



**WEST NORRITON TOWNSHIP  
MONTGOMERY COUNTY, PENNSYLVANIA**

**2024 Municipal Wasteload Management Report  
(Chapter 94 Report)  
For Calendar Year 2023**

**Prepared For:**

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

**March 2024**

**File No. 2024-00054**

**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**



## CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT

**For Calendar Year: 2023**

- 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: <b>West Norriton Township</b>	Permit No.: <b>PA (N/A)</b>
Mailing Address: <b>1630 W. Marshall Street</b>	Effective Date: <b>N/A</b>
City, State, Zip: <b>Jeffersonville, PA 19403</b>	Expiration Date: <b>N/A</b>
Contact Person: <b>Jason M. Bobst</b>	Renewal Due Date: <b>N/A</b>
Title: <b>Township Manager</b>	Municipality: <b>West Norriton Township</b>
Phone: <b>(610) 631-0450</b>	County: <b>Montgomery County</b>
Email: <b>jbobst@wntwp.com</b>	Consultant Name: <b>Gilmore &amp; Associates, Inc.</b>
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. (<u>25 Pa. Code § 94.12(a)(1)</u>)</p> <p><b>Check the appropriate boxes:</b></p> <p><input type="checkbox"/> Line graph for flows attached (<b>Attachment</b> )</p> <p><input type="checkbox"/> DEP Chapter 94 Spreadsheet used (<b>Attachment</b> )</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. (<u>25 Pa. Code § 94.12(a)(2)</u>)</p> <p><b>Check the appropriate boxes:</b></p> <p><input type="checkbox"/> Line graph for organic loads attached (<b>Attachment</b> )</p> <p><input type="checkbox"/> DEP Chapter 94 Spreadsheet used (<b>Attachment</b> )</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. (<u>25 Pa. Code § 94.12(a)(3)</u>)</p> <p><b>All flow is treated by Norritown Municipal Waste Authority at their wastewater treatment plant. See Attachment E.</b></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 2023.  
The sewer in Markley Farms Ph. 2 has been dedicated (556 LF of 8" Sewer, 13 manholes).  
10 new connections (10 EDUs) occurred in 2023. See below and Attachment A - Table 1  
Reserve at Stoney Creek - 10 new connections**

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 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 M. Bobst, Township Manager**

Name of Responsible Official

**(610) 631-0450**

Telephone No.

Signature

**March 12, 2024**

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

**March 12, 2024**

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 2023		2023 Connections		Remaining EDUs		Projected Buildout Schedule									
Reference #	Approved Developments			EDUs	Flow	EDUs	Flow	EDUs	Flow	Total EDUs	Total Flow <sup>(1)</sup>	2024		2025		2026		2027		2028	
												EDUs	Flow	EDUs	Flow	EDUs	Flow	EDUs	Flow	EDUs	Flow
1	The Reserve at Stoney Creek	Whitehall	Under Construction	51	14,535	41	11,685	10	2,850	0	0	0	0	0	0	0	0	0	0	0	0
2	Norristown School District	Whitehall	Approved	10	2,850	0	-	0	0	10	2,850	0	0	0	0	0	0	0	0	10	2,850
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
4	81 W. Indian Lane	Rittenhouse	Under Construction	1	285	0	-	0	0	1	285	1	285	0	0	0	0	0	0	0	0
5	2580 Industy Lane (Dan Moore Tree Service)	Whitehall	Approved	1	285	0	-	0	0	1	285	1	285	0	0	0	0	0	0	0	0
<b>Approved Sub Total EDUs / Flow</b>				<b>85</b>	<b>24,225</b>	<b>41</b>	<b>11,685</b>	<b>10</b>	<b>2,850</b>	<b>34</b>	<b>9,690</b>	<b>2</b>	<b>570</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2,850</b>	<b>12</b>	<b>3,420</b>	<b>10</b>	<b>2,850</b>

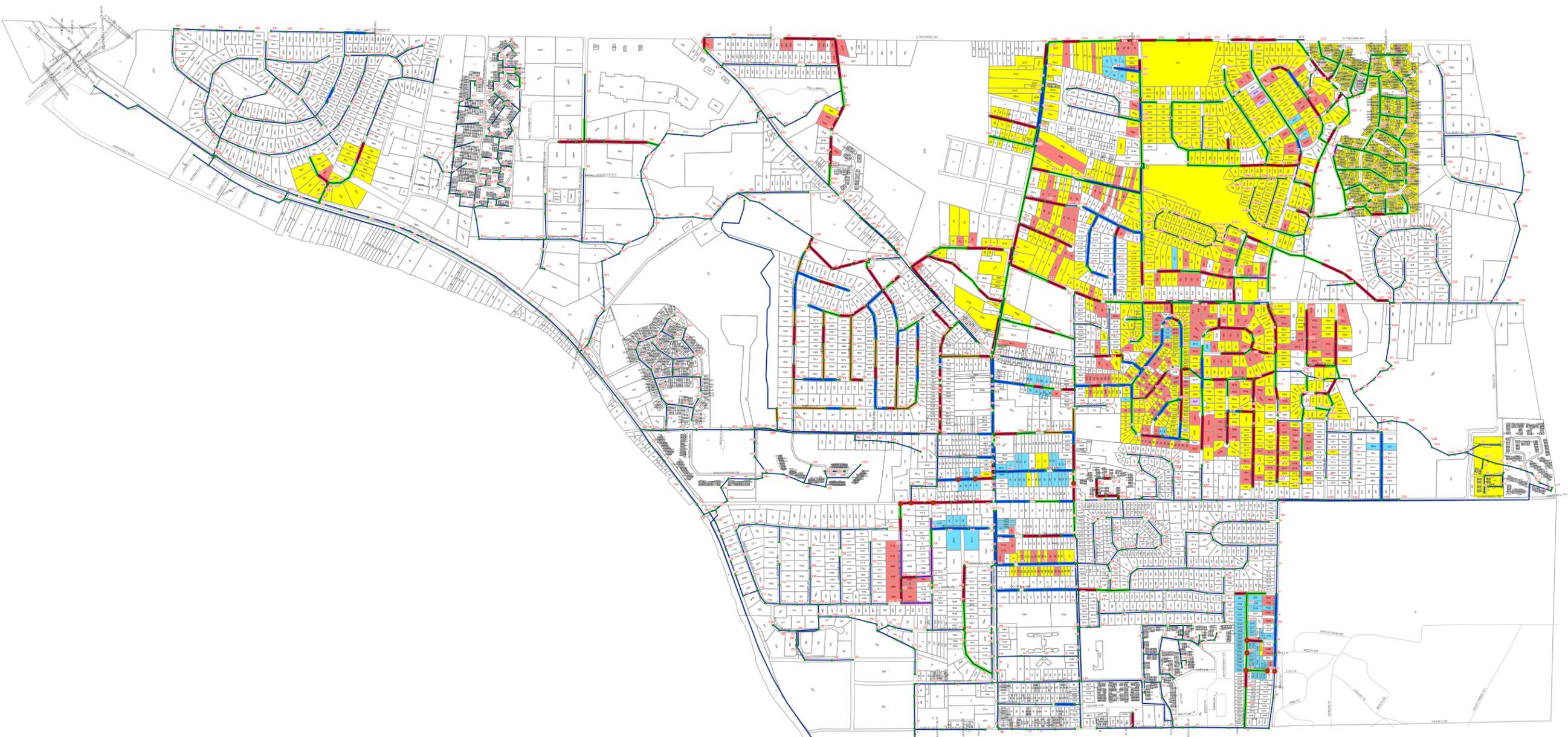
Reference #	Planned Developments	Drainage Basin	Status	EDUs	Flow	EDUs	Flow	EDUs	Flow	Total EDUs	Total Flow <sup>(1)</sup>	2024		2025		2026		2027		2028		
												EDUs	Flow	EDUs	Flow	EDUs	Flow	EDUs	Flow	EDUs	Flow	
6	Office Building at 239 Egypt Road	Rittenhouse	In Planning Stages	11	3135	0	-	0	-	11	3,135	0	0	0	0	0	0	0	0	11	3,135	
7	TLC Carwash	Port Indian	In Planning Stages	13	3705	0	-	0	-	13	3,705	0	0	13	3,705	0	0	0	0	0	0	
	Fill in Lots and OLDs	-	-					-	-	5	1,425	1	285	1	285	1	285	1	285	1	285	
<b>Planned Sub Total EDUs / Flow</b>											<b>29</b>	<b>8,265</b>	<b>1</b>	<b>285</b>	<b>14</b>	<b>3,990</b>	<b>1</b>	<b>285</b>	<b>1</b>	<b>285</b>	<b>12</b>	<b>3,420</b>

<b>TOTAL</b>	<b>63</b>	<b>17,955</b>	<b>3</b>	<b>855</b>	<b>14</b>	<b>3,990</b>	<b>11</b>	<b>3,135</b>	<b>13</b>	<b>3,705</b>	<b>22</b>	<b>6,270</b>
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**Notes:**  
(1) 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 12/31/2023

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

**GILMORE & ASSOCIATES, INC.**  
ENGINEERING & CONSULTING SERVICES  
69 EAST BUTLER AVENUE, NEW BRITAIN, PA 18643-2016 • (215) 545-1300 • www.gilmore-associates.com

JOB NO: 20-0116BT      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 2023 can be found within Attachment D, "Pump Station Information".

**Collection System**

WNT is continuously working to identify and remove Inflow & Infiltration (I&I) from its sanitary sewer system. The Sanitary Sewer System Map, Attachment B, identifies the sewers and manholes that were televised and repaired to date through 2023. Needed repairs to the sanitary sewers and manholes are continuously being investigated and prioritized as televising/repairs occur. Significant corrective repair efforts commenced during 2017 and continued through 2022. Although no televising work was performed in 2023, the Township plans to continue to televise/repair the collection system as budget allows. . WNT has worked with various contractors as needed for repairing mains/laterals, predominantly utilizing trenchless technologies such as grouting and cured in place pipe (CIPP) repair liners. The Township also works with contractors as needed when unanticipated work arises.

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 eliminating all illegal connections to the system, such as sump pumps, rainwater conductors, and deficient laterals. WNT will continue inspections of properties during the home sale process 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, was 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 were rebuilt in 2013. The station was renovated in 2021 for safety concerns and replaced with two (2)-15 hp pumps, each capable of 600 gpm.
4. Port Indian Pump Station: Constructed in the 1990s, is comprised of two (2)-40 hp pumps, each capable of 1,000 gpm. Pumps were 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 hp 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 Rittenhouse Pump Station and Jackson Street flows to NMWA.

**ATTACHMENT D**  
**TABLE 4**  
**PUMP STATION INFORMATION**  
**WEST NORRITON TOWNSHIP**  
**2023**

Name and Location of Pumping Station	Installation / Expansion Date	Number & Size of Pumps	Pump Manufacturer	Drive Type	Capacity (gpm) each Pump	Maximum Pumping Capacity	Flow Meter	Standby Generator	Estimated Connected EDUs	Flow (mgd) 2023 Monthly Average / Peak	Additional EDUs Projected in Next 2 Years	Projected Flow (mgd) in Next 2 Years Average / Peak
Rittenhouse Boulevard	2015	3 Pumps 125 hp each	Fairbanks-Morse	Variable	2500 gpm @124 ft. TDH	3,680 gpm - 5.3 mgd with 2 pumps	Yes	Yes	3,198	2.781 / 3.591	1 EDUs / 285 gpd / 0.0003 mgd	2.7813 / 3.5913
Whitehall Road	1994	3 Pumps 100 hp each	Fairbanks-Morse	Variable	1750 gpm @220 ft. TDH	2625 gpm - 3.78 mgd with 2 pumps	Yes	Yes	1,598	0.717 / 2.232	1 EDUs / 285 gpd / 0.0003 mgd	0.7173 / 2.2323
Forest Avenue	2021	2 Pumps 15 hp each	Fairbanks Nijhuis	Fixed	600 gpm @63 ft. TDH	600 gpm - 0.864 mgd	Yes	Yes	530	0.259 / 0.411	0 EDUs / 0 gpd / 0.000 mgd	0.259 / 0.411
Port Indian Road	1999	2 Pumps 40 hp each	Fairbanks-Morse	Fixed	1000 gpm @113 ft. TDH	1000 gpm -1.44 mgd	Yes	Yes	1,230	0.245 / 0.594	13 EDUs / 3,705 gpd / 0.0037 mgd	0.2487 / 0.5977
Chestnut Avenue	2004	2 Pumps 20 hp each	Hydromatic	Fixed	180 gpm @30 ft. TDH	180 gpm - 0.259 mgd	Yes	Yes	280	0.088 / 0.155	0 EDUs / 0 gpd / 0.000 mgd	0.088 / 0.155
Halford Hills	1995	2 Pumps 5 hp each	Hydromatic	Fixed	25 gpm @50 ft. TDH	25 gpm - 0.036 mgd	No	No	10	0.0022 / 0.0029	0 EDUs / 0 gpd / 0.000 mgd	0.0022 / 0.0029

1 EDU = 285 gpd

**TABLE 5**  
**PUMP STATIONS MONTHLY AVERAGE DAILY FLOWS**  
**WEST NORRITON TOWNSHIP**  
**2023**

<b>Month</b>	<b>Rittenhouse Blvd (gpd)</b>	<b>Whitehall Road (gpd)</b>	<b>Port Indian Road (gpd)</b>	<b>Forest Avenue (gpd)</b>	<b>Chestnut Avenue (gpd)</b>	<b>Halford Hills (gpd)</b>
January	3,590,791	782,677	192,646	240,135	97,554	2,175
February	3,034,541	607,857	306,014	154,357	154,607	1,875
March	3,330,446	2,231,840	170,450	121,878	80,658	2,850
April	2,607,357	570,900	270,403	207,944	69,333	2,400
May	2,669,548	576,423	238,580	268,385	74,619	2,180
June	2,285,900	493,080	250,823	292,108	68,583	2,070
July	2,907,749	630,525	93,161	279,601	78,088	1,953
August	2,829,395	489,581	101,302	201,325	116,971	2,074
September	2,632,489	519,767	252,076	310,032	69,918	2,050
October	2,269,911	453,452	239,245	308,784	68,452	1,845
November	2,009,281	415,167	232,777	309,832	70,519	2,197
December	3,202,362	837,161	593,582	411,282	102,241	2,690
<b>Average</b>	2,780,814	717,369	245,088	258,805	87,629	2,196
<b>Peak</b>	3,590,791	2,231,840	593,582	411,282	154,607	2,850

# 2023 Rittenhouse Pump Station Annual Report

West Norriton Township  
Montgomery County, Pennsylvania

MONTH	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
January	N/A	N/A	18.33	0.75	371.50	15.47	86,179,000	3,590,791
February	136.40	5.40	208.92	8.67	221.50	9.55	72,829,000	3,034,541
March	129.10	5.05	374.05	15.15	223.30	9.05	79,312,000	3,330,446
April	179.05	6.07	-	-	448.00	16.00	73,006,000	2,607,357
May	-	-	-	-	-	-	82,756,000	2,669,548
June	-	-	-	-	-	-	68,577,000	2,285,900
July	-	-	-	-	-	-	90,140,234	2,907,749
August	-	-	-	-	-	-	87,711,251	2,829,395
September	-	-	-	-	-	-	78,974,668	2,632,489
October	-	-	-	-	-	-	70,367,251	2,269,911
November	-	-	-	-	-	-	60,278,417	2,009,281
December	-	-	-	-	-	-	99,273,212	3,202,362
<b>Annual Average Month</b>								<b>2,780,814</b>
<b>Peak Month</b>								<b>3,590,791</b>
<b>Peaking Factor</b>								<b>1.29</b>

Months	Comments
January	Pump #1 at Deckman's for seal failure, pulled by Dave then installed on 1/11/2023.
February	Pumps are in good working order. All normal operations.
March	Pumps are in good working order. All normal operations. 3/7/2023 Meter Guy calibrated meter.
April	4/2/2023- High level, no power. The generator did not transfer trip breaker. Call West Generator to repair. 4/2/2023- Pump #2 seal fail. Turned off pump and called Dave to repair.
June	6/16/2023: Meter Guy calibrated meter.

# 2023 Whitehall Road Pump Station Annual Report

West Norriton Township  
Montgomery County, Pennsylvania

MONTH	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
January	29.75	1.67	258.00	10.75	234.33	9.75	24,286,300	782,677
February	226.72	9.42	224.00	9.55	223.08	9.33	17,020,000	607,857
March	233.00	75.00	232.12	56.02	230.08	29.15	69,187,051	2,231,840
April	224.03	8.00	224.12	8.00	223.08	7.15	15,985,200	570,900
May	-	-	-	-	-	-	17,869,100	576,423
June	-	-	-	-	-	-	14,792,400	493,080
July	-	-	-	-	-	-	20,176,800	630,525
August	-	-	-	-	-	-	15,177,000	489,581
September	-	-	-	-	-	-	15,593,000	519,767
October	-	-	-	-	-	-	14,057,000	453,452
November	-	-	-	-	-	-	12,455,000	415,167
December	-	-	-	-	-	-	25,952,000	837,161
<b>Annual Average Month</b>								717,369
<b>Peak Month</b>								2,231,840
<b>Peaking Factor</b>								3.11

Months	Comments
January	Pumps are in good working order. All normal operations.
February	Pumps are in good working order. All normal operations.
March	Pumps are in good working order. All normal operations. The weeds need to be cut around station and cleaned up. 3/7/23 Meter Guy calibrated meter.
April	All normal operations.
July	Pump failed to run 7/16/2023

# 2023 Forest Avenue Pump Station Annual Report

West Norriton Township  
Montgomery County, Pennsylvania

MONTH	PUMP #1		PUMP #2		PUMP STATION TOTAL FLOW	
	TOTAL RUN HOURS	AVE HOURS/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	GALLON	GAL/DAY
January	107.33	3.83	107.00	3.83	7,444,192	240,135
February	82.17	2.92	78.33	2.75	4,322,011	154,357
March	89.70	3.97	88.70	3.88	3,778,231	121,878
April	83.15	2.15	84.02	3.00	5,822,450	207,944
May	-	-	-	-	8,051,560	268,385
June	-	-	-	-	8,763,225	292,108
July	-	-	-	-	8,667,622	279,601
August	-	-	-	-	6,241,078	201,325
September	-	-	-	-	9,300,959	310,032
October	-	-	-	-	9,572,305	308,784
November	-	-	-	-	9,294,955	309,832
December	-	-	-	-	12,749,737	411,282
<b>Annual Average Month</b>					<b>258,805</b>	
<b>Peak Month</b>					<b>411,282</b>	
<b>Peaking Factor</b>					<b>1.59</b>	

Months	Comments
January	Pump station is in good working order. All normal operations.
February	Pump station is in good working order. All normal operations.
March	Pump station is in good working order. All normal operations. 3/7/2023 Pump #2 clogged. Dave cleaned out pump and restarted.
April	All normal operations.
June	6/8/2023: Mcgovern cleaned wet well; Meter Guy calibrated meter.
July	7/14/2023 Pump #1 closed for repair, Dave to repair
October	10/1/2023: McGovern cleaned wet well.
November	11/3/2023: Changed filters; 11/27/2023: Meter calibrated by Meter Guy

# 2023 Port Indian Pump Station Annual Report

West Norriton Township  
Montgomery County, Pennsylvania

MONTH	PUMP #1		PUMP #2		PUMP STATION TOTAL FLOW	
	TOTAL RUN HOURS	AVE HOURS/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	GALLONS	GAL/DAY
January	284.78	11.87	106.62	4.45	5,966,405	192,646
February	85.95	3.58	71.40	2.97	8,568,406	306,014
March	89.65	74.78	3.72	3.18	4,090,940	170,450
April	68.75	2.73	57.65	2.08	7,571,297	270,403
May	-	-	-	-	7,157,408	238,580
June	-	-	-	-	7,524,696	250,823
July	-	-	-	-	2,888,000	93,161
August	-	-	-	-	3,140,366	101,302
September	-	-	-	-	7,562,268	252,076
October	-	-	-	-	7,416,592	239,245
November	-	-	-	-	6,983,304	232,777
December	-	-	-	-	18,401,036	593,582
<b>Annual Average Month</b>						<b>245,088</b>
<b>Peak Month</b>						593,582
<b>Peaking Factor</b>						2.42

Months	Comments
January	Pumps are in good working order. All normal operations.
February	Pumps are in good working order. All normal operations.
March	Pumps are in good working order. All normal operations. 3/7/23 Meter Guy calibrated meter.
November	11/27/23: Meter Guy calibrated meter.

# 2023 Chestnut Avenue Pump Station Annual Report

West Norriton Township  
Montgomery County, Pennsylvania

MONTH	PUMP #1		PUMP #2		PUMP STATION TOTAL FLOW	
	TOTAL RUN HOURS	AVE HOURS/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	GALLON	GAL/DAY
January	151.42	4.83	361.32	11.67	3,024,200	97,554
February	152.00	5.37	161.95	6.75	4,329,000	154,607
March	143.98	5.98	187.65	7.82	2,500,400	80,658
April	122.07	4.05	152.00	5.07	2,080,000	69,333
May	-	-	-	-	2,313,200	74,619
June	-	-	-	-	2,057,500	68,583
July	-	-	-	-	2,498,800	78,088
August	123.16	-	143.84	-	3,626,088	116,971
September	131.96	-	155.03	-	2,097,553	69,918
October	123.34	-	144.28	-	2,121,997	68,452
November	139.48	-	142.24	-	2,115,569	70,519
December	222.06	-	232.15	-	3,169,468	102,241
<b>Annual Average Month</b>					<b>87,629</b>	
<b>Peak Month</b>					<b>154,607</b>	
<b>Peaking Factor</b>					<b>1.76</b>	

Months	Comments
January	Pumps are in good working order. All normal operations.
February	Pumps are in good working order. All normal operations.
March	Pumps are in good working order. All normal operations. 3/7/23 Meter Guy calibrated meter.
April	All normal operations.
October	10/2/2023: McGovern cleaned wet well.
November	11/27/2023: Meter Calibrated by Meter Guy.

# 2023 Halford Hills Estates Pump Station Annual Report

West Norriton Township  
Montgomery County, Pennsylvania

MONTH	PUMP #1		PUMP #2		PUMP STATION TOTAL FLOW	
	TOTAL RUN HOURS	AVE HOURS/DAY	TOTAL RUN HOURS	AVE HOURS/DAY	GALLON	GAL/DAY
January	27.33	0.95	16.33	0.50	65,500	2,175
February	22.17	0.80	12.47	0.45	51,950	1,875
March	27.92	1.23	16.03	0.67	65,925	2,850
April	22.75	0.80	13.73	0.80	54,725	2,400
May	27.80	0.93	15.79	0.53	65,385	2,180
June	26.75	0.89	14.65	0.49	62,100	2,070
July	25.49	0.82	14.87	0.48	60,540	1,953
August	27.38	0.88	15.49	0.50	64,305	2,074
September	26.39	0.88	14.60	0.49	61,485	2,050
October	24.17	0.78	13.95	0.45	57,180	1,845
November	28.43	0.95	15.50	0.52	65,895	2,197
December	37.04	1.19	18.55	0.60	83,385	2,690
<b>Annual Average Month</b>						<b>2,196</b>
<b>Peak Month</b>						<b>2,850</b>
<b>Peaking Factor</b>						<b>1.30</b>

Months	Comments
January	Pumps are in good working order. All normal operations.
February	Pumps are in good working order. All normal operations.
March	Pumps are in good working order. All normal operations. The weeds need to be cut around station and cleaned up.
April	All normal operations. Weeds in pump station are 3 FT high and need to be cleared ASAP.
October	10/2/2023: McGovern cleaned wet well.

# 2023 Jackson Street Metering Pit Annual Report

West Norriton Township  
Montgomery County, Pennsylvania

MONTH	TOTAL FLOW	
	GALLONS	GAL/DAY
January	5,060,100	210,837
February	5,430,100	193,932
March	7,175,800	231,477
April	55,705	1,989
May	4,654,000	150,129
June	6,332,000	211,067
July	2,715,000	87,581
August	1,515,000	48,871
September	2,763,000	92,100
October	8,719,000	281,258
November	11,713,000	390,433
December	8,675,900	279,868
	<b>Annual Average Month</b>	<b>181,628</b>
	<b>Peak Month</b>	<b>390,433</b>
	<b>Peaking Factor</b>	<b>2.15</b>

Months	
March	Pumps are in good working order. All normal operations. No clogs in manhole or main lines. 3/8/23 Dave Harwick repaired modem on Sheraton Lane.
April	All normal operations.
June	6/16/2023: Meter Guy calibrated meter.
November	11/27/2023: Meter Guy calibrated meter.

# 2023 Montgomery Avenue Metering Pit Annual Report

West Norriton Township  
 Montgomery County, Pennsylvania

PERIODS	TOTAL FLOW	
	GALLONS	GAL/DAY
January	-	-
February	-	-
March	-	-
April	220,369	7,599
May	16,349,255	527,395
June	19,446,982	670,586
July	26,693,102	861,068
August	-	-
September	24,968,497	832,283
October	18,571,557	599,082
November	12,962,845	432,095
December	-	-
	<b>Annual Average Month</b>	<b>561,444</b>
	<b>Peak Month</b>	<b>861,068</b>
	<b>Peaking Factor</b>	<b>1.53</b>

**ATTACHMENT E**  
**MONTHLY ADF TO NMWA**

**Table 6  
2023 TOTAL FLOW TO NORRISTOWN  
WEST NORRITON TOWNSHIP**

<b>Average Daily Flow</b>	<b>Rittenhouse Blvd Pump Station (gpd)</b>	<b>Jackson Street Pit (gpd)</b>	<b>Total Flow to Norristown (gpd)</b>
January	3,590,791	210,837	3,801,628
February	3,034,541	193,932	3,228,473
March	3,330,446	231,477	3,561,923
April	2,607,357	1,989	2,609,346
May	2,669,548	150,129	2,819,677
June	2,285,900	211,067	2,496,967
July	2,907,749	87,581	2,995,330
August	2,829,395	48,871	2,878,266
September	2,632,489	92,100	2,724,589
October	2,269,911	281,258	2,551,169
November	2,009,281	390,433	2,399,714
December	3,202,362	279,868	3,482,229
<b>Average total flow (gpd)</b>	<b>33,369,770</b>	<b>2,179,541</b>	<b>35,549,312</b>
<b>Average Daily Flow (gpd)</b>	<b>2,780,814</b>	<b>181,628</b>	<b>2,962,443</b>

**Table 7**  
**Average Daily Flow to NMWA (2019 to 2023)**  
**West Norriton Township**

**Rittenhouse Pump Station**

<b>Month</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
January	3,335,826	2,554,344	2,397,567	1,899,742	3,590,791
February	3,161,036	2,597,406	2,798,142	2,212,786	3,034,541
March	3,391,649	2,731,650	3,159,677	2,378,867	3,330,446
April	2,535,270	3,035,133	2,263,223	3,328,400	2,607,357
May	2,920,500	2,510,733	1,861,710	2,258,133	2,669,548
June	3,015,833	1,746,300	2,249,900	1,692,820	2,285,900
July	2,190,839	2,038,086	2,204,000	1,364,994	2,907,749
August	1,741,565	2,340,204	2,036,968	1,334,526	2,829,395
September	1,366,483	1,473,733	2,917,066	1,451,550	2,632,489
October	1,663,258	1,601,000	1,963,161	1,929,745	2,269,911
November	2,001,922	2,161,667	1,787,767	1,781,123	2,009,281
December	2,705,495	3,094,395	1,495,697	2,663,687	3,202,362
<b>Total flow (gpd)</b>	<b>30,029,675</b>	<b>27,884,651</b>	<b>27,134,878</b>	<b>24,296,373</b>	<b>33,369,770</b>
<b>Average daily (gpd)</b>	<b>2,502,473</b>	<b>2,323,721</b>	<b>2,261,240</b>	<b>2,024,698</b>	<b>2,780,814</b>

**Jackson Street**

<b>Month</b>	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
January	167,535	146,924	249,287	349,652	210,837
February	228,871	240,762	297,296	379,268	193,932
March	264,713	155,445	520,939	310,652	231,477
April	226,526	256,957	406,403	151,590	1,989
May	264,794	275,416	322,313	94,193	150,129
June	234,052	227,427	216,143	139,353	211,067
July	280,426	258,561	216,429	126,035	87,581
August	268,497	272,626	255,432	134,913	48,871
September	270,903	224,830	230,053	194,775	92,100
October	256,116	206,658	400,671	230,272	281,258
November	122,233	213,640	258,747	225,093	390,433
December	138,516	260,271	315,809	148,139	279,868
<b>Total flow (gpd)</b>	<b>2,723,182</b>	<b>2,739,516</b>	<b>3,689,522</b>	<b>2,483,935</b>	<b>2,179,541</b>
<b>Average daily (gpd)</b>	<b>226,932</b>	<b>228,293</b>	<b>307,460</b>	<b>206,995</b>	<b>181,628</b>

**Rainfall**

	<b>2019</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>
<b>Average daily to NMWA (gpd)</b>	2,729,405	2,552,014	2,568,700	2,231,692	2,962,443
<b>Total Precipitation (inch)</b>	75.62	57.18	53.32	48.13	50.92

**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**

\*\*\*SERVICE REPORT\*\*\*

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 06/16/2023  
METER#: 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/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
CHECKED PROGRAMMING  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

**\*\*\*SERVICE REPORT\*\*\***

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 06/16/2023  
METER#: AC  
LOCATION: WHITEHALL ROAD  
SERIAL #: 8503A0455  
MANUFACTURER: FISCHER & PORTER  
RECORDER: 51C1102DZ  
TRANSMITTER: 50PZ1112  
PRIMARY: MAG  
MAXIMUM CAPACITY: 3000 GPM  
SERVICE CONTRACT: Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

**\*TRANSMITTER CALIBRATION\***  
CHECKED PROGRAMMING  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

TheMeterGuy, LLC.  
5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 06/16/2023  
METER#: N/A  
LOCATION: FORREST AVE  
SERIAL #: S6015D16000 / TA040B23428  
MANUFACTURER: ENDRESS & HAUSER  
RECORDER: ECOGRAPH T RSG35  
TRANSMITTER: PROMAG  
PRIMARY: 8"  
MAXIMUM CAPACITY: 1500 GPM  
SERVICE CONTRACT: Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
CHECKED PROGRAMMING  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

**\*\*\*SERVICE REPORT\*\*\***

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 06/16/2023  
METER#: AD  
LOCATION: PORT INDIAN  
SERIAL #: 160612-FA-18621692  
MANUFACTURER: FISCHER & PORTER/OMEGA  
RECORDER: 1392  
TRANSMITTER: FDT-21W  
PRIMARY: 8"  
MAXIMUM CAPACITY: 1500 GPM  
SERVICE CONTRACT: Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
CHECKED PROGRAMMING  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

**\*\*\*SERVICE REPORT\*\*\***

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 06/16/2023  
METER#: AE  
LOCATION: CHESTNET STREET  
SERIAL #: N28401/20/4  
MANUFACTURER: ABB  
RECORDER: 1900 COMMANDER  
TRANSMITTER: MAGMASTER  
PRIMARY: 4"  
MAXIMUM CAPACITY: 500 GPM  
SERVICE CONTRACT: Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0 & OPERATING RATE  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0 & OPERATING RATE  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
SIMULATED HEAD RISES & ZEROED FLOW  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

TheMeterGuy, LLC.  
5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

\*\*\*SERVICE REPORT\*\*\*

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 06/16/2023  
METER#: AA  
LOCATION: JACKSON STREET  
SERIAL #: 45048050/AKI000950  
MANUFACTURER: KROHNE/PARTLOW  
RECORDER: MRC 5000  
TRANSMITTER: OPTISOUND  
PRIMARY: 9" PARHALL  
MAXIMUM CAPACITY: 3.5 MGD  
SERVICE CONTRACT: Quarterly/90

\*WORK PERFORMED\*

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

**\*\*\*SERVICE REPORT\*\*\***

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 06/16/2023  
METER#: AF  
LOCATION: MONTGOMERY STREET  
SERIAL #: US21223-001-01-01-37-07  
MANUFACTURER: E&H/CHESELL  
RECORDER: 392  
TRANSMITTER: FMU 90  
PRIMARY: 90° V-NOTCH  
MAXIMUM CAPACITY: 1000 GPM  
SERVICE CONTRACT: Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

**\*\*\*SERVICE REPORT\*\*\***

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 11/27/2023  
METER#: 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/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
CHECKED PROGRAMMING  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

**TheMeterGuy, LLC.**

5758 GLEN OAKS DRIVE NARVON, PA 17555  
PHONE: (570) 317-5734

**\*\*\*SERVICE REPORT\*\*\***

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 11/27/2023  
METER#: AC  
LOCATION: WHITEHALL ROAD  
SERIAL #: 8503A0455  
MANUFACTURER: FISCHER & PORTER  
RECORDER: 51C1102DZ  
TRANSMITTER: 50PZ1112  
PRIMARY: MAG  
MAXIMUM CAPACITY: 3000 GPM  
SERVICE CONTRACT: Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

**\*TRANSMITTER CALIBRATION\***  
SIMULATED HEAD RISES & FLOW MEASUREMENTS  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

**TheMeterGuy, LLC.**

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**\*\*\*SERVICE REPORT\*\*\***

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 11/27/2023  
METER#: N/A  
LOCATION: FORREST AVE  
SERIAL #: S6015D16000 / TA040B23428  
MANUFACTURER: ENDRESS & HAUSER  
RECORDER: ECOGRAPH T RSG35  
TRANSMITTER: PROMAG  
PRIMARY: 8"  
MAXIMUM CAPACITY: 1500 GPM  
SERVICE CONTRACT: Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

**\*TRANSMITTER CALIBRATION\***  
CHECKED PROGRAMMING  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

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**\*\*\*SERVICE REPORT\*\*\***

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 11/27/2023  
METER#: AD  
LOCATION: PORT INDIAN  
SERIAL #: 160612-FA-18621692  
MANUFACTURER: FISCHER & PORTER/OMEGA  
RECORDER: 1392  
TRANSMITTER: FDT-21W  
PRIMARY: 8"  
MAXIMUM CAPACITY: 1500 GPM  
SERVICE CONTRACT: Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
CHECKED PROGRAMMING  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

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**\*\*\*SERVICE REPORT\*\*\***

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 11/27/2023  
METER#: AE  
LOCATION: CHESTNET STREET  
SERIAL #: N28401/20/4  
MANUFACTURER: ABB  
RECORDER: 1900 COMMANDER  
TRANSMITTER: MAGMASTER  
PRIMARY: 4"  
MAXIMUM CAPACITY: 500 GPM  
SERVICE CONTRACT: Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

**\*TRANSMITTER CALIBRATION\***  
CHECKED PROGRAMMING  
ERROR: 0.0%      CORRECTED ACCURACY:  $\pm 1\%$

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

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**\*\*\*SERVICE REPORT\*\*\***

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 11/27/2023  
METER#: AA  
LOCATION: JACKSON STREET  
SERIAL #: 45048050/AKI000950  
MANUFACTURER: KROHNE/PARTLOW  
RECORDER: MRC 5000  
TRANSMITTER: OPTISOUND  
PRIMARY: 9" PARHALL  
MAXIMUM CAPACITY: 3.5 MGD  
SERVICE CONTRACT: Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)

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**\*\*\*SERVICE REPORT\*\*\***

WEST NORRITON  
1634 WEST MARSHALL STREET  
JEFFERSONVILLE, PA 19403

SERVICE DATE: 11/27/2023  
METER#: AF  
LOCATION: MONTGOMERY STREET  
SERIAL #: US21223-001-01-01-37-07  
MANUFACTURER: E&H/CHESELL  
RECORDER: 392  
TRANSMITTER: FMU 90  
PRIMARY: 90° V-NOTCH  
MAXIMUM CAPACITY: 1000 GPM  
SERVICE CONTRACT: Quarterly/90

**\*WORK PERFORMED\***

CLEANED EQUIPMENT: X      PRIMARY: X

**\*RECORDER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TOTALIZER CALIBRATION\*** CHECKED AT: 0, 25, 50, 75, & 100%  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

**\*TRANSMITTER CALIBRATION\***  
FLOW MEASUREMENTS  
ERROR: 0.0%      CORRECTED ACCURACY: ±1%

COMMENTS: LEFT EQUIPMENT OPERATING PROPERLY

SERVICE REPRESENTATIVE: BRANDON  
PERSON SEEN: NONE  
copies- [MCRISWELL@WNTWP.COM](mailto:MCRISWELL@WNTWP.COM)