

# EXHIBIT E: MATW INFORMATION



AN EMPLOYEE-OWNED COMPANY

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	MARCH 2020
	CHAPTER 94 WASTELOAD MANAGEMENT REPORT FOR
	CALENDAR YEAR 2019  MUNICIPAL AUTHORITY OF THE
	TOWNSHIP OF WESTFALL PIKE COUNTY, PENNSYLVANIA
	HRG Project No. 003054.0440, Phase 12

#### TABLE OF CONTENTS

**Executive Summary** 

SECTION 1 Chapter 94 Wasteload Management Report

SECTION 2 Attachments to Chapter 94 Wasteload Management Report

Attachment A – Hydraulic Loading Graph and Data

Attachment B – Condition of Existing Pump Station

Attachment C – Sewage Sludge Management Inventory

Attachment D – Flow Meter Calibration Report

Attachment E – Service Area Map

Attachment F – Constructed Sewer Extensions

	EXECUTIVE	SUMMARY

#### **EXECUTIVE SUMMARY**

#### **General Information**

Westfall Township comprises approximately 31 square miles and is located in the eastern portion of Pike County, Pennsylvania. In February of 2002, Westfall Township took over the Delaware Valley Utilities, Inc. Wastewater Treatment Facility, located near the Inn at Hunts Landing (Best Western). The Westfall Township Act 537 Plan designates the Hunts Landing treatment facility as a regional wastewater treatment facility.

The existing wastewater facilities, formerly of the Delaware Valley Utilities, Inc., included a collection system with force mains and pump stations and a 95,000 gallons per day (gpd) Extended Aeration wastewater treatment facility with a discharge to the Delaware River. The existing system was regulated by the Public Utilities Commission prior to February 2002.

The Municipal Authority of the Township of Westfall (Authority) began planning for an upgrade of the facility to a 300,000 gpd Sequence Batch Reactor (SBR) system in May 2004 and the facility came on-line in October of 2005. Starting in 2006, planning activities occurred, due to the Katz Court Order in 2005, that expanded the existing facility to 0.820 million gallons a day (mgd); however, since the time of flow approvals, several significant events (Township Bankruptcy and the revision of the Katz Court Order) have occurred which has reduced the needed capacity to approximately 0.374 mgd. The permitting of the expansion to 0.820 mgd was approved by the Pennsylvania Department of Environmental Protection (DEP) and the Delaware River Basin Commission (DRBC), but was reduced to 0.374 mgd on September 21, 2011 with the DRBC Docket approval that established a projected flow of 0.374 mgd. In January of 2012 the DEP approved the projected flow of 0.374 mgd with the approval of the revised Act 537 Special Study.

The Authority owns the wastewater collection, conveyance, and treatment facilities located in Westfall Township (Township), Pike County, Pennsylvania. The Authority's public sanitary sewer system consists primarily of a force main conveyance system with five pump stations, with force mains ranging from 4" through 8" in diameter. In addition, there are numerous privately-owned pump stations that tie into the Authority's collection and conveyance system. A map of the Authority's sewer system is attached as Appendix A.

The Authority's SBR wastewater treatment plant (WWTP) operates under the NPDES Permit No. PA-0061611, that was most recently renewed on December 20, 2013, renewal submitted in June 2018, and the DRBC Docket No. 0-2002-023 CP-5, the DRBC docket renewal was submitted in December 2017. The WWTP utilizes an SBR process, which contains two reactors that alternate in receiving and treating wastewater. The SBR cycles; including anoxic fill, aerated react, settle, decant and idle; are automatically controlled by a programmable logic controller (PLC). Each reactor is equipped with a motive pump to mix and help aerate the reactor volume. Three blowers are installed and two of them are normally in operation for air supply to the reactors. Alum is fed into the SBR for the phosphorus removal process that also provides enhanced settling.

In 2018, there was 1 new EDU connected to the treatment and conveyance systems.

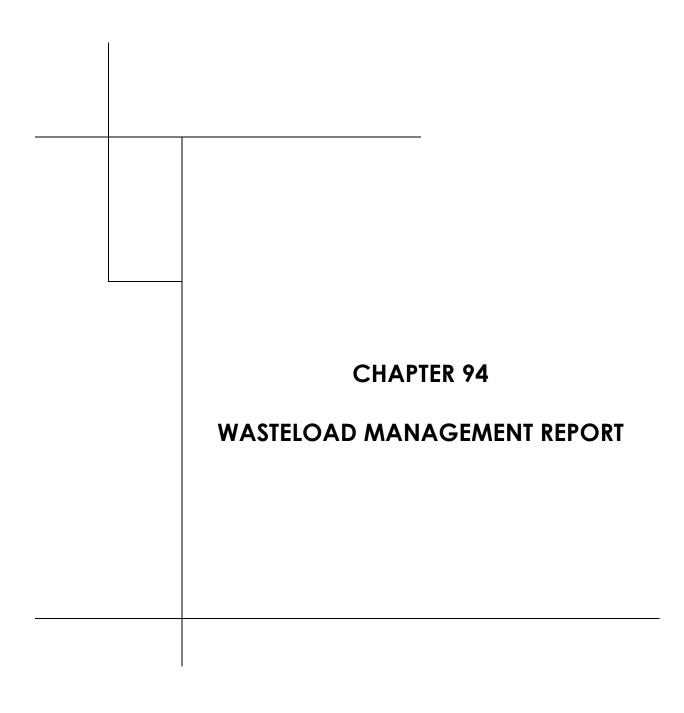
Total number of EDUs connected at the end of 2018 was 992 EDUs.

#### **Hydraulic and Organic Loadings**

Per the analyses completed in conjunction with this Report, no hydraulic or organic overloads are expected for the Authority's system for the next five years. There were no sewer overflows in 2019.

#### **Industrial Wastes**

No industrial wastes are presently discharged to the Westfall Township sewer system. Article IX of the Authority's Rules and Regulations governs the admission of industrial wastes into the sewer system. The most recent adoption of the Rules and Regulations was November 1, 2012.



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

### CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT

For Calendar Year: 2019

	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						
Pe	rmittee Name:	Municipal Authority of the Township of Westfall	Permit No.:	PA0061611			
Ма	iling Address:	155 Westfall Town Drive, P.O. Box 525	Effective Date:	September 1, 2019			
Cit	y, State, Zip:	Matamoras, PA 18336	Expiration Date:	August 31, 2024			
Со	ntact Person:	A. William Schneider	Renewal Due Date:	March 4, 2024			
Titl	e:	Chairman	Municipality:	Westfall Township			
Ph	one:	570.491.2488	County:	Pike County			
Em	nail:	wmaplant@verizon.net	Consultant Name:	Herbert, Rowland & Grubic, Inc.			
		CHAPTER 94 REPORT	COMPONENTS				
1.	<ul> <li>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))</li> <li>Check the appropriate boxes:         <ul> <li>Line graph for flows attached (Attachment A)</li> <li>DEP Chapter 94 Spreadsheet used (Attachment A)</li> <li>Section 1 is not applicable (report is for a collection system).</li> </ul> </li> </ul>						
2.	<ul> <li>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))</li> <li>Check the appropriate boxes:</li> <li>☑ Line graph for organic loads attached (Attachment A)</li> <li>☑ DEP Chapter 94 Spreadsheet used (Attachment A)</li> <li>☐ Section 2 is not applicable (report is for a collection system).</li> </ul>						

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))
	The projected hydraulic and organic loadings for the next five years are included in this report as Attachment A. As is evident from the DEP Chapter 94 spreadsheet and graphs, no overloads are expected at the Municpal Authority of the Township of Westfall's (MATW) wastewater treatment plant.
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 F)  List summarizing each extension or project attached (Attachment )  Schedules describing how each project will be completed over time and effects attached (Attachment )  Comments:
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))
	e Authority's wastewater collection, conveyance and treatment facilities are operated and maintained by Camollution Control Inc. (Camo).
oil,	andard preventative maintenance was completed by Camo on the treatment plant facilities, including changing air filters, and greasing the motors on all blowers. The traveling bridge sand filter was greasted and the ultra let lamps were replaced.
All	other maintenance work on the collection system and at the WWTP was considered routine in nature.

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:							
	<ul> <li>Check the appropriate boxes:</li> <li>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.</li> <li>System did not experience capacity-related bypassing, SSOs or surcharging during the report year.</li> </ul>							
	Comments:							
	No SSOs, capacity-related bypassing, or surcharging occurred during 2019.							
7.	Attach a discussion on the condition of sewage pumping (pump) stations. Include a comparison of the maximum pumping rate with present maximum flows and the projected 2-year maximum flows for each station. (25 Pa. Code § 94.12(a)(7))							
	Check the appropriate boxes:							
	The collection system does not contain pump stations							
	∑ The collection system does contain pump stations (Number − 5)							
	□ Discussion of condition of each pump station attached (Attachment B)							
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 )							
	<ul><li>Industrial pretreatment report as required in an NPDES permit attached (Attachment )</li></ul>							

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 C)					
<ol> <li>For facilities with CSOs and where required by the NPDES permit, attach an Annual CSO Report (including satellite combined sewer systems).</li> </ol>					
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))					
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).					
A. William Schneider  Name of Responsible Official  914-443-2664  3-19-2020					
Name of Responsible Official Signature					
914-443-2664 3-19-2020					
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

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).						
Scott Smith	Scott shilf					
Name of Preparer	Signature					
570.851.2804	03/24/2020					
Telephone No.	Date					



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

#### CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT INSTRUCTIONS

This form has been developed to promote consistency in the development of annual municipal wasteload management reports ("Chapter 94 reports") required by 25 Pa. Code § 94.12. At least two copies of the complete report must be submitted to the appropriate regional office of the Department of Environmental Protection (DEP) by March 31.

Enter the calendar year that the report covers at the top of the form. Check the appropriate box to indicate whether the permittee is the owner/operator of a publicly owned treatment works (POTW) or other sewage treatment facility, or is the owner/operator of a sewage collection system that is tributary to a POTW owned/operated by a different entity.

#### **General Information**

Record the name of the permittee, the permittee's full mailing address, the permittee's contact person and this person's title, phone number and email address. Also record the permit number (NPDES or WQM), the effective date of permit coverage, the expiration date of permit coverage (if applicable), the date by which an application or NOI is due for reissuance (renewal) (if applicable), the municipality and county where the sewage treatment facility or collection system is located, and the name of the consultant (company name), if any, who assisted in the preparation of the form.

#### **Chapter 94 Report Components**

This section requests responses to 12 questions that, if applicable, must be addressed for a complete Chapter 94 report. Questions 1 - 9 and 12 come directly from the Chapter 94 regulations, i.e., 25 Pa. Code §§ 94.12(a)(1) – 94.12(a)(9) and 94.13(b). Some questions request that you check an appropriate box, attach the information requested, and specify the attachment number, while responses to other questions may be entered directly on the form.

For Questions 1 and 2, permittees may use DEP's Chapter 94 Spreadsheet to satisfy 25 Pa. Code §§ 94.12(a)(1) and 94.12(a)(2), respectively. DEP encourages use of the Chapter 94 Spreadsheet to provide consistency in the format and calculations associated with hydraulic and organic load evaluations (see <a href="www.depweb.state.pa.us/chapter94">www.depweb.state.pa.us/chapter94</a>). If the Chapter 94 Spreadsheet was used, check the appropriate box(es) and attach printouts of the data and graphs to the Chapter 94 report. If this report is being used for a collection system only, these graphs are not needed.

For Question 6, if the permittee checks the box that there were capacity-related bypasses or SSOs during the report year, in general the box for existing hydraulic overload in Question 9 should be checked. If the permittee checks the box in Question 6 because surcharging occurred during the report year, in general the box for projected hydraulic overload in Question 9 should be checked.

For Question 8, if the permittee has an EPA-approved pretreatment program, attachment of an annual pretreatment report as required in an NPDES permit will satisfy the requirement for an industrial waste report.

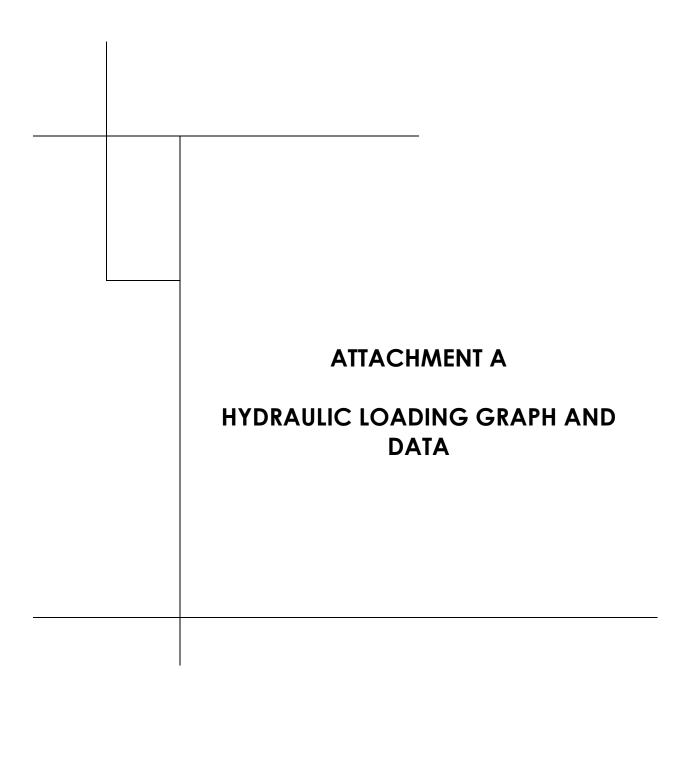
For Question 10, if a permit requires a "Sewage Sludge Management" inventory, check the appropriate box if the inventory is attached to the Chapter 94 report.

For Question 11, if an NPDES permit (individual permit or, for satellite collection systems, PAG-06 General NPDES permit coverage) requires an Annual CSO (Status) report, attach the CSO report to the Chapter 94 report and check the appropriate box.

#### Certification

In accordance with 25 Pa. Code § 94.12(a), both the individual who prepared the report and (a responsible official of) the permittee must sign the report. The term "responsible official" for a municipality is a principal executive officer or ranking elected official.

Questions on the completion of Chapter 94 reports may be directed to DEP's Bureau of Point and Non-Point Source Management at (717) 787-8184 or to the appropriate DEP regional office (contact information available by visiting DEP's website, www.depweb.state.pa.us, and selecting Regional Resources).





#### PADEP Chapter 94 Sprea

Sewage Treatment | Reporting Year: 2019

Facility Name: Municipal Authority fo the Township of Westfall Permit No.: PA0061611 Persons/EDU: 3.5

Existing Hydraulic Design Capacity: Upgrade Planned in Next 5 Years? Future Hydraulic Design Capacity: 0.374 MGD NO Year: Existing Organic Design Capacity: Upgrade Planned in Next 5 Years? Future Organic Design Capacity: 

<u>Monthly</u>	v Averac	ge Flows	for Past	Five	Years	(MGD

	INIOI	tilly Average	10W3 101 1 a3t	Tive rears (in	<u>100)</u>
Month	2015	2016	2017	2018	2019
January	0.068	0.0613	0.0691	0.0783	0.0646
February	0.0753	0.0651	0.0743	0.0783	0.0688
March	0.0804	0.0614	0.0724	0.0865	0.0721
April	0.0737	0.0695	0.0816	0.0824	0.0718
May	0.0848	0.0781	0.0816	0.086	0.0738
June	0.0826	0.0807	0.089	0.0905	0.0796
July	0.0871	0.0869	0.0906	0.093	0.0826
August	0.0814	0.0879	0.0875	0.0897	0.0788
September	0.0809	0.0795	0.084	0.0852	0.0778
October	0.0756	0.0794	0.0843	0.0725	0.0773
November	0.0682	0.0752	0.0739	0.0768	0.0713
December	0.065	0.0714	0.0722	0.068	0.0715
Annual Avg	0.0769	0.0747	0.08	0.0823	0.0742
Max 3-Mo Avg	0.0848	0.0852	0.089	0.0911	0.0803
Max : Avg Ratio	1.10	1.14	1.11	1.11	1.08
Existing EDUs	958.0	969.0	980.5	992.0	993.0
Flow/EDU (GPD)	80.3	77.1	81.6	83.0	74.7
Flow/Capita (GPD)	22.9	22.0	23.3	23.7	21.3
Exist. Overload?	NO	NO	NO	NO	NO

Monthly Average BOD5 Loads for Past Five Years (Ibs/day)					
Month	2015	2016	2017	2018	2019
January	253	343	177	212	288
February	223	338	162	235	317
March	247	186	252	252	270
April	313	254	288	241	321
May	193	245	347	246	313
June	311	246	297	288	311
July	440	292	257	266	285
August	295	235	278	290	535
September	273	217	322	332	343
October	260	276	298	278	311
November	174	211	281	259	244
December	212	197	239	198	244
Annual Avg	266	253	267	258	315
Max Mo Avg	440	343	347	332	535
Max : Avg Ratio	1.65	1.35	1.30	1.29	1.70
Existing EDUs	958	969	981	992	993
Load/EDU	0.278	0.261	0.272	0.260	0.317
Load/Capita	0.079	0.075	0.078	0.074	0.091
Exist. Overload?	NO	NO	NO	NO	NO

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

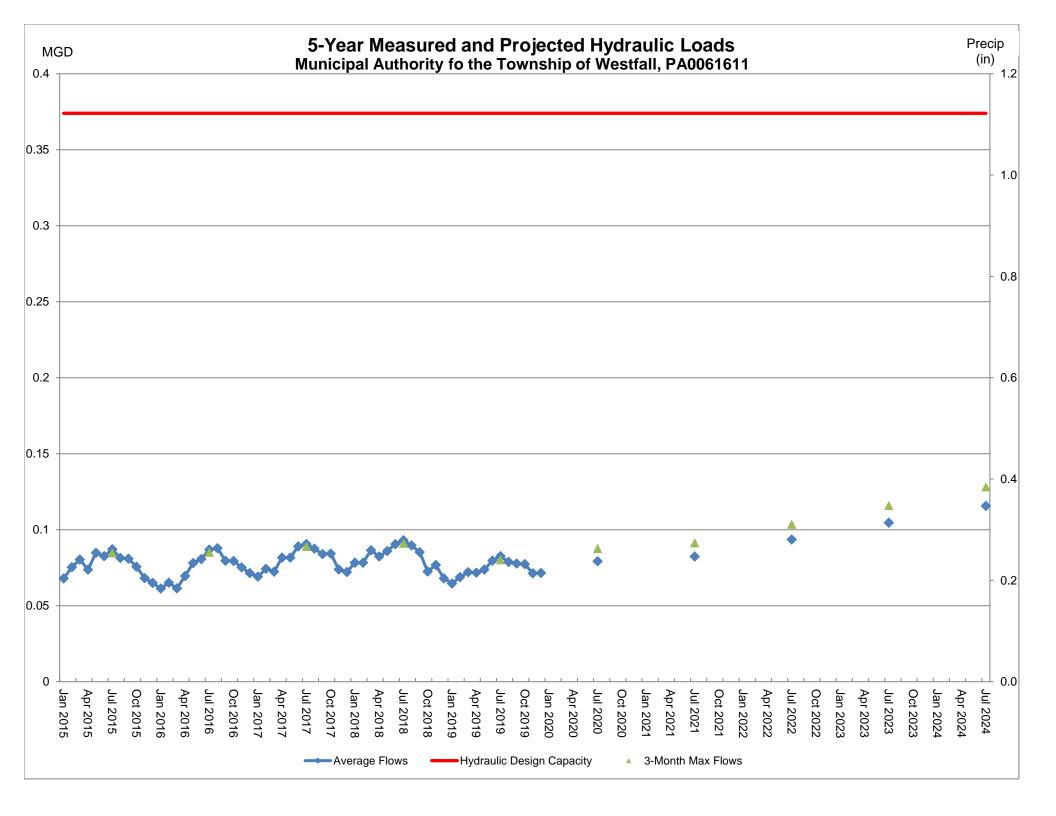
	2020	2021	2022	2023	2024
New EDUs	20.0	40.0	140.0	140.0	140.0
New EDU Flow	0.0016	0.0032	0.0111	0.0111	0.0111
Proj. Annual Avg	0.0792	0.0824	0.0935	0.1046	0.1157
Proj. Max 3-Mo Avg	0.0878	0.0914	0.1037	0.116	0.1283
Proj. Overload?	NO	NO	NO	NO	NO

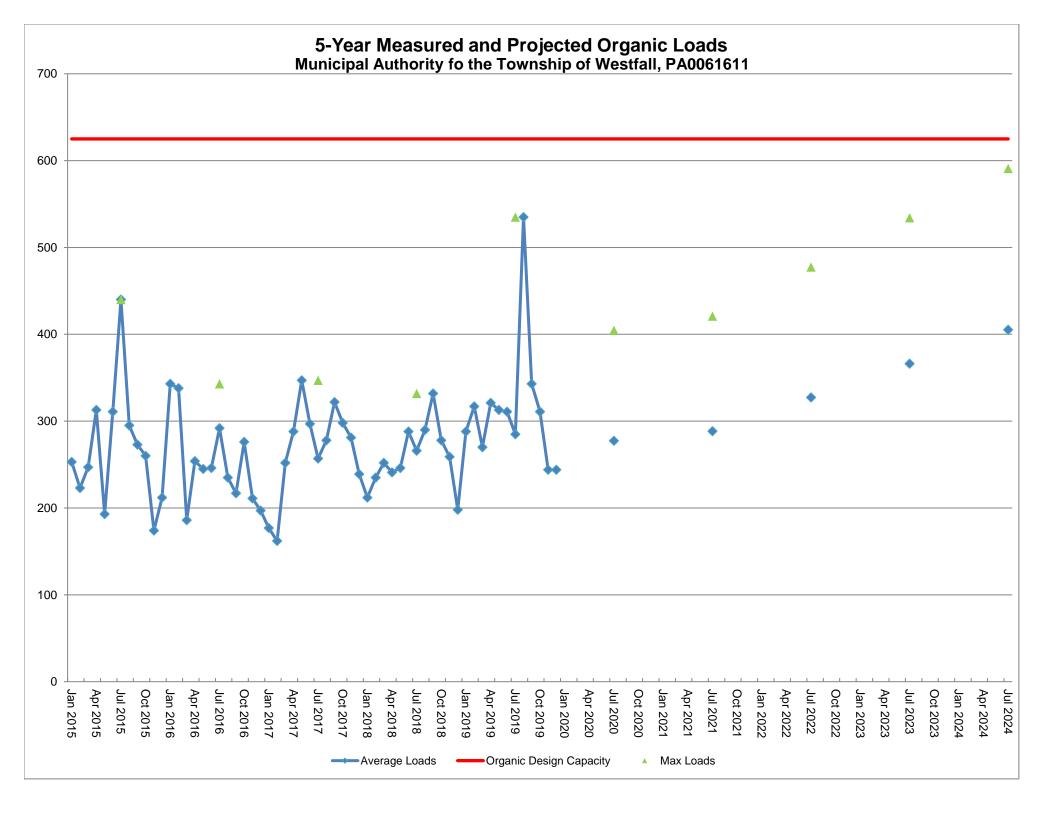
	Proje	cted BOD5 Lo	ads for Next F	ive Years (lbs	s/day)
	2020	2021	2022	2023	2024
New EDUs	20	40	140	140	140
New EDU Load	5.555	11.109	38.882	38.882	38.882
Proj. Annual Avg	277	289	327	366	405
Proj. Max Avg	405	421	478	534	591
Proj. Overload?	NO	NO	NO	NO	NO

Show Precipitation Data on Hydraulic Graph?

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

Month	2015	2016	2017	2018	2019
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					





	ATTACHMENT B
	CONDITION OF PUMP STATIONS

#### **Condition of Existing Pump Stations**

During 2019, the Authority monitored and recorded wastewater flows conveyed through three of the six pump stations. Based on the flow metering results, the maximum monthly flows were determined. Table 1 displays the flow metering results for each of the five (5) pumping stations. The monitored pump stations operated within the design capacity during 2019 and are able to handle projected flows.

#### Westfall #1 Pump Station

The Westfall #1 Pump Station is located on Westfall Town Drive and conveys flow directly to the Authority's WWTP. The original pump station was decommissioned in 2012 and a newly constructed pump station was commissioned in April 2013. The new pump station has variable speed pumps with a design pumping rate of 250 to 840 gpm or 360,000 to 1,209,600 gpd. There was one direct connection to the Westfall #1 Pump Station in 2018. There are currently 747.5 EDUs directly connected to the pump station. There are 32 EDUs projected to connect to the direct service area of this station in 2019, respectively. Please note that all other Authority owned pump stations are tributary to this station so any EDUs connected to those stations will increase the flow through the Westfall #1 Pump Station.

#### Westfall #2 Pump Station

The Westfall #2 Pump Station is located along US Route 6/209 in the south branch collection system. The pump station was commissioned in the late 1980s/early 1990s and has a design pumping rate of 210 gpm or 302,400 gpd. Average Daily Flows are unavailable at the pump station due to lack of sewage metering at the station. There are currently 314 EDUs connected to the pump station. No EDUs are expected to be added to this pump station in 2020.

#### River's Edge Pump Station

The River's Edge Pump Station serves the River's Edge residential development. The pump station was commissioned in 2008 and had a design pumping rate of 60 gpm, or 86,400 gpd. In 2012, one pump at the station was replaced. Due to the old pump being discontinued, the new pump has a capacity of 98 gpm or 141,120 gpd. There were no EDUs connected to the River's Edge Pump Station in 2019. There are currently 208 EDUs connected to the pump station.

#### Rosetown Pump Station

The Rosetown Pump Station was designed to serve the Katz Rosetown Estate property. The pump station was constructed in 2007 and has a design pumping rate of 752.7 gpm or 1,083,888 gpd. The pump station has been offline since construction in 2007 due to lack of development in the pump station service area and will continue to be in-operational until the Katz property is developed. No EDUs were added to this pump station in 2019.

#### Katz Commercial Pump Station

The Katz Commercial Pump Station was designed to serve the Katz Commercial property. The pump station was constructed in 2011 and has variable speed pumps with a design pumping rate of 160 to 300 gpm or 230,400 to 432,000 gpd. The pump station has been offline since construction in 2011 due to lack

of development in the pump station service area and will continue to be in-operational until the Katz commercial property is developed. No EDUs are expected to be added to this pump station's service area in 2020.

#### Westfall Sr. Apartments Pump Station

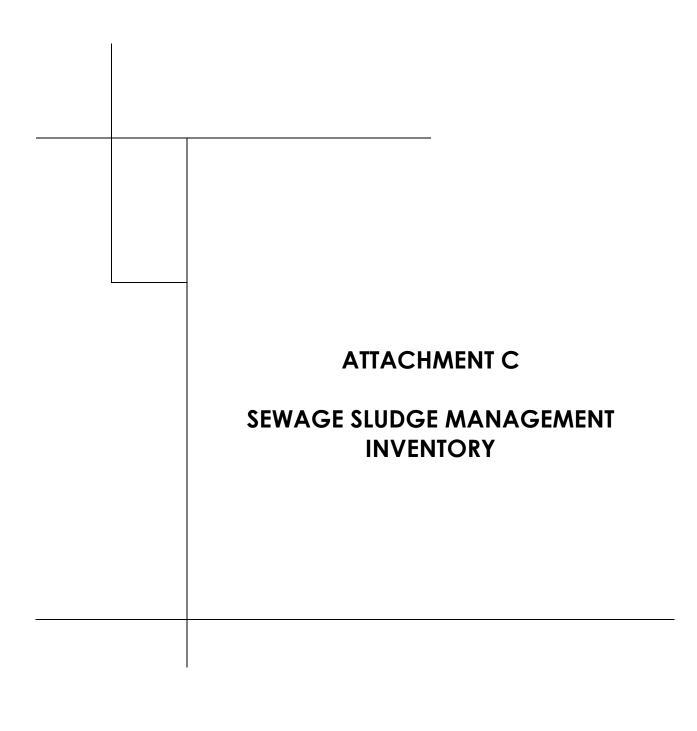
The Westfall Senior Apartments Pump Station serves the Westfall Senior Apartment Building Complex. The pump station was commissioned in 2017, containing duplex 2 HP Hydromatic pumps with design pumping rate of 42 gpm, or 60,480 gpd. 11.5 EDUs were connected to the Pump Station in 2017. There are currently 11.5 EDUs connected to the pump station. It is anticipated that no EDUs will be added to the pump station's service area in 2020.

TABLE 1
MUNICIPAL AUTHORITY OF THE TOWNSHIP OF WESTFALL
2018 PUMP STATION AVERAGE MONTHLY FLOWS

MONTH	Westfall Pump Station #1 <sup>(4)</sup> (GPD)	Westfall Pump Station #2 <sup>(1)</sup> (GPD)	River's Edge Pump Station (GPD)	Katz Pump Station <sup>(2)</sup> (GPD)	Rosetown Pump Station <sup>(2)</sup> (GPD)	Westfall Sr. Apartments Pump Station (GPD)
January		N/A		N/A	N/A	
February		N/A		N/A	N/A	
March		N/A		N/A	N/A	
April		N/A		N/A	N/A	
May		N/A		N/A	N/A	
June		N/A		N/A	N/A	
July		N/A		N/A	N/A	
August		N/A		N/A	N/A	
September		N/A		N/A	N/A	
October		N/A		N/A	N/A	
November		N/A		N/A	N/A	
December		N/A		N/A	N/A	
Average	79,944	N/A	7,272	N/A	N/A	5,617
Max Month	0	N/A	0	N/A	N/A	0
PROJ. 2019 MAX FLOWS	122,538	N/A	8,609	N/A	N/A	N/A
PS CAPACITY (GPD)	777,600	302,400	141,120	432,000	1,083,888	60,480

Note: 1. Hourly readings are not recorded at Westfall Pump Station #2

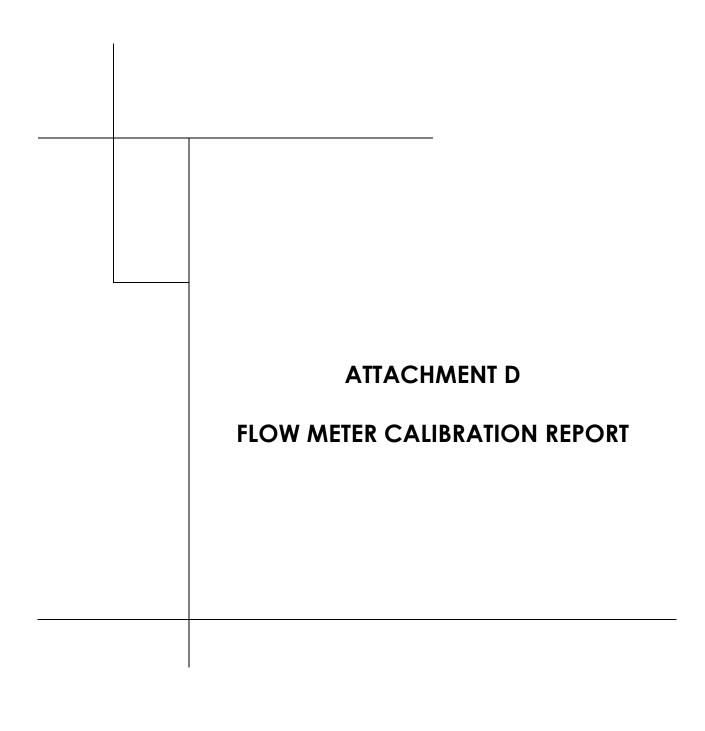
- 2. Katz and Rosetown Pump Station have been offline since their construction in 2011 and 2007, respectfully.
- 3. West Fall #1 went online on April 16, 2013.



SLUDGE	E GENERATION CALCULATION	
Facility Name: Municipal Authority of the Tov	wnship of Westfall Wastewater Treatme	ent Plant
Permit Number: PA0061611		
Date of Calculation: 3/29/2020		<del></del>
Requir	red Information For Calculation	
Average Daily Flow (mgd): 0.0742	Digester Capacity (gal):	55000
Influent BOD (mg/l): 315	%Solids of Outgoing Sludge:	3
Effluent BOD (mg/l): 3.1	Monitoring Period (days):	365
	tewater Treatment Processes ment process. Select a maximum of Primary Clarification ar	nd one other treatment process.
Primary Clarification	Contact Stabilization	RBC
Conventional Activated Sludge	SBR X	ABF 🗖
Extended Aeration		all Plant with low SOR
1	· <u> </u>	(<500 gpd/sq ft)
2022	Operational Information	
BOD Removed (lbs/day): 193	TSS Removed (lbs/day):	164
	Digester Information	
Place an "Y" in t	Type of Digester the box beside the corresponding treatment process.	
Aerobic Digestion x	Anaerobic Digestion	None None
Acrobic Digestion A	- Indereste Digestion	None
Sludge Feed Rate to Digeste	····	
Digester Hydraulic Detention Tim	` ' ' <del></del>	
Estimated Total Solids Reduc	ction (%): 0.4	
	Sludge Generation	
dry lbs/day 98	wet lbs/day	3281
dry tons/monitoring period 18	wet tons/monitoring period	599
gal/day 393	gal/monitoring period	143602
	Reported <u>as Being Gen</u> erated by the Fa	cility
wet tons/monitoring	ng period 0 OR	
dry tons/monitorin		·.
Is the amount reported by the generato	or within 15% of the calculated value?	NO
	NO explanation:	GREATER THAN 15% RANGE
	L_	
What type of information was used to calcula	ate the above information: 2019 DMR S	upplemental Reports
	Dates used: 1.1.2019	TO 12.31.2019
Name of person p	performing the calculation: Scott J. Smit	h, P.E.

### MUNICIPAL AUTHORITY OF THE TOWNSHIP OF WESTFALL - 2019 CHAPTER 94 WASTELOAD MANAGEMENT REPORT SEWAGE SLUDGE MANAGEMENT INVENTORY LIQUID SEWAGE SLUDGE HAULED OFF-SITE

Month	Average Annual Flow (MGD)	Average Influent BOD <sub>5</sub> (mg/L)	Average Effluent CBOD <sub>5</sub> (mg/L)	MLSS (mg/L)	Liquid Sludge(Gal)	Average Total Solids (%)	Dry Tons
January	0.0646	288	3.0		38,000	3.0	4.75
February	0.0688	317	3.0		35,000	3.0	4.38
March	0.0721	270	3.1		44,200	3.0	5.53
April	0.0718	321	3.0		52,000	3.0	6.51
May	0.0738	313	3.0		79,000	3.0	9.88
June	0.0796	311	3.0		0	3.0	0.00
July	0.0826	285	3.0		40,000	3.0	5.00
August	0.0788	535	4.0		76,000	3.0	9.51
September	0.0778	343	3.0		0	3.0	0.00
October	0.0773	311	3.0		36,000	3.0	4.50
November	0.0713	244	3.0		85,000	3.0	10.63
December	0.0715	244	3.1		42,000	3.0	5.25
Total	-	-	-	-	527,200	-	65.953
Average	0.0742	315	3.1		-	3.0	-
Minimum	0.0646	244	3.0	0	-	3.0	-
Maximum	0.0826	535	4.0	0	-	3.0	-

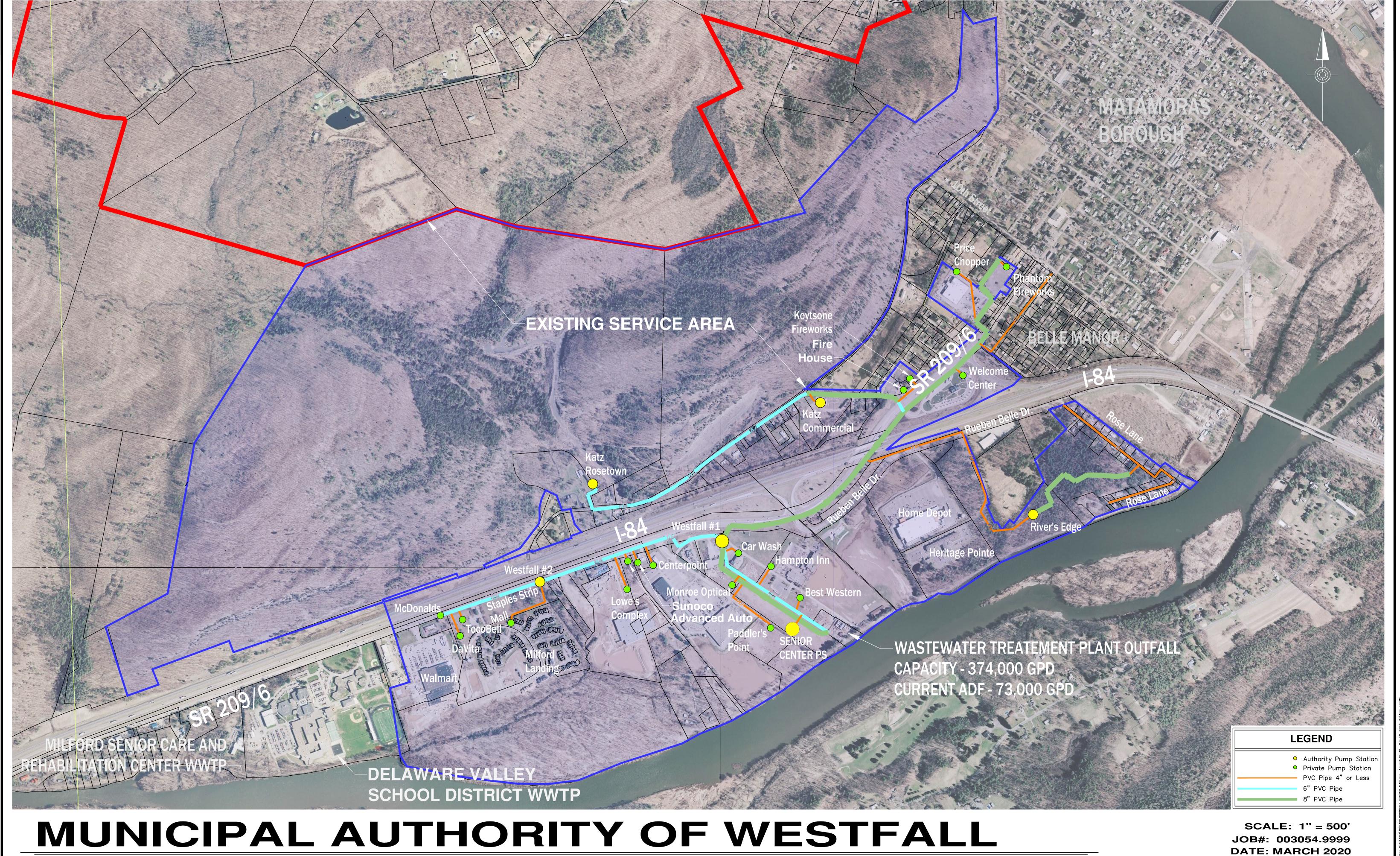


#### PID CONTROLS (973) 702-3354

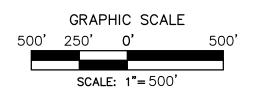
#### CALIBRATION REPORT

CUSTOMER	West	fall MUA	INSTRUMENT	Ultrasonic Flow Meter
	Wast	ewater plant	MFGR.	E&H Prosonic FMU861
	Mata	moras, PA	SERVICE	Effluent Flow
CAL. DATE	10-	23-2019	RANGE	0 - 1 MGD
P.O. NO.	Ver	balJoe N.	CAL. BY	Paul Lindner
INPUT	1/2	DESIRED OUTPUT	AS FOUND	AS LEFT
Head of	Water	Readouts MGD / GPM	In toleranc	e In tolerance
3.6	; #	.033 / 23 GPM		.032 / 22 GPM
9.0	)"	.326 / 226 GPM		.324 / 224 GPM
Depth r	eadings	t is 45 deg. V-Not taken with standa ow condition, pump	ard yardstick as	conditions permitted nerate flow.
Recorder	is Che	ssell 392. Pen tra	evel and display	GPM rate, GPDx1000 total correct over span.
Totalize	r checke	ed over 1 and 2 mi	nute intervals,	reads correctly.
Depth at	weir fo	or max. flow = 14.	1"	
2007		CALIBRATION STAN	<b>IDARD</b>	NIST Cert. Date
MFG./MODEL	Ext	ech CMM-15 Proces	ss Calibrator	8-2018

	ATTACHMENT E
	SERVICE AREA MAP

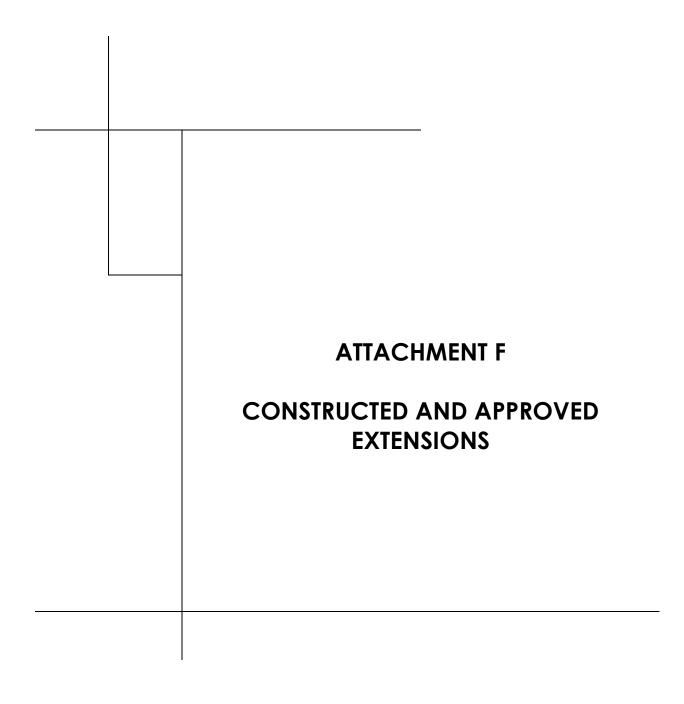


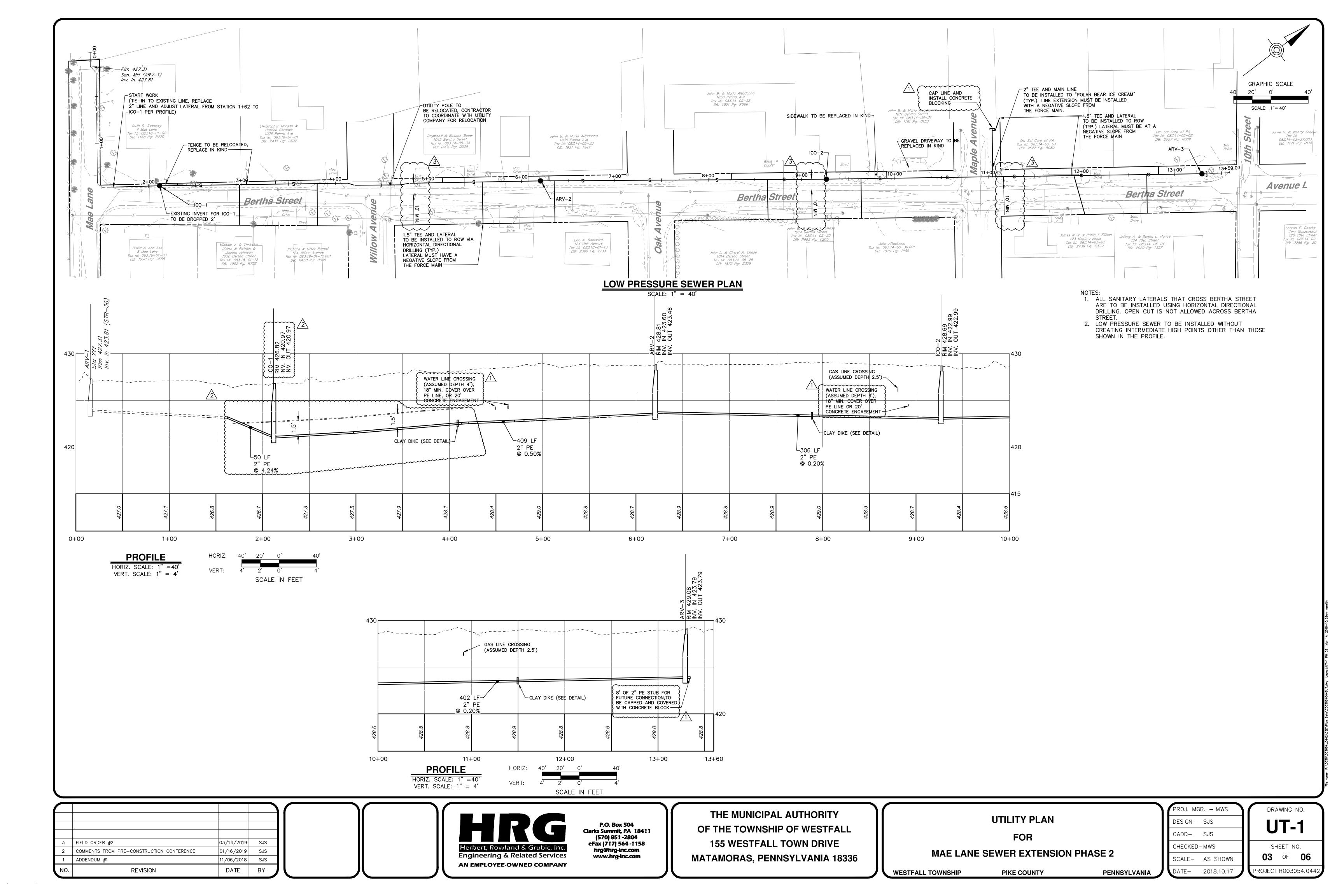
SANITARY SEWER SYSTEM SERVICE AREA WESTFALL TOWNSHIP PIKE COUNTY, PENNSYLVANIA





369 East Park Drive larrisburg, PA 17111 (717) 564-1121 Fax (717) 564-1158 hrg@hrg-inc.com





	2012	2013	
Ordinary Income/Expense			
Income			
Inspection Fees Receivable			
Processing Fees-Commercial			
4000 · Wastewater Processing	443,000	441,000	
Reserved Capacity Pre Paid Gall			
Sewage Charges			,
4010 · Residential Charges	120,000	137,000	
4020 · Utilized Reserve Capacity 4030 · Operator Fees	15,000	17,000	
4040 · Finance Charges			
Commercial Finance Charges			
Finance Charge Residential			
Returned Check Charges			
Total 4040 · Finance Charges	0	0	
4050 · Uncategorized Income			
Total Income	578,000	595,000	

	2012	2013	,
Expense			
Legislative Body 5200 · Audit Fees	E 500	F 000	C 4 1 4 12
	5,500	·-·	Contract + Audit
5201 · Bookkeeping Services	3,500	3,500	
5300 · Advertising 5305 · Association Dues	400 706	700 706	
5328 AutoFuel	1,350	1,500	
5310 · Education	500	500	<u> </u>
5315 Engineering Services	15,000	20,000	Contract Plus
5330 · Insurance		خضه	0 0 0
5210 · Bond Insurance for Employ	426	426	
5215 · Public Officials	1,999	2,475	
5335 · Workman's Compensation	470	500	
5330 · Insurance - Other			
Total 5330 · Insurance	2,895	3,401	
5340 · Legal Fees			
5345 · Inspection Fees			Will be offset by Fees Charged
5340 · Legal Fees -Other	11,500	18,500	Tony
Total 5340 · Legal Fees	11,500	18,500	
5350 · Mileage	300	100	•
5355 · Office Expense	1,500	1,500	
5360 · Office equipment	1,000		Scanner & Back Up System
5365 · Office supplies	1,000	1,500	ocaliner & back op system
5370 · Postage and Delivery	900	900	
5380 · Telephone	1,000	1,000	
5400 Payroll Expenses		1,000	
5400 Fayron Expenses 5402 Meeting Allowance	10,560	15 000	440X 24 + 4,440
5403 · Office Wages	20,800	17,000	
5405 · Payroll Taxes	2,500	2,500	
5400 Payroll Expenses - Other	2,000	2,000	
<u> </u>	22 960	24 500	
Total 5400 Payroll Expenses	33,860	34,500	
Total Legislative Body	79,911	94,607	

-	2012	2013	, and
5205 Donation	1,000	1,000	Scholarship
5245 · Travel & Ent			
5250 · Meals			
5245 · Travel & Ent - Other			
Total 5245 · Travel & Ent	0	0	10 100 1 100 10 1
10tai 5245 · Iravel & Ent		<u> </u>	
Pump Stations & Lines			
Repairs-Lines	0	2,500	
Repairs-Pump Stations	0	4,000	
Electric-Pump Stations	1,160	1,185	
Total Pump Stations & Lines	1,160	7,685	
E480 . Di+ 0++1		·	
5480 · Plant Opertations	1.000		
5490 Fuel Oil-Generator	1,000	750	
5495 · Propane 5500 · Electric-Plant	2,600	2,500	
	45,000	35,000	
5505 · Equipment Repairs	5,000 500	6,000	
5506 · Building Repairs 5510 · Equipment Replacement		1,000	
5515 · Laboratory Fees	7,400 8,320	7,500	
5525 · Operating Materials	25,000	28,000	154x52
5530 · PA One Call Fees	23,000	28,000	
5535 · Plant Operator Fees	79,260	83,000	CANAC
5545 · Sludge Removal	45,000	40,000	CAIVIO
5550 · Snow Removal	100	<u> </u>	Sand for Driveway
5555 · Telephone	3,900	<del></del>	4 - Lines
5560 · Waste Removal	600	600	4 - LINES
5565 · Insurance-Plant	30,000	30,000	-
5579 · Miscellaneous	1,000	1,000	
Total 5480 · Plant Opertations	254,680	247,508	
Total 3-80 Flant Operations	254,000	247,308	
6120 · Bank Service Charges	300	300	25x12 Scanner Fee
5225 · Mortgage Interest	83,400	135,000	
6600 · Misc.			
6800 · Depreciation Expense	205,339	200,000	
Total Expense	625,790	686,100	
Net Ordinary Income	-47,790	-91,100	
Other Income/Expense			
7010 · Interest Income	200	200	
Net Income(Loss)	-47,590	-90,900	

	2012	2013
Net Income(Loss)	-47,590	-90,900
Reverse Depreciation	205,339	200,000
Mortgage Principal Payments		60,000
Mortgage New Borrow		374,167
Grant Funds Receivable		678,259
Projects		
Sewer Improvements		813,669
Rose Lane Katz Commercial Pump Station		238,757
Total Engineering-Projects	0	1,052,426
CASH INCREASE/(SHORTAGE)	157,749	49,100

P. 004/004

## THE MUNCIPAL AUTHORITY OF THE TOWNSHIP OF WESTFALL STATEMENT OF NET POSITION FOR THE YEAR ENDED DECEMBER 31, 2018

_	<u>ASSETS</u>	
Current Assets Cash and cash equivalents Accounts receivable		\$ 568,415 281,315
Loan receivable - Westfall Township		164,453
Prepaid insurance Total Current Assets		19,290 1,033,473
Fixed Assets Equipment and furniture Sewage treatment plant Pump station Plant expansion - phase I Plant expansion - phase II Construction in progress Less: accumulated depreciation		128,973 4,491,835 490,995 3,038,843 2,021,155 202,545 10,374,346
Total Fixed Assets		3,236,370 7,137,976
Total Assets		\$ 8,171,449
LIABILIT	TIES AND NET POSITION	
Current Liabilities	LIABILITIES	
Accounts payable Payroll withholding taxes payable Unearned revenue Reserved capacity Current portion of long term debt Other liabilities		\$ 10,615 2,009 1,627 237,896 109,851 90
Total Current Liabilities		362,088
Long-Term Liabilities Note payable, net of current portion Total Liabilities		4,281,064 4,643,152
		4,043,132
Invested in capital assets, net of related durestricted Total Net Position	NET POSITION ebt	2,747,061 781,236 3,528,297
Total Liabilities and Net Posiiton	e 	\$ 8,171,449

The accompanying notes are an integral part of the financial statements.

# THE MUNICIPAL AUTHORITY OF THE TOWNSHIP OF WESTFALL STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION FOR THE YEAR ENDED DECEMBER 31, 2018

Consumer revenues         \$ 619,638           Operating Expenses         8,554           Accounting fees         8,554           Advertising         1,063           Bank charges         306           Depreciation expense         296,916           Donations         3,000           Dues         724           Employee benefits         8,682           Engineering         15,365           Equipment repairs         4,217           Insurance         39,397           Laboratory fees         8,338           Legal fees         12,880           Offsite collection expense         28,129           Office supplies         3,173           Operating materials         28,546           Payroll tax expense         2,872           Permits         3,542           Permits         3,991           Repairs and maintenance - general         1,114           Project expenses         6,530           Utilities         33,991           Repairs and maintenance - general         1,779           Wages and salaries         34,013           Sludge removal         5,120           Total Operating (Loss) Before Other Revenue and (Expe	Operating Revenues		
Operating Expenses         8,554           Accounting fees         8,554           Advertising         1,063           Bank charges         296,916           Depreciation expense         296,916           Donations         3,000           Dues         724           Employee benefits         8,682           Engineering         15,365           Equipment repairs         4,217           Insurance         39,397           Laboratory fees         8,338           Legal fees         12,880           Offsite collection expense         28,129           Office supplies         3,173           Operator fees         91,942           Operating materials         28,546           Payroll tax expense         2,872           Permits         1,118           Postage         1,118           Postage         1,118           Postage         1,118           Postage         3,3991           Repairs and maintenance - general         1,719           Wages and salaries         34,013           Sludge removal         54,120           Telephone         7,021           Vehicle expenses	Consumer revenues	\$	619,638
Accounting fees         8,554           Advertising         1,063           Bank charges         296,916           Depreciation expense         296,916           Donations         3,000           Dues         724           Employee benefits         8,682           Engineering         15,365           Equipment repairs         4,217           Insurance         39,337           Laboratory fees         8,338           Legal fees         12,880           Offsite collection expense         12,880           Offsite collection expense         12,880           Offsite outplies         3,173           Operating materials         28,526           Payroll tax expense         91,942           Operating materials         28,546           Payroll tax expense         3,530           Utilities         39,991           Repairs and maintenance - general         1,114           Project expenses         34,013           Sludge removal         54,120           Telephone         7,021           Vehicle expenses         1,017           Total Operating Expenses         1,017           Total Operating Expenses	Operating Function		
Advertising 1,063 Bank charges 296,916 Depreciation expense 296,916 Donations 3,000 Dues 724 Employee benefits 8,682 Engineering 15,365 Equipment repairs 4,217 Insurance 39,397 Laboratory fees 312,880 Offsite collection expense 28,129 Office supplies 3,173 Operator fees 91,942 Operating materials 28,546 Payroll tax expense 2,872 Permits 1,118 Postage 1,1141 Project expenses 6,530 Utilities 6,530 Utilities 8,301 Sludge removal 5,4120 Telephone 7,021 Vehicle expenses 1,017 Total Operating Expenses 1,017 Total Operating Expenses (81,136) Other Revenues and (Expenses) (81,136) Other Revenues and (Expenses) (98,840) Total Other Revenue and (Expenses) (99,621) Change in Net Position (175,757) Net Position at Beginning of Year			SA RESERVATION
Bank charges       306         Depreciation expense       296,916         Donations       3,000         Dues       724         Employee benefits       8,682         Engineering       15,365         Equipment repairs       4,217         Insurance       39,397         Laboratory fees       8,338         Legal fees       12,880         Offsite collection expense       28,129         Office supplies       3,173         Operator fees       91,942         Operating materials       28,546         Payroll tax expense       2,872         Permits       1,118         Postage       1,141         Project expenses       1,53         Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating Expenses       1,017         Total Operating (Loss) Before Other Revenue and (Expenses)       (81,136)         Interest income       4,219         Interest expense       (98,840) </td <td></td> <td></td> <td>559 100 000 000 000 000</td>			559 100 000 000 000 000
Depreciation expense         296,916           Donations         3,000           Dues         724           Employee benefits         8,682           Engineering         15,365           Equipment repairs         4,217           Insurance         39,397           Laboratory fees         8,338           Legal fees         12,880           Offsite collection expense         28,129           Office supplies         3,173           Operator fees         91,942           Operating materials         28,546           Payroll tax expense         2,872           Permits         1,118           Postage         1,141           Project expenses         6,530           Utilities         39,991           Repairs and maintenance - general         1,719           Wages and salaries         34,013           Sludge removal         54,120           Telephone         7,021           Vehicle expenses         1,017           Total Operating (Loss) Before Other Revenue and (Expenses)         (81,136)           Other Revenues and (Expenses)         (98,840)           Total Other Revenue and (Expenses)         (98,840)			
Donations         3,000           Dues         724           Employee benefits         8,682           Engineering         15,365           Equipment repairs         4,217           Insurance         39,397           Laboratory fees         8,338           Legal fees         12,880           Offsite collection expense         28,129           Office supplies         3,173           Operator fees         91,942           Operating materials         28,546           Payroll tax expense         2,872           Permits         1,118           Postage         1,141           Project expenses         6,530           Utilities         39,991           Repairs and maintenance - general         1,719           Wages and salaries         34,013           Sludge removal         54,120           Telephone         7,021           Vehicle expenses         1,017           Total Operating (Loss) Before Other Revenue and (Expenses)         (81,136)           Other Revenues and (Expenses)         (98,840)           Total Other Revenue and (Expenses)         (98,840)           Total Other Revenue and (Expenses)         (175,757) </td <td></td> <td></td> <td></td>			
Dues         724           Employee benefits         8,682           Engineering         15,365           Equipment repairs         4,217           Insurance         39,397           Laboratory fees         8,338           Legal fees         12,880           Offsite collection expense         28,129           Office supplies         3,173           Operator fees         91,942           Operating materials         28,546           Payroll tax expense         2,872           Permits         1,118           Postage         1,141           Project expenses         6,530           Utilities         39,991           Repairs and maintenance - general         1,719           Wages and salaries         34,013           Sludge removal         54,120           Telephone         7,021           Vehicle expenses         1,017           Total Operating Expenses         (81,36)           Other Revenues and (Expenses)         (98,840)           Interest income         4,219           Interest expense         (98,840)           Total Other Revenue and (Expenses)         (94,621)           Change in Net Position<			AND RESIDENCE OF THE PROPERTY
Employee benefits         8,682           Engineering         15,365           Equipment repairs         4,217           Insurance         39,397           Laboratory fees         8,338           Legal fees         12,880           Offsite collection expense         28,129           Office supplies         3,173           Operator fees         91,942           Operating materials         28,546           Payroll tax expense         2,872           Permits         1,118           Postage         1,118           Postage         1,141           Project expenses         6,530           Utilities         39,991           Repairs and maintenance - general         1,719           Wages and salaries         34,013           Sludge removal         54,120           Telephone         7,021           Vehicle expenses         1,017           Total Operating (Loss) Before Other Revenue and (Expenses)         (81,136)           Other Revenues and (Expenses)         (98,840)           Interest income         4,219           Interest expense         (98,840)           Total Other Revenue and (Expenses)         (98,840)			
Engineering         15,365           Equipment repairs         4,217           Insurance         39,397           Laboratory fees         8,338           Legal fees         12,880           Offsite collection expense         28,129           Office supplies         3,173           Operator fees         91,942           Operating materials         28,546           Payroll tax expense         2,872           Permits         1,118           Postage         1,141           Project expenses         6,530           Utilities         39,991           Repairs and maintenance - general         1,719           Wages and salaries         34,013           Sludge removal         54,120           Telephone         7,021           Vehicle expenses         1,017           Total Operating Expenses         700,774           Net Operating (Loss) Before Other Revenue and (Expenses)         (81,136)           Other Revenues and (Expenses)         (98,840)           Total Other Revenue and (Expenses)         (94,621)           Change in Net Position         (175,757)           Net Position at Beginning of Year         3,704,054			724
Equipment repairs       4,217         Insurance       39,397         Laboratory fees       8,338         Legal fees       12,880         Offsite collection expense       28,129         Office supplies       3,173         Operator fees       91,942         Operating materials       28,546         Payroll tax expense       2,872         Permits       1,118         Postage       1,141         Project expenses       6,530         Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating (Loss) Before Other Revenue and (Expenses)       (81,136)         Other Revenues and (Expenses)       (81,136)         Other Revenue and (Expenses)       (98,840)         Total Other Revenue and (Expenses)       (94,621)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054			8,682
Insurance 39,397 Laboratory fees 8,338 Legal fees 12,880 Offsite collection expense 28,129 Office supplies 3,173 Operator fees 91,942 Operating materials 28,546 Payroll tax expense 2,872 Permits 2,872 Permits 1,118 Postage 1,141 Project expenses 6,530 Utilities 39,991 Repairs and maintenance - general 3,719 Wages and salaries 34,013 Sludge removal 54,120 Telephone 7,021 Vehicle expenses 1,017 Total Operating Expenses 1,017 Total Operating (Loss) Before Other Revenue and (Expenses) (81,136) Other Revenues and (Expenses) (81,136) Other Revenue and (Expenses) (98,840) Total Other Revenue and (Expenses) (94,621) Change in Net Position (175,757) Net Position at Beginning of Year 3,704,054			15,365
Laboratory fees       8,338         Legal fees       12,880         Offsite collection expense       28,129         Office supplies       3,173         Operator fees       91,942         Operating materials       28,546         Payroll tax expense       2,872         Permits       1,118         Postage       1,141         Project expenses       6,530         Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating Expenses       (81,136)         Other Revenues and (Expenses)       (81,136)         Other Revenues and (Expenses)       (98,840)         Total Other Revenue and (Expenses)       (94,621)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054	20 No. 10		4,217
Legal fees       12,880         Offsite collection expense       28,129         Office supplies       3,173         Operator fees       91,942         Operating materials       28,546         Payroll tax expense       2,872         Permits       1,118         Postage       1,141         Project expenses       6,530         Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating Expenses       (81,136)         Other Revenues and (Expenses)       (81,136)         Other Revenues and (Expenses)       (98,840)         Total Other Revenue and (Expenses)       (94,621)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054			39,397
Offsite collection expense       28,129         Office supplies       3,173         Operator fees       91,942         Operating materials       28,546         Payroll tax expense       2,872         Permits       1,118         Postage       1,118         Project expenses       6,530         Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating Expenses       (81,136)         Other Revenues and (Expenses)       (81,136)         Other Revenues and (Expenses)       (98,840)         Interest income       4,219         Interest expense       (98,840)         Total Other Revenue and (Expenses)       (94,621)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054			8,338
Office supplies       3,173         Operator fees       91,942         Operating materials       28,546         Payroll tax expense       2,872         Permits       1,118         Postage       1,141         Project expenses       6,530         Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating Expenses       (81,136)         Other Revenues and (Expenses)       (81,136)         Other Revenues and (Expenses)       (98,840)         Total Other Revenue and (Expenses)       (98,840)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054			12,880
Operator fees         91,942           Operating materials         28,546           Payroll tax expense         2,872           Permits         1,118           Postage         1,141           Project expenses         6,530           Utilities         39,991           Repairs and maintenance - general         1,719           Wages and salaries         34,013           Sludge removal         54,120           Telephone         7,021           Vehicle expenses         1,017           Total Operating Expenses         (81,136)           Other Revenues and (Expenses)         (81,136)           Other Revenues and (Expenses)         (98,840)           Interest income         4,219           Interest expense         (98,840)           Total Other Revenue and (Expenses)         (94,621)           Change in Net Position         (175,757)           Net Position at Beginning of Year         3,704,054			28,129
Operating materials       28,546         Payroll tax expense       2,872         Permits       1,118         Postage       1,141         Project expenses       6,530         Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       700,774         Net Operating (Loss) Before Other Revenue and (Expenses)       (81,136)         Other Revenues and (Expenses)       (81,136)         Interest income       4,219         Interest expense       (98,840)         Total Other Revenue and (Expenses)       (94,621)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054			3,173
Operating materials       28,546         Payroll tax expense       2,872         Permits       1,118         Postage       1,141         Project expenses       6,530         Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating Expenses       (81,136)         Other Revenues and (Expenses)       (81,136)         Other Revenues and (Expenses)       (98,840)         Interest income       4,219         Interest expense       (98,840)         Total Other Revenue and (Expenses)       (94,621)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054			91,942
Payroll tax expense         2,872           Permits         1,118           Postage         1,141           Project expenses         6,530           Utilities         39,991           Repairs and maintenance - general         1,719           Wages and salaries         34,013           Sludge removal         54,120           Telephone         7,021           Vehicle expenses         1,017           Total Operating Expenses         (81,136)           Other Revenues and (Expenses)         (81,136)           Other Revenues and (Expenses)         (98,840)           Interest income         4,219           Interest expense         (98,840)           Total Other Revenue and (Expenses)         (94,621)           Change in Net Position         (175,757)           Net Position at Beginning of Year         3,704,054			
Permits       1,118         Postage       1,141         Project expenses       6,530         Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating Expenses       (81,136)         Other Revenues and (Expenses)       (81,136)         Other Revenues and (Expenses)       4,219         Interest income       4,219         Interest expense       (98,840)         Total Other Revenue and (Expenses)       (94,621)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054			
Project expenses       6,530         Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating Expenses       700,774         Net Operating (Loss) Before Other Revenue and (Expenses)       (81,136)         Other Revenues and (Expenses)       (98,840)         Interest income       4,219         Interest expense       (98,840)         Total Other Revenue and (Expenses)       (94,621)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054			
Project expenses       6,530         Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating Expenses       (81,136)         Other Revenues and (Expenses)       (81,136)         Other Revenues and (Expenses)       (98,840)         Interest income       4,219         Interest expense       (94,621)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054			
Utilities       39,991         Repairs and maintenance - general       1,719         Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating Expenses       (81,136)         Other Revenues and (Expenses)       (81,136)         Other Revenues and (Expenses)       4,219         Interest income       4,219         Interest expense       (98,840)         Total Other Revenue and (Expenses)       (94,621)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054			
1,719			
Wages and salaries       34,013         Sludge removal       54,120         Telephone       7,021         Vehicle expenses       1,017         Total Operating Expenses       700,774         Net Operating (Loss) Before Other Revenue and (Expenses)       (81,136)         Other Revenues and (Expenses)       4,219         Interest income       4,219         Interest expense       (98,840)         Total Other Revenue and (Expenses)       (94,621)         Change in Net Position       (175,757)         Net Position at Beginning of Year       3,704,054			
Sludge removal   54,120   7,021   7,021   7,021   7,021   7,021   7,021   7,021   7,021   7,021   7,021   7,021   7,021   7,021   7,0274   7,0274   7,0274   7,0274   7,0274   7,0274   7,02774			
Telephone Vehicle expenses Total Operating Expenses Total Operating (Loss) Before Other Revenue and (Expenses)  Other Revenues and (Expenses) Interest income Interest expense Total Other Revenue and (Expenses)  Change in Net Position Net Position at Beginning of Year  7,021 1,017 700,774 (81,136) (81,136) (98,840) (98,840) (94,621)			
Vehicle expenses Total Operating Expenses  Net Operating (Loss) Before Other Revenue and (Expenses)  Other Revenues and (Expenses)  Interest income Interest expense Total Other Revenue and (Expenses)  Change in Net Position  Net Position at Beginning of Year  1,017 700,774 (81,136) (81,136) (98,840) (98,840) (98,840) (94,621)			
Total Operating Expenses  Net Operating (Loss) Before Other Revenue and (Expenses)  Other Revenues and (Expenses)  Interest income Interest expense  Total Other Revenue and (Expenses)  Change in Net Position  Net Position at Beginning of Year  700,774  (81,136)  (98,840)  (98,840)  (175,757)  (175,757)  (175,757)			
Net Operating (Loss) Before Other Revenue and (Expenses)  Other Revenues and (Expenses)  Interest income	Total Operating Expenses		
Other Revenues and (Expenses) Interest income Interest expense Total Other Revenue and (Expenses)  Change in Net Position Net Position at Beginning of Year  (175,757) 3,704,054	Net Operating (Loss) Before Other Revenue and (Expenses)	5200	(81,136)
Interest income			(1
Interest expense (98,840) Total Other Revenue and (Expenses) (94,621)  Change in Net Position (175,757) Net Position at Beginning of Year 3,704,054	Interest income		1 210
Total Other Revenue and (Expenses)  Change in Net Position  Net Position at Beginning of Year  (175,757)  3,704,054	Interest expense		
Change in Net Position (175,757) Net Position at Beginning of Year 3,704,054	Total Other Revenue and (Expenses)		
Net Position at Beginning of Year 3,704,054	173 g 253		1-11-11
M-4 D141- 4 E 1 535		4	(175,757)
Net Position at End of Year \$ 3,528,297	Net Position at Beginning of Year		
	NET POSITION AT END OF YEAR	\$ 3	,528,297

# THE MUNICIPAL AUTHORITY OF THE TOWNSHIP OF WESTFALL STATEMENT OF CASH FLOWS FOR THE YEAR ENDING DECEMBER 31, 2018

Cash Flows From Operating Activities  Cash received from customers and grants  Cash paid for operating expenses  Cash paid for employment  Net Cash Provided by Operating Activities	\$ 496,392 (349,969) (36,885) 109,538
Cash Flows From Investing Activities Interest earned on bank balances	4,219
Net Cash Provided by Investing Activities	4,219
Cash Flows From Capital and Related Financing Activities Acquisition of fixed assets	(67,248)
Repayment portion of long-term debt Interest paid	(94,674) (98,840)
Net Cash (Used in) Capital and Related Financing Activities	(260,762)
Net (Decrease) in Cash Cash and cash equivalents - January 1 Cash and cash equivalents - December 31	(147,005) 715,420 \$ 568,415
Reconciliation of operating (loss) to net cash provided by operating activities:  Operating (loss)	\$ (81,136)
Adjustments to reconcile operating (loss) to net cash provided by operating activities:	
Depreciation expense	296,916
(Increase) decrease in current assets:	
Accounts receivable Loan receivable - Westfall Township Prepaid insurance	(123,246) (164,453) (19,290)
Increase (decrease) in current liabilities:	
Accounts payable Payroll withholding taxes payable	5,015 (329)
Unearned revenue	(325)
Reserved capacity Other current liabilities	196,296 90
Total adjustments	190,674
Net cash provided by operating activities	\$ 109,538

The accompanying notes are an integral part of the financial statements.

	2019	2020	
Ordinary Income/Expense			
Income			
Inspection Fees Receivable			
Processing Fees-Commercial			
4000 · Wastewater Processing	465,000	470,000	
Reserved Capacity Pre Paid Gallons		,,,,,	
Sewage Charges			
4010 · Residential Charges	157,000	158,000	17.
4020 · Utilized Reserve Capacity		,	
4030 · Operator Fees			42.00
4040 · Finance Charges			
Commercial Finance Charges			
Finance Charge Residential			
Returned Check Charges			
Total 4040 · Finance Charges	0	0	
4050 · Uncategorized Income			× 1
Total Income	622,000	628,000	

	2019	2020	
Expense			
Legislative Body			
5200 · Audit Fees	4,200	4 700	
5201 · Bookkeeping Services	4,200	4,700	
5300 · Advertising	900	4,200	
5305 · Association Dues	720	1,100 725	
5328 · Auto Fuel & Maint.	1,200	1,200	
5310 · Education	500	500	
5315 · Engineering Services	5,000	10,000	
5330 · Insurance	3,000	10,000	
5210 · Bond Insurance for Employ	275	275	
5215 · Public Officials	2,000	2,000	
5335 · Workman's Compensation	550	550	
5330 · Insurance -Health	8,200	9,500	
Total 5330 · Insurance	11,025	12,325	the second secon
5340 · Legal Fees	- 5,000	12,020	
5345 · Inspection Fees			Will be offset by Fees Charge
5340 · Legal Fees -Other	6,500	6,500	
Total 5340 · Legal Fees	6,500	6,500	
5350 · Mileage	100	100	
5355 · Office Expense	2,000	2,000	
5360 · Office Equipment	750	2,500	Computer
5365 · Office Supplies	1,250	1,250	
5370 · Postage and Delivery	1,000	1,200	
5380 · Telephone	1,800	1,700	
5400 · Payroll Expenses			
5402 · Meeting Allowance	13,800	13,800	575 X 24
5403 · Office Wages	30,000	32,000	
5404 · Inspector Wages			
5405 · Payroll Taxes	3,200	3,400	
5400 · Payroll Expenses - Other			
Total 5400 · Payroll Expenses	47,000	49,200	
Total Legislative Body	88,145	99,200	

	2019	2020	
		2020	
5205 · Donation	1,500	1,500	Scholarship & Fire Depts
5245 · Travel & Ent			
5250 · Meals		77.20 (2.00)	
5245 · Travel & Ent - Other			
Total 5245 · Travel & Ent	0	0	
Down Station & Vi			
Pump Stations & Lines Repairs-Lines			1
	5,000	5,000	
Repairs & Insurance-Pump Stations	27,500	13,000	
Electric-Pump Stations	5,500	5,500	A CONTRACTOR OF THE CONTRACTOR
Total Pump Stations & Lines	38,000	23,500	
5480 · Plant Operations			
5490 · Fuel Oil-Generator	500	600	
5495 · Propane	2,500	2,500	
5500 · Electric-Plant	32,000	34,000	
5505 · Equipment Repairs	4,000	4,000	
5506 · Building Repairs	4,000	4,000	
5510 · Equipment Replacement	5,000	5,000	
5515 · Laboratory Fees	8,500	9,000	
5520 · Landscaping	3,000	3,000	
5525 · Operating Materials	26,000	30,000	· ·
5535 · Plant Operator Fees	91,400		CAMO + Diane Burger
5545 · Sludge Removal	55,000	55,000	Need Extra for Emergencies
5550 · Snow Removal	100		Sand for Driveway
5555 · Telephone	5,500		4 - Lines
5560 · Waste Removal	1,300	1,500	
5565 · Insurance-Plant	38,000	40,500	
5567 · Plant Permits	1,650	1,200	
5579 · Miscellaneous	500	500	
Total 5480 · Plant Operations	278,950	291,600	
6120 · Bank Service Charges	350	350	25x12 Scanner Fee
5225 · Mortgage Interest	113,000	120,500	ZUXIZ DONNIEL LEG
6600 · Misc.		120,000	
6800 · Depreciation Expense	299,000	299,000	
Total Expense	818,945	835,650	
Net Ordinary Income	-196,945	-207,650	
Other Income/Expense	223,210	207,000	
7010 · Interest Income	6,700	9,000	
Net Income(Loss)	-190,245	-198,650	
			**

	COLO PINAL BUDG	d Think	
	2019	2020	
Net Income(Loss)			
Net Income(Loss)	-190,245	-198,650	
Reverse Depreciation	299,000	299,000	
Mortgage Principal Payments	97,377	89,300	
	2.,017	02,000	
Mortgage New Borrow			
Grant Funds Receivable			
Net Cash Flow Before Projects	11,378	11,050	
		-1,000	
Projects			
Mae Lane	F 000		
SBR PLC	5,000 30,000		
Bertha Street	110,000		
537 Plan	40,000	46,000	CLIDVEN
Fencing	0		32K OVER 2 YEARS
Fotal Engineering-Projects	185,000	62,000	
CASH INCREASE/(SHORTAGE)	-173,622	-50,950	