0	0
Water Treatment Bldg	1	0	0	0	0	0	0	0	0
Community Pool Bldg	1	1	1	0	0	0	0	0	0
Single Family Home	1	1	1	0	0	0	0	0	0
<b>Subtotal</b>	<b>276</b>	<b>288.5</b>	<b>235</b>	<b>53</b>	<b>26</b>	<b>16</b>	<b>11</b>	<b>0</b>	<b>0</b>

**Avg Monthly Flow (gpd)**  
Actual Flow/EDU  
**Max 3-Month Avg (gpd)**

**33,200**  
**141**  
**47,600**

Future Community / Facility

**New Development Areas**

Wade Run	99	99	0	99	0	30	34	35	0
Calvary Chase	26	26	0	26	0	0	6	20	0
Powder Creek	53	53	0	54	0	13	20	20	0
Hotel / Conference	1	26	0	26	0	0	1	0	0
Future Golf Course Restroom	1	2	0	2	0	1	0	0	0
Maintenance Building	1	1	0	1	0	1	61	75	0
<b>Subtotal</b>	<b>181</b>	<b>207</b>	<b>0</b>	<b>208</b>	<b>0</b>	<b>45</b>	<b>72</b>	<b>75</b>	<b>0</b>
<b>Total Existing and Proposed</b>	<b>457</b>	<b>495.5</b>	<b>235</b>	<b>261</b>	<b>26</b>	<b>61</b>	<b>72</b>	<b>75</b>	<b>0</b>

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**Aqua Pennsylvania Wastewater, Inc.**  
**Docket No. A-2022-3031502**  
**Data Request A-9**

**A-9 Please provide a copy of APW's 2021 Chapter 94 Report filed with Department of Environmental Protection (DEP).**

**Response: The requested Chapter 94 Report is attached hereto.**

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**AQUA PENNSYLVANIA WASTEWATER, INC.**

**THE LINKS AT GETTYSBURG  
WASTEWATER TREATMENT PLANT**

**MUNICIPAL WASTELOAD  
MANAGEMENT REPORT**

**FOR OPERATING YEAR 2021**

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THIS REPORT IS PREPARED FOR COMPLIANCE WITH CHAPTER 94 OF TITLE 25  
RULES AND REGULATIONS OF THE PENNSYLVANIA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION.

**Prepared by:**



**Project No. 4121.113**

**Dated: June 13, 2022**

Entech Engineering, Inc.  
201 Penn Street | PO Box 32 | Reading, PA 19603-0032  
(p) 610.373.6667 (f) 610.373.7537

Data Request A-9  
2021 Chapter 94 Report

**AQUA PENNSYLVANIA WASTEWATER, INC.  
THE LINKS AT GETTYSBURG  
CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT  
FOR CALENDAR YEAR 2021  
TABLE OF CONTENTS**

<b>SECTION</b>	<b>DESCRIPTION</b>
1	Chapter 94 Municipal Wasteload Management Annual Report (PADEP Form 3800-FM-BPNPSM0507)
<b>ATTACHMENTS</b>	
A	PADEP Chapter 94 Spreadsheet & Graphs
B	Sewer Extensions
C	Sewer System Monitoring, Maintenance, and Repair
D	Sewage Pump Stations
E	Flow Meter Calibration Report

**SECTION 1**

**CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT  
ANNUAL REPORT  
(PADEP FORM 3800-FM-BPNPSM0507)**



## CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT

For Calendar Year: **2021**

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

### GENERAL INFORMATION

Permittee Name:	Aqua Pennsylvania Wastewater, Inc.	Permit No.:	PA0246484
Mailing Address:	762 W Lancaster Avenue	Effective Date:	March 1, 2020
City, State, Zip:	Bryn Mawr, PA 19010-3489	Expiration Date:	February 28, 2025
Contact Person:	Steve Draus, PE	Renewal Due Date:	September 1, 2024
Title:	Central Area Manager	Municipality:	Mount Joy Township and Cumberland Township
Phone:	570-648-5783	County:	Adams
Email:	sjdraus@aquaamerica.com	Consultant Name:	Entech Engineering, Inc.

### CHAPTER 94 REPORT COMPONENTS

1. Attach to this report a line graph depicting the monthly average flows (expressed in MGD) for each month for the past 5 years and projecting the flows for the next 5 years. The graph must also include a line depicting the hydraulic design capacity per the WQM permit. (25 Pa. Code § 94.12(a)(1))

**Check the appropriate boxes:**

- Line graph for flows attached (**Attachment A**)  
 DEP Chapter 94 Spreadsheet used (**Attachment A**)  
 Section 1 is not applicable (report is for a collection system).

2. Attach to this report a line graph depicting the monthly average organic loads (express as lbs BOD5/day) for each month for the past 5 years and projecting the organic loads for the next 5 years. The graph must also include a line depicting the organic design capacity of the treatment plant per the WQM permit. (25 Pa. Code § 94.12(a)(2))

**Check the appropriate boxes:**

- Line graph for organic loads attached (**Attachment A**)  
 DEP Chapter 94 Spreadsheet used (**Attachment A**)  
 Section 2 is not applicable (report is for a collection system).

3. If the DEP Chapter 94 Spreadsheet was not used to determine projections, discuss the basis for the hydraulic and organic projections. In all cases, include a description of the time needed to expand the plant to meet the load projections, if necessary, and data used to support the projections should be included in an appendix to this report. (25 Pa. Code § 94.12(a)(3))

**Refer to Attachment A.**

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

**Check the appropriate boxes:**

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

**Comments:**

**Refer to Attachment B.**

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

**Comments:**

**Refer to Attachment C.**

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

**Check the appropriate boxes:**

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

**Comments:**

**There are no specific areas of the sewer system where conveyance capacity is an issue.**

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

**Check the appropriate boxes:**

- The collection system does not contain pump stations
- The collection system does contain pump stations (Number – 2)
- Discussion of condition of each pump station attached (**Attachment D**)

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

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

**Check the appropriate boxes:**

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

**Comments:**

**The sewage system does not receive any industrial wastes.**

9. Existing or Projected Overload.

**Check the appropriate boxes:**

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

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

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

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

- Sewage Sludge Management Inventory attached (**Attachment** )

**Comments:**

**A Sewage Sludge Management Inventory is not required by the NPDES permit.**

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

- Annual CSO Report attached (**Attachment** )

**Comments:**

**The sewer system does not contain any combined sewers.**

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

- Flow calibration report attached (**Attachment E**)

### RESPONSIBLE OFFICIAL CERTIFICATION

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

**NA - report is for informational purposes only**

Name of Responsible Official

Signature

Telephone No.

Date

### PREPARER CERTIFICATION

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

**Marci Beggs**  
**Entech Engineering, Inc.**



Name of Preparer

Signature

**610-373-3345**

**06-13-2022**

Telephone No.

Date

## **ATTACHMENT A**

### **PADEP CHAPTER 94 SPREADSHEET & GRAPHS**

The PADEP Chapter 94 Spreadsheet (Spreadsheet) was used to determine hydraulic and organic load projections for the Links at Gettysburg (Links) wastewater treatment plant (WWTP), which is owned and operated by Aqua Pennsylvania Wastewater, Inc. (Aqua). The PADEP Spreadsheet is provided within this attachment. Also included in this attachment are graphs that illustrate 5-year measured and projected hydraulic and organic loads to the WWTP.

The Links WWTP is authorized to discharge treated effluent by PADEP via National Pollutant Discharge Elimination System (NPDES) permit no. PA0246484. The permit was most recently renewed on February 26, 2020, with an effective date of March 1, 2020, and an expiration date of February 28, 2025. An application for a minor NPDES permit amendment was submitted to PADEP on January 1, 2022, to correct an error related to the WWTP's permitted flow. An amended permit was issued on April 8, 2022.

The existing hydraulic design capacity of the Links WWTP is 0.06 million gallons per day (MGD), according to the Water Quality Management Permit No. 0102404. The existing organic design capacity is 125 lbs. BOD<sub>5</sub>/day (ppd). A value of 2.49 persons/EDU was used in the Spreadsheet, based on U.S. Census Bureau persons per household data for Adams County for 2016-2020 (U.S. Census Bureau, 2022).

Effluent flow is measured and recorded at the Links WWTP. Monthly average flows provided on the Spreadsheet for the past five years are also reported to PADEP via the monthly Discharge Monitoring Reports (DMRs). This data was downloaded from the electronic DMR (eDMR) database, available through the "Search eDMR Data" page on the PADEP website (DEP, 2022).

Per the National Pollutant Discharge Elimination System (NPDES) permit for the Links WWTP, influent Biological Oxygen Demand (BOD) sampling is not required. To estimate the monthly average BOD loads for 2017 through 2020, four (4) influent BOD samples were taken in December of 2020. The influent BOD load in pounds per day was then calculated for each of those 4 days. Two (2) of the BOD loads were excluded, because they were extremely low and deemed to be unrepresentative of the influent waste stream. The average BOD load from the remaining two (2) samples was 58 pounds per day. This load was used as the average monthly

organic load for 2017 through 2020, as shown on the Spreadsheet. The average monthly organic load for 2021 is based on three (3) influent BOD samples taken in January of 2022. The average annual flow for 2021 was used to calculate the pounds per day for each sample. The average of these three (3) samples is 53 pounds per day. This loading was used for the average monthly organic load for 2021, as shown on the Spreadsheet.

Equivalent Dwelling Unit (EDU) values, including existing EDUs from the past five years along with projected new EDUs for the next five years, are included on the Spreadsheet. Existing EDU counts for 2017, 2018, and 2019 are based on Aqua records. EDU counts for 2020 and 2021 were provided by the developer of the Links. The Links development is made up of several growing communities. Included in this attachment is a summary of the service connections within the development, provided by the Links developer. This includes a list of each existing or future community or miscellaneous connection, the total EDU count at full buildout, the number of EDUs currently connected, and the number of EDUs still remaining to be connected to the system. The summary also includes an estimated connection schedule for the next five years for the EDUs that are still remaining.

Projected hydraulic and organic loading to the WWTP for the next five years is also included on the Spreadsheet. Projected flows and BOD5 loads are calculated based on the projected new EDUs. The Links WWTP was originally designed and permitted with a future upgrade in mind that would increase the hydraulic capacity from 0.06 MGD to 0.115 MGD and the organic capacity from 125 pounds per day to 240 pounds per day. As shown on the PADEP Chapter 94 Spreadsheet, an expansion of the Links WWTP is anticipated in early 2024. The timing of this upgrade is based on the estimated connection schedule, included in Attachment B, that was provided by the developer of the Links. The developer of the Links communities is allowed to connect new EDUs to this sewer system at Aqua's discretion, as Aqua is the owner of the system. The developer will be required to upgrade the Links WWTP to serve the requested EDUs. An upgrade design and Water Quality Management (WQM) Part II permit application is currently being prepared for submission to PADEP. Construction of the upgrade will then commence once the loading to the WWTP reaches either 80% of the hydraulic capacity or 80% of the organic capacity. The upgraded WWTP is anticipated to go online by January of 2024.

Precipitation data is also provided on the Spreadsheet. Data for 2017 through 2020 was obtained from the National Oceanic and Atmospheric Administration (NOAA) National Centers for Environmental Information website (NOAA, 2022). The closest weather station to the Links

WWTP is the Abbottstown 2.4 N, PA US station (NOAA Station ID: GHCND:US1PAAD0002), which is approximately 18.1 miles northeast of the WWTP (Google, 2022). Precipitation data was recorded at the WWTP beginning in January of 2021.

Reporting Year:

Facility Name:

Permit No.:

Persons/EDU:

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

Existing Organic Design Capacity:   
 Upgrade Planned in Next 5 Years?   
 Future Organic Design Capacity:

**Monthly Average Flows for Past Five Years (MGD)**

Month	2017	2018	2019	2020	2021
January	0.0228	0.0233	0.0321	0.0301	0.026
February	0.0164	0.0327	0.0293	0.0228	0.0317
March	0.0211	0.0212	0.031	0.0248	0.029
April	0.0246	0.0267	0.0285	0.03	0.0268
May	0.0274	0.0311	0.0517	0.0296	0.0285
June	0.024	0.0311	0.0289	0.0263	0.0399
July	0.035	0.0449	0.0453	0.0288	0.0355
August	0.0286	0.034	0.0269	0.0403	0.0451
September	0.0218	0.0607	0.0217	0.0229	0.0621
October	0.0233	0.0231	0.0319	0.0273	0.0289
November	0.0214	0.041	0.0245	0.0272	0.0249
December	0.0158	0.0357	0.0299	0.0385	0.0199
Annual Avg	0.0235	0.0338	0.0318	0.0291	0.0332
Max 3-Mo Avg	0.0292	0.0465	0.042	0.0318	0.0476
Max : Avg Ratio	1.24	1.38	1.32	1.09	1.43
Existing EDUs	174.0	183.0	200.0	215.0	225.0
Flow/EDU (GPD)	135.1	184.7	159.0	135.3	147.6
Flow/Capita (GPD)	54.2	74.2	63.9	54.4	59.3
Exist. Overload?	NO	NO	NO	NO	NO

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

Month	2017	2018	2019	2020	2021
January	58	58	58	58	53
February	58	58	58	58	53
March	58	58	58	58	53
April	58	58	58	58	53
May	58	58	58	58	53
June	58	58	58	58	53
July	58	58	58	58	53
August	58	58	58	58	53
September	58	58	58	58	53
October	58	58	58	58	53
November	58	58	58	58	53
December	58	58	58	58	53
Annual Avg	58	58	58	58	53
Max Mo Avg	58	58	58	58	53
Max : Avg Ratio	1.00	1.00	1.00	1.00	1.00
Existing EDUs	174	183	200	215	225
Load/EDU	0.334	0.318	0.291	0.271	0.236
Load/Capita	0.134	0.128	0.117	0.109	0.095
Exist. Overload?	NO	NO	NO	NO	NO

Annual Avg  
 Max 3-Mo Avg  
 Max : Avg Ratio  
 Existing EDUs  
 Flow/EDU (GPD)  
 Flow/Capita (GPD)  
 Exist. Overload?

Annual Avg  
 Max Mo Avg  
 Max : Avg Ratio  
 Existing EDUs  
 Load/EDU  
 Load/Capita  
 Exist. Overload?

**Projected Flows for Next Five Years (MGD)**

	2022	2023	2024	2025	2026
New EDUs	63.0	37.0	74.0	67.0	0.0
New EDU Flow	0.0096	0.0056	0.0113	0.0102	0
Proj. Annual Avg	0.0399	0.0455	0.0568	0.067	0.067
Proj. Max 3-Mo Avg	0.0516	0.0588	0.0734	0.0866	0.0866
Proj. Overload?	NO	NO	NO	NO	NO

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

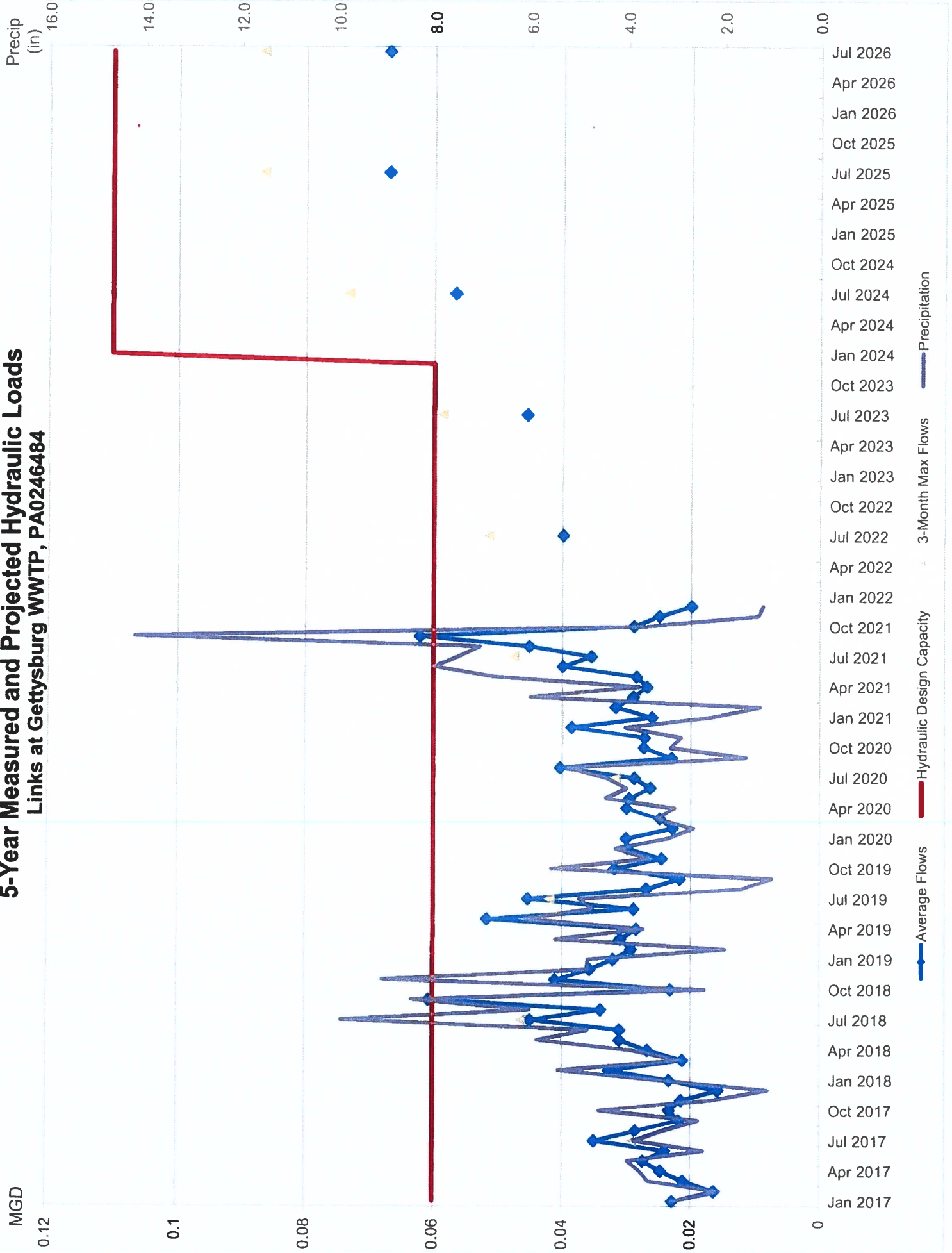
	2022	2023	2024	2025	2026
New EDUs	63	37	74	67	0
New EDU Load	18,262	10,726	21,451	19,422	0,000
Proj. Annual Avg	75	86	108	127	127
Proj. Max Avg	75	86	108	127	127
Proj. Overload?	NO	NO	NO	NO	NO

Show Precipitation Data on Hydraulic Graph?

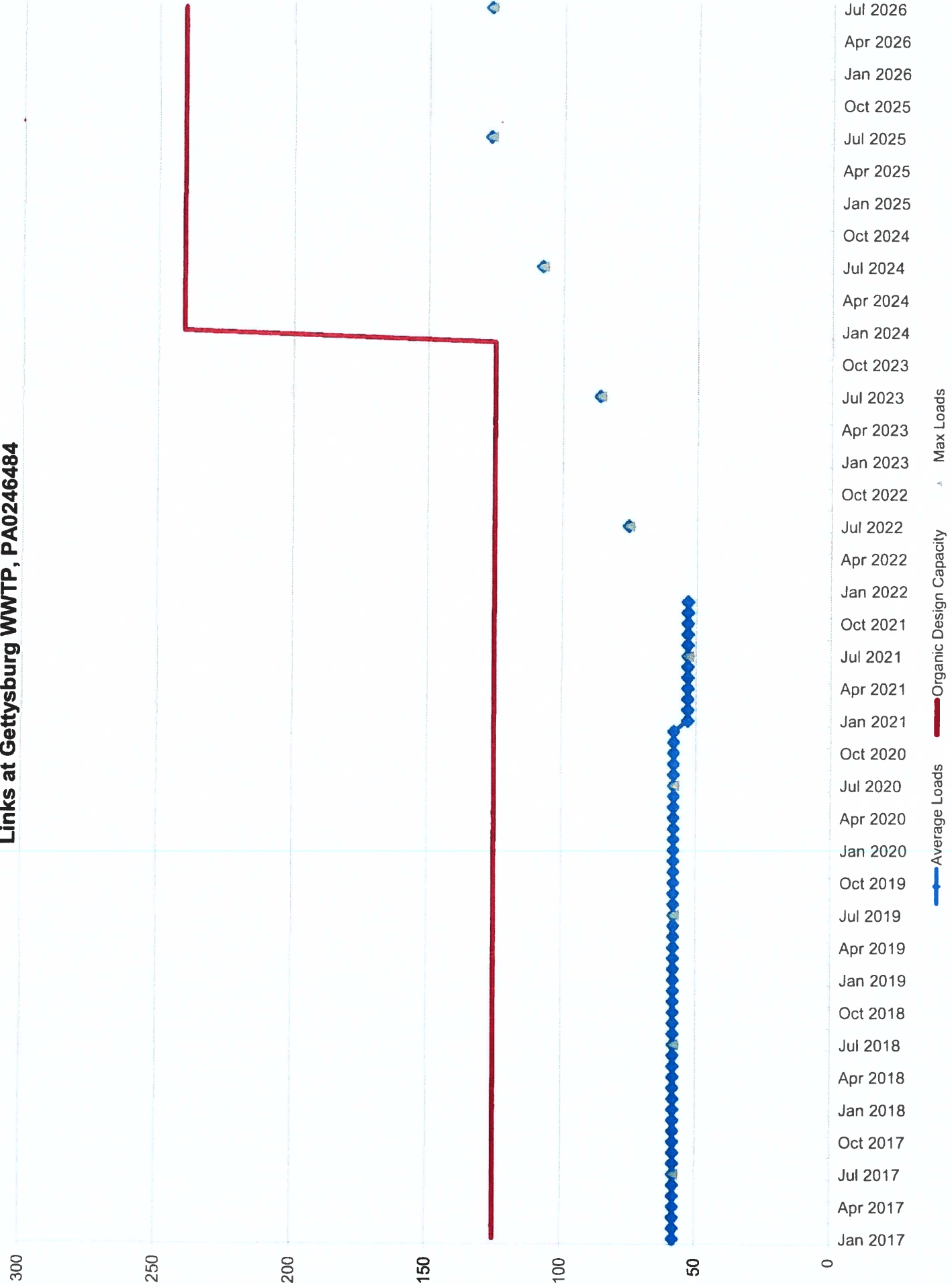
**Total Monthly Precipitation for Past Five Years (Inches)**

Month	2017	2018	2019	2020	2021
January	3.05	3.26	4.79	3.14	2.26
February	2.07	5.41	1.97	2.61	1.25
March	3.54	2.87	5.47	3.4	6.0
April	3.72	3.88	3.65	2.99	3.75
May	3.98	5.84	6.12	4.43	6.75
June	2.4	4.8	4.7	4.0	8.0
July	3.84	9.91	4.98	4.42	7.5
August	3.24	5.99	1.65	5.2	7.05
September	2.51	8.45	1.01	1.53	14.2
October	4.56	2.38	5.56	3.08	3.6
November	2.27	9.05	3.51	2.86	1.3
December	1.09	4.82	4.23	4.03	1.2

# 5-Year Measured and Projected Hydraulic Loads Links at Gettysburg WWTP, PA0246484



# 5-Year Measured and Projected Organic Loads Links at Gettysburg WWTP, PA0246484



ATTACHMENT A

**The Links at Gettysburg - Planned Golf Community Service Connections - Sewer & Water EDU's**

	Full Buildout Residential Connections	12/31/2021 Units Connected	Remaining Unit Connections	Estimated Connection Schedule					
				2022	2023	2024	2025	2026	
<u>Residential Existing</u>									
Courtyards /Battery Ridge, Lookout & Round Top	111	104	7	7	0	0	0	0	0
Garrison Falls - Phase I, II & III	77	58	19	19	0	0	0	0	0
Retreat Condo Bldg #4	12	11	1	1	0	0	0	0	0
Retreat Villas - Phase I, II & III	38	22	16	16	0	0	0	0	0
Cumberland Crossing	43	23	20	20	0	0	0	0	0
<b>Sub Total: Existing Residential</b>	<b>281</b>	<b>218</b>	<b>63</b>	<b>63</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<u>Residential Future</u>									
Fryer - Wade Run Residential Subdivision	99	0	99	0	35	29	35	0	0
Calvary Chase	26	0	26	0	0	13	12	0	0
Powder Creek	52	1	51	0	0	31	20	0	0
<b>Sub Total: Future Residential</b>	<b>177</b>	<b>1</b>	<b>176</b>	<b>0</b>	<b>35</b>	<b>73</b>	<b>67</b>	<b>0</b>	<b>0</b>
<b>Sub Total: Existing &amp; Future Residential</b>	<b>458</b>	<b>219</b>	<b>239</b>	<b>63</b>	<b>35</b>	<b>73</b>	<b>67</b>	<b>0</b>	<b>0</b>

	Full Buildout Residential Connections	12/31/2021 Units Connected	Remaining Unit Connections	Estimated Connection Schedule					
				2022	2023	2024	2025	2026	
<u>Non-Residential Existing</u>									
Premier Clubhouse	1	1	0	0	0	0	0	0	0
Proshop	1	1	0	0	0	0	0	0	0
Sewer Treatment Plant Building	1	1	0	0	0	0	0	0	0
Water Treatment Plant Building	1	1	0	0	0	0	0	0	0
Community Amenity Building	1	1	0	0	0	0	0	0	0
Community Amenity Pool Building	1	1	0	0	0	0	0	0	0
<b>Sub Total: Existing Non-Residential</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<u>Non-Residential Future</u>									
Farmstead - (Fryer - Hotel & Cottages Removed)	1	0	1	0	0	1	0	0	0
Maintenance Building	1	0	1	0	1	0	0	0	0
Golf Course Restroom (Location TBD)	1	0	1	0	1	0	0	0	0
<b>Sub Total: Future Non-Residential</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Sub Total: Existing &amp; Future Non-Residential</b>	<b>9</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>Total: Existing &amp; Future Residential &amp; Non-Residential</b>	<b>467</b>	<b>225</b>	<b>242</b>	<b>63</b>	<b>37</b>	<b>74</b>	<b>67</b>	<b>0</b>	<b>0</b>
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## **ATTACHMENT B**

### **SEWER EXTENSIONS**

In 2021, sanitary sewer in Phase 3 of the Retreat Villas community was constructed. Included in this attachment is a map showing the sanitary sewer system. As shown on the map, the sanitary sewer system is already constructed within the existing Garrison Falls, Courtyards, Retreat Villas, and Cumberland Crossing communities. New EDUs connected within these communities will connect to the existing sewer lines. Sanitary sewer extensions will be required to serve the future Wade Run/Fryer Tract, Cavalry Chase, and Powder Creek communities. Refer to Attachment A for a schedule of upcoming EDU connections.



SCALE: 1"=200'



**MMI** martin and martin incorporated

phone: (717) 264-6759  
37 south main street - suite A  
chambersburg, pennsylvania . 17201



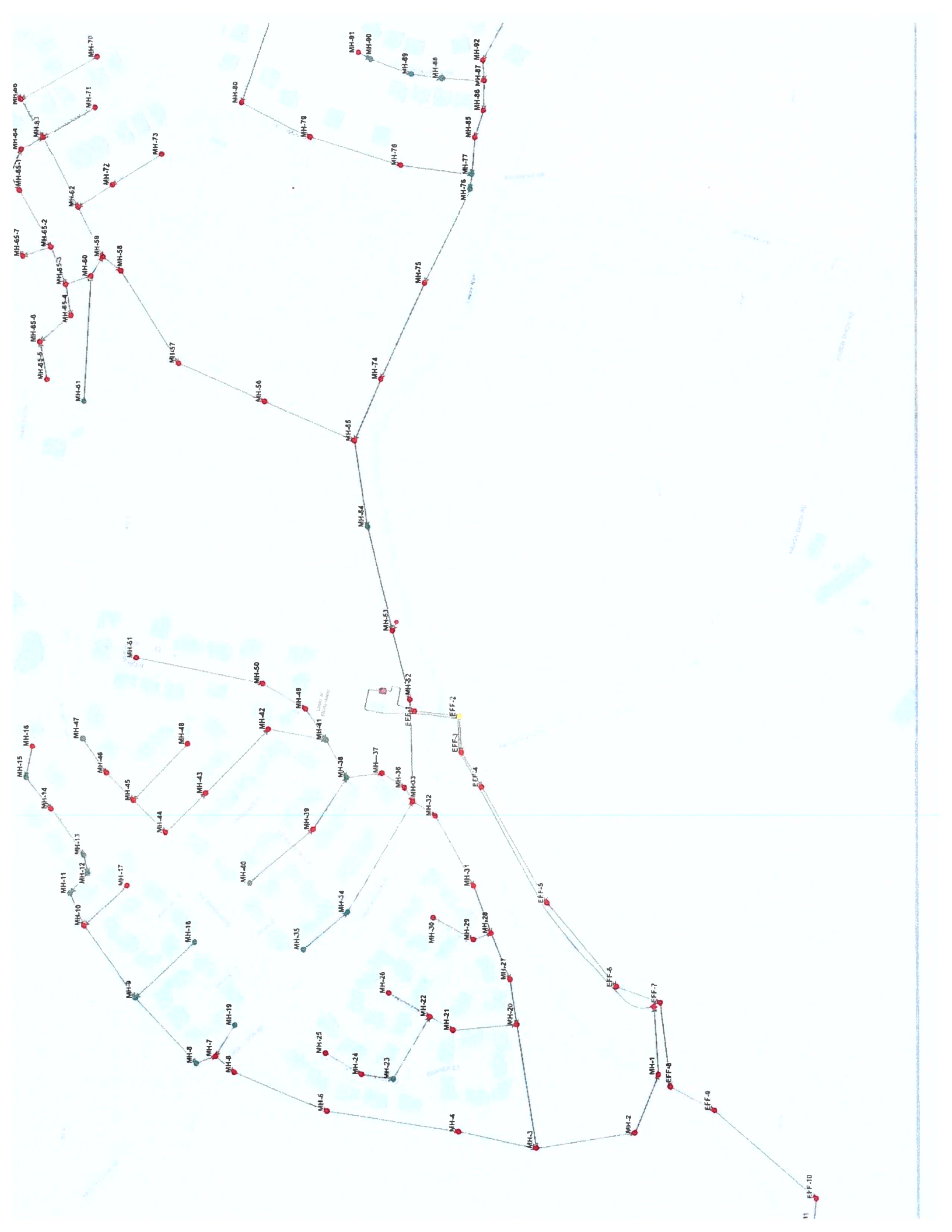
## **ATTACHMENT C**

### **SEWER SYSTEM MONITORING, MAINTENANCE, AND REPAIR**

The Links WWTP is checked daily, and the pump stations are checked monthly. Aqua uses a contract operator to perform daily functions.

Routine sampling is conducted at the WWTP, as required by the NPDES permit. WWTP effluent flow is recorded continuously. Grab samples are taken daily for pH and dissolved oxygen. UV transmittance is continuously monitored, and once per week the UV light transmittance is recorded. Grab samples are taken twice monthly for CBOD5, total suspended solids, and fecal coliform. An 8-hour composite sample is also taken twice monthly for total phosphorus. Total nitrogen is analyzed annually.

In 2021, a manhole rehabilitation project was completed in the Links collection system. In total, 147 manholes were cleaned, modified, and/or rehabilitated. Included in this attachment is a map illustrating the manholes that were part of this project along with a scope of work for each manhole. The payment application also included in this attachment describes the work done and the quantity for each type of repair.







## ATTACHMENT D

### PUMPING STATIONS

There are two (2) pump stations within the sanitary sewer system. The Cumberland Crossing Pump Station, which serves the Cumberland Crossing community, discharges to the gravity sewer at The Courtyards (which is made up of the Lookout, Roundtop, and Battery Ridge communities). All flow from the Courtyards and the remainder of the Links development is then via gravity to the Lousy Run Pump Station, which discharges directly to the Links WWTP. The locations of the pump stations are shown on the sanitary sewer system map in Attachment B.

#### Cumberland Crossing Pump Station

The original permit application for the Cumberland Crossing pump station noted a hydraulic design capacity of 44 gallons per minute (gpm) at 27' total dynamic head (TDH). However, that flow was not adequate to provide a "flushing velocity" of 4 feet per second, which is necessary to re-suspend settled solids after a pump turns off. Therefore, the Cumberland Crossing pump station was provided with VFD's so that it could pump at the original permitted design flow rate of 44 gpm at 27 feet TDH (peak hourly flow rate) and was also provided with the capability to pump at 80 gpm at 58 feet TDH (peak instantaneous flow rate) which is necessary to achieve flushing velocities in the force-main.

The Cumberland Crossing pump station is equipped with a flow meter. The existing SCADA system records total monthly flows from the pump station. In 2021, a total of 514,825 gallons were pumped by the pump station. The annual average daily flow was therefore 1,410 gallons per day (gpd). A peaking factor of 4.0 was used to estimate a peak instantaneous flow rate of 5,640 gpd. This existing peak flow is well below the pump station's maximum pumping capacity.

As of the end of 2021, there were 23 connections served by the Cumberland Crossing pump station. The peak flow per EDU was therefore:  $5,640 \text{ gpd} / 23 \text{ EDUs} = 245 \text{ gpd/EDU}$ . Over the next two (2) years, this pump station is expected to serve an additional 20 EDUs projected for connection within the Cumberland Crossing community. The maximum 2-year flow is therefore:  $245 \text{ gpd/EDU} \times (23 + 20) \text{ EDUs} = 10,535 \text{ gpd}$ . The projected 2-year maximum flow is also well below the pump station's maximum pumping capacity.

### Lousy Run Pump Station

The hydraulic capacity of the Lousy Run pump station is 83 gpm, or 119,520 gallons per day (gpd). This pump station was connected to the SCADA system towards the end of 2021. The pump station is not equipped with a flow meter. However, the SCADA system is capable of estimating daily flows by tracking pump run times.

## **ATTACHMENT E**

### **FLOW METER CALIBRATION REPORT**

There is as Eastech Vantage model 2210 magnetic flow meter installed at the Links WWTP to monitor and record daily effluent flows. The flow meter was calibrated on February 25, 2021, by JS Instrumentation & Calibration, LLC. The calibration report is provided on the following page.



**Instrumentation & Calibration, LLC**

## *Report of Calibration*

**Customer:** AQUA PA  
**Address:** 2154 roaring creek road  
mount carmel PA 17851  
**Manufacturer:** Eastech vantage  
**Model:** 2210  
**Serial:** 10647  
**Description:** Links WWTP Effluent Flowmeter  
**I. D. Number:** s/n  
**Method:** Head vs Flow

**Work Order:** 1144  
**Date Received:** 2 25 2021  
**Calibration Date:** 2 25 2021  
**Due Date:** 2 25 2022  
**Temp. :** 15°C  
**Humidity:** 40 %RH  
**Unit Received:** Pass  
**Unit Returned:** Pass  
**Report No.:** 105.00

<b>Test Standard:</b>	<b>Calibration Due:</b>	<b>Model #:</b>	<b>S/N:</b>
Isco Flow Book		6th Edition	

The equipment described above has been tested for accuracy. The test instrument(s) used in the calibration has been checked for conformance and traceability to National Institute of Standards and Technology (N.I.S.T.). Calibrations, as applicable, are performed in compliance with the requirements of ISO 9001:2000 and MIL-STD-45662A.

Comments: Checked flow at 42 GPM

*Jason Scarcella*

Calibrated By: Jason Scarcella

## **REFERENCES**

DEP. (2022, 03 29). *Search eDMR Data*. Retrieved from <https://www.dep.pa.gov/Business/Water/CleanWater/WastewaterMgmt/eDMR/Pages/Search-eDMR-Data.aspx>

Google. (2022, 03 29). Retrieved from Google Maps: <https://www.google.com/maps>

NOAA. (2022, 03 29). *Data Tools: Find a Station*. Retrieved from NOAA National Centers for Environmental Information: <https://www.ncdc.noaa.gov/cdo-web/datatools/findstation>

U.S. Census Bureau. (2022, 03 29). *Quick Facts, Adams County*. Retrieved from <https://www.census.gov/quickfacts/fact/table/adamscountypennsylvania/BZA210219>

**Respondent's Name:**  
**David C. McIntyre**  
**Manager New Business and Contract Operations**  
**Aqua Pennsylvania Wastewater, Inc.**  
**August 3, 2022**

**BUREAU OF TECHNICAL UTILITY SERVICES**  
**WATER/WASTEWATER INDUSTRY GROUP**  
**Aqua Pennsylvania Wastewater, Inc.**  
**Docket No. A-2022-3031502**  
**Data Request A-10**

**A-10 Please provide a copy of the National Pollutant Discharge Elimination System Permit Number PA02416484 and Water Quality Management (WQM) permit number 0102404 referenced in the Application at Page 3.**

**Response: Attached is a copy of the NPDES permit (correct number is PA0246484) and WQM permit number 0102404.**

---



**pennsylvania**

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Data Request A-10  
NPDES Permit PA0246484

FEB 26 2020

**CERTIFIED MAIL NO. 9171 9690 0935 2030 7525 61**

Curt Steffy  
Aqua Pennsylvania Wastewater Inc.  
762 W Lancaster Avenue  
Bryn Mawr, PA 19010-3489

Re: Final NPDES Permit- Sewage  
Links At Gettysburg  
NPDES Permit No. PA0246484  
Authorization ID No. 1232198  
Mount Joy Township, Adams County

Dear Mr. Steffy:

Your NPDES permit is enclosed. Please read the permit carefully. The permit expires on the date identified on page 1 of the permit. A renewal application must be submitted to this office 180 days prior to the permit expiration date, if a discharge is expected to continue past the expiration date of the permit.

Enclosed are Discharge Monitoring Report (DMR) templates and DMR instructions. It is recommended that you retain the DMR templates in the event you are unable to submit DMRs electronically through DEP's eDMR system. Routine use of the eDMR system is a requirement of the permit unless the conditions in Part A III.B.3 of the permit are met to submit hard copies.

Also enclosed is a Supplemental Form Inventory, which identifies the forms that are attached to the permit and must be submitted as attachments to eDMR reports, as applicable (see individual form instructions). The submission of other supplemental forms may be required in accordance with the permit. We encourage you to use the spreadsheet versions of supplemental forms that contain appropriate validation and DEP-approved calculations.

We would like to bring DEP's eNOTICE service to your attention. eNOTICE is a subscription service that provides options to receive notifications of DEP's activities such as the receipt of permit applications, comment periods for guidance and regulations, and stream redesignation evaluations. To sign up for an account, visit DEP's website ([www.dep.pa.gov](http://www.dep.pa.gov)) and select Data and Tools – Tools – eNOTICE.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board's address is:

Environmental Hearing Board  
Rachel Carson State Office Building, Second Floor  
400 Market Street  
P.O. Box 8457  
Harrisburg, PA 17105-8457

Mr. Curt Steffy

- 2 -

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

A Notice of Appeal form and the Board's rules of practice and procedure may be obtained online at <http://ehb.courtapps.com> or by contacting the Secretary to the Board at 717-787-3483. The Notice of Appeal form and the Board's rules are also available in braille and on audiotape from the Secretary to the Board.

**IMPORTANT LEGAL RIGHTS ARE AT STAKE. YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD AT 717-787-3483 FOR MORE INFORMATION. YOU DO NOT NEED A LAWYER TO FILE A NOTICE OF APPEAL WITH THE BOARD.**

**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.**

If you have any questions, please contact Hilary Le at 717.705.4869 or [hle@pa.gov](mailto:hle@pa.gov).

Sincerely,



Maria D. Bebenek, P.E.  
Environmental Program Manager  
Clean Water Program

Enclosures

cc: Operations Section, DEP SCRO  
Aqua Pennsylvania Wastewater Inc.  
Central Office, Division of Operations



**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
DISCHARGE REQUIREMENTS FOR NON-MUNICIPAL  
SEWAGE TREATMENT WORKS**

**NPDES PERMIT NO: PA0246484**

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.*,

**AQUA Pennsylvania Wastewater Inc.  
762 W Lancaster Avenue  
Bryn Mawr, PA 19010-3489**

is authorized to discharge from a facility known as **Links At Gettysburg**, located in **Mount Joy Township, Adams County**, to **Rock Creek (WWF)** in Watershed(s) **13-D** 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 March 1, 2020**

**THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON February 28, 2025**

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)(2))

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.

**FEB 26 2020**

**DATE PERMIT ISSUED** \_\_\_\_\_

**ISSUED BY**

**Maria D. Bebenek, P.E.  
Environmental Program Manager  
Southcentral Regional Office**

**PARTIAL EFFLUENT LIMITATIONS, MONITORING RECORD KEEPING AND REPORTING REQUIREMENTS**

I. A. For Outfall 001, Latitude 39° 43' 24.40", Longitude 77° 13' 43.16", River Mile Index 0.71, Stream Code 59041

Receiving Waters: Rock Creek (WWF)

Type of Effluent: Sewage Effluent

1. The permittee is authorized to discharge during the period from March 1, 2020 through February 28, 2025.
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)			Instant. Maximum	Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Maximum			
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
Ultraviolet light transmittance (%)	XXX	XXX	Report	XXX	XXX	XXX	1/week	Measured
Carbonaceous Biochemical Oxygen Demand (CBOD5)	XXX	XXX	XXX	25	XXX	50	2/month	Grab
Total Suspended Solids	XXX	XXX	XXX	30	XXX	60	2/month	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	Geo Mean 200	XXX	1,000	2/month	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	Geo Mean 2,000	XXX	10,000	2/month	Grab
Total Phosphorus	XXX	XXX	XXX	2.0	XXX	4.0	2/month	Grab 8-Hr Composite
Total Nitrogen	Report Annl Avg	Report Total Annual	XXX	Report Annl Avg	XXX	XXX	1/year	Calculation

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

at Outfall 001

**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), § 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. For the purpose of determining compliance with this condition, DEP will compare conditions in the receiving water upstream of the discharge to conditions in the receiving water approximately 100 feet downstream of the discharge to determine if there is an observable change in the receiving water. (25 Pa Code § 92a.41(c))
2. 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.
3. 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-BCW0435) 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 effluent limitations for Outfall 001 were determined using an effluent discharge rate of 0.06 MGD.
- (2) Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N ( $\text{NO}_2+\text{NO}_3\text{-N}$ ), where TKN and  $\text{NO}_2+\text{NO}_3\text{-N}$  are measured in the same sample.

## 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 pollutant loading to surface waters of the Commonwealth. The term also includes treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. The term includes activities, facilities, measures, planning or procedures used to minimize accelerated erosion and sedimentation and manage stormwater to protect, maintain, reclaim, and restore the quality of waters and the existing and designated uses of waters within this Commonwealth before, during and after earth disturbance activities. (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, 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 116 pursuant to Section 311 of the Clean Water Act. (40 CFR 122.2)

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.

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

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)

Municipal Waste means garbage, refuse, industrial lunchroom or office waste and other material, including solid, liquid, semisolid or contained gaseous material resulting from operation of residential, municipal, commercial or institutional establishments and from community activities; and sludge not meeting the definition of residual or hazardous waste under this section from a municipal, commercial or institutional water supply treatment plant, waste water treatment plant or air pollution control facility. (25 Pa. Code § 271.1)

Residual Waste means garbage, refuse, other discarded material or other waste, including solid, liquid, semisolid or contained gaseous materials resulting from industrial, mining and agricultural operations and sludge from an industrial, mining or agricultural water supply treatment facility, wastewater treatment facility or air pollution control facility, if it is not hazardous. The term does not include coal refuse as defined in the Coal Refuse Disposal Control Act. The term does not include treatment sludges from coal mine drainage treatment plants, disposal of which is being carried on under and in compliance with a valid permit issued under the Clean Streams Law. (25 Pa Code § 287.1)

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.

Total Dissolved Solids means the total dissolved (filterable) solids as determined by use of the method specified in 40 CFR Part 136.

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)

### 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(i)(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, 25 Pa. Code § 92a.61)

2. Records Retention (40 CFR 122.41(i)(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. The 3-year period shall be extended as requested by DEP or the EPA Regional Administrator.

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

- a. 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.
- b. Test procedures (methods) for the analysis of pollutants or pollutant parameters shall be those approved under 40 CFR Part 136 or required under 40 CFR Chapter I, Subchapters N or O, unless the method is specified in this permit or has been otherwise approved in writing by DEP. (40 CFR 122.41(i)(4), 122.44(i)(1)(iv))
- c. Test procedures (methods) for the analysis of pollutants or pollutant parameters shall be sufficiently sensitive. A method is sufficiently sensitive when 1) the method minimum level is at or below the level of the effluent limit established in the permit for the measured pollutant or pollutant parameter; or 2) the method has the lowest minimum level of the analytical methods approved under 40 CFR Part 136 or required under 40 CFR Chapter I, Subchapters N or O, for the measured pollutant or pollutant parameter; or 3) the method is specified in this permit or has been otherwise approved in writing by DEP for the measured pollutant or pollutant parameter. Permittees have the option of providing matrix or sample-specific minimum levels rather than the published levels. (40 CFR 122.44(i)(1)(iv))

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. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.44, 92a.61(i) and 40 CFR §§ 122.41(e), 122.44(i)(1))
2. The permittee shall use DEP's electronic Discharge Monitoring Report (eDMR) system to report the results of compliance monitoring under this permit (see [www.dep.pa.gov/edmr](http://www.dep.pa.gov/edmr)). Permittees that are not using the eDMR system as of the effective date of this permit shall submit the necessary registration and trading partner agreement forms to DEP's Bureau of Clean Water (BCW) within 30 days of the effective date of this permit and begin using the eDMR system when notified by DEP BCW to do so. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.61(g) and 40 CFR § 122.41(l)(4))
3. Submission of a physical (paper) copy of a Discharge Monitoring Report (DMR) is acceptable under the following circumstances:
  - a. For a permittee that is not yet using the eDMR system, the permittee shall submit a physical copy of a DMR to the DEP regional office that issued the permit during the interim period between the submission of registration and trading partner agreement forms to DEP and DEP's notification to begin using the eDMR system.
  - b. For any permittee, as a contingency a physical DMR may be mailed to the DEP regional office that issued the permit if there are technological malfunction(s) that prevent the successful submission of a DMR through the eDMR system. In such situations, the permittee shall submit the DMR through the eDMR system within 5 days following remedy of the malfunction(s).
4. DMRs must be completed in accordance with DEP's published DMR instructions (3800-FM-BCW0463). DMRs must be received by DEP no later than 28 days following the end of the monitoring period. DMRs are based on calendar reporting periods and must be received by DEP 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.
5. The permittee shall complete all Supplemental Reporting forms (Supplemental DMRs) attached to this permit, or an approved equivalent, and submit the signed, completed forms as attachments to the DMR, through DEP's eDMR system. DEP's Supplemental Laboratory Accreditation Form (3800-FM-BCW0189) must be completed and submitted to DEP with the first DMR following issuance of this permit, and anytime thereafter when changes to laboratories or methods occur. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.61(g) and 40 CFR § 122.41(l)(4))
6. 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 and for co-permittees, 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))

7. 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 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))
2. **Planned Changes to Waste Stream** – Under the authority of 25 Pa. Code § 92a.24(a), the permittee shall provide notice to DEP as soon as possible but no later than 45 days prior to any planned 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-BCW0482), available on DEP's website. The permittee shall provide information on the quality and quantity of waste introduced into the facility, and any anticipated impact of the change on the quantity or quality of effluent to be discharged from the facility. 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 a new application and receipt of a new or amended permit is required.

- a. **Introduction of New Pollutants** (25 Pa. Code § 92a.24(a))

New pollutants are defined as parameters that meet all of the following criteria:

- (i) Were not detected in the facilities' influent waste stream as reported in the permit application; and
- (ii) Have not been approved to be included in the permittee's influent waste stream by DEP in writing.

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 written approval.

b. Increased Loading of Approved Pollutants (25 Pa. Code § 92a.24(a))

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
- (ii) Have been approved to be included in the permittee's influent waste stream by DEP in writing; or
- (iii) Have an effluent limitation or monitoring requirement in this permit.

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 20% 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 facility (as defined at 40 CFR 403.3), or (4) may cause exceedances of the applicable water quality standards in the receiving stream. Unless specified otherwise in this permit, if DEP 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 and may not cause exceedances of the applicable water quality standards in the receiving stream.

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), as defined at 25 Pa. Code § 287.1, that are 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-BCW0450) 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.

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 or the permittee has not otherwise received the information from the generator, the

residual wastes shall not be accepted by the permittee until such time as the permittee receives such information from the transporter or generator.

- (ii) The following conditions apply to the characterization of residual wastes received by the permittee:
  - (1) If the generator is required to complete a chemical analysis of residual wastes in accordance with 25 Pa. Code § 287.51, the permittee must receive and maintain on file a chemical analysis of the residual wastes it receives. The chemical analysis must 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 covered by a chemical analysis if the generator is required to complete it.
  - (2) For wastewater generated from hydraulic fracturing operations ("frac wastewater") within the first 30 production days of a well site, the chemical analysis may be a general frac wastewater characterization approved by DEP. Thereafter, the chemical analysis must be waste-specific and be 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), as defined at 25 Pa. Code § 271.1, that are 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-BCW0437) 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 BODs 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.

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 §§ 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. (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 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-BCW0440). 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**

1. The permittee shall comply with all conditions of this permit. If a compliance schedule has been established in this permit, the permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in this permit. (40 CFR 122.41(a)(1))
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. (25 Pa. Code § 92a.51(c), 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 Title 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. If the sewage treatment facility provides service in part or whole to a municipality, through a contract or agreement between the operator and municipality, an annual report shall be submitted to DEP by March 31 containing the following information, at a minimum:
  - a. The information identified in 25 Pa. Code § 94.12.
  - b. A "Solids Management Inventory" if specified in Part C of this permit.
  - c. The total volume of hauled-in residual and municipal wastes received during the year, by source.

**D. General Pretreatment Requirements**

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. 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 G.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 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 – 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.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.

I. Termination of Permit Coverage (25 Pa. Code § 92a.74 and 40 CFR 122.64)

1. Notice of Termination (NOT) – If the permittee plans to cease operations or will otherwise no longer require coverage under this permit, the permittee shall submit DEP's NPDES Notice of Termination (NOT) for Permits Issued Under Chapter 92a (3800-BCW-0410), signed in accordance with Part A III.B.6 of this permit, at least 30 days prior to cessation of operations or the date by which coverage is no longer required.
2. Where the permittee plans to cease operations, NOTs must be accompanied with an operation closure plan that identifies how tankage and equipment will be decommissioned and how pollutants will be managed, as applicable.
3. The permittee shall submit the NOT to the DEP regional office with jurisdiction over the county in which the facility is located.

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 DEP regulations. (25 Pa. Code § 92a.71)
3. In the event DEP does not approve transfer of this permit, the new owner or operator 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.

IV. 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 or 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 Clean Water  
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 75, and in a manner equivalent to the requirements indicated in 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. 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.
- D. If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- E. When the permittee proposes to use chlorine in the event of an emergency, the permittee must notify DEP prior to initiating use of chlorine. The permittee must also monitor Total Residual Chlorine (TRC) concentrations in the effluent on each day in which chlorine is used. When chlorine is used, TRC concentrations in the effluent must not exceed 0.5 mg/L (30-day average). The results shall be submitted as an attachment to the Discharge Monitoring Report (DMR).

**II. CHESAPEAKE BAY NUTRIENT DEFINITIONS**

- A. Monthly Total Mass Load (lbs) = The sum of the actual daily discharge loads (lb/d) divided by the number of samples per month multiplied by the number of days in the month. Daily discharge load (lb/d) = Daily flow (MGD) on the day of sampling, multiplied by that day's sample concentration (mg/l) multiplied by 8.34.
- B. Annual Total Mass Load (lbs) = The sum of the Monthly Total Mass Loads for one year beginning October 1st and ending September 30th.
- C. Total Nitrogen = Kjeldahl-N plus Nitrate-Nitrite as N.

3800-FM-BCW0462 12/2016  
COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION



**pennsylvania**  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NAME Aqua Pennsylvania Wastewater Inc.  
ADDRESS 762 W Lancaster Avenue  
Bryn Mawr, PA 19010-3489  
FACILITY Links At Gettysburg  
LOCATION Mount Joy Township  
Adams County  
WATERSHED 13-D

COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

PA0246484  
PERMIT NUMBER

001  
OUTFALL NUMBER

Reporting Frequency: Annually  
DMR Effective From: March 1, 2020  
DMR Effective To: February 28, 2025  
Permit Expires: February 28, 2025  
Permit Application Due: September 1, 2024

\_\_\_ Check Here if No Discharge

NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS			
Total Nitrogen	Report Annl Avg	XXX	lbs/day	XXX	Report Annl Avg	XXX		1/year	Calculation
	Report Total Annual	XXX	lbs	XXX	XXX	XXX		1/year	Calculation

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE		DATE					
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			AREA CODE	NUMBER	YEAR	MO	DAY
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")								

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate 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 10 Pa. C.S. § 4604 (relating to untruthful falsification).



NAME Aqua Pennsylvania Wastewater, Inc.  
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MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY

TO

Check Here if No Discharge

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PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	UNITS			
Flow	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	XXX	XXX	XXX	Continuous	Measured
pH	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	XXX	XXX	6.0 Daily Min	XXX	9.0 IMAX	1/day	Grab
Dissolved Oxygen	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	XXX	XXX	5.0 Daily Min	XXX	XXX	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5)	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	XXX	XXX	25 Avg Mo	XXX	50 IMAX	2/month	Grab
Total Suspended Solids	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	XXX	XXX	30 Avg Mo	XXX	60 IMAX	2/month	Grab
Fecal Coliform Oct 1 - Apr 30	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	XXX	XXX	2000 Geo Mean	XXX	10000 IMAX	2/month	Grab

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	DATE
			AREA CODE NUMBER	YEAR MO DAY
TYPED OR PRINTED	COMMENTS (Report all violations on the "Non-Compliance Reporting Form")			

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate 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 unsworn falsification).

NAME Aqua Pennsylvania Wastewater Inc.  
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MONITORING PERIOD			
YEAR	MO	DAY	TO

NOTE: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	VALUE			
Fecal Coliform May 1 - Sep 30	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	XXX	XXX	200 Geo Mean	1000 IMAX		2/month	Grab
Ultraviolet light transmittance	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	XXX	XXX	Report Daily Min	XXX		1/week	Measured
Total Phosphorus	SAMPLE MEASUREMENT							
	PERMIT REQUIREMENT	XXX	XXX	2.0 Avg Mo	4.0 IMAX		2/month	8-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
TYPED OR PRINTED	AREA CODE NUMBER	MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate 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 knowingly providing false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 9104 (relating to unsworn falsification).



## INSTRUCTIONS FOR COMPLETING DISCHARGE MONITORING REPORTS (DMRs)

### General

One or more Discharge Monitoring Reports (DMRs) are attached to your permit for reporting the results of self-monitoring activities as required by your permit. You should make copies of the DMRs for your ongoing use, unless you elect to participate in the Department of Environmental Protection's (DEP's) electronic DMR (eDMR) program (see [www.dep.pa.gov/edmr](http://www.dep.pa.gov/edmr)).

- Reporting frequencies will vary depending on the monitoring frequencies listed in your permit, and are generally monthly, quarterly semi-annually and annually.
- Your reports must be received by DEP on the 28<sup>th</sup> day of the month following the end of the reporting period, unless otherwise specified in Part C of your permit.
- Your permit may require submission of DMRs to other agencies, including the U.S. Environmental Protection Agency (EPA).
- If you receive DMRs in the mail from EPA, please discontinue use of DMR Form No. 3800-FM-BCW0462 and begin using EPA's DMRs.
- DMRs will generally include pre-populated information for permittee name and address, facility location, permit number, outfall number, permit expiration date, parameter names, and permit requirements. If you identify any errors on a DMR issued by DEP, please contact the DEP regional office that issued your permit. If you identify any errors on a DMR issued by EPA, please contact DEP's Central Office at 717-787-6744. **DO NOT make changes to DMRs issued to you.**
- You may use computer-generated replicas of Form No. 3800-FM-CW0462 or of EPA's DMR if you receive prior approval from DEP and EPA. **DEP reserves the right to instruct you to discontinue the submission of computer-generated DMRs if the permit requirements you entered on the form are inaccurate.**

### Instructions

1. Enter statistical results into each blank field below the "VALUE" column headers. Results must be reported in the same units shown on the DMR.
2. Sum the total number of excursions or exceedances of permit limits across the row for each parameter and enter the value into the "NO. EX" field. For example, if the permit contains limits of 6.0 S.U. (Minimum) and 9.0 S.U. (Maximum) for pH, and the Minimum and Maximum results are 5.9 S.U. and 9.1 S.U., respectively, enter "2" into the "NO. EX" field.
3. Report the actual sampling frequency and sample type utilized during the reporting period in the fields corresponding to "Frequency of Analysis" and "Sample Type", respectively.
4. Type the name of the principal executive officer (or an authorized agent designated by a principal executive officer) who is taking responsibility for the report, sign the report (should be in ink), enter the telephone number of the responsible individual, and record the date that the report was signed. Mail only original, signed copies of DMRs.
5. In the Comments section at the bottom of the DMR, you may write a brief summary of violations in this section; however, DEP requests that all violations during the monitoring period be reported in more detail on DEP's **Non-Compliance Reporting Form** (3800-FM-BCW0440) and be submitted as an attachment to the DMR. Other uses of the Comments Section include explanations of attachments to the DMR, explanations for the unavailability of data, and brief summaries of issues that have affected operations or effluent quality during the monitoring period. Always consider attaching a letter or separate document to explain your situation in more detail.

**No Discharge or No Data Available**

If there was no discharge at all from an outfall during the monitoring period, check the "No Discharge" box on the top of the DMR. Complete the information above and below the table and mail the DMR to the appropriate agencies. Be sure to sign and date the DMR.

If there was no discharge of a specific parameter (e.g., if a chlorine limit is in the permit but chlorine was not used for disinfection during the entire reporting period), or if data are not available for a specific parameter for the entire reporting period, do not leave the DMR blank. Instead, report one of the following No Data Indicator (NODI) codes that apply to your situation in the appropriate value field, and **provide an explanation as an attachment to the DMR:**

- A** Use if you are exempted from monitoring the parameter because of a General Permit condition.
- E** Use if all samples or results are not available for the reporting period due to equipment failure or because sample collection was overlooked or samples could not be collected for the parameter.
- GG** Use if your permit requires sample collection and analysis only under certain conditions and those conditions were not met during the reporting period (e.g., report chlorine results only when chlorination system is used).
- FF** Other: use if there is any reason for the absence of data that is not covered by those above.

If you have at least one result for a parameter, the value should be reported and not a NODI code.

**Calculations**

The following explains how to calculate statistical values that are commonly required by permits:

**Monthly Average** – For Loading (lbs/day), sum the total of daily loadings and divide by the number of samples during the month. To calculate the daily loading, multiply the daily concentration (mg/l) by the flow (MGD) on the date of sampling and a conversion factor of 8.34. For Concentration, sum the total of daily concentrations and divide by the number of samples.

**Weekly Average** – For Loading (lbs/day), sum the total of average daily loadings during each week of the reporting period (beginning on a Sunday and ending on a Saturday) and divide by the number of samples during the week. For Concentration, sum the total of daily concentrations each week and divide by the number of samples. Report the maximum weekly average on the DMR.

**Maximum Daily ("Daily Max")** – Report the maximum concentration or load measured during a 24-hour period during the reporting period; if multiple measurements are taken daily, include all data in the analysis.

**Instantaneous Maximum ("IMAX")** – Report the maximum result obtained by a grab sample for a specific pollutant over the entire reporting period covered by a DMR.

**Instantaneous Minimum ("Minimum")** – Report the minimum result obtained by a grab sample for a specific pollutant over the entire reporting period covered by a DMR.

**Total Monthly Load (lbs)** – Sum the total of average daily loadings, divide by the number of samples during the month, and multiply by the number of days in the month.

**Geometric Mean** – Report the average of a set of *n* sample results given by the *n*th root of their product. If any result is zero (0), substitute 1 for the calculation. For example, five samples were analyzed with the following results: 20, 300, 400, 500, and 0. The calculation of geometric mean is as follows (note that you will need to use the power function on a calculator):

$$\sqrt[5]{20 \cdot 300 \cdot 400 \cdot 500 \cdot 1} = \sqrt[5]{1,200,000,000} = (1,200,000,000)^{1/5} = 65$$

**Non-Detect Data****Conventional and Toxic Parameters**

For calculating average values of data sets in which there are some "detections" (results at or above the laboratory reporting limit) and some "non-detect" data (results reported below the laboratory reporting limit), use the reporting limit for non-detect data. In other words, ignore the less than (<) symbol for statistical calculations and include the < symbol with the statistical result if there is at least one non-detect result in the data set. For example, four samples were analyzed with the following results: < 1.0, 2.0, < 1.0, and 1.0. The average statistical result is < 1.3.

Where the permit includes an effluent limitation for a parameter that is less than the most sensitive detection limit available, and the laboratory reports a value at or below the lowest level specified by the permit, you may use zero (0) in the calculation in lieu of the reporting limit, if the parameter is identified in 25 Pa. Code Chapter 16, Appendix A, Tables 2A and 2B. In general, parameters with limitations that are less than the most sensitive detection limit will be identified in Part C of the permit, if applicable.

**Bacteria Parameters**

Report all "non-detect" (e.g., < 2) and "too numerous to count" (TNTC) (e.g., > 2,000) results on DMR supplemental forms as reported by the laboratory. Do not report "TNTC" on supplemental forms, but instead report a value qualified with the ">" symbol. Where a data set includes one or more "non-detect" and/or TNTC results, calculate the geometric mean by ignoring qualifying symbols, but report the value with the symbol. If a data set includes both ">" and "<" qualifiers, the ">" qualifier takes precedence for reporting. For all "non-detect" values, specify in the Comments section of the DMR the maximum volume filtered at the laboratory.

*Example 1* – For results are determined, < 2, 10, 20, and 30. The geometric mean should be reported as  $(2 \bullet 10 \bullet 20 \bullet 30)^{0.25} = < 10$ . Specify the maximum volume filtered for the < 2 result in the DMR Comments.

*Example 2* – Three results are determined, < 2, 1,000, and > 2,000. The geometric mean should be reported as  $(2 \bullet 1,000 \bullet 2,000)^{0.333} = > 158$ .

**Rounding and Precision**

Statistical values reported on the DMR should be rounded to the same number of decimal places as the limit for the parameter as set forth in the permit. If the permit does not contain a limit but requests monitoring only, statistical values for concentration results should be rounded to the maximum number of decimal places in the data set as reported by the laboratory or the instrument used for analysis. If mass loads must be reported and there is no limit, round statistical values to the nearest whole number, unless the calculated number is less than one, in which case the value should be rounded to one significant figure (e.g., 0.1, 0.05, etc.). If the number you are rounding is followed by 5, 6, 7, 8, or 9, round the number up, otherwise round down.

The documents "Discharge Monitoring Reports Overview and Summary" (3800-BK-DEP3047) and "Management of Non-Detect Results for Discharge Monitoring Reports" (3800-FS-DEP4262) contain more information and are incorporated by reference. These documents are available on DEP's website.



**SUPPLEMENTAL REPORT  
DAILY EFFLUENT MONITORING**

Facility Name: Links At Gettysburg      Month: \_\_\_\_\_ Year: \_\_\_\_\_  
 Municipality: Mount Joy Township      NPDES Permit No.: PA0246484      Outfall No.: 001  
 Watershed: 13-D      County: Adams  
 Laboratories: \_\_\_\_\_  
 Renewal application due 180 days prior to expiration  
 This permit will expire on FEBRUARY, 28 2025

Day	Flow		pH		DO		CBOD5		TSS		Fecal Coliform		UV Transmittance		Total Nitrogen		Total Phosphorus		
	Q	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	No./100 ml	Q	%	Q	mg/L	Q	mg/L	
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2																			
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I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate 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 unsworn falsification).

Prepared By: \_\_\_\_\_ Signature: \_\_\_\_\_  
 Title: \_\_\_\_\_ Date: \_\_\_\_\_

## INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

### DAILY EFFLUENT MONITORING REPORT

Use this form to report daily monitoring results for the parameters that must be monitored in effluent for compliance with the permit. Results for influent parameters are normally reported on Form 3800-FM-BCW0436.

1. Enter Facility Name, Municipality, County, Watershed No., Laboratories, Month, Year, NPDES Permit No., Outfall No., and Permit Expiration Date (it is noted that this information may be pre-populated if you have received this form with your permit). For Laboratories, list the names of all laboratories where samples were analyzed during the month, including on-site analysis.
2. In the column headers, below "Effluent Parameters," enter the names of parameters in the permit. Since limited space is provided, abbreviation may be necessary. If there are more parameters for an outfall than columns provided on the form, attach an additional sheet.
3. Below parameter names, and to the right of "Q" (Qualifier) column headers, enter the units associated each parameter (it is noted that this information may be pre-populated if you have received this form with your permit).
4. Enter monitoring results for parameters in the rows corresponding to the day of the month in which samples were collected. Enter results exactly as reported by the laboratory, or if measured with on-site equipment, to the level of precision recommended by the equipment manufacturer. Enter data qualifiers such as "<," ">," "J," and others in the "Q" column.
5. Calculate and report average values at the bottom of the table in accordance with the DMR Instructions (3800-FM-BCW0463) and DEP guidance (3800-BK-DEP3047). Note – for bacteria, calculate and report the geometric mean value.
6. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.



## INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

### BIOSOLIDS PRODUCTION AND DISPOSAL FORM

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., and Permit Expiration Date.

#### Biosolids Production Information

2. For each off-site removal event for liquid sewage sludge or biosolids and for dewatered sewage sludge or biosolids, and for each event where dewatered sewage sludge or biosolids are incinerated on-site, list the date of the event, identify the gallons (liquid) or tons (dewatered) removed or incinerated and the percent solids (e.g., 10%, 20%, etc.) Report only sewage sludge or biosolids that have been removed from the plant digesters and other solids which have been **permanently** removed from the treatment process. Do **not** include sewage sludge or biosolids from other facilities that are processed at your facility. (If there were no off-site removal events during the month, check the box above the table).

Calculate dry tons for liquid sewage sludge or biosolids by multiplying the volume (gallons) by the percent solids and by a conversion factor of 0.0000417. For example, if 2,500 gallons of liquid biosolids is removed, and the percent solids is 3.0%, dry tons is calculated as:

$$2,500 \text{ gallons} \times 3.0\% \times 0.0000417 = 0.31 \text{ dry tons}$$

Calculate dry tons for dewatered sewage sludge or biosolids by multiplying the tons dewatered by the percent solids and by a conversion factor of 0.01. For example, if 5 tons of dewatered biosolids is removed, and the percent solids is 50%, dry tons is calculated as:

$$5 \text{ tons} \times 50\% \times 0.01 = 2.5 \text{ dry tons}$$

The % **Solids** of liquid or dewatered sewage sludge or biosolids must be determined periodically through laboratory testing. Do not estimate or guess this value. An acceptable test method is method 2540B in *Standard Methods for the Examination of Water and Wastewater*, 18th edition, where samples are dried at 103-105°C. Other references such as ASTM may have equivalent tests which are also acceptable.

#### Biosolids and Incinerator Ash Disposal and Beneficial Use Information

3. Report sewage sludge, biosolids, and ash disposal and beneficial use information by disposal/application site. There are columns for four possible sites per month - if more sites are needed, attach additional pages. For each Site Name, listed at the top of the column, enter the Municipality and County of the site, the DEP Permit No. (i.e., Biosolids permit number for land application, landfill waste management permit number, etc.), Type of Material (sewage sludge, biosolids, or incinerator ash), Dry Tons Applied/Disposed at the site for the month, Type of Disposal/Use (e.g., reed beds, agricultural utilization, composting, landfill, other treatment plant, etc.) and the name of the hauler (company or individual name).
4. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.



**NON-COMPLIANCE REPORTING FORM**

Use this supplemental form to report all permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of Pollution Incidents, Remediation, and may require an additional report on the incident or plan of pollution prevention measures. If you are reporting other non-compliance events, and the reporting deadline does not coincide with your submission of the DMR, it should be submitted separately to the Department by the reporting deadline set forth in the permit. See instructions for more information.

Facility Name: Links At Gettysburg Month: \_\_\_\_\_ Year: \_\_\_\_\_  
 Municipality: Mount Joy Township County: Adams Permit No.: PA0246484

Violations of Permit Effluent Limitations\*

Date	Parameter	Permit Limit	Units	Statistical Code	Result	Units	Cause of Violation	Corrective Action Taken

Sanitary Sewer Overflows and Other Unauthorized Discharges\*

Event Date	Substance Discharged	Location	Volume (gals)	Duration (hrs)	Receiving Waters	Impact on Waters	Cause of Discharge	Date DEP Notified

Other Permit Violations\*

- Sample collection less frequent than required Explain
- Sample type not in compliance with permit Explain
- Violation of permit schedule Explain
- Other Explain
- Other Explain

**\* If the space provided is not sufficient to record all information, please attach additional sheets.**

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate 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 unsworn falsification).

Prepared By: \_\_\_\_\_ Signature: \_\_\_\_\_  
 Title: \_\_\_\_\_ Date: \_\_\_\_\_

## INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

### NON-COMPLIANCE REPORTING FORM

Use this supplemental form to report all permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). If you are reporting other non-compliance events, and the deadline for a written report (e.g., 5 days) does not coincide with your submission of the DMR, this form should be submitted separately to the Department by the reporting deadline set forth in the permit.

**If you are unsure of whether an incident constitutes non-compliance that may endanger health or the environment, it is recommended that you notify the Department verbally as soon as possible after you become aware of the incident. Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of pollution incidents, remediation, and may require an additional report on the incident or plan of pollution prevention measures.**

#### Instructions:

1. Enter the name of the facility, the municipality and county where it is located, the month and year when violations occurred, and the NPDES or WQM permit number for the facility.
2. If there were violations of permit effluent limitations during the month, check the box next to "Violations of Permit Effluent Limitations." (Note – if using the electronic version of this form, check the boxes first, and then select Tools – Unprotect Document to enter additional information). Enter the date of the violation (if a violation of a minimum or maximum limit, the date of sample collection, or if a violation of an average limit, the end of the monitoring period), the parameter name, the permit limit and units, the statistical code (e.g., "MIN", "MAX", "MO AVG", etc.), the measured result and units, the cause of the violation and the corrective action taken. **If there are more than two violations during the monitoring period and/or if the space provided is insufficient to explain the cause or corrective action, please attach additional pages.**
3. If there are Sanitary Sewer Overflow (SSO) discharges or other unauthorized discharges from the facility (e.g., spills, leaks, etc.) that enter or have the potential to enter waters of the Commonwealth, including groundwater, notify DEP by phone as soon as possible, and document the discharge on this form by checking the box next to "Sanitary Sewer Overflows and Other Unauthorized Discharges." Record the event (discharge) date, the substance discharged (e.g., sewage, on-site chemicals, etc.), the location where the discharge occurred (e.g., manhole number, pump station name, equipment description, etc.), the volume discharged (gallons), the approximate duration of the discharge (hours), the receiving waters (name of stream or groundwater), the impact on the receiving waters, if observed (e.g., solids deposition, foam, fish kill, etc.), the cause of the discharge, and the date on which the Department was verbally notified. **If there are more than two discharge events during the monitoring period and/or if the space provided is insufficient to explain the discharge, please attach additional pages.**
4. If there are other violations of the permit, check the box next to "Other Permit Violations," and check the appropriate box that describes the violation type. If not identified on the form, check the box next to "Other" and provide a written explanation. **If the space provided is insufficient to explain the violation, please attach additional pages.**
5. Type your name and title and sign and date the form after reading the certification statement.

If you have questions about completing this form, contact the Clean Water Program Operations Section of the Department in your region:

Southeast Region – (484) 250-5970  
Northeast Region – (570) 826-2553  
Southcentral Region – (717) 705-4707

Northcentral Region – (570) 327-0532  
Southwest Region – (412) 442-4060  
Northwest Region – (814) 332-6942



Application Type Renewal  
Facility Type Sewage  
Major / Minor Minor

**NPDES PERMIT FACT SHEET  
ADDENDUM**

Application No. PA0246484  
APS ID 542007  
Authorization ID 1232198


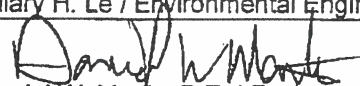
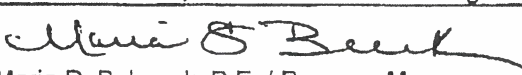
**Applicant and Facility Information**

Applicant Name	<u>Aqua Pennsylvania Wastewater Inc.</u>	Facility Name	<u>Links At Gettysburg</u>
Applicant Address	<u>762 W Lancaster Avenue</u> <u>Bryn Mawr, PA 19010-3489</u>	Facility Address	<u>601 Mason Dixon Road</u> <u>Gettysburg, PA 17325-8642</u>
Applicant Contact	<u>Curt Steffy</u>	Facility Contact	<u>Stephen Draus</u>
Applicant Phone	<u>(610) 525-1400</u>	Facility Phone	<u>(570) 648-5783</u>
Client ID	<u>62614</u>	Site ID	<u>615172</u>
SIC Code	<u>4941,4952,7992</u>	Municipality	<u>Mount Joy Township</u>
SIC Description	<u>Services - Public Golf Courses,Trans. &amp;</u> <u>Utilities - Sewerage Systems,Trans. &amp;</u> <u>Utilities - Water Supply</u>	County	<u>Adams</u>
Date Published in PA Bulletin	<u>January 4, 2020</u>	EPA Waived?	<u>Yes</u>
Comment Period End Date	<u>February 4, 2020</u>	If No, Reason	<u></u>
Purpose of Application	<u>Application for a renewal of an NPDES permit for discharge of treated Sewage</u>		

**Internal Review and Recommendations**

The NPDES draft permit was mailed out on December 17, 2019 and was published in the *Pennsylvania-Bulletin* on January 4, 2020 for public comments for 30 days. No draft permit comments were received from the permittee or public.

It is recommended that the NPDES permit be issued. All permit requirements will remain the same as those specified in the December 17, 2019 draft permit.

Approve	Return	Deny	Signatures	Date
X			 Hilary H. Le / Environmental Engineering Specialist	February 5, 2020
X			 Daniel W. Martin, P.E. / Environmental Engineer Manager	2/19/20
✓			 Maria D. Bebenek, P.E. / Program Manager	2/24/2020



#5

Pennsylvania Department of Environmental Protection

909 Elmerton Avenue  
Harrisburg, PA 17110-8200

OCT 31 2002

Southcentral Regional Office

717-705-4707  
FAX - 717-705-4760

**CERTIFIED MAIL NO. 7000 1670 0007 5148 5735**

Mr. Richard Klein  
The Links at Gettysburg Utility Company LLC  
601 Mason Dixon Road  
Gettysburg, PA 17325

Re: Sewage  
The Links at Gettysburg  
NPDES Permit No. PA 0246484  
Part II Permit No. 0102404  
APS ID No. 360072  
Planning Code No. A3-01924-154-3  
Mount Joy Township, Adams County

Dear Mr. Klein:

Your permits are enclosed.

You must comply with all Standard and Special Conditions attached to these Permits. Construction must be done in accordance to the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

A Discharge Monitoring Report (DMR) and Supplemental Reporting Forms are included. These should be completed as instructed in the permit and Instruction Sheet.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

Mr. Richard Klein

- 2-

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

If you have any questions, please call Ms. Marie Bebenek of the Permits Section at 717-705-4814.

Sincerely,

A handwritten signature in black ink, appearing to read "Leon M. Oberdick". The signature is written in a cursive style with a large, prominent "O" at the end.

Leon M. Oberdick  
Program Manager  
Water Management Program

Enclosures

cc: Joseph McDowell, Martin and Martin, Inc.



WATER MANAGEMENT PERMIT  
the Links at Gettysburg Utility Company LLC  
Part II No. 0102404

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Mount Joy Township  
Adams County

SPECIAL CONDITIONS:

- A. The authority granted by this permit is subject to all effluent requirements, monitoring requirements, and other conditions as set forth in Parts A, B and C of the NPDES Permit No. PA 0246484 and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.
- B. Disclaimer
- Consistent with the Department of Environmental Protection's Application Review Policy for Water Management (Part II) Permits, the Department did not conduct a detailed technical review of this application. The Department considers Joseph McDowell, P.E., the registered professional engineer whose seal is affixed to the design documents, to be fully responsible for the adequacy of all aspects of the facility design.
- C. A Pennsylvania-registered Professional Engineer shall certify that construction of the sewage treatment and/or collection facilities was completed in accordance with the Part II application and design plans submitted to the Department, using the enclosed "Sewage and Industrial Wastewater Facilities Construction Certification" form. It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The facilities may not be placed into operation until the Professional Engineer completes the certification. The certification must be submitted to the Department within 30 days following startup of the facilities, along with as-built drawings, photographs (if available), and a description of any Department-approved deviations from the application and design plans.
- D. During construction, no changes affecting any engineering design parameter shall be made from the plans, designs, and other data herein approved unless the permittee shall first receive written approval thereof from the Department. The sewerage facilities shall be constructed under expert engineering supervision and competent inspection.
- E. Manhole inverts shall be so formed as to facilitate the flow of the sewage and to prevent the standing of sewage solids, and the whole manhole structure shall have proper structural strength and be so constructed as to prevent undue infiltration, entrance of the street wash or grit, and to provide convenient and safe means of access and maintenance.
- F. No storm water from pavements, area ways, roofs, foundation drains or other sources shall be admitted to the sanitary sewers herein approved.
- G. The herein approved sewers shall be maintained in good condition, kept free from deposits by flushing or other proper means of cleaning, and repaired when necessary.
- H. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to assure the proper mixing and water assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of navigable stream, provided that the permittee has secured an easement, right-of-way, license, or lease from the Department in accordance with Section 15 of the Dam Safety and Encroachment Act, the Act of November 26, 1978, P.L. 1375, as amended.

WATER MANAGEMENT PERMIT  
the Links at Gettysburg Utility Company LLC  
Part II No. 0102404

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Mount Joy Township  
Adams County

- I. 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 in, along, or across private property, with full rights of ingress, egress, and regress.
- J. When the herein approved sewage treatment works is completed and before it is placed in operation, the permittee shall notify the Department in writing so that an inspection of the works may be made by a representative of the Department.
- K. The various structures and apparatus of the herein approved sewage treatment works shall be maintained in proper condition so that the facility will individually and collectively perform the functions for which they were designed.
- L. 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 effluent from the said works ceases to be satisfactory or the sewerage facilities shall have created a public nuisance, then upon notice by the Department, the right herein granted 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.
- M. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper portions with air, and to the highly toxic character of certain gases arising from such digestion or from sewage in insufficiently ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion, or danger from toxic gases may occur, the permittee shall post conspicuously proper warnings of a permanent and legible character, and shall provide for the thorough instruction of all employees concerning these hazards and in first aid and emergency methods of meeting such hazards, and shall further provide, in a conveniently accessible place, all necessary equipment and material.
- N. Cross connections between the potable water supply and the sewerage system constitute a potential danger to the public health. Therefore, all direct and indirect connections whereby under normal or abnormal conditions the potable water supply may become contaminated from an inferior water supply from any unit of the sewage treatment works, or by any appurtenance thereof, or from any part of a sewerage system are hereby specifically prohibited. The permittee is further warned against permitting to be made permanent any temporary connection with a potable supply designed to be held in place while being used for flushing or other purposes, and is also cautioned against the danger of back siphonage through portable hose lines and similar avenues of possible contamination.
- O. This permit authorizes the construction and operation of the proposed sewerage facilities until such time as facilities for conveyance and treatment at a more suitable location are installed and are capable of receiving and treating the permittee's sewage. Such facilities must be in accordance with the applicable municipal official plan adopted pursuant to Section 5 of the Pennsylvania Sewerage Facilities Act, the Act of January 24, 1956, P.L. 1535, as amended. When such municipal sewerage facilities become available, the permittee shall provide for the conveyance of the sewage to these sewerage facilities, abandon the use of the herein approved facilities, and notify the Department accordingly. This permit shall then, upon notice from the Department, terminate and become null and void, and shall be relinquished to the Department.

WATER MANAGEMENT PERMIT  
the Links at Gettysburg Utility Company LLC  
Part II No. 0102404

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Mount Joy Township  
Adams County

- P. The permittee shall construct the sewerage facilities in a manner compatible with good conservation methods in order to minimize the adverse effect on the environment.
- Q. If future operations by the Commonwealth of Pennsylvania require modifications of the stream crossing and/or outfall, or there shall be unreasonable obstruction to the free passage of floods or navigation from the stream crossing and/or outfall, permittee shall remove or alter the structural work or obstruction without expense to the Commonwealth of Pennsylvania. If upon the revocation of the permit, the work shall not be completed, the permittee, at his own expense and in such time and manner as the Department may require, shall remove any or all portions of the incomplete work and restore the water-course to its former condition. No claims shall be made against the Commonwealth of Pennsylvania on account of any such removal or alteration.
- R. The sewage treatment plant shall be operated by an operator certified in accordance with the Sewage Treatment Plant and Waterworks Operators' Certification Act, the Act of November 18, 1968, P.L. 1217, as amended.
- S. Receipt of this permit does not relieve the permittee of its obligations to comply with all federal, interstate, state, or local laws, ordinances, and regulations applicable to the construction and operation of the sewerage facilities authorized herein. If the project involves earth moving activities, an erosion and sedimentation control plan must be prepared and implemented. Contact the county conservation district for specific requirements for your project.
- T. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, title easement, or interest in, on, to, or over any lands belonging to the Commonwealth.



COMMONWEALTH OF PENNSYLVANIA  
 DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 SOUTHCENTRAL REGIONAL OFFICE  
 WATER MANAGEMENT PROGRAM  
 909 ELMERTON AVENUE  
 HARRISBURG, PA 17110-8200

SEWAGE AND INDUSTRIAL WASTEWATER FACILITIES  
CONSTRUCTION CERTIFICATION

Permittee: The Links at Gettysburg Utility Company LLC

Address: 601 Mason Dixon Road, Gettysburg, PA 17325

Municipality: Mount Joy Township

County: Adams

I (We) hereby certify that the installation/construction of 60,000 gpd sewage treatment plant approved under Part II Permit No. 0102404, Auth. ID 380444, issued on OCT 31 2003 has been inspected and constructed in accordance with the plans and specifications approved by the Department.

**THE FOLLOWING INFORMATION MUST BE COMPLETED AND RETURNED TO THE PERMITS SECTION AT THE ABOVE ADDRESS WITHIN 30 DAYS OF COMPLETION OF THE PROJECT, ALONG WITH AS-BUILT DRAWINGS, PHOTOGRAPHS (IF AVAILABLE), AND A DISCUSSION OF ANY DEVIATIONS FROM THE DESIGN PLANS DURING CONSTRUCTION.**

Construction Completion Date (MM/DD/YYYY): \_\_\_\_\_

**Supervising Professional Engineer:**

Name: \_\_\_\_\_  
 (Please Print or Type)

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Title: \_\_\_\_\_

Firm or Agency: \_\_\_\_\_

Telephone: \_\_\_\_\_

**Permittee's Authorized Representative:**

Name: \_\_\_\_\_  
 (Please Print or Type)

Signature: \_\_\_\_\_

Title: \_\_\_\_\_

Telephone: \_\_\_\_\_

**Principal Operator Information (For Sewage Facilities):**

Name: \_\_\_\_\_  
 (Please Print or Type)

Certification Number (if applicable): \_\_\_\_\_

Class: \_\_\_\_\_

Type: \_\_\_\_\_

## TYPES OF DEP LICENSES / PERMITS

PLEASE NOTE: The numbers associated with these permits are strictly intended for the purposes of evaluating this survey. They are not to be considered the official number for each permit and are not to be used when requesting information on a permit that has been submitted or for receiving application materials for other permits.)

### AIR PLAN APPROVALS

- 100 Prevention of Significant Deterioration (PSD)
- 110 Major Source in Non-Attainment
- 120 New Source Performance Standard (NSPS)
- 130 Waste Incineration/Burning
- 140 General (Other)

### BLASTING

- 150 Blaster's License
- 160 Explosives Storage Permit
- 170 Explosives Purchase/Sale Permit

### MISCELLANEOUS

- 180 Earth Disturbance Permit

### HAZARDOUS WASTE

- 190 Storage Facility Permit
- 200 Waste Piles Permit
- 210 Landfill Permit
- 220 Incinerator Permit
- 230 Chem/Phys/Bio Treatment Permit
- 240 Surface Impoundment Permit
- 250 Land Treatment Permit
- 260 Thermal Treatment Permit
- 270 Transporter License
- 280 Commercial Treatment/Disposal

### INDUSTRIAL WASTE/WATER

- 290 NPDES (Part 1) Permit
- 300 Water Quality Management (Part 2)

### INFECTIOUS & CHEMOTHERAPEUTIC WASTE

- 310 Transporter License

### MINING

- 320 Letter of Authorization
- 330 Equipment Approval
- 340 Noncoal Mining Activity Permit
- 350 Refuse Bank Reprocessing Permit
- 360 Surface Coal Mining Permit
- 370 Underground Coal Mining Permit
- 380 Coal Prep Plant Permit
- 390 Coal Refuse Disposal Permit
- 400 Coal Surface Mining License
- 410 Noncoal Surface Mining License
- 420 Coal Extraction
- 430 Incidental Extraction

### RADIATION

- 440 Radioactive Material License

### SEWAGE

- 450 Planning Approval/Base Planning
- 460 Planning Approval/New Land Development
- 470 NPDES Part 1 for Sewage
- 480 Water Quality Management Part 2 Permit

### MUNICIPAL/RESIDUAL WASTE

- 490 Residual Waste Processing and/or Disposal Permit
- 500 Municipal Waste Landfill Permit
- 510 Construction/Demolition Waste Landfill Permit
- 520 Incineration/Resource Recovery Facility Permit
- 530 Agricultural Utilization of Sewage Sludge Facility Permit
- 540 Demonstration Facility Permit
- 550 Land Reclamation of Sewage Sludge Facility Permit
- 560 Land Disposal of Sewage Sludge Facility Permit
- 570 Transfer Facility Permit
- 580 Municipal Waste Processing Facility Permit
- 590 Compost Facility Permit

### OIL AND GAS WELLS

- 600 Oil and Gas Well Permit
- 610 Oil and Gas Well Registration
- 620 Oil and Gas Well Bond
- 630 Oil and Gas Well Coal Pillar Permit
- 640 Orphan Well Classification
- 650 Oil and Gas NPDES Permit Part 1/GP
- 660 Clean Streams Law Part 2 Permit

### PUBLIC WATER SUPPLY

- 670 Public Water System Permit - Community Water System
- 680 Public Water System Permit - Bottled or Vended System
- 690 Public Water System Permit - Bulk Water Haulers
- 700 Non-Community Water System Approval
- 710 Non-Community Water System Permit
- 720 Water Allocation Permit

### WATERWAY ACTIVITIES

- 730 Water Obstruction/Encroachment Permit

We are looking for ways to improve our service to the public and the regulated community. Please take a few moments to respond to the following questions and statements about your recent experience in applying for a permit. Your comments and recommendations are important to us. A postage-paid return envelope is enclosed for your use. If you have any questions regarding this questionnaire, please call the Office of Manager and Technical Services at (717) 787-7116. We thank you for providing us with this information.

**DEPARTMENT OF ENVIRONMENTAL PROTECTION LICENSING/PERMIT QUESTIONNAIRE**

1. For what type of license or permit did you apply? Please see the reverse for license/permit types and enter the number that precedes the appropriate permit type. # \_\_\_\_\_
2. Are you the  Applicant  Consultant
3. Was the permit application prepared by the  Applicant  Consultant  Both
4. Please indicate the county in which the facility or activity exists. \_\_\_\_\_ County
5. How long did it take to get your license/permit? Please specify \_\_\_\_\_
6. Do you think this was  Too Long  Reasonable  Faster Than Expected
7. Were you informed of the Department's Money-Back Guarantee Program  Yes  No  
 If yes, how?  Fact Sheet  Direct Communication  
 Web Site  Other (Explain)
8. Did the permit meet the money-back permit timeframe deadlines?  Yes  No
9. Rate your overall satisfaction with the Money-Back Guarantee Program.  
 Very Satisfied  Satisfied  Dissatisfied  Very Dissatisfied  
 1  2  3  4
10. Did you have to resubmit or revise your application?  Yes  No  
 If yes, why?  Administratively Incomplete  Technically Incomplete  
 Administrative Errors  Technical Errors  Other (Explain)
11. During the Department's review of your application, did you have to supply additional information?  
 Yes  Number of Time  No
12. Did you attend a pre-application conference with DEP?  Yes  No
13. Did DEP staff visit the site or facility during the course of the permit review?  
 Yes  Number of Visits  No  Unknown
14. Had you previously applied for any DEP permit?  Yes  No
15. Do you plan to apply for other DEP permits in the future?  Yes  No

The following set of statements concern your feelings about certain aspects of DEP's permitting process. Please circle the one response that best describes your feelings.

16. The Department provides a reasonable explanation of all administrative requirements of the application.  
 Strongly Agree  Agree  Disagree  Strongly Disagree   
 1  2  3  4
17. The Department provides a reasonable explanation of all technical requirements of the application.  
 Strongly Agree  Agree  Disagree  Strongly Disagree   
 1  2  3  4
18. DEP staff presented a professional appearance when performing on-site visits or meetings.  
 Strongly Agree  Agree  Disagree  Strongly Disagree   
 1  2  3  4
19. I was treated courteously and professionally by DEP staff.  
 Strongly Agree  Agree  Disagree  Strongly Disagree   
 1  2  3  4
20. The Department performed professionally in processing this application.  
 Strongly Agree  Agree  Disagree  Strongly Disagree   
 1  2  3  4
21. If you or your company do business throughout Pennsylvania, do you find that the different DEP regional offices are generally consistent in their requirements and procedures for permits?  
 Yes  Usually  Seldom  Never   
 1  2  3  4
22. If you or your company do business outside of Pennsylvania, how does DEP's service compare with that of regulatory bodies in other states?  
 Better  Roughly Equal  Slightly Worse  Much Worse   
 1  2  3  4
23. Do you have suggestions for improvements to the licensing or permit application process? If yes, please attach them to this survey.

**Respondent's Name:**  
**David C. McIntyre**  
**Manager New Business and Contract Operations**  
**Aqua Pennsylvania Wastewater, Inc.**  
**August 3, 2022**

**BUREAU OF TECHNICAL UTILITY SERVICES**  
**WATER/WASTEWATER INDUSTRY GROUP**  
**Aqua Pennsylvania Wastewater, Inc.**  
**Docket No. A-2022-3031502**  
**Data Request A-11**

**A-11 The Application at Page 4 indicated that the Builder retained an engineer to complete the wastewater plant expansion (Links WWTP Expansion), and to prepare and submit a WQM Part II application to DEP. Please clarify if a separate WQM Permit will be required for the construction of the collection system within the requested service territory and identify the timeline and entity responsible for obtaining this WQM Permit, if necessary.**

**Response: If DEP informs APW that a WQM Permit will be required for the entire Links of Gettysburg collection system, then the WQM application will be assembled and submitted by Aqua with the Builder bearing the cost for that application.**

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**Aqua Pennsylvania Wastewater, Inc.**  
**Docket No. A-2022-3031502**  
**Data Request A-12**

**A-12 The Application at Page 4 also indicated the preliminary estimated cost of the Links WWTP Expansion is \$1,400,000. Please describe the expansion project scope of work and provide a detailed breakdown of the estimated cost of the Links WWTP Expansion by major plant category and identify the components of the Links WWTP proposed to be upgraded or constructed to handle anticipated additional flows.**

**Response: The expansion is broken down by:**

**Treatment and Disposal Equipment: \$650,000**  
**Power and Generation Equipment: \$255,000**  
**Pump Equipment: \$295,000**  
**Communication Equipment: \$146,000**  
**Exterior Improvements: \$54,000**

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**Aqua Pennsylvania Wastewater, Inc.**  
**Docket No. A-2022-3031502**  
**Data Request A-13**

**A-13 The Application's Attachment G consisted of a copy of a Standard Form of Aqua's Builder's Extension Agreement which included an Attachment C "Preliminary Cost Estimate for Extension Project." Please provide a pro forma copy of Attachment C identifying the estimated values for the subparts a. through d. which identify the construction cost to Builder, Aqua administration fee, Aqua value-added fee, and Total Project Cost to Builder, estimated values for the subparts listed.**

**Response: Probable project costs provided by Engineer. 75% / 25% allocation of installation / material costs. Aqua fees based on 4,844 total footages of main.**

**Attachment C**

**Preliminary Cost Estimate for Extension Project**

**Summary of Builder's Costs:**

**a. Construction Cost to Builder:**

Material:	\$251,750.00
Installation:	\$755,250.00
Restoration:	\$00.00

**Builder's Construction Sub-total: \$1,007,000.00**

**b. Aqua Administration Fee \$22,806.00**

**c. Aqua Value-added Fee \$17,921.00**

**Administrative / Value Added Sub-total: \$40,727.00**

**d. Total Project Cost to Builder: \$1,047,727.00**

**Respondent's Name:**  
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**August 3, 2022**

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**WATER/WASTEWATER INDUSTRY GROUP**  
**Aqua Pennsylvania Wastewater, Inc.**  
**Docket No. A-2022-3031502**  
**Data Request A-14**

**A-14 The Application's Attachment I consisted of a copy of a Standard Form of Aqua's Builder's Wastewater Treatment Facilities Expansion Agreement which included an Attachment C "Preliminary Cost Estimate for Extension Project." Please provide a pro forma copy of Attachment C identifying the estimated values for the subparts a. through d. which identify the construction cost to Builder, Aqua administration fee, Aqua value-added fee, and Total Project Cost to Builder, estimated values for the subparts listed.**

**Response: Probable project costs provided by Engineer are provided below.**

**Attachment C**

**Preliminary Cost Estimate for Extension Project**

**Summary of Builder's Costs:**

<b>a. Construction Cost to Builder:</b>		<b>\$1,400,000.00</b>
<b>b. Aqua Administration Fee</b>	<b>\$60,350.00</b>	
<b>c. Aqua Value-added Fee</b>	<b>\$98,200.00</b>	
<b>Administrative / Value Added Sub-total:</b>		<b>\$157,300.00</b>
<b>d. Total Project Cost to Builder:</b>		<b>\$1,557,300.00</b>

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**Aqua Pennsylvania Wastewater, Inc.**  
**Docket No. A-2022-3031502**  
**Data Request A-15**

**A-15 Please quantify any un-reimbursable expenses APW will incur as a result of entering the proposed Standard Form of Aqua's Builder's Extension Agreement, and separately, those resulting from entering the proposed Standard Form of Aqua's Builder's Wastewater Treatment Facilities Expansion Agreement.**

**Response: Aqua will not incur any un-reimbursable expenses as the result of entering into either of the two above referenced agreements. All costs are 100% the responsibility of the Builder.**

**Respondent's Name:**  
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**Aqua Pennsylvania Wastewater, Inc.**  
**Docket No. A-2022-3031502**  
**Data Request A-16**

**A-16 Please provide and updated estimate of annual revenue from providing wastewater service within the requested service territory using APW's current Rate Zone 3 rates identified in its effective tariff.**

**Response: The updated annual revenue is calculated below:**

**Residential Homes – 5/8” water meter**

Monthly Flow / Home:	6,300 gallons
Monthly Base Rate:	\$66.37
Consumption Charge: <sup>1</sup>	\$77.26
Total Monthly Bill:	\$143.63
Total Annual Bill:	\$1,723.60
Number of units:	99
<b>Total Wade Run Residential Billing:</b>	<b>\$170,636.24</b>

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**Hotel & Event Center – 2” water meter**

Monthly Flow:	165,000 gallons
Monthly Base Rate:	\$521.60
Consumption Charge: <sup>2</sup>	\$1,987.92
Total Monthly Bill:	\$2,509.52
<b>Total Annual Bill:</b>	<b>\$30,114.24</b>

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<sup>1</sup> \$12.585 / 1,000 gallons

<sup>2</sup> \$12.048 / 1,000 gallons

**Respondent's Name:**  
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**Aqua Pennsylvania, Inc.**  
**August 3, 2022**

**BUREAU OF TECHNICAL UTILITY SERVICES**  
**WATER/WASTEWATER INDUSTRY GROUP**  
**Aqua Pennsylvania, Inc.**  
**Docket No. A-2022-3031498**  
**Data Request A-17**

**A-17 Please explain how approval of the Application would benefit existing Aqua customers.**

**Response:** As offered in the Application, approval of this Application is necessary and proper because there is a need for public wastewater service in the Requested Territory, and the Applicant is fit to provide that service. Aqua will also expand its customer base through this territory expansion thereby allowing operating costs to be shared among more customers which will benefit Aqua's existing customers.

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**Respondent's Name:**  
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**Manager New Business and Contract Operations**  
**Aqua Pennsylvania, Inc.**  
**August 3, 2022**

**BUREAU OF TECHNICAL UTILITY SERVICES**  
**WATER/WASTEWATER INDUSTRY GROUP**  
**Aqua Pennsylvania, Inc.**  
**Docket No. A-2022-3031498**  
**Data Request A-18**

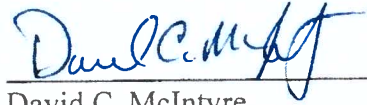
**A-18 Please explain how approval of the Application would be in the public interest.**

**Response:** As offered in the Application, approval of this Application is necessary or proper for the wastewater service, accommodation, convenience and safety of the public. There is, moreover, a need for service in the Requested Territory and Aqua is fit to provide the service. More specifically, Aqua received a request to provide public wastewater service to a new development area that is contiguous to Aqua's existing Links of Gettysburg System and service territory. Providing public sewer service is in the best interest for the development and surrounding area for both long term environmental and health reasons. Aqua is in the business to provide such service and offers its service based on its ability to provide the requested service.

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## VERIFICATION

I, David C. McIntyre, Manager New Business of Aqua Pennsylvania Wastewater, Inc. hereby state that the facts set forth concerning Aqua Pennsylvania, Inc. in its Responses to the Bureau of Technical Utility Services Data Request Set 1, Nos. A-1 through A-18, are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa.C.S. §4904 (relating to unsworn falsification to authorities).



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David C. McIntyre  
Manager, New Business

Dated: August 3, 2022