

CARROLL VALLEY SEWER AND WATER AUTHORITY

REGULAR MEETING

MONDAY, FEBRUARY 28, 2022– 7:00 P.M.

AGENDA

N. Kenneth Lundberg, Chairman, presiding

Roll Call

1. Approval of Minutes of the September 27, 2021 Regular Meeting
2. Open to the Public
3. Administrative Business
 - A. Chapter 94 Report
 - B. Resolution 1-2022: Dissolution and Termination of the Carroll Valley Sewer & Water Authority
 - C. Sanders Road Pump Station Project – Phase 1
 - D. Sewer Treatment Plant Upgrade – Phase 2
 - E. Approval of Financial Reports
 - F. Approval of Expenditures
4. Adjournment

Carroll Valley Sewer & Water Authority

ADAMS COUNTY, PA

MUNICIPAL WASTELOAD MANAGEMENT

CHAPTER 94

ANNUAL REPORT- CALENDAR YEAR 2021

February 2022



WM. F. HILL & ASSOCIATES.

PROFESSIONAL ENGINEERS

CIVIL ♦ MUNICIPAL ♦ ENVIRONMENTAL

207 Baltimore Street
Gettysburg, Pennsylvania 17325
(717) 334 – 9137

**CARROLL VALLEY SEWER & WATER AUTHORITY
MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT
2021**

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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:	Carroll Valley Sewer & Water Authority	Permit No.:	PA0080039
Mailing Address:	5685 Fairfield Road	Effective Date:	March 1, 2020
City, State, Zip:	Fairfield, PA 17320	Expiration Date:	February 28, 2025
Contact Person:	Kenneth Lundberg	Renewal Due Date:	September 1, 2024
Title:	Chairman	Municipality:	Carroll Valley Borough
Phone:	(717) 642-8269	County:	Adams County
Email	manager@carrollvalley.org	Consultant Name:	Wm. F. Hill & Assoc., Inc.
CHAPTER 94 REPORT COMPONENTS			
<p>1. Attach to this report a line graph depicting the monthly average flows (expressed in MGD) for each month for the past 5 years and projecting the flows for the next 5 years. The graph must also include a line depicting the hydraulic design capacity per the WQM permit. (25 Pa. Code § 94.12(a)(1))</p> <p>Check the appropriate boxes:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Line graph for flows attached <input checked="" type="checkbox"/> DEP Chapter 94 Spreadsheet used (Attachment) <input type="checkbox"/> Section 1 is not applicable (report is for a collection system). 			
<p>2. Attach to this report a line graph depicting the monthly average organic loads (express as lbs BOD5/day) for each month for the past 5 years and projecting the organic loads for the next 5 years. The graph must also include a line depicting the organic design capacity of the treatment plant per the WQM permit. (25 Pa. Code § 94.12(a)(2))</p> <p>Check the appropriate boxes:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Line graph for organic loads attached <input checked="" type="checkbox"/> DEP Chapter 94 Spreadsheet used (Attachment) <input type="checkbox"/> 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))

Typically, there are minimal connections each year in the existing service area. Projections are based on 2 or 3 EDU's per year.

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

Check the appropriate boxes:

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

Comments:

There have been no new sewer extensions in the past year.

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))

The Carroll Valley Sewer & Water Authority's sanitary sewer collection system consists of gravity sewers, laterals, and two pumping stations. A comprehensive collection system maintenance program has been developed by the operating personnel at the wastewater treatment facility, including manhole inspections and video inspection of the collection lines. Infiltration and Inflow (I/I) which normally tends to plague a sanitary collection system continues to be a problem with the Carroll Valley system. Identified leaks of ground or stormwater into the sanitary sewer lines are repaired. A significant leak was repaired in 2021.

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

Check the appropriate boxes:

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

Comments:

See attached report on sanitary sewer overflow on Sept. 1, 2021, that was reported to PA DEP.

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

The Sanders Road Pumping Station was substantially completed in January, 2022 .

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

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

Check the appropriate boxes:

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

9. Existing or Projected Overload.

Check the appropriate boxes:

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

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

- Corrective Action attached (**Attachment 1**)
See Attached

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 2**)

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

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

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

- Flow calibration report attached (**Attachment 3**)

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).

Name of Responsible Official

Signature

(717) 642-8269

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).

William F. Hill, P.E.

Name of Preparer

Signature

(717) 334-9137

Telephone No.

Date

Reporting Year:

Facility Name:

Permit No.:

Persons/EDU:

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

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

Monthly Average Flows for Past Five Years (MGD)

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

Month	2017	2018	2019	2020	2021
January	0.157	0.153	0.141	0.115	0.103
February	0.127	0.165	0.137	0.118	0.117
March	0.127	0.13	0.124	0.102	0.125
April	0.127	0.105	0.109	0.101	0.104
May	0.153	0.117	0.125	0.118	0.085
June	0.153	0.115	0.088	0.082	0.088
July	0.115	0.152	0.091	0.074	0.079
August	0.113	0.132	0.072	0.071	0.08
September	0.099	0.209	0.073	0.072	0.129
October	0.115	0.105	0.077	0.071	0.1
November	0.116	0.152	0.084	0.074	0.092
December	0.117	0.143	0.098	0.114	0.088

Month	2017	2018	2019	2020	2021
January	288	253	398	190	155
February	318	160	193	270	185
March	273	188	149	286	208
April	270	227	137	175	150
May	237	194	183	101	129
June	240	169	259	109	141
July	182	285	151	106	158
August	181	215	125	117	92
September	216	140	147	84	109
October	243	182	162	119	101
November	131	158	202	115	151
December	178	122	264	179	109

Annual Avg	0.127	0.14	0.102	0.093	0.099
Max 3-Mo Avg	0.144	0.164	0.145	0.112	0.115
Max : Avg Ratio	1.13	1.17	1.42	1.20	1.16
Existing EDUs	509.0	509.0	510.0	510.0	516.0
Flow/EDU (GPD)	249.5	275.0	200.0	182.4	191.9
Flow/Capita (GPD)	99.8	110.0	80.0	72.9	76.7
Exist. Overload?	NO	NO	YES	NO	NO

Annual Avg	230	191	198	154	141
Max Mo Avg	318	285	398	286	208
Max : Avg Ratio	1.38	1.49	2.02	1.85	1.48
Existing EDUs	509	509	510	510	516
Load/EDU	0.451	0.375	0.387	0.302	0.273
Load/Capita	0.181	0.150	0.155	0.121	0.109
Exist. Overload?	NO	NO	YES	NO	NO

Projected Flows for Next Five Years (MGD)

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

	2022	2023	2024	2025	2026
New EDUs	2.0	2.0	2.0	2.0	2.0
New EDU Flow	0.0004	0.0004	0.0004	0.0004	0.0004
Proj. Annual Avg	0.113	0.1134	0.1138	0.1142	0.1146
Proj. Max 3-Mo Avg	0.138	0.138	0.139	0.139	0.14
Proj. Overload?	NO	NO	NO	NO	NO

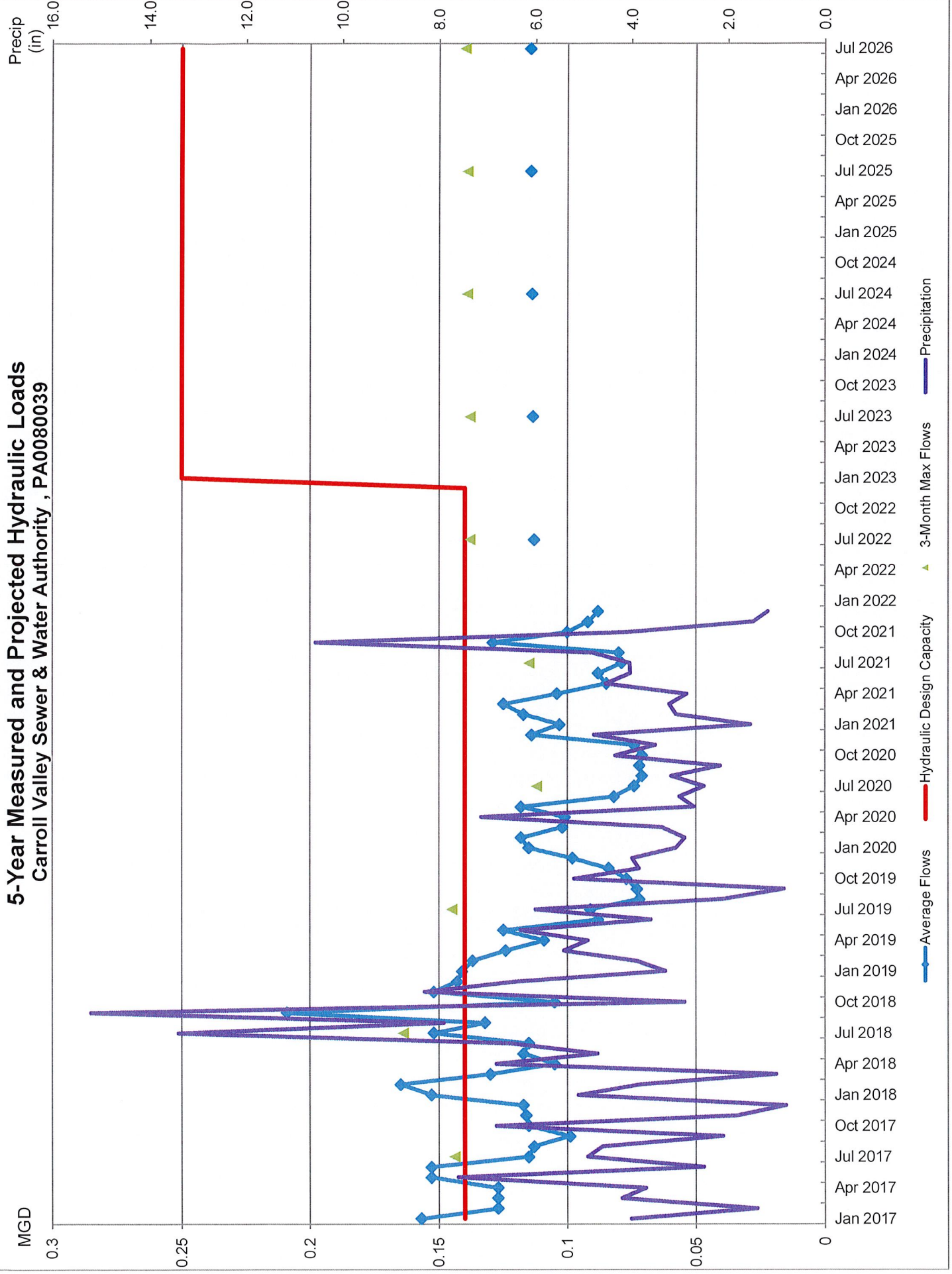
	2022	2023	2024	2025	2026
New EDUs	2	2	2	2	2
New EDU Load	0.716	0.716	0.716	0.716	0.716
Proj. Annual Avg	183	184	185	186	186
Proj. Max Avg	302	303	304	305	306
Proj. Overload?	NO	NO	NO	NO	NO

Show Precipitation Data on Hydraulic Graph?

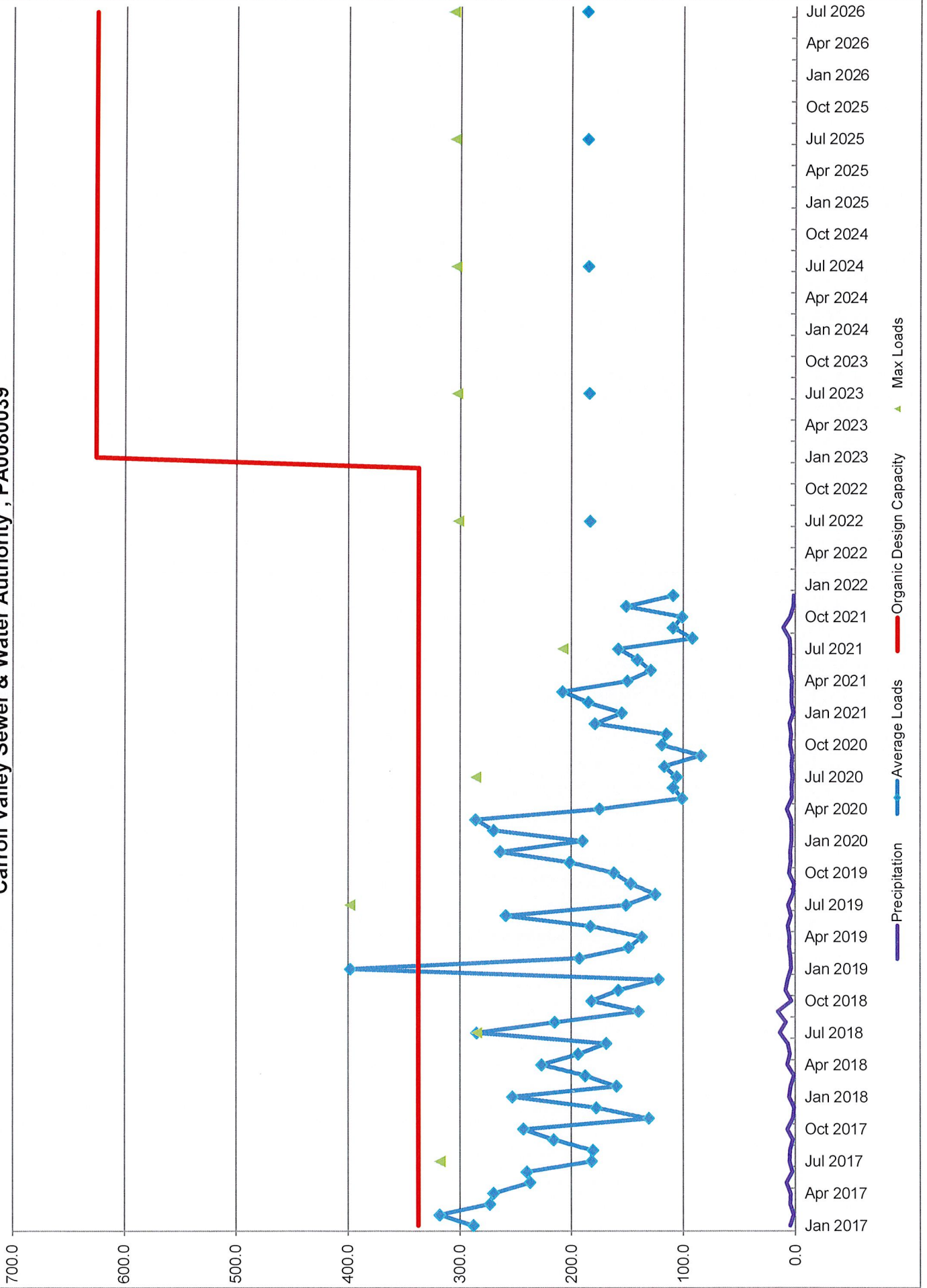
Total Monthly Precipitation for Past Five Years (Inches)

Month	2017	2018	2019	2020	2021
January	4.0	5.1	3.3	3.09	1.54
February	1.4	3.8	3.9	2.9	3.08
March	4.2	1.0	5.4	3.38	3.22
April	3.7	6.8	4.9	7.12	2.86
May	7.6	4.7	6.3	2.71	4.54
June	2.5	6.5	3.6	3.01	4.03
July	4.9	13.4	6.0	2.5	4.04
August	4.6	7.9	2.1	3.18	4.83
September	2.1	15.2	0.84	2.16	10.55
October	6.8	2.9	5.19	4.34	4.09
November	1.8	8.3	3.84	3.51	1.48
December	0.8	6.4	3.99	4.78	1.18

5-Year Measured and Projected Hydraulic Loads Carroll Valley Sewer & Water Authority , PA0080039



5-Year Measured and Projected Organic Loads Carroll Valley Sewer & Water Authority, PA0080039



CARROLL VALLEY SEWER & WATER AUTHORITY

NPDES Permit PA 0080039

September 1st 2021 SSO Report / Corrective Action

Reported Sanitary Sewer Overflow:

On September 1, 2021, at approximately 1500 hours and SSO incident happened. Due to severe down pours in excess of 1" per hour cause sever flooding in the Carroll Valley wastewater collection system. The sewage pump station was not able to keep up with the flows. At 1321 hours keystone pump and power was called for an emergency back up pump due to forecasted rain fall. DEP Sanitarian Brandon Bettinger was contacted at 1516 hours and informed of the situation. The pump arrived at 1519 hours and was set up and put into service. At 1551 hours the SSO subsided and ended. DEP Sanitarian Brandon Bettinger was contacted again at this time to report progress of the situation. Total rainfall for the area in 24 hours was 5.71"

Corrective Action:

In 2021, Carroll Valley Sewer & Water Authority was in the construction phase for a New Wastewater Pumping Station that is designed to be able to handle increased flows. The New Pumping Station was placed in operation in January, 2022. The Design Capacity is 450 GPM.

A significant sanitary sewer repair was made on August 3, 2021, located on Trout Run Trail, a 20 ft. section of sanitary sewer with a sag and a broken lateral were repaired. The prior leak was estimated to be 10 GPM.

To also help further aid in future events the flooded manholes will have new gaskets installed on the watertight seals.

The Authority will continue to televise and clean sanitary sewers, to identify problem areas that may need repair.

Jed Fetter

Borough of Carroll Valley Wastewater Operator

SLUDGE GENERATION CALCULATION

Facility Name: Carroll Valley Sewer & Authority WWTF

Permit Number: PA0080039

Date of Calculation: 2/18/2022

Required Information For Calculation

Average Daily Flow (mgd): 0.099
Influent BOD (mg/l): 184.5
Effluent BOD (mg/l): 3.75
Digester Capacity (gal): 30,000
%Solids of Outgoing Sludge: 2.73
Monitoring Period (days): 365

Wastewater Treatment Processes

Place an "X" in the box beside the corresponding treatment process. Select a maximum of Primary Clarification and one other treatment process.

Primary Clarification []
Contact Stabilization []
RBC []
Conventional Activated Sludge []
SBR []
ABF []
Extended Aeration [X]
Trickling Filter []
Small Plant with low SOR [] (<500 gpd/sq ft)

Operational Information

BOD Removed (lbs/day): 149
TSS Removed (lbs/day): 97

Digester Information

Type of Digester

Place an "X" in the box beside the corresponding treatment process.

Aerobic Digestion []
Anaerobic Digestion []
None [X]

Sludge Feed Rate to Digesters (gpd): 1550.835
Digester Hydraulic Detention Time (days): 19
Estimated Total Solids Reduction (%): 0

Sludge Generation

dry lbs/day: 97
wet lbs/day: 3553
dry tons/monitoring period: 18
wet tons/monitoring period: 648
gal/day: 426
gal/monitoring period: 155510

Amount of Sludge Reported as Being Generated by the Facility

wet tons/monitoring period: []
OR
dry tons/monitoring period: 22.1

Enter only one of the above values. The remaining value should be "0".

Is the amount reported by the generator within 15% of the calculated value? NO

NO explanation: GREATER THAN 15% RANGE

What type of information was used to calculate the above information: DMRs and Operator's Data Log

Dates used: 1/1/2021 TO 12/31/2021

Name of person performing the calculation: William F. Hill, P.E.



Control Systems 21
 713 Range End Rd
 Dillsburg, PA 17019
 Office: 717-432-5511
 Fax: 717-432-7550
 www.controlsystems21.com

SERVICE REPORT - Wednesday, June 02, 2021 11:24:13 AM (CONTROL SYSTEMS)

User Name	CONTROL SYSTEMS
User #	1
Form Started	6/2/2021 11:24:13 AM
Form Submitted	6/2/2021 11:25:34 AM
Date:	Wednesday, June 02, 2021
Service Invoice #:	N/A
Customer Name:	Carroll Valley WWTP
Is Job# Needed or Associated With This Visit?	No
Is Confined Space Report Required?	No
Customer Email	ganderson@controlsystems21.com,jfetter@carrollvalley.org
Technicians:	Galen Anderson
Reason For Visit	Service Call
Parts/Materials Used:	
Parts/Materials Needed:	
Repair Needed:	
Quote Needed:	
Job Complete?	Yes
Description Of Work Performed:	Routine service and calibration of the following: influent flow meter and influent recorder. The preceding have been serviced, calibrated and are functioning properly at this time.
Customer Signature:	N/A
Next Due Date	Thursday, June 30, 2022

CARROLL VALLEY SEWER AND WATER AUTHORITY

RESOLUTION 2022-01

A RESOLUTION OF THE CARROLL VALLEY SEWER AND WATER AUTHORITY AUTHORIZING AND CONSENTING TO THE DISSOLUTION AND TERMINATION OF THE CARROLL VALLEY SEWER AND WATER AUTHORITY BY THE BOROUGH OF CARROLL VALLEY

WHEREAS, on May 16, 1977, the Borough of Carroll Valley, Adams County, Pennsylvania (the “Borough”), filed a Certificate of Incorporation with the Commonwealth of Pennsylvania Department of State establishing the Sewer Authority of the Boro of Carroll Valley, Adams Co., PA. (the “Authority”) pursuant to the Municipality Authorities Act of 1945, May 2, 1945, P.L. 382 as amended (the “Act”); and

WHEREAS, on March 20, 1987, a Certificate of Amendment was filed with the Commonwealth of Pennsylvania Department of State changing the name of the Authority to the Carroll Valley Sewer and Water Authority; and

WHEREAS, the Authority was established for the purpose of operating public sanitary sewer and water systems in the Borough (the “Project”); and

WHEREAS, the Authority wishes to consent to the termination of its existence and to take such actions as are required to effectuate such termination, pursuant to section 5619(c) of the Municipality Authorities Act, 53 Pa. C.S. § 5619(c); and

WHEREAS, prior to the final dissolution the Authority will finally pay and discharge all bonds with interest due in accordance with sections 5619(a) and (b) of the Municipality Authorities Act, 53 Pa. C.S. §§ 5619(a), (b); and

WHEREAS, the Authority wishes to convey its property, assets, and the Project to the Borough, in accordance with the Act.

NOW THEREFORE, BE IT RESOLVED AND ADOPTED, and it is hereby resolved and adopted by Carroll Valley Sewer and Water and Authority, Adams County, Commonwealth of Pennsylvania:

1. The Authority hereby authorizes the Board of the Authority and its agents to take such actions necessary to effectuate the dissolution and termination of the Authority.
2. The Authority hereby authorizes the Board of the Authority and its agents to take such actions necessary to transfer the Project and all property and assets of the Authority to the Borough.

3. The Authority hereby authorizes submission of a certificate requesting termination of the Authority to the Borough (the "Certificate of Termination"), which Certificate of Termination shall be in substantially similar form to the document attached hereto as Exhibit "A", or in such other form as required by the Secretary of the Commonwealth of Pennsylvania.

DULY RESOLVED, by the Board of the Carroll Valley Sewer and Water Authority this _____ day of _____ 2022.

ATTEST:

CARROLL VALLEY SEWER AND
WATER AUTHORITY

BY: _____
N. Kenneth Lundberg, Chairman

APPROVED this _____ day of _____, 2022:

Exhibit A

Filed in the Department of State on:

Secretary of the Commonwealth

**CERTIFICATE OF TERMINATION
CARROLL VALLEY SEWER AND WATER AUTHORITY**

In accordance with the requirements of 53 Pa. C.S. § 5619(c), the Carroll Valley Sewer and Water Authority, pursuant to Resolution 2022-01 adopted by the Board of the Authority on _____, 2022, hereby requests the termination of its existence and submits this Certificate to the Borough of Carroll Valley for its approval by resolution or ordinance. The Authority certifies that it has finally paid and discharged all bonds issued and outstanding and the interest due on them and settled all other outstanding claims against it. The Authority was formed under the Act of May 2, 1945, P.L. 382, known as the “Municipality Authorities Act of 1945”, as amended and supplemented. The original Articles of Incorporation were approved and filed on May 16, 1977.

As provided in 53 Pa. C.S. § 5619(c), if the Borough of Carroll Valley approves this Certificate, it shall be filed in the office of the Secretary of the Commonwealth, who shall note the termination of existence on the record of incorporation and return the Certificate with approval to the Authority, which shall then record the Certificate in the office of the recorder of deeds of Adams County. Upon recording, the property of the Authority shall pass to the Borough of Carroll Valley.

IN WITNESS WHEREOF, the Carroll Valley Sewer and Water Authority has caused this Certificate to be executed by its duly authorized officers under the seal of the Authority, this _____ day of _____ 2022.

ATTEST:

CARROLL VALLEY SEWER AND
WATER AUTHORITY

BY: _____
N. Kenneth Lundberg, Chairman

BOROUGH OF CARROLL VALLEY
SEWER AND WATER AUTHORITY
MONTHLY FINANCIAL REPORT
AS OF SEPTEMBER 30, 2021

Balance as 8/31/2021			
Checking Account		\$ 3,985.52	
Investments		\$ 64,925.48	
Holding Tank Capital Reserve		\$ 191,927.52	
Petty Cash		\$ 50.00	
Prepaid Permit Fee		\$ -	
Total			\$ 260,888.52
Monthly Receipts			
Interest Earnings	\$ 43.27		
Lease Rental Income			
Transfers from San. Sewer Fund	\$ 727.19		
AP			
Construction Assessments			
Sanitation			
Miscellaneous - Tapping Fees			
Transfer from CR			
Proceeds from Loan	\$ -		
Total Receipts			\$ 770.46
Monthly Expenditures			
Engineering Services - Sewer			
Maintenance/Service/Repair			
Capital Construction: Project #1	\$ 10.00		
Capital Construction: Project #2			
Other Services and Charges			
Filing Fees			
Transfers to F&M	\$ -		
Miscellaneous	\$ -		
Total Expenditures			\$ 10.00
Balance as 9/30/2021			
Checking Account		\$ 3,975.52	
Investments		\$ 64,966.91	
Holding Tank Capital Reserve		\$ 192,656.55	
Petty Cash		\$ 50.00	
Prepaid Permit Fee		\$ -	
Total			\$ 261,648.98

STATUS OF OUTSTANDING DEBT TO DATE

Due to Borough of Carroll Valley	\$ 29,000.00
Due to SWA Cap Res Trust	\$ 23,077.00
Total Debt	\$ 52,077.00

BOROUGH OF CARROLL VALLEY
SEWER AND WATER AUTHORITY
MONTHLY FINANCIAL REPORT
AS OF OCTOBER 31, 2021

Balance as 9/30/2021			
Checking Account		\$ 3,975.52	
Investments		\$ 64,966.91	
Holding Tank Capital Reserve		\$ 192,656.55	
Petty Cash		\$ 50.00	
Prepaid Permit Fee		\$ -	
Total			\$ 261,648.98
Monthly Receipts			
Interest Earnings	\$ 29.22		
Lease Rental Income			
Transfers from San. Sewer Fund	\$ 854.73		
AP			
Construction Assessments			
Sanitation			
Miscellaneous - Tapping Fees			
Transfer from CR			
Proceeds from Loan	\$ -		
Total Receipts			\$ 883.95
Monthly Expenditures			
Engineering Services - Sewer			
Maintenance/Service/Repair			
Capital Construction: Project #1	\$ 846.63		
Capital Construction: Project #2			
Other Services and Charges			
Filing Fees			
Transfers to F&M	\$ -		
Miscellaneous	\$ -		
Total Expenditures			\$ 846.63
Balance as 10/31/2021			
Checking Account		\$ 3,128.89	
Investments		\$ 64,994.46	
Holding Tank Capital Reserve		\$ 193,512.95	
Petty Cash		\$ 50.00	
Prepaid Permit Fee		\$ -	
Total			\$ 261,686.30

STATUS OF OUTSTANDING DEBT TO DATE

Due to Borough of Carroll Valley	\$ 29,000.00
Due to SWA Cap Res Trust	\$ 23,077.00
Total Debt	\$ 52,077.00

BOROUGH OF CARROLL VALLEY
SEWER AND WATER AUTHORITY
MONTHLY FINANCIAL REPORT
AS OF NOVEMBER 30, 2021

Balance as 10/31/2021			
Checking Account		\$ 3,128.89	
Investments		\$ 64,994.46	
Holding Tank Capital Reserve		\$ 193,512.95	
Petty Cash		\$ 50.00	
Prepaid Permit Fee		\$ -	
Total			\$ 261,686.30
Monthly Receipts			
Interest Earnings	\$ 26.78		
Lease Rental Income			
Transfers from San. Sewer Fund	\$ 705.00		
AP			
Construction Assessments			
Sanitation			
Miscellaneous - Tapping Fees			
Transfer from CR			
Proceeds from Loan	\$ -		
Total Receipts			\$ 731.78
Monthly Expenditures			
Engineering Services - Sewer			
Maintenance/Service/Repair			
Capital Construction: Project #1			
Capital Construction: Project #2			
Other Services and Charges			
Filing Fees			
Transfers to F&M	\$ -		
Miscellaneous	\$ -		
Total Expenditures			
Balance as 11/30/2021			
Checking Account		\$ 3,128.89	
Investments		\$ 65,019.25	
Holding Tank Capital Reserve		\$ 194,219.94	
Petty Cash		\$ 50.00	
Prepaid Permit Fee		\$ -	
Total			\$ 262,418.08

STATUS OF OUTSTANDING DEBT TO DATE

Due to Borough of Carroll Valley	\$ 29,000.00
Due to SWA Cap Res Trust	\$ 23,077.00
Total Debt	\$ 52,077.00

BOROUGH OF CARROLL VALLEY
SEWER AND WATER AUTHORITY
MONTHLY FINANCIAL REPORT
AS OF DECEMBER 31, 2021

Balance as 11/30/2021			
Checking Account		\$	3,128.89
Investments		\$	65,019.25
Holding Tank Capital Reserve		\$	194,219.94
Petty Cash		\$	50.00
Prepaid Permit Fee		\$	-
Total			\$ 262,418.08
Monthly Receipts			
Interest Earnings	\$	26.65	
Lease Rental Income			
Transfers from San. Sewer Fund	\$	829.26	
AP			
Construction Assessments	\$	3,300.00	
Sanitation			
Miscellaneous - Tapping Fees	\$	23,745.00	
Transfer from CR			
Proceeds from Loan	\$	-	
Total Receipts			\$ 27,900.91
Monthly Expenditures			
Engineering Services - Sewer			
Maintenance/Service/Repair			
Capital Construction: Project #1			
Capital Construction: Project #2			
Other Services and Charges			
Filing Fees			
Transfers to F&M	\$	-	
Miscellaneous	\$	-	
Total Expenditures			
Balance as 12/31/2021			
Checking Account		\$	30,173.89
Investments		\$	65,043.26
Holding Tank Capital Reserve		\$	195,051.84
Petty Cash		\$	50.00
Prepaid Permit Fee		\$	-
Total			\$ 290,318.99

STATUS OF OUTSTANDING DEBT TO DATE

Due to Borough of Carroll Valley	\$	29,000.00
Due to SWA Cap Res Trust	\$	23,077.00
Total Debt	\$	52,077.00

BOROUGH OF CARROLL VALLEY
SEWER AND WATER AUTHORITY
MONTHLY FINANCIAL REPORT
AS OF JANUARY 31, 2022

Balance as 12/31/2021			
Checking Account		\$ 30,173.89	
Investments		\$ 65,043.26	
Holding Tank Capital Reserve		\$ 195,051.84	
Petty Cash		\$ 50.00	
Prepaid Permit Fee		\$ -	
Total			\$ 290,318.99
Monthly Receipts			
Interest Earnings	\$ 27.04		
Lease Rental Income			
Transfers from San. Sewer Fund	\$ 565.88		
AP			
Construction Assessments			
Sanitation			
Miscellaneous - Tapping Fees			
Transfer from CR			
Proceeds from Loan	\$ -		
Total Receipts			\$ 592.92
Monthly Expenditures			
Engineering Services - Sewer			
Maintenance/Service/Repair			
Capital Construction: Project #1			
Capital Construction: Project #2			
Other Services and Charges			
Filing Fees			
Transfers to F&M	\$ -		
Miscellaneous	\$ -		
Total Expenditures			
Balance as 1/31/2022			
Checking Account		\$ 30,173.89	
Investments		\$ 65,068.07	
Holding Tank Capital Reserve		\$ 195,619.95	
Petty Cash		\$ 50.00	
Prepaid Permit Fee		\$ -	
Total			\$ 290,911.91

STATUS OF OUTSTANDING DEBT TO DATE

Due to Borough of Carroll Valley	\$ 29,000.00
Due to SWA Cap Res Trust	\$ 23,077.00
Total Debt	\$ 52,077.00

BOROUGH OF CARROLL VALLEY
SEWER AND WATER AUTHORITY
MONTHLY FINANCIAL REPORT
AS OF FEBRUARY 28, 2022

Balance as 1/31/2022			
Checking Account		\$ 30,173.89	
Investments		\$ 65,068.07	
Holding Tank Capital Reserve		\$ 195,619.95	
Petty Cash		\$ 50.00	
Prepaid Permit Fee		\$ -	
Total			\$ 290,911.91
Monthly Receipts			
Interest Earnings	\$ 26.77		
Lease Rental Income			
Transfers from San. Sewer Fund	\$ 672.07		
AP			
Grant - Phase 1	\$ 236,157.00		
Sanitation			
Miscellaneous - Tapping Fees			
Transfer from CR			
Proceeds from Loan	\$ -		
Total Receipts			\$ 236,855.84
Monthly Expenditures			
Engineering Services - Sewer			
Maintenance/Service/Repair			
Capital Construction: Project #1	\$ 280,695.35		
Capital Construction: Project #2			
Other Services and Charges			
Filing Fees			
Transfers to F&M	\$ -		
Miscellaneous	\$ -		
Total Expenditures			\$ 280,695.35
Balance as 2/28/2022			
Checking Account		\$ 24,478.54	
Investments		\$ 26,249.90	
Holding Tank Capital Reserve		\$ 196,293.96	
Petty Cash		\$ 50.00	
Prepaid Permit Fee		\$ -	
Total			\$ 247,072.40

STATUS OF OUTSTANDING DEBT TO DATE

Due to Borough of Carroll Valley	\$ 29,000.00
Due to SWA Cap Res Trust	\$ 23,077.00
Total Debt	\$ 52,077.00

PA Municipal Code Alliance, Inc.

380 Wayne Avenue
 Chambersburg, PA 17201
 (717)496-4996
 pmca@pacodealliance.com

Invoice

Bill To

Carroll Valley Borough, Adams Co.
 5685 Fairfield Road
 Fairfield, PA 17320

Balance Due	\$846.63
--------------------	-----------------

Invoice #	Date	Due Date	Terms
35236	9/9/2021	10/9/2021	Net 30

PLEASE DETACH AND RETURN TOP PORTION WITH YOUR PAYMENT.

Permit Number
2021-2521C-ADA

Office Location
Chambersburg

Description	Qty	Rate	Amount
Municipality: Carroll Valley Borough ADA Site Address: 119A Sanders Road, Fairfield, PA 17320 Sanders Road Pump Station Improvements "Carroll Valley Sewer and Water Authority"			
Commercial Application Fee - UCC Related		75.00	75.00
Commercial Plan Review and Processing Fee		543.75	543.75
Commercial Inspection Fee		1,070.00	1,070.00
DCED State Fee		4.50	4.50
NOTE: Invoice reflects a 50% discount from the entire invoice for a total donation credit memo of \$846.62. Balance of \$846.63 reflects the net amount due to PMCA. (REVISED INVOICE)			
PA Sales Tax		6.00%	0.00

Make Checks Payable to: PMCA
 Invoice must be paid in full prior to legal occupancy.
 Accounts over 30 days will be assessed a 1.5% per month late fee.
 The charge for returned checks is currently \$50.

Total	\$1,693.25
Payments/Credits	-\$846.62
Balance Due	\$846.63

Contractor's Application for Payment No. 1

Application Period: 8/24/21 - 10/29/21		Application Date: 11/5/2021
To (Owner): Carroll Valley Sewer and Water Authority	From (Contractor): DOLI Construction Corporation	Via (Engineer): WM. F. Hill and Associates
Project: Sanders Rd Pump Station Improvements	Contract:	
Owner's Contract No.:	Contractor's Project No.:	Engineer's Project No.:

Application For Payment Change Order Summary

Approved Change Orders	Number	Additions	Deductions
TOTALS			
NET CHANGE BY			
CHANGE ORDERS			

1. ORIGINAL CONTRACT PRICE.....	\$	5548,758.00
2. Net change by Change Orders.....	\$	
3. Current Contract Price (Line 1 + 2).....	\$	5548,758.00
4. TOTAL COMPLETED AND STORED TO DATE (Column H on Progress Estimate).....	\$	5292,454.80
5. RETAINAGE:		
a. 5% X 5292,454.80 Work Completed.....	\$	514,622.74
b. X Stored Material.....	\$	
c. Total Retainage (Line 5a + Line 5b).....	\$	514,622.74
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5c).....	\$	5277,832.06
7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application).....	\$	
8. AMOUNT DUE THIS APPLICATION.....	\$	5277,832.06
9. BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above).....	\$	5270,925.94

Contractor's Certification

The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear of all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: [Signature] Date: 11/5/21

Payment of: \$ _____
(Line 8 or other - attach explanation of the other amount)

is recommended by: [Signature] 11/5/2021
(Engineer) (Date)

Payment of: \$ _____
(Line 8 or other - attach explanation of the other amount)

is approved by: _____
(Owner) (Date)

Approved by: _____
Funding Agency (if applicable) (Date)

Endorsed by the Construction Specifications Institute,
EJCDC C-620 Contractor's Application for Payment
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This document has been modified from its original form as an EJCDC document.

No.	Description	Unit Of Measure	Quantity	Unit Price	Total	% Complete / Quantity Installed	Total Earned
1	Mobilization, E&S, Demolition	LS	1	\$ 55,000.00	\$ 55,000.00	0.0	33,000.00
2	Demolition of existing Pump Station	LS	1	\$ 5,000.00	\$ 5,000.00	0	0.00
3	By-Pass pumping	LS	1	\$ 7,500.00	\$ 7,500.00	0	0.00
4A	Construct Pump Station Building	LS	1	\$ 243,258.00	\$ 243,258.00	0.6	145,954.80
4B	Pump Station Equipment Package	LS	1	\$ 185,000.00	\$ 185,000.00	0.6	99,000.00
4C	Force Main Installation	LS	1	\$ 23,000.00	\$ 23,000.00	0.25	5,750.00
5A	Related Electrical work	LS	1	\$ 35,000.00	\$ 35,000.00	0.25	8,750.00
5B	Driveway & Site Grading, restoration any Misc Items	LS	1	\$ 15,000.00	\$ 15,000.00	0	0.00
CO #1							0.00
CO #2							0.00
TOTAL					\$ 548,758.00		292,454.80



Keller Engineers, Inc.
 Post Office Box 61
 Hollidaysburg, PA 16648
 (814) 696-7430



Carroll Valley Sewer & Water Authority
 5685 Fairfield Road
 Fairfield, PA 17320

Invoice number 04407-0002-1
 Date 02/10/2022

Project 0004407-0002 Pumping Station Sanders Road

A355022 Design

	Date	Hours	Rate	Billed Amount
Project Manager				
	01/05/2022	0.50	115.50	57.75
	01/12/2022	0.50	115.50	57.75
	01/13/2022	0.50	115.50	57.75
Phase subtotal				173.25

A355A22 General Consulting

	Date	Hours	Rate	Billed Amount
Project Manager				
	01/31/2022	1.00	115.50	115.50
	02/02/2022	1.00	115.50	115.50
Phase subtotal				231.00

A803022 Construction Coordination

	Date	Hours	Rate	Billed Amount
Project Manager				
	01/25/2022	0.50	115.50	57.75
	01/26/2022	1.00	115.50	115.50
	01/27/2022	1.50	115.50	173.25
	01/28/2022	0.50	115.50	57.75
Phase subtotal				404.25

A807022 Construction Inspection

	Date	Hours	Rate	Billed Amount
Designer SR				
	01/26/2022	1.50	75.60	113.40

E100022 Reimbursables

	Units	Rate	Billed Amount
Mileage			
Non Vendor	20.00	0.58	11.60

E100022 Reimbursables

	Units	Rate	Billed Amount
Mileage			
1/26/22 20 miles			
William F. Hill	12.00	0.58	6.96
Phase subtotal			18.56
			940.46
			Invoice total

Net due 30 days from invoice date. A 1% late charge will be assessed on all past due balances. Please note hourly rates include 5% office overhead per 2022 Fee & Rate schedule.



WM. F. HILL & ASSOC., INC.

PROFESSIONAL ENGINEERS
CIVIL ✧ MUNICIPAL ✧ ENVIRONMENTAL

Phone: 717-334-9137

Fax: 717-334-0714

September 14, 2021

Carroll Valley Sewer and Water Authority
5685 Fairfield Road
Fairfield, PA 17320

Invoice Number - 2021 - 1125

Subject: Billing Statement - August 9, 2021 - September 5, 2021

Re: **Sanders Road Pump Station**

- * Construction Phase Services including:
 - ^ Pre-Construction Meeting
 - ^ Submittal Review
 - ^ Construction Survey

Engineering

Survey Party - 2- Man GPS		
1.5 Hours @ \$160.00		\$240.00

Environmental Engineer		
6.0 Hours @ \$105.00		\$630.00

Engineer technician		
1.5 Hours @ \$65.00		\$97.50

Total Engineering:	\$967.50
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Photocopies/Reproduction/Photos	\$142.00
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Postage	\$1.56
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Computer / Office overhead / Software Updates / PLI	\$48.38
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Mileage		\$0.00
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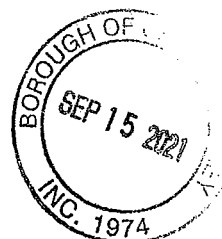
0 miles @ \$0.560 per mile		\$0.00
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Total Expenses:	\$191.94
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Total Amount Due:	\$1,159.44
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Submitted by: P. Fred Heerbrandt, P. E.

Payment is due for this invoice, thirty days from date of invoice.





WM. F. HILL & ASSOC., INC.

PROFESSIONAL ENGINEERS
CIVIL ✧ MUNICIPAL ✧ ENVIRONMENTAL

Phone: 717 - 334 - 9137

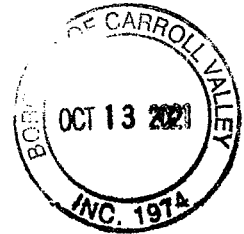
Fax: 717 - 334 - 0714

October 11, 2021

Carroll Valley Sewer and Water Authority
5685 Fairfield Road
Fairfield, PA 17320

Invoice Number - 2021 - 1240

Subject: Billing Statement - September 6, 2021 - October 3, 2021
Grant #C000069978



Re: Sanders Road Pump Station

- * Construction Phase Services including:
 - ^ Coordination with WWTF Operator
 - ^ Submittal Review

Engineering

Professional Engineer		
1.5 Hours @	\$105.00	\$157.50
Environmental Engineer		
0.5 Hours @	\$105.00	\$52.50
Staff Engineer		
0.5 Hours @	\$60.00	\$30.00
Total Engineering:		\$240.00
Photocopies/Reproduction/Photos		\$0.00
Postage		\$0.78
Computer / Office overhead / Software Updates / PLI		\$12.00
Mileage		
0 miles @	\$0.560 per mile	\$0.00
Total Expenses:		\$12.78
Total Amount Due:		\$252.78

Submitted by: *William F. Hill*
William F. Hill, P.E.

Payment is due for this invoice, thirty days from date of invoice.



WM. F. HILL & ASSOC., INC.

PROFESSIONAL ENGINEERS
CIVIL ✧ MUNICIPAL ✧ ENVIRONMENTAL

Phone: 717-334-9137

Fax: 717-334-0714

November 3, 2021

Carroll Valley Sewer and Water Authority
5685 Fairfield Road
Fairfield, PA 17320

Invoice Number - 2021 - 1357

Subject: Billing Statement - October 4, 2021 - October 31, 2021
Grant #C000069978

Re: Sanders Road Pump Station

- * Construction Phase Services including:
 - ^ Coordination with WWTF Operator and Doli Contractors
 - ^ Submittal Review

Engineering

Professional Engineer	\$105.00
1.0 Hours @ \$105.00	

Total Engineering:	\$105.00
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Photocopies/Reproduction/Photos	\$0.00
Postage	\$0.58
Computer / Office overhead / Software Updates / PLI	\$5.25
Mileage	\$0.00
0 miles @ \$0.560 per mile	

Total Expenses:	\$5.83
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Total Amount Due:	\$110.83
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Submitted by: William F. Hill, P. E.

Payment is due for this invoice, thirty days from date of invoice.





WM. F. HILL & ASSOC., INC.

PROFESSIONAL ENGINEERS
CIVIL ✧ MUNICIPAL ✧ ENVIRONMENTAL

Phone: 717 - 334 - 9137

Fax: 717 - 334 - 0714

December 6, 2021

Carroll Valley Sewer and Water Authority
5685 Fairfield Road
Fairfield, PA 17320

Invoice Number - 2021 - 1472

Subject: Billing Statement - November 1, 2021 - November 28, 2021
Grant #C000069978

Re: Sanders Road Pump Station

- * Construction Phase Services including:
 - * Coordination with WWTF Operator and Doli Contractors
 - ^ Submittal Review as required
 - ^ Site Visit
 - ^ Review Doli's Payment Request

Engineering

Professional Engineer		
3.0 Hours @ \$105.00		\$315.00

Total Engineering:	\$315.00
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Photocopies/Reproduction/Photos	\$1.00
Postage	\$0.58
Computer / Office overhead / Software Updates / PLI	\$15.75
Mileage	
22 miles @ \$0.560 per mile	\$12.32

Total Expenses:	\$29.65
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Total Amount Due:	\$344.65
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Submitted by:  William F. Hill, P.E.

Payment is due for this invoice, thirty days from date of invoice.



WM. F. HILL & ASSOC., INC.

PROFESSIONAL ENGINEERS
CIVIL ✧ MUNICIPAL ✧ ENVIRONMENTAL

Phone: 717 - 334 - 9137

Fax: 717 - 334 - 0714

January 10, 2022

Carroll Valley Sewer and Water Authority
5685 Fairfield Road
Fairfield, PA 17320

Invoice Number - 2021 - 1551

Subject: Billing Statement - November 29, 2021 - December 31, 2021
Grant #C000069978

Re: Sanders Road Pump Station

- * Construction Phase Services including:
 - * Coordination with WWTF Operator and Doli Contractors
 - ^ Site Visits as required
 - ^ Review Doli's Payment Request

Engineering

Professional Engineer	\$52.50
0.5 Hours @ \$105.00	

Total Engineering: \$52.50

Photocopies/Reproduction/Photos	\$0.00
Postage	\$0.00
Computer / Office overhead / Software Updates / PLI	\$2.63
Mileage	\$0.00
0 miles @ \$0.560 per mile	

Total Expenses: \$2.63

Total Amount Due: \$55.13

Submitted by:  William F. Hill, P. E.

Payment is due for this invoice, thirty days from date of invoice.

