



**WEST NORRITON TOWNSHIP
MONTGOMERY COUNTY, PENNSYLVANIA**

**2021 Municipal Wasteload Management Report
(Chapter 94 Report)
For Calendar Year 2020**

Prepared For:

**West Norriton Township
1630 W. Marshall Street
Jeffersonville, PA 19403**

February 2021

File No. 2021-01115T

Prepared By:

**Gilmore & Associates, Inc.
Engineers ♦ Land Surveyors ♦ Planners ♦ GIS Consultants
65 E. Butler Avenue, Suite 100
New Britain, PA 18901
215-345-4330**



GILMORE & ASSOCIATES, INC.
ENGINEERING & CONSULTING SERVICES



1918 TO 2008: CELEBRATING NINETY YEARS OF ENGINEERING EXCELLENCE



CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT

For Calendar Year: 2020

- 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:	West Norriton Township	Permit No.:	PA (N/A)
Mailing Address:	1630 W. Marshall Street	Effective Date:	N/A
City, State, Zip:	Jeffersonville, PA 19403	Expiration Date:	N/A
Contact Person:	Jason Bobst	Renewal Due Date:	N/A
Title:	Township Manager	Municipality:	West Norriton Township
Phone:	(610) 631-0450	County:	Montgomery County
Email:	JBobst@WNTwp.com	Consultant Name:	Gilmore & Associates, 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> <p><input type="checkbox"/> Line graph for flows attached (Attachment)</p> <p><input type="checkbox"/> DEP Chapter 94 Spreadsheet used (Attachment)</p> <p><input checked="" type="checkbox"/> Section 1 is not applicable (report is for a collection system).</p>			
<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> <p><input type="checkbox"/> Line graph for organic loads attached (Attachment)</p> <p><input type="checkbox"/> DEP Chapter 94 Spreadsheet used (Attachment)</p> <p><input checked="" type="checkbox"/> Section 2 is not applicable (report is for a collection system).</p>			
<p>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))</p> <p>All flow is treated by Norritown Municipal Waste Authority at their wastewater treatment plant. See Attachment E.</p>			

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

Check the appropriate boxes:

- Map showing sewer extensions constructed, approved/exempted but not yet constructed, and proposed projects attached (**Attachment B**)
- List summarizing each extension or project attached (**Attachment A**)
- Schedules describing how each project will be completed over time and effects attached (**Attachment 1**)

Comments:

No new sewer or manholes were installed in 2020.
The sewer in Markley Farms Phase 1 & 2 has not been dedicated.
47 new connections occurred in 2020. See below and Attachment A - Table 1
Markley Farms Phase 2 - 28 new connections
Reserve at Stoney Creek - 9 new connections
1930 W. Main Street Laundromat - 8 new connections
1807 Sterigere Street - 1 new connection
2484 Stinson Lane - 1 new connection

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))

See Attachment C

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

Check the appropriate boxes:

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

Comments:

The Township is currently in the process of televising the and repairing the system as budget allows. See attached map of work done to date.

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 – 6)
 Discussion of condition of each pump station attached (**Attachment D**)

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

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

Check the appropriate boxes:

- Industrial waste report as described in 8 a., b. and c. attached (**Attachment F**)
 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 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**)

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 G**)

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).

Jason Bobst, Township Manager

Name of Responsible Official

(610) 631-0450

Telephone No.



Signature

February 16, 2021

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).

Thomas J. Figaniak, P.E.

Name of Preparer

(215) 345-4330

Telephone No.



Signature

February 16, 2021

Date

ATTACHMENT A

ACTIVE, APPROVED AND PLANNED DEVELOPMENT

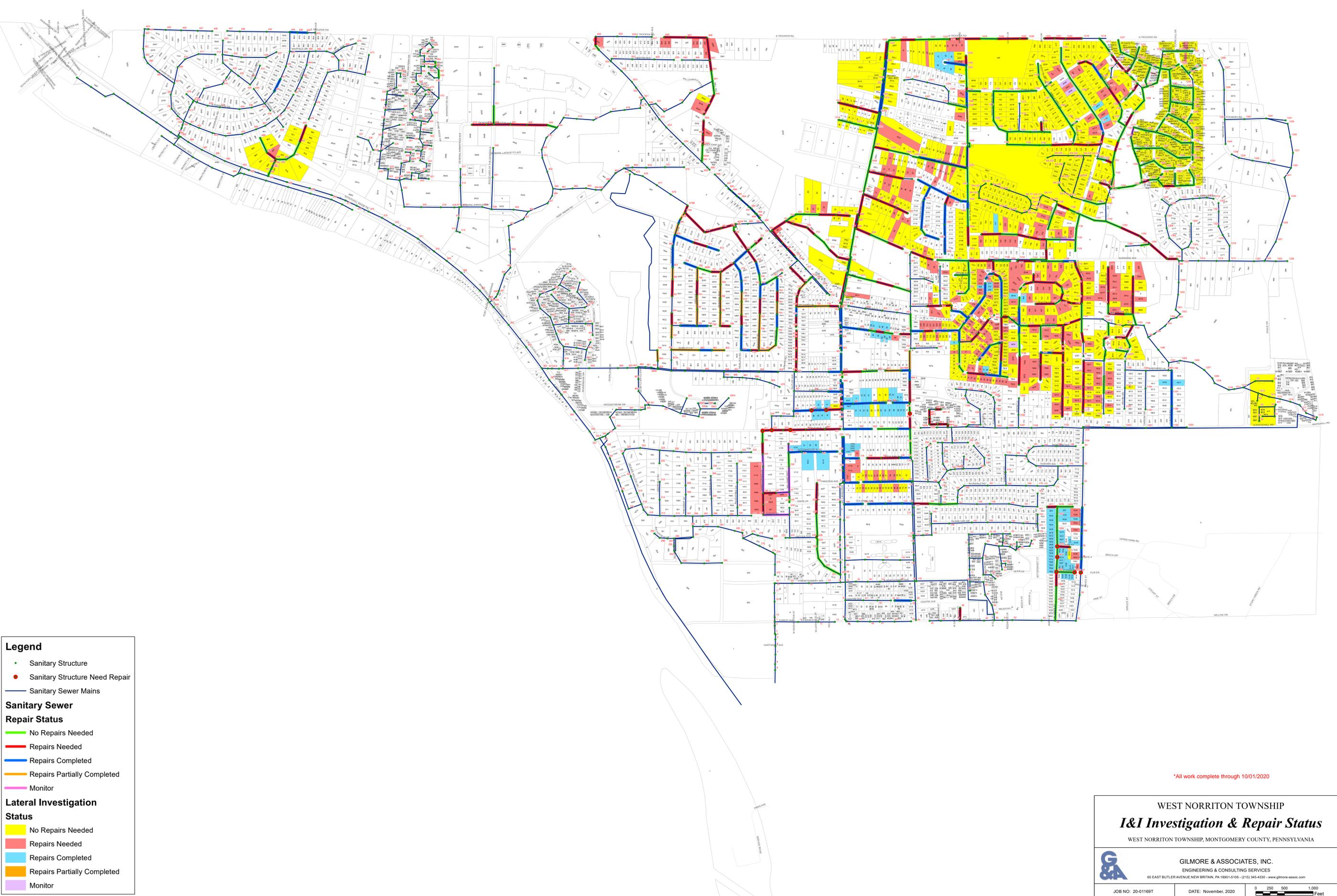
**TABLE 1
ACTIVE, APPROVED AND PLANNED DEVELOPMENTS
WEST NORRITON TOWNSHIP**

NAME		Drainage Basin	Status	Total Project Connections		Connections Prior to 2020		2020 Connections		Remaining EDUs		Projected Buildout Schedule											
Map Reference (1)	Approved Developments			EDUs		Flow		EDUs		Flow		Total		2021		2022		2023		2024		2025	
				EDUs	Flow	EDUs	Flow	EDUs	Flow	EDUs	Flow	EDUs	Flow	EDUs	Flow	EDUs	Flow	EDUs	Flow	EDUs	Flow	EDUs	Flow
1	The Reserve at Stoney Creek	Whitehall	Under Construction	51	14,535	16	4,560	9	2,565	26	7,410	10	2,850	10	2,850	6	1,710	0	0	0	0	10	2,850
2	Norristown School District	Whitehall	Approved	10	2,850	0	-	0	0	10	2,850	0	0	0	0	0	0	0	0	0	0	0	
3	Apartments at Schuylkill & Main Street	Rittenhouse	Under Construction	22	6,270	0	-	0	0	22	6,270	0	0	0	0	10	2,850	12	3,420	0	0	0	
4	Markley Farms	Whitehall	Under Construction	79	22,515	43	12,255	28	7,980	8	2,280	8	2,280	0	0	0	0	0	0	0	0	0	
5	2495 General Armistead: VA Outpatient	Rittenhouse	Under Construction	1	285	0	-	0	0	1	285	1	285	0	0	0	0	0	0	0	0	0	
6	1930 W. Main St.: Laundromat	Jackson	Connected	8	2,280	0	-	8	2,280	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	1807 Sterigere	Whitehall	Connected	1	285	0	-	1	285	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	2484 Stinson Lane	Rittenhouse	Connected	1	285	0	-	1	285	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	48 Potts Avenue	Chestnut	Approved	1	285	0	-	0	0	1	285	1	285	0	0	0	0	0	0	0	0	0	
10	2479 Stinson Lane	Rittenhouse	Approved	1	285	0	-	0	0	1	285	1	285	0	0	0	0	0	0	0	0	0	
Approved Sub Total EDUs / Flow				175	49,875	59	16,815	47	13,395	69	19,665	21	5,985	10	2,850	16	4,560	12	3,420	10	2,850		
Planned Developments																							
11	Office Building at 239 Egypt Road	Rittenhouse	In Planning Stages	11	3,135	0	-	0	-	11	3,135	0	0	0	0	0	0	0	0	0	11	3,135	
	Fill in Lots and OLDs	-	-					-	-	5	1,425	1	285	1	285	1	285	1	285	1	285		
Planned Sub Total EDUs / Flow				16	4,560					16	4,560	1	285	1	285	1	285	1	285	12	3,420		
TOTAL											85	24,225	22	6,270	11	3,135	17	4,845	13	3,705	22	6,270	

Notes:

- (1) See Attachment B for Development locations
- (2) Total Flow based on 1 EDU = 285 gpd

ATTACHMENT B
SANITARY SEWER SYSTEM MAP



Legend

- Sanitary Structure
- Sanitary Structure Need Repair
- Sanitary Sewer Mains

Sanitary Sewer Repair Status

- No Repairs Needed
- Repairs Needed
- Repairs Completed
- Repairs Partially Completed
- Monitor

Lateral Investigation Status

- No Repairs Needed
- Repairs Needed
- Repairs Completed
- Repairs Partially Completed
- Monitor

*All work complete through 10/01/2020

WEST NORRITON TOWNSHIP
I&I Investigation & Repair Status
 WEST NORRITON TOWNSHIP, MONTGOMERY COUNTY, PENNSYLVANIA

GILMORE & ASSOCIATES, INC.
 ENGINEERING & CONSULTING SERVICES
65 EAST BUTLER AVENUE NEW BRITAIN, PA 18901-5106 • (215) 345-4330 • www.gilmore-assoc.com

JOB NO: 20-01169T DATE: November, 2020 0 250 500 1,000 Feet

ATTACHMENT C

SANITARY SEWER SYSTEM

MONITORING, MAINTENANCE, REPAIR & REHABILITATION

SANITARY SEWER SYSTEM
MONITORING, MAINTENANCE, REPAIR & REHABILITATION

Pump Stations

West Norriton Township (WNT) currently performs routine maintenance on all pump stations owned and operated. Routine maintenance of the pump stations generally includes, but is not limited to, the following tasks:

- Inspected daily
- Wet wells cleaned
- Floats cleaned
- Standby pumps exercised
- Pumps lubricated
- Filter(s) cleaned
- Compressor tank drained of condensation and inspected
- Oil and coolant checked in generators
- Exercise generators
- Exercise alarms
- Bubbler system and sump pumps inspected
- Grease removed
- Basket cleaned
- Building(s) cleaned
- Grounds maintained

Specific maintenance performed and improvements made on the pump stations during 2020 can be found within Attachment D.

Collection System

WNT is continuously working to remove Inflow & Infiltration (I&I) from the sanitary sewer system. The map shows the sewers and manholes that were televised and repaired during 2020. Repairs to the sanitary sewers and manholes are continuously being prioritized as televising/repairs occurs. Corrective repair commenced during 2017 and continued through 2020. WNT has contracted with Sewer Specialty Services Co., Inc. and they are repairing mains/laterals utilizing trenchless technologies such as grouting and cured in place pipe (CIPP) repair liners. The Township works with additional contractors as needed when unanticipated work arises for work that is outside of the contract with Sewer Specialties Services Co., Inc. During 2020, the following was completed:

- 30,420 linear feet of sanitary sewer cleaned and televised
- 8,092 linear feet of sanitary hydraulically cleaned
- 6,336 linear feet of sanitary sewer light cleaned
- 843 sanitary sewer joints tested
- 558 sanitary sewer joints sealed with 1,611.5 gallons of grout
- 1 protruding lateral tap trimmed
- 2 laterals sealed with 15 gallons of grout
- 1 lateral cleaned
- 135 CIPP repairs installed

Since significant progress has been made by WNT to reduce I&I in the system and there is no more evidence that the sanitary sewer system is hydraulically overloaded, DEP has removed formal CAP/CMP oversight. WNT will continue to work with DEP to manage connections. Though the formal CAP/CMP is removed, WNT is still committed to continue with I&I remediation as funding is available. WNT is also committed to eliminate all illegal connections to the system, such as sump pumps, rain water conductors, and deficient laterals. WNT will continue inspections of properties at time of sale to locate any potential remaining connections.

ATTACHMENT D
PUMP STATION INFORMATION

PUMP STATION INFORMATION

The Township owns and maintains six (6) pump stations within the existing collection system:

- Rittenhouse Pump Station
- Whitehall Pump Station
- Forrest Avenue Pump Station
- Port Indian Pump Station
- Chestnut Avenue Pump Station
- Halford Hills Pump Station

1. Rittenhouse Pump Station: Originally constructed in 1965, was comprised of three (3)-75 hp pumps, each capable of 1,750 gpm. The pump station was configured in a wet/well dry well orientation. This station was upgraded circa 1983 and 1995, each time with larger pumps to accommodate additional flow. A new submersible pump station with an emergency generator was constructed in 2015 on the same site. The firm pumping capacity for the new pump station is 3,680 gallons per minute (gpm) (5.3 mgd) with two pumps operating. The system has a standard alarm system with a dialer to notify the Township of any problems.
2. Whitehall Pump Station: Constructed in 1965, is comprised of three (3)-60 hp pumps, each capable of 950 gpm. This station was upgraded in 1995 with pumps relocated from Rittenhouse Pump Station, each pump is 100 hp and capable of 1,750 gpm as part of the upgrade. PA DEP Water Quality Management (WQM) permit application for Whitehall Pump Station is approved. Project is currently on hold until funding is available.
3. Forrest Avenue Pump Station: Constructed in the 1960s, is comprised of two (2)-50 hp pumps, each capable of 600 gpm. This station was upgraded in the 1980s with the addition of an emergency generator. Pumps have been rebuilt in 2013.
4. Port Indian Pump Station: Constructed in the 1990s, is comprised of two (2)-40 hp pumps, each capable of 1,000 gpm. Pumps have been rebuilt in 2013.
5. Chestnut Avenue Pump Station: Constructed in the 1970s, is comprised of two (2)-15 hp pumps, each capable of 150 gpm. This pump station was replaced in 2004 with a new station with two (2)-20 pumps, capable of 180 gpm and an emergency generator.
6. Halford Hills Pump Station: Constructed in the 1970s, is comprised of two (2)-5 hp pumps, each capable of 25 gpm.

The following tables represent pump run times and flows for the six (6) collection system pump stations operated by the Township. Flow data has been included in the appendices to show the five (5) year summary of pump station flows for each pumping station.

ATTACHMENT D
TABLE 4
PUMP STATION INFORMATION
WEST NORRITON TOWNSHIP
2020

Name and Location of Pumping Station	Installation / Expansion Date	Number of Pumps	Pump Manufacturer	Drive Type	Capacity (gpm) each Pump	Maximum Pumping Capacity	Flow Meter	Standby Generator	Estimated Connected EDUs	Flow (mgd) 2020 Monthly Average / Peak	Additional EDUs Projected in Next 2 Years	Projected Flow in Next 2 Years (mgd) Average / Peak
Rittenhouse Boulevard	2015	3	Fairbanks-Morse	Variable	2500 gpm @124 ft. TDH	3,680 gpm - 5.3 mgd with 2 pumps	Yes	Yes	3,198	2.324 / 3.094	2 EDUs / 570 gpd / 0.0057 mgd	2.324 / 3.094
Chestnut Avenue	2004	2	Hydromatic	Fixed	180 gpm @30 ft. TDH	180 gpm - 0.259 mgd	Yes	Yes	280	0.069 / 0.086	1 EDU / 285 GPD / 0.0003	0.069 / 0.086
Whitehall Road	1994	3	Fairbanks-Morse	Variable	1750 gpm @220 ft. TDH	2625 gpm - 3.78 mgd with 2 pumps	Yes	Yes	1,588	0.594 / 0.822	28 EDUs / 7,9805 gpd / 0.008 mgd	0.602 / 0.822
Forest Avenue	1987	2	Chicago	Fixed	600 gpm @63 ft. TDH	600 gpm - 0.864 mgd	No	Yes	530	0.154 / 0.217	0	0.154 / 0.217
Port Indian Road	1999	2	Fairbanks-Morse	Fixed	1000 gpm @113 ft. TDH	1000 gpm -1.44 mgd	Yes	Yes	1,230	0.385 / 0.604	1 EDU / 285 GPD / 0.0003	0.386 / 0.604
Halford Hills	1995	2	Hydromatic	Fixed	25 gpm @50 ft. TDH	25 gpm - 0.036 mgd	No	No	10	0.0023 / 0.0033	0	0.0023 / 0.0033

1 EDU = 285 gpd

TABLE 5
PUMP STATIONS MONTHLY AVERAGE DAILY FLOWS
WEST NORRITON TOWNSHIP
2020

Month	Rittenhouse Blvd (gpd)	Whitehall Road (gpd)	Port Indian Road (gpd)	Forest Avenue (gpd)	Chestnut Avenue (gpd)	Halford Hills (gpd)
January	2,554,344	578,306	405,739	159,480	74,324	2,580
February	2,597,406	702,014	437,602	167,040	81,426	2,130
March	2,731,650	686,794	435,944	158,400	78,079	2,250
April	3,035,133	764,343	541,183	174,240	85,607	2,520
May	2,510,733	630,623	394,365	148,680	67,032	2,115
June	1,746,300	469,910	259,100	124,200	54,770	3,345
July	2,038,086	539,143	352,654	136,080	60,523	2,205
August	2,340,204	524,012	393,605	158,400	64,068	2,565
September	1,473,733	397,668	207,887	122,760	51,400	1,335
October	1,601,000	433,345	227,100	126,720	55,886	2,595
November	2,161,667	578,602	364,823	153,360	67,531	1,875
December	3,094,395	822,230	604,153	217,080	85,965	2,655
Average	2,323,721	593,916	385,346	153,870	68,884	2,348

2020 Chestnut Avenue Pump Station Annual Report

West Norriton Township
Montgomery County, Pennsylvania

PERIODS	PUMP #1		PUMP #2		PUMP STATION TOTAL FLOW	
	TOTAL RUN HOURS	AVE HOURS/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	GALLON	GAL/DAY
1/1/2020 - 2/1/2020	135.51	4.37	147.48	4.76	2,304,033	74,324
2/1/2020 - 3/1/2020	132.95	4.75	143.85	5.14	2,279,917	81,426
3/1/2020 - 4/1/2020	138.12	4.46	157.09	5.07	2,420,450	78,079
4/1/2020 - 5/1/2020	152.58	5.09	168.32	5.61	2,568,200	85,607
5/1/2020 - 6/1/2020	123.25	3.98	131.66	4.25	2,078,000	67,032
6/1/2020 - 7/1/2020	95.54	3.18	102.78	3.43	1,643,100	54,770
7/1/2020 - 8/1/2020	112.75	3.64	122.31	3.95	1,876,200	60,523
8/1/2020 - 9/1/2020	120.68	3.89	127.86	4.12	1,986,100	64,068
9/1/2020 - 10/1/2020	89.77	2.99	94.95	3.17	1,542,000	51,400
10/1/2020 - 11/1/2020	100.67	3.25	108.74	3.51	1,732,467	55,886
11/1/2020 - 12/1/2020	127.54	4.25	132.72	4.42	2,025,933	67,531
12/1/2020 - 1/1/2021	158.48	5.11	181.89	5.87	2,664,900	85,965
					Annual Average Month	68,884
					Peak Month	85,965
					Peaking Factor	1.25

2020 Whitehall Road Pump Station Annual Report
West Norriton Township
Montgomery County, Pennsylvania

PERIODS	PUMP #1		PUMP #2		PUMP #3		PUMP STATION TOTAL FLOW	
	TOTAL RUN HOURS	AVE HOURS/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	GALLON	GAL/DAY
1/1/2020 - 2/1/2020	213.47	6.89	125.77	4.06	327.70	10.57	17,927,500	578,306
2/1/2020 - 3/1/2020	192.53	6.42	372.03	12.40	327.30	10.91	19,656,400	702,014
3/1/2020 - 4/1/2020	109.80	3.66	23.90	1.84	488.40	12.28	21,290,600	686,794
4/1/2020 - 5/1/2020	203.80	6.79	385.80	12.86	159.80	5.33	22,930,300	764,343
5/1/2020 - 6/1/2020	266.60	8.89	288.00	9.60	165.90	5.53	19,549,300	630,623
6/1/2020 - 7/1/2020	216.90	7.23	218.90	7.30	284.10	9.47	14,097,300	469,910
7/1/2020 - 8/1/2020	368.58	11.89	284.08	9.16	138.95	4.48	16,713,433	539,143
8/1/2020 - 9/1/2020	194.72	6.28	298.82	9.64	215.15	6.94	16,244,367	524,012
9/1/2020 - 10/1/2020	280.25	9.34	203.20	6.77	216.30	7.21	11,930,050	397,668
10/1/2020 - 11/1/2020	251.02	8.10	245.30	7.91	254.70	8.22	13,433,683	433,345
11/1/2020 - 12/1/2020	235.03	7.83	261.10	8.70	245.20	8.17	17,358,067	578,602
12/1/2020 - 1/1/2021	441.45	14.24	Off	Off	317.13	10.23	25,489,125	822,230
							Annual Average Month	593,916
							Peak Month	822,230
							Peaking Factor	1.38

2020 Forest Avenue Pump Station Annual Report

West Norriton Township
Montgomery County, Pennsylvania

PERIODS	PUMP #1			PUMP #2			PUMP STATION TOTAL FLOW	
	TOTAL RUN HOURS	AVE HOURS/DAY	GAL/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	GAL/DAY	GALLON	GAL/DAY
1/1/2020 - 2/1/2020	69.23	2.23	80,280	68.27	2.20	79,200	4,950,000	159,480
2/1/2020 - 3/1/2020	65.32	2.33	83,880	64.67	2.31	83,160	4,679,640	167,040
3/1/2020 - 4/1/2020	68.65	2.21	79,560	67.87	2.19	78,840	4,914,720	158,400
4/1/2020 - 5/1/2020	73.10	2.44	87,840	72.10	2.40	86,400	5,227,200	174,240
5/1/2020 - 6/1/2020	64.50	2.08	74,880	63.60	2.05	73,800	4,611,600	148,680
6/1/2020 - 7/1/2020	51.90	1.73	62,280	51.70	1.72	61,920	3,729,600	124,200
7/1/2020 - 8/1/2020	58.73	1.89	68,040	58.67	1.89	68,040	4,226,400	136,080
8/1/2020 - 9/1/2020	63.57	2.05	73,800	72.83	2.35	84,600	4,910,400	158,400
9/1/2020 - 10/1/2020	50.70	1.69	60,840	51.50	1.72	61,920	3,679,200	122,760
10/1/2020 - 11/1/2020	54.70	1.76	63,360	54.47	1.76	63,360	3,930,120	126,720
11/1/2020 - 12/1/2020	94.10	3.14	113,040	33.53	1.12	40,320	4,594,680	153,360
12/1/2020 - 1/1/2021	186.90	6.03	217,080	0.00	0.00	0	6,728,400	217,080
							Annual Average Month	153,870
							Peak Month	217,080
							Peaking Factor	1.41

2020 Port Indian Pump Station Annual Report

West Norriton Township

Montgomery County, Pennsylvania

PERIODS	PUMP #1		PUMP #2		PUMP STATION TOTAL FLOW	
	TOTAL RUN HOURS	AVE HOURS/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	GALLON	GAL/DAY
1/1/2020 - 2/1/2020	174.21	5.81	123.72	4.12	12,577,900	405,739
2/1/2020 - 3/1/2020	148.26	4.94	125.14	4.17	12,252,850	437,602
3/1/2020 - 4/1/2020	146.26	4.88	117.24	3.91	13,514,250	435,944
4/1/2020 - 5/1/2020	283.55	9.45	50.18	1.67	16,235,500	541,183
5/1/2020 - 6/1/2020	110.72	3.69	98.61	3.29	12,225,300	394,365
6/1/2020 - 7/1/2020	77.19	2.57	68.81	2.29	7,773,000	259,100
7/1/2020 - 8/1/2020	105.06	3.39	96.11	3.10	10,932,260	352,654
8/1/2020 - 9/1/2020	121.42	3.92	108.1	3.49	12,201,740	393,605
9/1/2020 - 10/1/2020	30.33	1.01	54.52	1.82	6,236,600	207,887
10/1/2020 - 11/1/2020	97.89	3.16	60.77	1.96	7,040,100	227,100
11/1/2020 - 12/1/2020	108.46	3.62	91.98	3.07	10,944,700	364,823
12/1/2020 - 1/1/2021	190.77	6.15	176.62	5.70	18,728,750	604,153
Annual Average Month						385,346
Peak Month						604,153
Peaking Factor						1.57

2020 Halford Hills Estates Pump Station Annual Report
West Norriton Township
Montgomery County, Pennsylvania

PERIODS	PUMP #1			PUMP #2			PUMP STATION TOTAL FLOW	
	TOTAL RUN HOURS	AVE HOURS/DAY	GAL/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	GAL/DAY	GALLON	GAL/DAY
1/1/2020 - 2/1/2020	35.27	1.14	1,710	18.04	0.58	870	79,965	2,580
2/1/2020 - 3/1/2020	26.20	0.94	1,410	13.48	0.48	720	59,520	2,130
3/1/2020 - 4/1/2020	30.36	0.98	1,470	15.99	0.52	780	69,525	2,250
4/1/2020 - 5/1/2020	33.41	1.11	1,665	17.03	0.57	855	75,660	2,520
5/1/2020 - 6/1/2020	28.90	0.93	1,395	14.84	0.48	720	65,610	2,115
6/1/2020 - 7/1/2020	55.44	1.85	2,775	11.27	0.38	570	100,065	3,345
7/1/2020 - 8/1/2020	29.95	0.97	1,455	15.44	0.50	750	68,085	2,205
8/1/2020 - 9/1/2020	33.95	1.1	1,650	18.98	0.61	915	79,395	2,565
9/1/2020 - 10/1/2020	11.69	0.39	585	14.88	0.50	750	39,855	1,335
10/1/2020 - 11/1/2020	36.19	1.17	1,755	17.50	0.56	840	80,535	2,595
11/1/2020 - 12/1/2020	23.69	0.79	1,185	13.72	0.46	690	56,115	1,875
12/1/2020 - 1/1/2021	36.90	1.19	1,785	17.90	0.58	870	82,200	2,655
							Annual Average Month	2,348
							Peak Month	3,345
							Peaking Factor	1.42

2020 Rittenhouse Pump Station Annual Report
West Norriton Township
Montgomery County, Pennsylvania

PERIODS	PUMP #1		PUMP #2		PUMP #3		PUMP STATION TOTAL FLOW	
	TOTAL RUN HOURS	AVE HOURS/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	GALLONS	GAL/DAY
1/1/2020 - 2/1/2020	239.57	7.99	236.08	7.87	232.20	7.74	76,360,333	2,554,344
2/1/2020 - 3/1/2020	235.03	7.83	232.72	7.76	231.45	7.72	77,922,167	2,597,406
3/1/2020 - 4/1/2020	271.70	9.06	262.85	8.76	255.95	8.53	81,949,500	2,731,650
4/1/2020 - 5/1/2020	261.10	8.70	254.00	8.47	248.70	8.29	91,054,000	3,035,133
5/1/2020 - 6/1/2020	234.10	7.80	231.70	7.72	227.50	7.58	75,322,000	2,510,733
6/1/2020 - 7/1/2020	213.80	7.13	204.10	6.80	295.50	9.85	52,389,000	1,746,300
7/1/2020 - 8/1/2020	216.14	6.97	212.67	6.86	106.63	3.44	63,180,667	2,038,086
8/1/2020 - 9/1/2020	244.36	7.88	244.73	7.89	229.17	7.39	72,546,333	2,340,204
9/1/2020 - 10/1/2020	200.30	6.68	183.60	6.12	184.00	6.13	44,212,000	1,473,733
10/1/2020 - 11/1/2020	211.97	6.84	201.87	6.51	188.27	6.07	49,631,000	1,601,000
11/1/2020 - 12/1/2020	236.13	7.87	231.03	7.70	221.93	7.40	64,850,000	2,161,667
12/1/2020 - 1/1/2021	295.80	9.54	295.92	9.55	288.48	9.31	95,926,250	3,094,395
Annual Average Month							2,323,721	
Peak Month							3,094,395	
Peaking Factor							1.33	

ATTACHMENT E
MONTHLY ADF TO NMWA

**Table 6
2020 TOTAL FLOW TO NORRISTOWN
WEST NORRITON TOWNSHIP**

Average Daily Flow	Rittenhouse Blvd Pump Station (gpd)	Jackson Street Pit (gpd)	Total Flow to Norristown (gpd)
January	2,554,344	146,924	2,701,268
February	2,597,406	240,762	2,838,168
March	2,731,650	155,445	2,887,095
April	3,035,133	256,957	3,292,090
May	2,510,733	275,416	2,786,149
June	1,746,300	227,427	1,973,727
July	2,038,086	258,561	2,296,647
August	2,340,204	272,626	2,612,830
September	1,473,733	224,830	1,698,563
October	1,601,000	206,658	1,807,658
November	2,161,667	213,640	2,375,307
December	3,094,395	260,271	3,354,666

Average total flow (gpd)	27,884,651	2,739,516	30,624,167
Average Daily Flow (gpd)	2,323,721	228,293	2,552,014

Table 7
Average Daily Flow to NMWA (2008 to 2020)
West Norriton Township

Rittenhouse Pump Station

Month	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	1,140,058	1,456,990	1,463,313	829,881	1,631,760	1,708,296	1,847,377	1,765,629	1,418,064	1,316,032	1,545,870	3,335,826	2,554,344
February	1,766,872	559,437	1,722,096	1,505,254	1,204,106	1,603,490	3,119,342	1,649,457	2,902,034	1,270,321	3,219,714	3,161,036	2,597,406
March	1,846,990	515,907	2,755,964	2,072,793	1,304,838	1,684,645	233,590	2,617,167	1,724,129	1,829,354	3,624,032	3,391,649	2,731,650
April	977,496	544,155	1,361,187	1,515,407	1,724,400	1,310,723	2,577,086	3,009,310	1,401,366	1,710,233	2,449,800	2,535,270	3,035,133
May	1,196,496	540,160	778,958	1,063,490	1,660,581	1,212,654	2,603,622	1,071,816	1,766,419	1,650,709	2,658,733	2,920,500	2,510,733
June	858,186	576,791	637,826	551,286	1,411,733	2,491,360	1,517,076	1,598,126	1,128,400	1,748,633	2,992,933	3,015,833	1,746,300
July	1,008,148	571,476	806,335	503,868	1,160,841	1,681,932	1,037,000	1,751,812	1,043,032	1,770,258	2,438,613	2,190,839	2,038,086
August	611,941	1,197,658	764,652	1,320,574	1,297,906	1,549,880	931,329	1,026,774	887,709	1,719,645	3,143,258	1,741,565	2,340,204
September	1,086,073	1,130,403	696,443	2,465,300	1,538,583	980,463	966,586	1,425,910	986,100	1,399,866	3,051,066	1,366,483	1,473,733
October	953,025	1,310,132	955,535	1,613,858	1,481,161	1,054,687	971,709	1,240,903	897,483	1,380,613	2,607,935	1,663,258	1,601,000
November	1,012,316	1,013,466	753,803	1,322,593	1,372,833	1,012,422	1,245,956	953,266	1,054,833	1,607,500	3,822,066	2,001,922	2,161,667
December	1,922,929	2,076,363	896,903	2,257,632	1,686,839	1,855,090	1,643,680	1,680,290	1,350,677	1,486,967	3,146,064	2,705,495	3,094,395
Total flow (gpd)	14,380,530	11,492,938	13,593,015	17,021,936	17,475,581	18,145,642	18,694,353	19,790,460	16,560,246	18,890,131	34,700,084	30,029,675	27,884,651
Average daily (gpd)	1,198,378	957,745	1,132,751	1,418,495	1,456,298	1,512,137	1,557,863	1,649,205	1,380,021	1,574,178	2,891,674	2,502,473	2,323,721

Jackson Street

Month	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
January	790,335	769,226	957,096	926,654	774,271	501,065	549,006	465,968	321,458	465,968	380,893	167,535	146,924
February	778,410	702,625	984,242	1,181,932	627,951	324,078	381,053	357,029	370,917	357,029	358,636	228,871	240,762
March	939,700	634,481	1,199,387	1,382,040	441,216	293,412	455,265	413,816	357,858	413,816	305,284	264,713	155,445
April	891,593	787,590	1,057,330	1,107,757	404,566	293,516	363,277	418,336	391,640	418,336	282,746	226,526	256,957
May	976,874	799,035	844,048	821,629	315,281	422,419	333,000	401,526	366,465	401,526	454,340	264,794	275,416
June	737,986	818,420	810,590	910,306	42,916	422,650	402,150	374,006	422,190	374,006	291,976	234,052	227,427
July	572,561	711,158	721,716	780,844	359,752	314,109	427,270	382,194	299,829	382,194	278,948	280,426	258,561
August	730,770	919,719	604,587	965,958	318,684	509,303	437,970	392,509	427,322	392,509	338,738	268,497	272,626
September	519,453	841,158	749,493	921,690	198,200	494,650	368,222	405,593	399,580	405,593	293,736	270,903	224,830
October	605,374	914,658	944,132	629,923	264,568	387,968	393,510	292,897	311,125	292,897	223,765	256,116	206,658
November	723,646	865,060	899,283	1,031,928	356,193	348,340	336,196	321,070	314,900	321,070	309,236	122,233	213,640
December	839,361	1,062,719	962,383	599,409	381,393	405,984	416,813	287,471	405,265	287,471	276,477	138,516	260,271
Total flow (gpd)	9,106,063	9,825,849	10,734,287	11,260,070	4,484,991	4,717,494	4,863,732	4,512,415	4,388,549	4,512,415	3,794,775	2,723,182	2,739,516
Average daily (gpd)	758,839	818,821	894,524	938,339	373,749	393,125	405,311	376,035	365,712	376,035	316,231	226,932	228,293

Rainfall

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Average daily to NMWA (gpd)	1,957,216	1,776,566	2,027,275	2,356,834	1,830,048	1,905,261	1,963,174	2,025,240	1,745,733	1,950,212	3,207,905	2,729,405	2,552,014
Total precipitation (inch)	41.78	48.17	44.06	54.19	44.56	49.64	39.99	23.59	38.12	39.12	74.62	75.62	57.18

* 2015 Precipitation from www.accuweather.com for 19403

**2016-2020 precipitation from NMWA

ATTACHMENT F
INDUSTRIAL WASTES

INDUSTRIAL WASTES

All industrial wastes is required to meet the Industrial Pretreatment Standards of NWMA.

ATTACHMENT G
FLOW METER CALIBRATION REPORTS

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555
PHONE: (717) 940-1987

*****SERVICE REPORT*****

WEST NORRITON
1630 WEST MARSHALL
JEFFERSONVILLE, PA 19403

SERVICE DATE: 6/16/2020
METER#: C2000 AB
LOCATION: RITTENHOUSE PUMP STATION
SERIAL #: 356807
MANUFACTURER: SPARLING/CHESELL
RECORDER: 392
TRANSMITTER: FM656-185-1A3-0
PRIMARY: MAG
MAXIMUM CAPACITY: 10,000 GPM
SERVICE CONTRACT: QUARTERLY

WORK PERFORMED

CLEANED EQUIPMENT: X **PRIMARY:** X

RECORDER CALIBRATION **CHECKED AT:** 0, 25, 50 & 100%
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TOTALIZER CALIBRATION **CHECKED AT:** OPERATING RATE
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TRANSMITTER CALIBRATION
INTERNAL SIMULATION
ERROR: 0% **CORRECTED ACCURACY:** ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY.

SERVICE REPRESENTATIVE: DAVID MOORE **PERSON SEEN:** TONY TUSKI
copies-

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555
PHONE: (717) 940-1987

*****SERVICE REPORT*****

WEST NORRITON
1630 WEST MARSHALL
JEFFERSONVILLE, PA 19403

SERVICE DATE: 6/16/2020
METER#: C2000 AA
LOCATION: JACKSON STREET
SERIAL #: 9902E3010E6/US21707-001
MANUFACTURER: E & H/CHESELL
RECORDER: 392
TRANSMITTER: FMU90
PRIMARY: 9" PARSHALL FLUME
MAXIMUM CAPACITY: 3.5 MGD
SERVICE CONTRACT: QUARTERLY

WORK PERFORMED

CLEANED EQUIPMENT: X **PRIMARY:** X

RECORDER CALIBRATION **CHECKED AT:** 0, 25, 50 & 100%
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TOTALIZER CALIBRATION **CHECKED AT:** 0, 25, 50 & 100%
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TRANSMITTER CALIBRATION
FLOW MEASUREMENTS
ERROR: 0% **CORRECTED ACCURACY:** ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY.

SERVICE REPRESENTATIVE: DAVID MOORE **PERSON SEEN:** TONY TUSKI
copies-

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555
PHONE: (717) 940-1987

*****SERVICE REPORT*****

WEST NORRITON
1630 WEST MARSHALL
JEFFERSONVILLE, PA 19403

SERVICE DATE: 6/16/2020
METER#: C2000 AC
LOCATION: WHITEHALL ROAD
SERIAL #: 8503A0455
MANUFACTURER: FISCHER & PORTER
RECORDER: 51C1102DZ
TRANSMITTER: 50PZ1112
PRIMARY: MAG X
MAXIMUM CAPACITY: 3,000 GPM
SERVICE CONTRACT: QUARTERLY

WORK PERFORMED

CLEANED EQUIPMENT: X **PRIMARY:** X

RECORDER CALIBRATION **CHECKED AT:** 0, 15, 50 & 80%
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TOTALIZER CALIBRATION **CHECKED AT:** 0, 15, 50 & 80%
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TRANSMITTER CALIBRATION
0, 15, 50 & 80%
ERROR: 0% **CORRECTED ACCURACY:** ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY.

SERVICE REPRESENTATIVE: DAVID MOORE **PERSON SEEN:** TONY TUSKI
copies-

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555
PHONE: (717) 940-1987

*****SERVICE REPORT*****

WEST NORRITON
1630 WEST MARSHALL
JEFFERSONVILLE, PA 19403

SERVICE DATE: 6/16/2020
METER#: C2000 AD
LOCATION: PORT INDIAN
SERIAL #: 160612-FA-18621692
MANUFACTURER: F&P / OMEGA
RECORDER: 1392
TRANSMITTER: FDT-21W
PRIMARY: 8 INCH
MAXIMUM CAPACITY: 1500 GPM
SERVICE CONTRACT: QUARTERLY

WORK PERFORMED

CLEANED EQUIPMENT: X PRIMARY: X

RECORDER CALIBRATION CHECKED AT: 0, 25, 50 & 100%
ERROR: 0% CORRECTED ACCURACY: $\pm 1\%$

TOTALIZER CALIBRATION CHECKED AT: 0, 50 & 100%
ERROR: 0% CORRECTED ACCURACY: $\pm 1\%$

TRANSMITTER CALIBRATION
CHECKED OUTPUT AT ZERO FLOW
ERROR: 0% CORRECTED ACCURACY: $\pm 1\%$

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY.

SERVICE REPRESENTATIVE: DAVID MOORE PERSON SEEN: TONY TUSKI
copies-

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555

PHONE: (717) 940-1987

*****SERVICE REPORT*****

WEST NORRITON
1630 WEST MARSHALL
JEFFERSONVILLE, PA 19403

SERVICE DATE: 6/16/2020
METER#: C2000 AE
LOCATION: CHESTNUT STREET
SERIAL #: N28401/20/4
MANUFACTURER: ABB
RECORDER: 1900 COMMANDER
TRANSMITTER: MAGMASTER
PRIMARY: 4 INCH
MAXIMUM CAPACITY: 500 GPM
SERVICE CONTRACT: QUARTERLY

WORK PERFORMED

CLEANED EQUIPMENT: X **PRIMARY:** X

RECORDER CALIBRATION **CHECKED AT:** 0, 25, 50 & 100%
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TOTALIZER CALIBRATION **CHECKED AT:** ZERO & FLOW RATE
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TRANSMITTER CALIBRATION
CHECKED OUTPUT AT ZERO & FLOW RATE
ERROR: 0% **CORRECTED ACCURACY:** ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY.

SERVICE REPRESENTATIVE: DAVID MOORE **PERSON SEEN:** TONY TUSKI
copies-

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555
PHONE: (717) 940-1987

*****SERVICE REPORT*****

WEST NORRITON
1630 WEST MARSHALL
JEFFERSONVILLE, PA 19403

SERVICE DATE: 6/16/2020
METER#: C2000 AF
LOCATION: MONTGOMERY STREET
SERIAL #: US21223-001-01-01-37-07
MANUFACTURER: E & H/ CHESSELL
RECORDER: 392
TRANSMITTER: FMU 90
PRIMARY: 90° V-NOTCH
MAXIMUM CAPACITY: 1,000 GPM
SERVICE CONTRACT: QUARTERLY

WORK PERFORMED

CLEANED EQUIPMENT: X **PRIMARY:** X

RECORDER CALIBRATION **CHECKED AT:** 0,25,50,75,& 100%
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TOTALIZER CALIBRATION **CHECKED AT:** 0,25,50,75, & 100%
ERROR: 0% **CORRECTED ACCURACY:** ± 1%

TRANSMITTER CALIBRATION
FLOW MEASUREMENTS
ERROR: 0% **CORRECTED ACCURACY:** ± 1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY.

SERVICE REPRESENTATIVE: DAVID MOORE **PERSON SEEN:** TONY TUSKI
copies-

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555
PHONE: (717) 940-1987

*****SERVICE REPORT*****

WEST NORRITON
1630 WEST MARSHALL
JEFFERSONVILLE, PA 19403

SERVICE DATE: 6/16/2020
METER#: C2000 AB
LOCATION: RITTENHOUSE PUMP STATION
SERIAL #: 356807
MANUFACTURER: SPARLING/CHESELL
RECORDER: 392
TRANSMITTER: FM656-185-1A3-0
PRIMARY: MAG
MAXIMUM CAPACITY: 10,000 GPM
SERVICE CONTRACT: QUARTERLY

WORK PERFORMED

CLEANED EQUIPMENT: X **PRIMARY:** X

RECORDER CALIBRATION **CHECKED AT:** 0, 25, 50 & 100%
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TOTALIZER CALIBRATION **CHECKED AT:** OPERATING RATE
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TRANSMITTER CALIBRATION
INTERNAL SIMULATION
ERROR: 0% **CORRECTED ACCURACY:** ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY.

SERVICE REPRESENTATIVE: DAVID MOORE **PERSON SEEN:** TONY TUSKI
copies-

TheMeterGuy, LLC.

5758 GLEN OAKS DRIVE NARVON, PA 17555
PHONE: (717) 940-1987

*****SERVICE REPORT*****

WEST NORRITON
1630 WEST MARSHALL
JEFFERSONVILLE, PA 19403

SERVICE DATE: 7/27/2020
METER#: C2000 AA
LOCATION: JACKSON STREET
SERIAL #: 45048050/AKI000950
MANUFACTURER: KROHNE/PARTLOW
RECORDER: MRC5000
TRANSMITTER: OPTISOUND
PRIMARY: 9" PARSHALL FLUME
MAXIMUM CAPACITY: 3.5 MGD
SERVICE CONTRACT: QUARTERLY

WORK PERFORMED

CLEANED EQUIPMENT: X **PRIMARY:** X

RECORDER CALIBRATION **CHECKED AT:** 0, 25, 50 & 100%
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TOTALIZER CALIBRATION **CHECKED AT:** 0, 25, 50 & 100%
ERROR: 0% **CORRECTED ACCURACY:** ±1%

TRANSMITTER CALIBRATION
FLOW MEASUREMENTS
ERROR: 0% **CORRECTED ACCURACY:** ±1%

COMMENTS: INSTALLED NEW FLOW METER AND RECORDER. LEFT EQUIPMENT OPERATING PROPERLY.

SERVICE REPRESENTATIVE: DAVID MOORE **PERSON SEEN:** TONY TUSKI
copies-