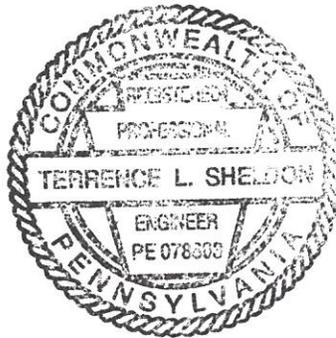


**2025 CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT
ANNUAL REPORT**

for

**POSSUM VALLEY MUNICIPAL AUTHORITY
609 CLEARVIEW ROAD
ASPERS, PA 17304
MENALLEN TOWNSHIP
ADAMS COUNTY**



A handwritten signature in black ink, appearing to read "Terrence L. Sheldon".

prepared by

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ANNUAL REPORT FORM

**ATTACHMENT A:
DEP CHAPTER 94 SPREADSHEET**



PADEP Chapter 94 Spreadsheet Sewage Treatment Plants

Reporting Year:

Facility Name:

Permit No.:

Persons/EDU:

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

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

Monthly Average Flows for Past Five Years (MGD)

Month	2021	2022	2023	2024	2025
January	0.073	0.082	0.119	0.111	0.07
February	0.088	0.104	0.075	0.132	0.087
March	0.088	0.089	0.086	0.101	0.079
April	0.082	0.105	0.072	0.126	0.074
May	0.068	0.111	0.076	0.073	0.085
June	0.067	0.069	0.069	0.066	0.093
July	0.065	0.068	0.071	0.062	0.071
August	0.066	0.07	0.071	0.079	0.061
September	0.097	0.068	0.074	0.073	0.06
October	0.077	0.071	0.072	0.072	0.061
November	0.083	0.077	0.071	0.067	0.06
December	0.07	0.095	0.088	0.083	0.061
Annual Avg	0.077	0.084	0.079	0.087	0.072
Max 3-Mo Avg	0.086	0.102	0.097	0.12	0.084
Max : Avg Ratio	1.12	1.21	1.23	1.38	1.17
Existing EDUs	740.0	743.0	745.0	742.0	746.0
Flow/EDU (GPD)	104.1	113.1	106.0	117.3	96.5
Flow/Capita (GPD)	29.7	32.3	30.3	33.5	27.6
Exist. Overload?	NO	NO	NO	NO	NO

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

Month	2021	2022	2023	2024	2025
January	92	92	131	76	142
February	164	91	46	88	111
March	110	101	88	96	116
April	104	125	177	140	87
May	117	96	172	84	92
June	109	106	128	74	77
July	124	103	100	64	90
August	101	86	80	66	61
September	99	113	77	100	82
October	112	103	68	183	91
November	102	113	109	118	90
December	101	79	77	144	104
Annual Avg	111	101	104	103	95
Max Mo Avg	164	125	177	183	142
Max : Avg Ratio	1.47	1.24	1.70	1.78	1.49
Existing EDUs	740	743	745	742	746
Load/EDU	0.150	0.135	0.140	0.138	0.128
Load/Capita	0.043	0.039	0.040	0.040	0.036
Exist. Overload?	NO	NO	NO	NO	NO

Projected Flows for Next Five Years (MGD)

	2026	2027	2028	2029	2030
New EDUs	10.0	10.0	10.0	10.0	10.0
New EDU Flow	0.0011	0.0011	0.0011	0.0011	0.0035
Proj. Annual Avg	0.081	0.0821	0.0832	0.0843	0.0878
Proj. Max 3-Mo Avg	0.099	0.1	0.102	0.103	0.107
Proj. Overload?	NO	NO	NO	NO	NO

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

	2026	2027	2028	2029	2030
New EDUs	10	10	10	10	10
New EDU Load	1.384	1.384	1.384	1.384	5.840
Proj. Annual Avg	104	106	107	108	114
Proj. Max Avg	160	162	164	167	176
Proj. Overload?	NO	NO	NO	NO	NO

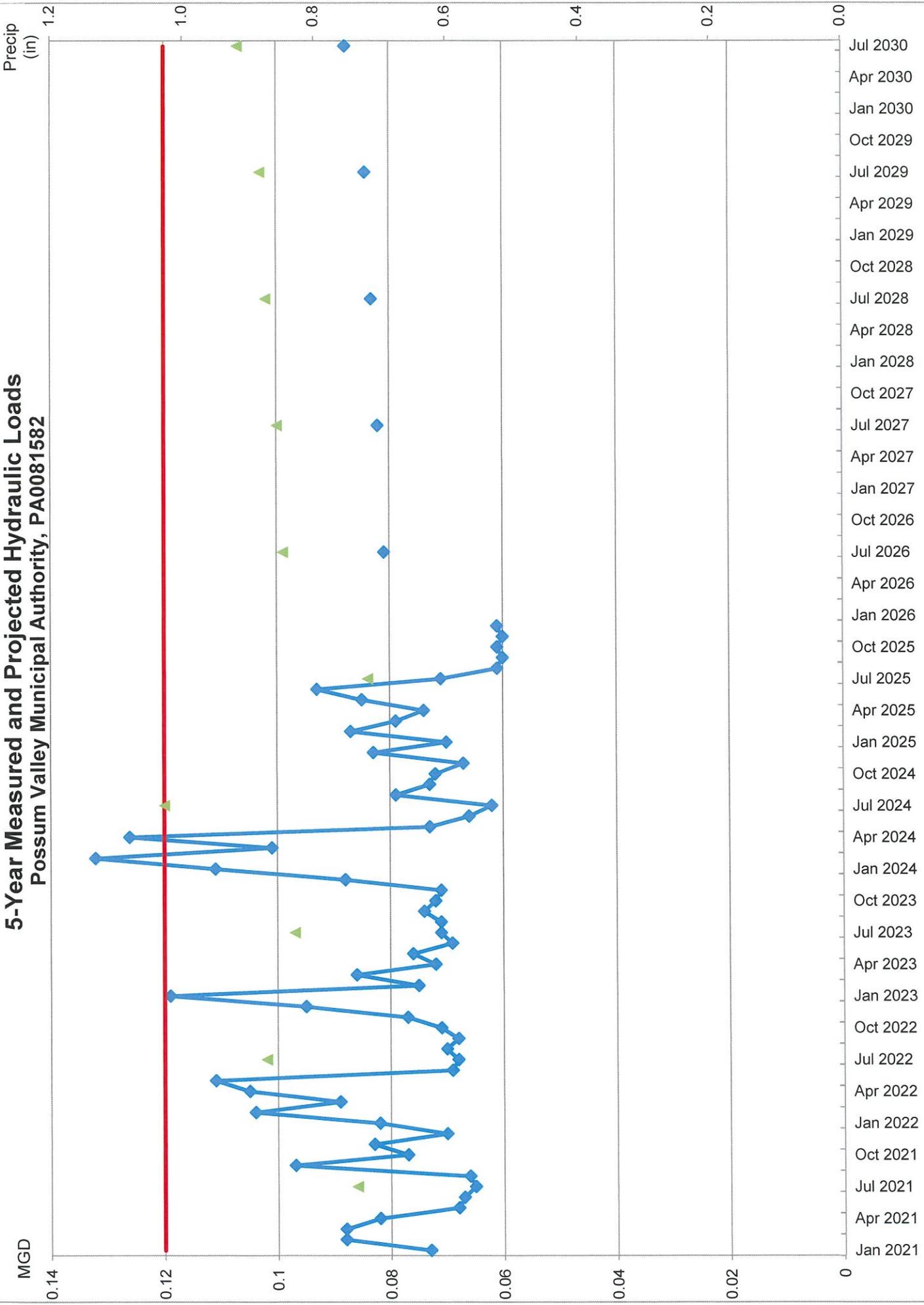
Show Precipitation Data on Hydraulic Graph?

Total Monthly Precipitation for Past Five Years (Inches)

Month	2021	2022	2023	2024	2025
January	2.5	1.45	2.6	7.95	0.8
February	4.8	3.9	1.4	3.55	2.4
March	2.5	1.9	3.1	4.25	2.1
April	3.0	4.5	5.4	5.2	2.9
May	4.95	8.7	0.5	4.55	10.5
June	2.65	3.5	3.5	4.2	7.2
July	3.6	1.0	5.4	1.2	5.3
August	6.1	4.6	1.9	9.5	1.45
September	11.75	3.8	4.1	5.4	1.9
October	4.55	3.9	2.1	0.6	3.8
November	2.1	3.1	2.95	2.5	1.5
December	1.25	6.9	5.4	4.2	1.8

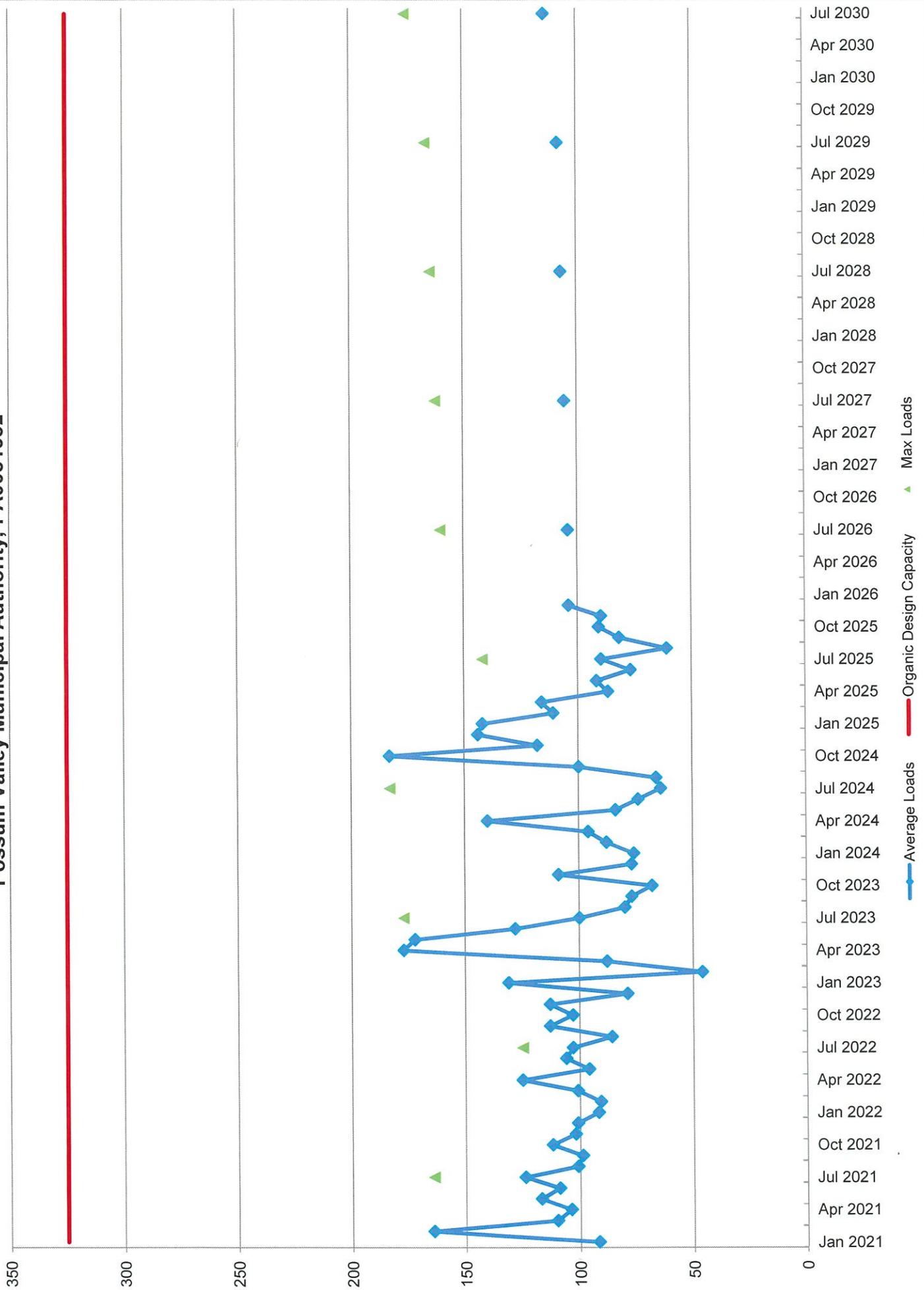
**ATTACHMENT B:
HYDRAULIC LOADS GRAPH**

5-Year Measured and Projected Hydraulic Loads Possum Valley Municipal Authority, PA0081582



**ATTACHMENT C:
ORGANIC LOADS GRAPH**

5-Year Measured and Projected Organic Loads Possum Valley Municipal Authority, PA0081582



**ATTACHMENT D:
SEWER CONNECTIONS MAP**

**ATTACHMENT E:
SEWER SYSTEM MONITORING, MAINTENANCE AND REPAIRS**

SEWER SYSTEM MONITORING, MAINTENANCE AND REPAIRS

Monitoring of the sewer system parameters during 2025 was conducted in compliance with the requirements of the facility's NPDES permit. Flow, pH, dissolved oxygen and total chlorine residual are sampled and recorded on a daily basis. Influent BOD and suspended solids are monitored and recorded twice per month. Effluent BOD, suspended solids, total phosphorus, ammonia and fecal coliforms are sampled and recorded twice per month.

Routine maintenance of the sewer system and pump stations is conducted regularly and as deemed necessary by the operators. The following is a list of repairs and maintenance performed on the PVMA sewer system during 2025:

- Pumped (44) sewer tanks as part of the STEP system;
- (7) repairs to STEP pump stations;
- (3) repairs to waste tanks at treatment plant;

**ATTACHMENT F:
CONDITION OF PUMPING STATIONS**

CONDITION OF PUMPING STATIONS

The existing sewage collection and conveyance system includes three (3) pumping stations. Table 1 (below) displays the number and power of pumps at each station, rated capacity of each station, rated capacity at each station with one pump out of service, presently connected EDUs (with average and peak flow rates) and projected EDUs for 2027 (with average and peak flow rates). All of these pumping stations are considered to be in good overall condition.

Table 1 shows that each pumping station in the Possum Valley system contains sufficient capacity to meet existing and projected needs over the next two (2) years. Each pumping station also contains sufficient capacity to operate under normal conditions with one pump out of service.

TABLE 1: CONDITION OF POSSUM VALLEY MUNICIPAL AUTHORITY PUMPING STATIONS

Pumping Station	Number of Pumps at Station	Rated Power of Each Pump	Rated Capacity (MGD)	Rated Capacity with one pump out of service (MGD)
Clearview Road	2	2.0 HP	0.19	0.095
Center Mills	2	5 HP	0.576	0.288
Sewage Treatment Plant	2	7.5 HP	0.792	0.396

Pumping Station	Estimated Present Condition (through 2025)			Estimated Projected Condition (through 2027)		
	EDUs	Average Flow (MGD)	Peak Flow (MGD)	EDUs	Average Flow (MGD)	Peak Flow (MGD)
Clearview Road	24	0.002	0.006	24	0.002	0.006
Center Mills	177	0.018	0.044	177	0.018	0.044
Sewage Treatment Plant	746	0.072	0.176	766	0.083	0.22

**ATTACHMENT G:
INDUSTRIAL WASTE REPORT**

INDUSTRIAL WASTE

The sewage use ordinances for PVMA require submission of detailed operating information from any industry required to pre-treat their discharge. Copies of the applicable parts of the rules and regulations have been included in past Chapter 94 report submissions and should be referenced for industrial waste management rules and regulations.

PVMA applies a flow based surcharge to dischargers of non-sanitary wastes that exceed certain threshold concentrations.

Dr. Pepper Snapple Group (formerly Cadbury Beverages) contributes only sanitary waste from their restroom facilities.

Kimes Cider Mills total annual discharge for 2025 was determined to be 131,031 gallons. Effluent samples are taken, analyzed and reported every two weeks to assure compliance.

Knouse Foods total annual discharge for 2025 was determined to be 183,569 gallons. Prior to discharge, samples are taken and split with the Authority to determine compliance.

There are currently no known problems as a result of these documented industrial discharges received at the plant. However, there are intermittent issues with acid being discharged to the system, which is believed to be associated with a nearby tannery business. PVMA is currently seeking proof of discharge from this facility as the property owner has indicated that the business is not responsible for the acidic discharges.

	KIMES	KNOUSE		KIMES	KNOUSE		KIMES	KNOUSE
JAN	n/a	n/a	JAN	n/a	27570	JAN	67180	14490
FEB	n/a	n/a	FEB	17620	23540	FEB	47250	10
MAR	n/a	n/a	MAR	n/a	23540	MAR	n/a	n/a
APR	n/a	0	APR	42040	0	APR	n/a	n/a
MAY	55410	34340	MAY	12220	14350	MAY	23615	48780
JUNE	92020	43810	JUNE	55870	3880	JUNE	55530	1700
JULY	0	n/a	JULY	0	14800	JULY	0	32350
AUG	0	0	AUG	17580	18490	AUG	47420	37740
SEPT	104490	39760	SEPT	54040	27160	SEPT	n/a	n/a
OCT	154290	46710	OCT	151750	79641	OCT	161010	0
NOV	151760	54770	NOV	132260	12339	NOV	141960	0
DEC	87240	33350	DEC	102480	24620	DEC	140260	0
TOTAL	625,210.00	253,240.00	TOTAL	585,890.00	269,730.00	TOTAL	724,225.00	135,070.00

2009			2010			2011		
	KIMES	KNOUSE		KIMES	KNOUSE		KIMES	KNOUSE
JAN	40180	19130	JAN	11960	23470	JAN	22000	23760
FEB	35850	102778	FEB	n/a	n/a	FEB	13618	46680
MAR	37470	0	MAR	12170	28850	MAR	19750	24520
APR	21910	27680	APR	33260	6950	APR	22200	32420
MAY	95120	10	MAY	6330	7910	MAY	23422	19190
JUNE	0	0	JUNE	52630	2000	JUNE	73609	24710
JULY	0	24700	JULY	0	5890	JULY	0	9040
AUG	62940	0	AUG	112660	0	AUG	26261	33850
SEPT	54410	0	SEPT	102250	62750	SEPT	78890	66090
OCT	138010	0	OCT	100180	17990	OCT	94609	59780
NOV	12210	21710	NOV	130630	24180	NOV	58015	18200
DEC	18100	0	DEC	112000	22050	DEC	54635	28160
TOTAL	517,200.00	196,008.00	TOTAL	674,070.00	202,040.00	TOTAL	485,009.00	386,400.00

2012			2013			2014		
	KIMES	KNOUSE		KIMES	KNOUSE		KIMES	KNOUSE
JAN	54635	25170	JAN	6631	12390	JAN	2757	24430
FEB	10020	0	FEB	5760	42620	FEB	514	20920
MAR	17084	35380	MAR	27555	25630	MAR	15503	37720
APR	14036	10	APR	25820	24120	APR	708	31230
MAY	96708	20470	MAY	87533	48890	MAY	670	93190
JUNE	0	27030	JUNE	0	68990	JUNE	0	65660
JULY	9	22560	JULY	18	23630	JULY	8	58280
AUG	33305	0	AUG	26631	71100	AUG	29120	39260
SEPT	87998	27250	SEPT	79525	70110	SEPT	47143	79800
OCT	146431	33350	OCT	111830	35430	OCT	51796	65010
NOV	69946	19230	NOV	85800	36690	NOV	46640	38100
DEC	35658	41610	DEC	26301	19420	DEC	7139	32150
TOTAL	565,830.00	252,060.00	TOTAL	483,424.00	481,020.00	TOTAL	202,398.00	583,750.00

2015			2016			2017		
	KIMES	KNOUSE		KIMES	KNOUSE		KIMES	KNOUSE
JAN	832	56960	JAN	2,088	18,780	JAN	10	0
FEB	295	32680	FEB	25,662	97	FEB	48	11505
MAR	1098	53150	MAR	43,093	50,300	MAR	0	45,858
APR	637	58600	APR	22,846	41,241	APR	0	28,890
MAY	1310	99710	MAY	28,449	36,010	MAY	0	23,716
JUNE	0	115000	JUNE	0	54,963	JUNE	0	50,248
JULY	0	93000	JULY	0	29,027	JULY	0	19,218
AUG	40877	21000	AUG	72,579	37,735	AUG	73,395	32,432
SEPT	110549	35000	SEPT	82,624	27,760	SEPT	75,493	10,737
OCT	113174	35000	OCT	140,698	29,366	OCT	94,852	32,634
NOV	69125	0	NOV	49,182	29,148	NOV	53,574	56,931
DEC	51736	23582	DEC	14,472	22,183	DEC	33,560	11,287
TOTAL	389,634.00	621,682.00	TOTAL	481,693	376,610	TOTAL	330,932	329,457

INVESTMENT DISBURSES

2018			
	KIMES	KNOUSE	
JAN	9	52,302	
FEB	8,912	0	
MAR	28,025	18,571	
APR	10,243	30,307	
MAY	22,873	33,530	
JUNE	5744	17,365	
JULY	4	27,894	
AUG	44,469	47,619	
SEPT	114,601	34,543	
OCT	52,488	72,651	
NOV	44,516	45,038	
DEC	8,512	1,278	
TOTAL	340,996	381,098	

2019			
	KIMES	KNOUSE	
JAN	12,986	28,084	
FEB	9,295	9,233	
MAR	16,758	9,617	
APR	25,439	27,673	
MAY	36,850	1	
JUNE	1011	9,332	
JULY	0	21,921	
AUG	30,338	23,409	
SEPT	68,309	22,524	
OCT	92,502	0	
NOV	60,957	24,545	
DEC	32,571	26,565	
TOTAL	387,016	202,904	

2020		
	KIMES	KNOUSE
JAN	14,867	0
FEB	14,209	22774
MAR	20,238	0
APR	156	30,049
MAY	1	30,428
JUNE	0	0
JULY	2	42,771
AUG	0	46,190
SEPT	25,447	33,996
OCT	62,064	48,824
NOV	22,108	64,729
DEC	10,343	28,037
TOTAL	169,435	347,798

2021		
	KIMES	KNOUSE
JAN	12,714	29,639
FEB	10,593	32,992
MAR	31,803	23,753
APR	20,476	44,865
MAY	4,396	24,921
JUNE	56	28,897
JULY	0	24,776
AUG	8	30,374
SEPT	19,576	37,223
OCT	69,108	66,784
NOV	40,676	26,735
DEC	19,003	1
TOTAL	250,409	360,239

2022		
	KIMES	KNOUSE
JAN	10,567	38,159
FEB	11,183	29,541
MAR	28,195	14
APR	24,637	51,186
MAY	26,819	41,911
JUNE	18	16,238
JULY	276	61,928
AUG	25	33,179
SEPT	69	27,433
OCT	44,709	44,333
NOV	27,995	39,919
DEC	18,624	38,624
TOTAL	193,117	422,465

2023		
	KIMES	KNOUSE
JAN	32,561	17,053
FEB	12,112	23,277
MAR	19,420	69,490
APR	30,018	11,352
MAY	9,845	28,806
JUNE	3,826	43,225
JULY	63	38,686
AUG	57	65,235
SEPT	3,804	34,413
OCT	54,810	96,002
NOV	25,163	64,102
DEC	12,928	0
TOTAL	204,607	491,641

2024		
	KIMES	KNOUSE
JAN	8,084	33,422
FEB	8,947	0
MAR	11,103	24,783
APR	18,737	0
MAY	40,464	30,280
JUNE	5	0
JULY	1175	59,230
AUG	1,095	0
SEPT	12,065	42,437
OCT	46,625	32,212
NOV	6,645	34,249
DEC	2,143	19,993
TOTAL	136,004	267,586

2025		
	KIMES	KNOUSE
JAN	1,529	39,786
FEB	7,683	31,654
MAR	13,293	35,329
APR	94	46,828
MAY	14,294	29,972
JUNE	0	0
JULY	0	0
AUG	0	0
SEPT	0	0
OCT	50,306	0
NOV	26,320	0
DEC	17,512	26,320
TOTAL	131,031	183,569

**ATTACHMENT H:
BIOSOLIDS REPORT**

BIOSOLIDS

During 2025, the PVMA Sewage Treatment Plant processed approximately 16.378 dry tons of biosolids. Solids from the pumping of the STEP system septic tanks are not included in this report. Pumping records are kept, but not incorporated into the management of biosolids. The Sewage Sludge/Biosolids Production and Disposal Supplemental Reports from the treatment plant provided this information. All biosolids processed at the plant were utilized in agricultural application at the Donald Bream Farm II, located in South Middleton Township, Cumberland County.

Facility Name: **POSSUM VALLEY MUNICIPAL AUTHORITY**
 Municipality: **MENALLEN TOWNSHIP** County: **ADAMS**
 Watershed: **7-F**

Date	Liquid Sewage Sludge/Biosolids Hauled Off Site		
	Gallons	% Solids	Dry Tons
1/17/25	13,500	2.80	1.576
2/3/25	5,000	2.00	0.417
3/13/25	14,000	3.60	2.102
3/24/25	8,000	2.00	0.667
4/30/25	14,000	3.10	1.810
5/23/25	6,400	2.20	0.587
6/30/25	14,800	3.30	2.037
8/4/25	17,600	3.50	2.569
9/12/25	14,000	3.30	1.927
10/20/25	5,500	1.90	0.436
12/1/25	14,200	3.80	2.250
Averages	11,545	2.86	1.489
		TOTAL	16.378

**ATTACHMENT I:
SEWAGE SLUDGE MANAGEMENT INVENTORY**

Solids Management (Sludge) Calculator

This worksheet calculates the expected sludge volume that should be produced by various treatment processes over a one-year period. Enter data into green cells - hit the Tab key to move between cells. Red cells are calculated.

Facility Name: **Possum Valley Municipal Authority** Permit No.: **PA0081582**

Evaluation Period: *Enter Date* **1/1/2025** to *Enter Date* **12/31/2025**

Design Flow: **0.12** MGD Actual Annual Average Flow: **0.072** MGD

Type of Biological Treatment Process: **Extended Aeration** Treatment Factor: **0.65**

Type of Digestion Process: **Aerobic Digestion, HDT = 10 Days** Digestion Factor: **0.9**

Total Population Served by Treatment Plant: **746**

Average Annual Influent BOD5 Load (per Ch. 94 Report): **95.0** lbs/day

Average Annual Influent BOD5 Load (Expected based on Population): **126.8** lbs/day *(Population x 0.17)*

% of Influent BOD5 Load per Ch. 94 Report / Influent Load Expected: **74.9%** *(Influent Load per Ch. 94 Report / Influent Load based on Population)*

Average Annual Effluent Concentration of **CBOD5**: **3** mg/L **Assume 3.6 mg/L BOD5**

Average Annual Pounds (lbs) of BOD5 Discharged: **2.16** lbs/day *(Actual Flow x Effluent BOD5 Concentration x 8.34)*

Influent BOD5 Load per Person per Day (based on Ch. 94): **0.127** *(Influent BOD5 Load per Ch. 94 Report / Population - 0.17 to 0.22 is typical)*

Pounds of BOD5 Removed (based on Ch. 94): **92.8** lbs/day *(Influent BOD5 Load per Ch. 94 Report - BOD5 Discharged)*

Pounds of BOD5 Removed (based on Population): **124.7** lbs/day *(Influent BOD5 Load Expected based on Population - BOD5)*

Sludge Removed from Treatment Plant (Previous Year): **16.4** Dry Tons = **32,756** Dry lbs

Sludge Production and Wasting Calculations

Based on Chapter 94 Report

X	92.8	BOD5 Removed / Day (lbs)
	0.65	Treatment Factor
	60.34	Daily Solids Production (lbs)
X	0.9	Digestion Factor
	54.31	Daily Digested Solids (lbs)
X	365	Days per Year
	19,823	Solids Generated / Year (lbs)
-	32,756	Solids Actually Wasted / Year (lbs)
	-12,933	Difference (lbs)
	165%	% of Expected Volume Wasted <i>(85 - 115% is generally acceptable)</i>
	2.9%	Percent Solids of Wasted Solids
	83,108	Volume of Solids to Remove Annually (gallons)
-	137,328	Volume of Solids Actually Removed Annually (gallons)
	-54,220	Difference (gallons)

Based on Population

X	124.7	BOD5 Removed / Day (lbs)
	0.65	Treatment Factor
	81.03	Daily Solids Production (lbs)
X	0.9	Digestion Factor
	72.93	Daily Digested Solids (lbs)
X	365	Days per Year
	26,618	Solids Generated / Year (lbs)
-	32,756	Solids Actually Wasted / Year (lbs)
	-6,138	Difference (lbs)
	123%	% of Expected Volume Wasted <i>(85 - 115% is generally acceptable)</i>
	2.9%	Percent Solids of Removed Solids
	111,593	Volume of Solids to Remove Annually (gallons)
-	137,328	Volume of Solids Actually Removed Annually (gallons)
	-25,735	Difference (gallons)

**ATTACHMENT J:
FLOW CALIBRATION REPORT**



Control Systems 21

"Your Process Control Specialists"

CERTIFICATE of CALIBRATION

Cal Certificate # 91657

Company Name Possum Valley Sewer Authority
P.O. Box
Benderville, PA 17306

Instrument ID PV-02

Description Effluent Flowmeter
Manufacturer Siemens
Model Number
Serial Number
Location N/A
Building N/A
Department N/A

Status Active
Temp °F 70
Cal Proc 4.8
Adjusted To Improve No
Calibration Frequency 6 Months
Calibrated 04/21/2025
Next Due Date 10/31/2025

Calibration Specifications

Group Name Flowmeter (PB 6 in) (Z=17.75)

Test Point	Ref Standard	Tol	UUT As Found	P/F	UUT As Left	P/F	Dev
1	48.73 GPM	+/-2.44	47.99 GPM	P	47.99 GPM	P	-0.74

Calibration Standards Used

Test Instrument ID	Manufacturer	Model Number	Serial Number	Next Cal Date
ISCO	Isco Flow Book	N/A	N/A	

Equipment listed on this cert is certified in reference to our current work instructions as part of our quality system

Where applicable and noted calibrations were performed using standards whose calibration is traceable through NIST or another National Metrology Institute to the International System of Units (SI units).

Control Systems 21 utilizes the comparison method of calibration. Results are reviewed, when applicable, and any results exceeding the agreed upon specifications are indicated by red and/or bold print

All results with this certification relate only to the item(s) calibrated. This certificate shall not be reproduced except in full and with written consent of Control Systems 21. Unless otherwise noted all calibrations were performed in the field at the customers location

Please note: any number of factors may cause the calibration item to drift out of tolerance before the calibration interval has expired

Remarks or Special Requirements:

Calibration Result: Calibration Successful

Calibrated By: David Cummins

Finalized By: Mike Cherewka 28 April 2025 10:26:10AM
Calibration Manager



Control Systems 21

"Your Process Control Specialists"

CERTIFICATE of CALIBRATION

Cal Certificate # 96004

Company Name Possum Valley Sewer Authority
P.O. Box
Benderville, PA 17306

Instrument ID PV-02

Description Effluent Flowmeter
Manufacturer Siemens
Model Number
Serial Number
Location N/A
Building N/A
Department N/A

Status Active
Temp °F 55
Cal Proc 4.8
Adjusted To Improve No
Calibration Frequency 6 Months
Calibrated 10/21/2025
Next Due Date 04/30/2026

Calibration Specifications

Group Name Flowmeter (PB 6 in) (Z=17.75)

Test Point	Ref Standard	Tol	UUT As Found	P/F	UUT As Left	P/F	Dev
1	48.70 GPM	+2.44/-2.43	46.83 GPM	P	46.83 GPM	P	-1.87

Calibration Standards Used

Test Instrument ID	Manufacturer	Model Number	Serial Number	Next Cal Date
ISCO	Isco Flow Book	N/A	N/A	
TAPE MEASURE	N/A	N/A	N/A	

Equipment listed on this cert is certified in reference to our current work instructions as part of our quality system.

Where applicable and noted calibrations were performed using standards whose calibration is traceable through NIST or another National Metrology Institute to the International System of Units (SI units).

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Please note: any number of factors may cause the calibration item to drift out of tolerance before the calibration interval has expired

Remarks or Special Requirements:

Calibration Result: Calibration Successful

Calibrated By: Matthew DeVere

Finalized By: Matthew DeVere 21 October 2025 10:28:02AM

Print Date: 10/21/2025

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Control Systems 21

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