Veolia MIDDLETOWN
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May 30, 2025

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RE: Transmittal of Veolia Middletown Operations Report April 2025

Pursuant to Sections 3.22 and 4.10 of the Concession Agreement; Part A, Section 9.4 and Part B, Sections 5.1, 5.2.6, 5.4.3, 6.3, and 8.1 of the Operating Standards; and Section 7.1 (e), (i) of the Joint Venture Operating Agreement, transmitted herewith is an electronic copy of the subject Monthly Report.

Should you have any questions or require further information, please contact me at your convenience.

Sincerely,

George Flowers
Project Leader
Veolia Middletown

cc: MichaelWinfield
Shuang Li

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

Date: May 31, 2025

Table of Contents

1. Executive Summary

This report covers the monthly period of April 1, 2025 through April 30, 2025.

During this reporting period, Veolia Middletown met all operational obligations. Veolia worked closely with the Borough of Middletown to provide the citizens of Middletown a consistent, high quality water and wastewater service, which meets all Federal, State and local regulatory requirements.

The following Summary highlights the achievements and challenges of the project during this reporting period.

1.1. Operations and Maintenance

Veolia effectively provided all services as required in accordance with the Operating and Technical Standards as described in Schedule 4 of the Concession Agreement dated September 29, 2014, in accordance with Best Management Practices, and all applicable Laws.

Significant operational and maintenance accomplishments for the reporting period include:

- Continue weekly monitoring of the petroleum substance entering the outfall pipe after the WWTP effluent. Short-term mitigation efforts are minimizing the discharge until a long-term plan is approved.
- Continue use of the HachWIMS application for process and regulatory data management and to optimize meeting reporting requirements.
- Continued observation of the SmartCover® Sewer Monitoring System at manholes MH-286 at Mill St, MH-290 at Hoffer Park, MH-332 at E. Main St, and MH-475A on East Water Street.
- Installed Raw Water Pump #1 along with the grit flushing system.
- Installed new surge protector modules for Well 1/2.
- Installed new gate at Well 1/2.
- Completed annual overhead door inspections.

1.2. Regulatory Compliance

A Notice of Violation (NOV) was issued on March 1, 2021 for Well # 4 Fluoride system deficiencies. 25 Pa. Code Section 109.602(b) requires that, "Designs of public water facilities shall conform to accepted standards of engineering and design in the water supply industry and shall provide protection from failures of sources, treatment, equipment, structures or power supply." The current chemical feed design of the fluoridation system at treatment plant 304 does not meet acceptable design and construction standards, which constitutes a violation of 25 Pa. Code Section 109.602(b).

A brief summary and status update regarding the NOV, our efforts to date, and action plan to resolve the issue follows:

- NOV was issued by DEP on 3/1/21
  - Verbal consult with the Department (30 Day) - Due by 3/31/21 - Completed
  - Respond in writing (45 Day) – Due by 4/15/21 - Submitted
  - Complete corrective actions (120 Day)– Due by 6/29/21 –Extended by DEP
    - PA DEP did not provide an updated deadline but wants to see continued progress with the project.

To satisfy this Regulatory requirement, Veolia began implementation of a full flow proportional chemical feed system at each of the active wells. In order to achieve this, upgrades have to be made to each well's SCADA system. Below is a table summarizing the current status of flow pacing and SCADA system at each well.

Well #	Flow Paced - Chlorine	Flow Paced - Fluoride	SCADA Upgrade
Well 1	No	No	No
Well 2	Yes	Yes	No
Well 3	**Out of Service**		
Well 4	Yes	Yes	Yes
Well 5	No	Yes	No
Well 6	Yes	Yes	Yes

Veolia has partnered with Tri Star Inc. to complete this upgrade. Tri Star is actively working on this project and expects it to be completed by June 2025. Once complete, the regulatory requirement will have been met.

Veolia submitted the Well 6 Groundwater Withdrawal Application for renewal to the Susquehanna River Basin Commission (SRBC) on January 10, 2022 with a requested withdrawal quantity of 1,070,000 gallons per day (gpd), which is what the well is currently permitted for. After reviewing the application in further detail, SRBC has proposed 324,000 gpd as the 30-day average quantity allowed to be pumped from the well. Veolia is working with HRG and ARM group to perform additional evaluations to support a request for 600,000 gpd permitted withdrawal from Well 6. On May 21, 2024, SRBC requested additional information to perform a technical review on the 0.856 MGD 30-day average quantity requested for well 6. The final information for the technical review was submitted in August 2024 and the Well 6 docket was placed on the agenda for the September 12, 2024 SRBC business meeting for approval. The docket was approved.

On April 10, 2025, a planned water system inspection was performed by Pennsylvania Department of Environmental Protection. The formal report had no major findings or violations.

1.3. Environment, Health and Safety

Comprehensive, job-specific environment, health and safety (EH&S) training continued this month.

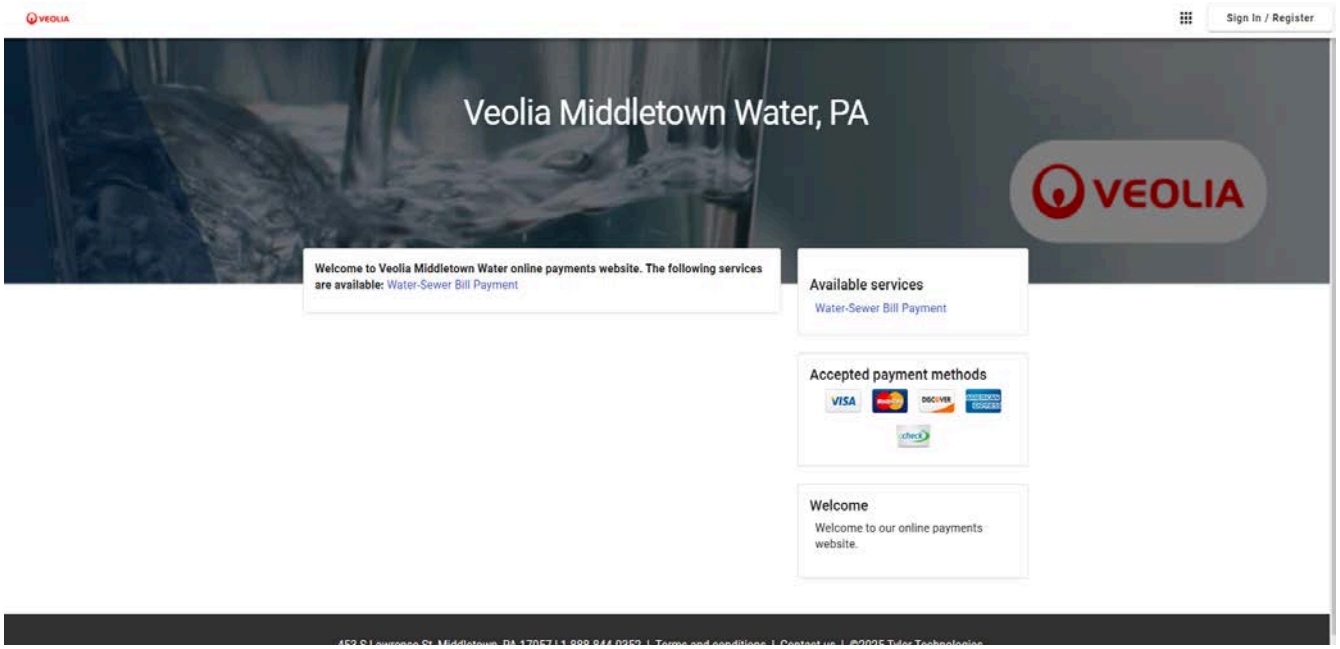
1.4. Customer Service

The current operating period was very successful for Customer Service in Middletown. Some accomplishments include:

- The customer service online payment program was successfully launched in March 2025. Payments were made via the online payment portal and verified from the Veolia customer service department.
- The Customer service payments remain open via payment drop box, phone IVR, and US Mail.
- Continued to track and update reports to meet the needs for data analysis, revenue forecasting, and reporting requirements.

The meter reading cycle for water consumption in April was successfully completed on April 24th, 2025.

- Sent 216, 10-day shut-off notices to accounts that were $50 past due for the March 2025 billing period



Above is the home page of the new Veolia Middletown online payment portal website, which launched in March 2025

1.5. Engineering and Capital Expense

A complete breakdown of the proposed projects and significant accomplishments for the Engineering and Asset Management areas are included in the Engineering section of this report. Veolia Middletown will continue efforts to maintain operations at a high level of reliability, while monitoring unaddressed, identified capital projects that continue to accrue and have the potential to impact future performance.

1.6. Conclusion

Veolia continues to operate the Borough's water and sewer systems in compliance with Concession Agreement, Operating and Technical Standards.

2. Monthly Operations Report

Veolia Middletown effectively provided all services as required in accordance with the Operating and Technical Standards as described in Schedule 4 of the Concession Agreement dated September 29, 2014, in accordance with Best Management Practices, and in accordance with all applicable Laws and regulations

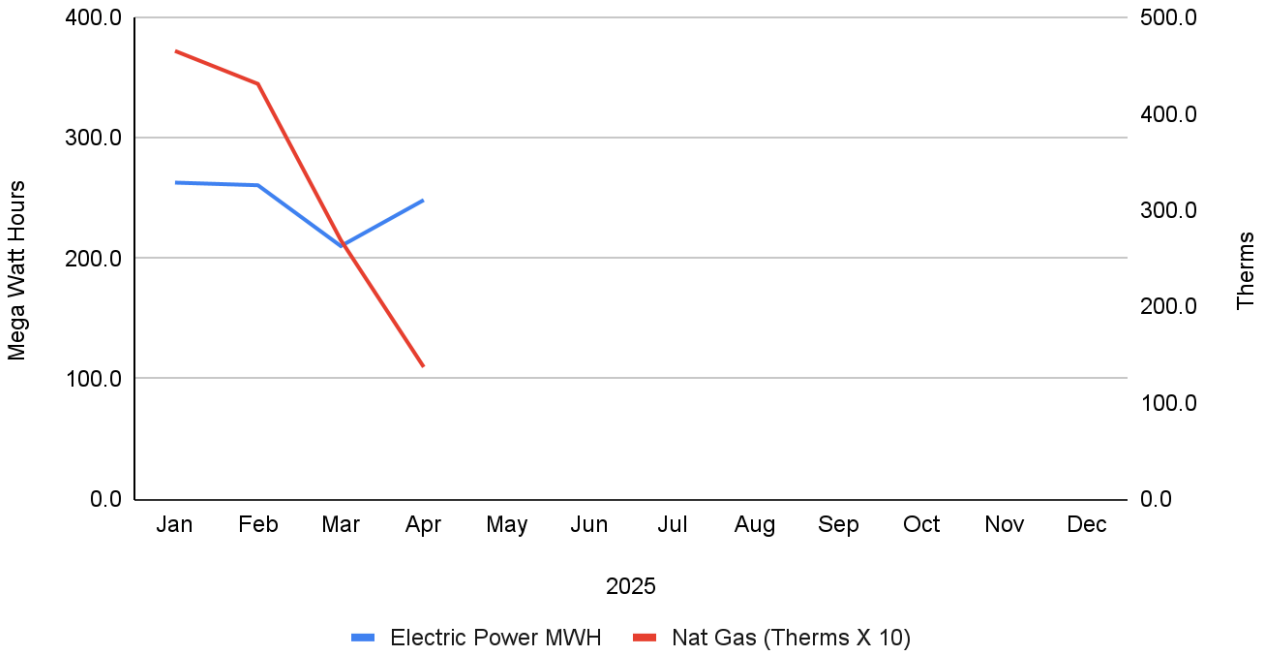
Wastewater Treatment Plant DMR
The eDMR for this reporting period was electronically submitted to the PADEP. A copy of the report and submittal verification is attached with Appendix A.

Quality Control Reporting
Written certification of Laboratory Quality Control is included with a copy of the monthly eDMR submittal and can be found in the Appendix to this report. No proficiency testing was required to be conducted this month.

2.1. Energy Management and Sustainability

Energy & Natural Gas Use

Monthly energy used in operation of the water and wastewater systems, including electricity and natural gas, is presented in the table below.



*Note- The utility usage data from Engie is not released until the 28th of the following month.

Energy Efficiency Initiatives

Set up for utility use data collection and reporting has been implemented. Review of this data will continue as the data is compiled on a monthly basis. Long term initiatives currently being explored include the potential for solar and process efficiency improvements. LED lighting and a smart thermostat have been installed in commonly used areas to improve energy efficiency.

Sustainability

Middletown received a score of 96 for the GRESB Report submitted in 2024. Previous scores include a 97 for the GRESB Report submitted in 2023, 91 for the GRESB Report submitted in 2022, and an 81 was received for the GRESB Report submitted in 2021. There were new categories in the 2024 report and the Middletown project rose two places in the peer ranking. Objectives will be developed to increase and support biodiversity and sustainability initiatives. The 2025 GRESB reporting process commenced in April.

2.2. Water System and Wastewater Treatment Plant Maintenance

Equipment out of service during the month is listed in the table below.

System	Equipment	Process Location	Date Off Line	Reason for Taking Off Line	Date Returned to Service
Water	Well Pump	Well 3	9/14/21	Pump Failure	In Progress
WWTP	Oxidation Ditch 2, Rotor #2	Ox Ditch	01/28/25	Trouble Shooting Intermittent Failures	In Progress

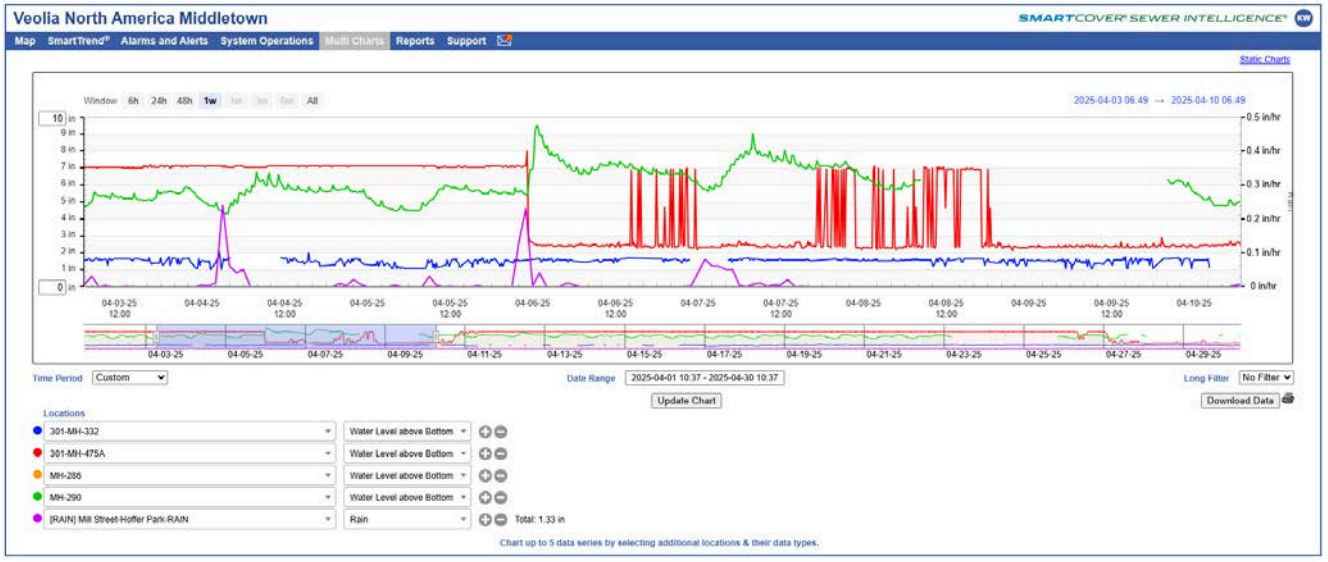
Sanitary Sewer System

SmartCover® Sewer Monitoring System

The covers use level sensing technology to analyze sewer elevations throughout the monitored area. This technology is used to monitor and reduce sanitary sewer overflows (SSO's) at problematic locations. The SmartCovers installed in Middletown are located at the interceptor on Mill St. and the entrance to Hoffer Park and were installed to better monitor and reduce surcharges and prevent SSOs in the interceptor. In an effort to expand the monitoring areas within the system, two additional SmartCovers were installed in July 2021 at MH- 332 (East Main St) and MH 475A (East Water St).

The SmartCover sensors were installed, in conjunction with a thorough cleaning of the interceptor, as part of the PA DEP Corrective Action Plan (CAP). Upon cleaning of the interceptor and installation of the sensors, we are now able to monitor surcharge conditions in "real-time".

In February 2025, SmartCovers MH-286, MH-290, and MH-475A were serviced by a SmartCover technician to help maintain accurate communication of the devices.



2.3. Key Performance Indicators

Project Status Snapshot

The following table is a graphical representation of relative progress for each of four identified annual Key Performance Indicators (KPIs) for the wastewater collection and water transmission and distribution system.

KPI	Hydrants Inspected	Main Valves Exercised	Ft Water System Leak Detection	Ft Wastewater Mains Cleaned
YTD	1	111	118800	1551
Goal	185	120	184800	19650

KPI Comments

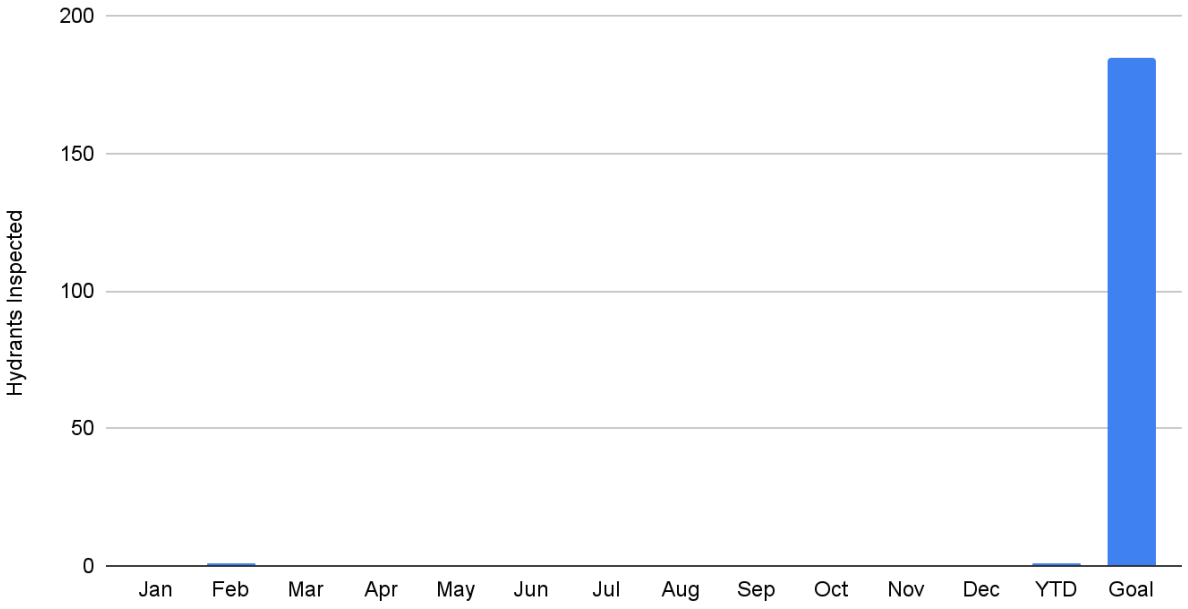
Hydrants inspected and maintained: The hydrant inspection and preventative maintenance program will be completed in conjunction with the annual water main and hydrant flushing program.

Water Main Valves Exercised: A comprehensive condition assessment program was part of the development of the asset management program. The program includes valve identification and location, condition assessment, exercising, determining the number and direction of turns, etc. Identifiers are being created using GIS data that was collected during the first phase of the project. Valves that have been identified as in need of repair or replacement will be scheduled for repair or replacement over time based on operational priority of the valve.

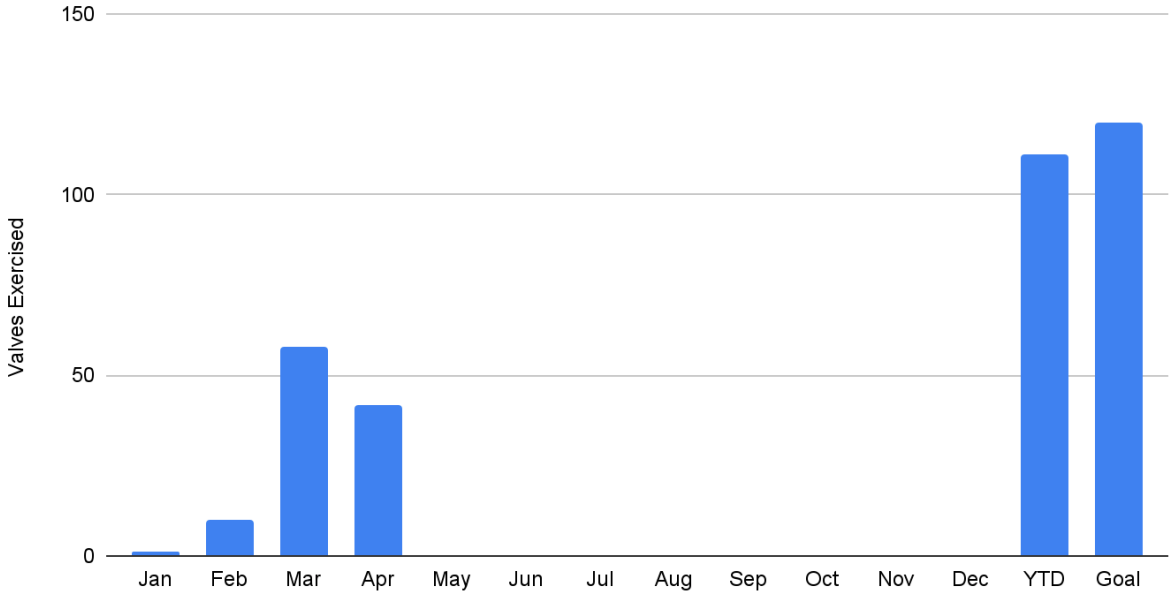
Sanitary Mains Cleaned/CCTV Inspected: The work on this task will be scheduled and completed throughout the year.

Water Loss: Identifying and reducing the system water loss has been a key focus for Veolia. In an effort to identify and resolve the sources of water loss, continue to (1) verify the accuracy of the billing system reports, (2) verify the production meter accuracy at each well site based on review of the quarterly calibration records, (3) test a representative sampling of meters/MIU's to ensure the integrity of the data being downloaded to the billing system and verify the accuracy of residential meters. We continue to identify and, when found, repair water leaks throughout the system. In addition, following AWWA guidelines and standards, Veolia has identified and is in the process of testing and replacing 10% of the system's small meters, starting with the oldest meters.

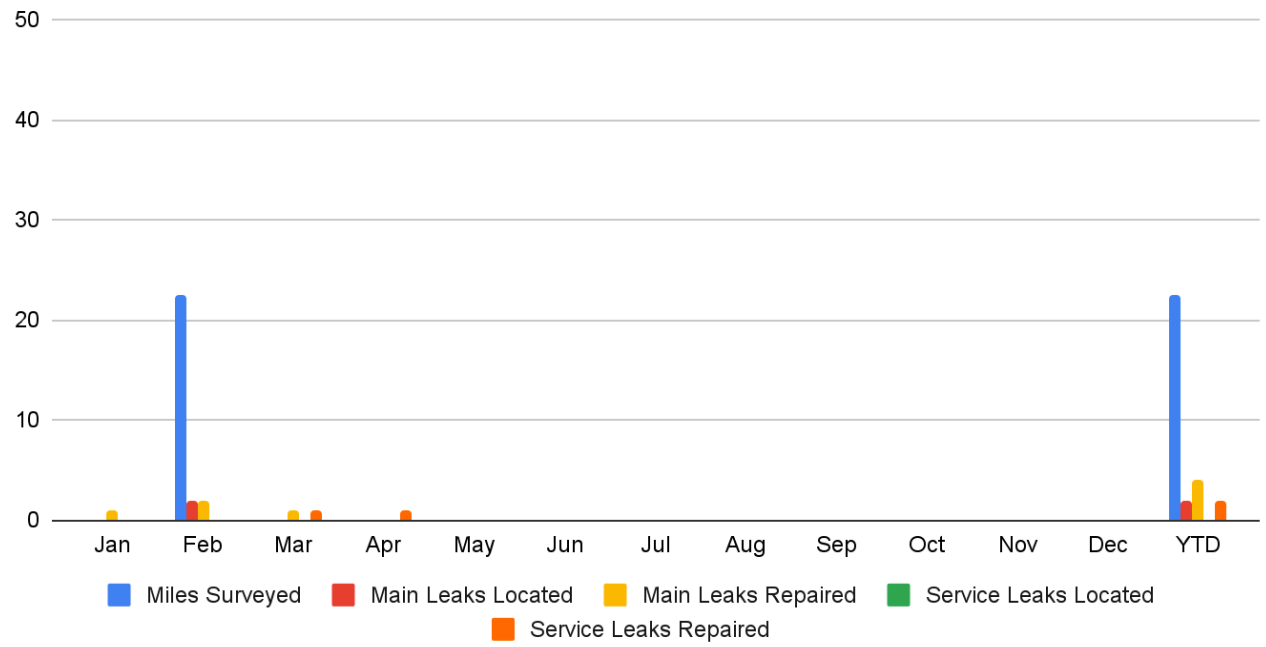
Hydrants Inspected: Tested and Flushed



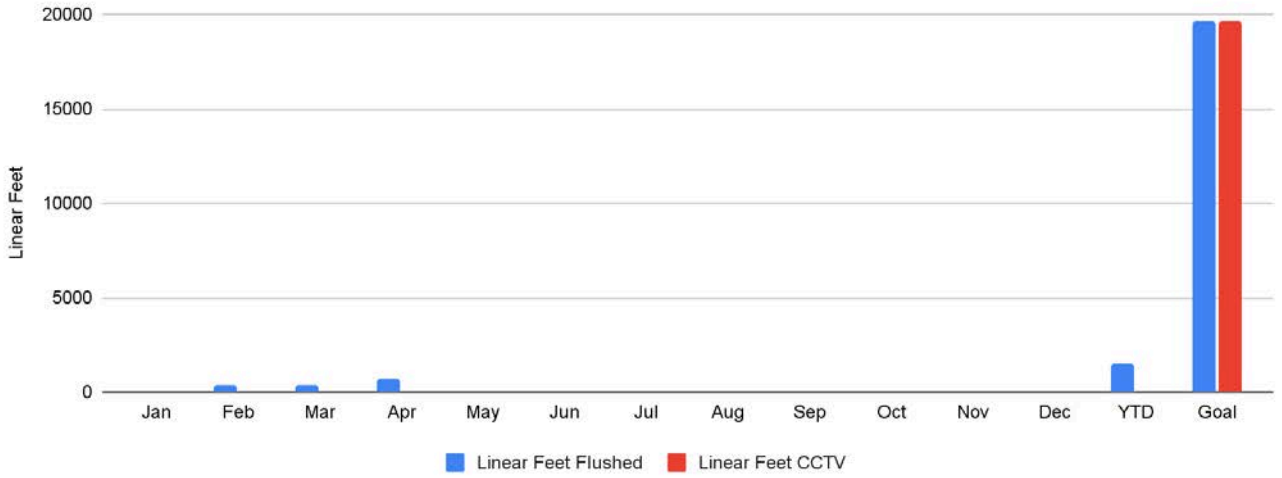
Water Main Valves Exercised



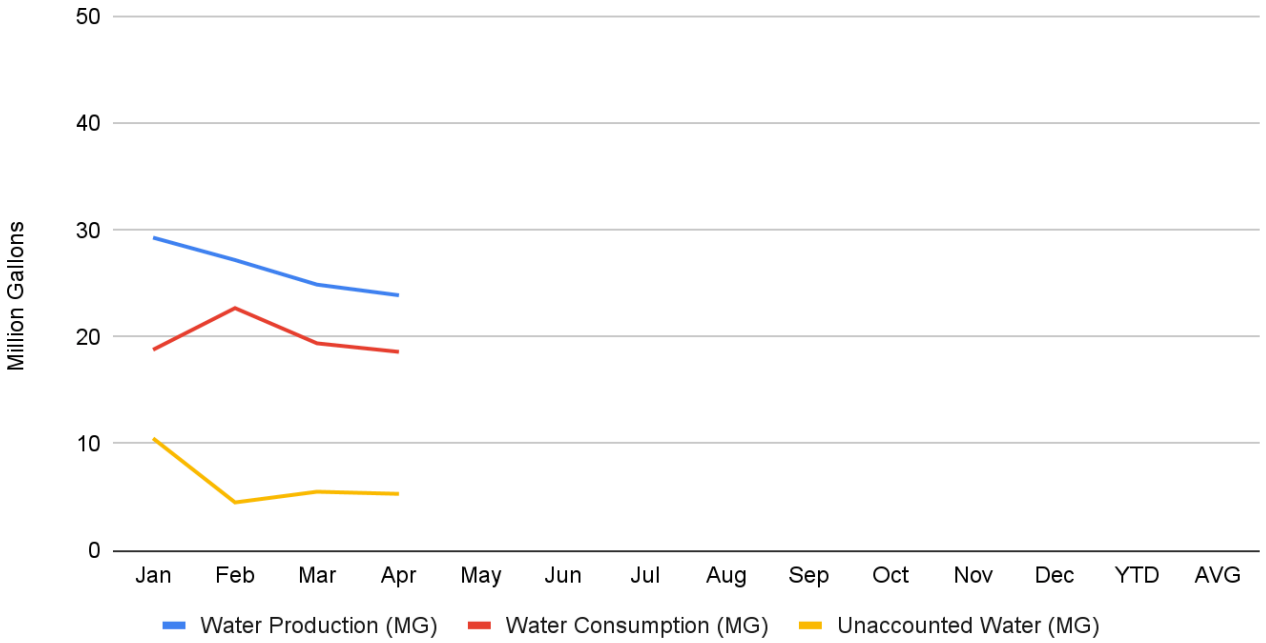
Water System Leak Detection



Wastewater Mains Cleaned/CCTV Inspected



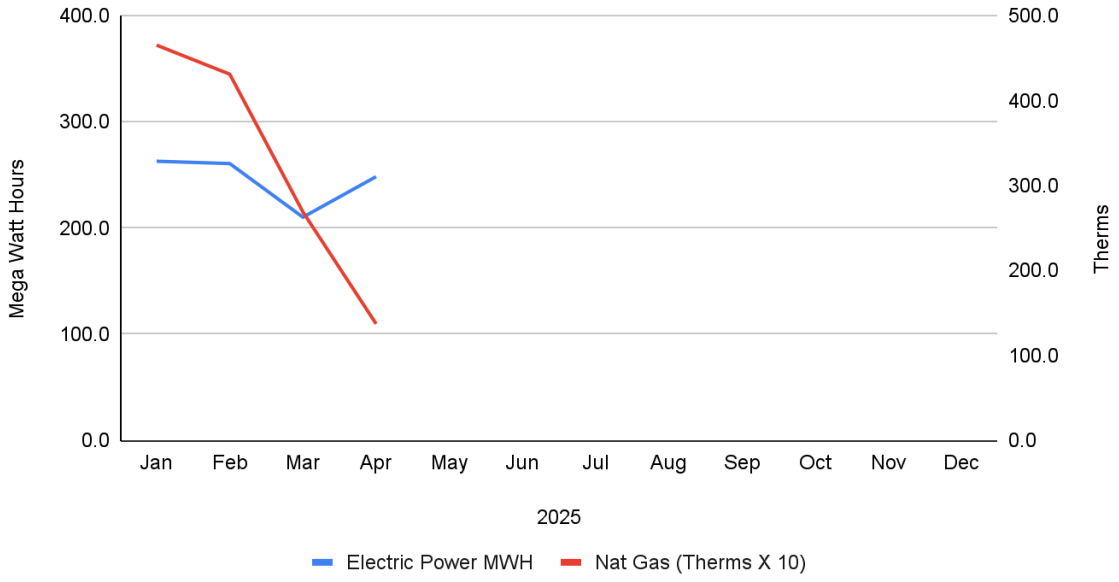
Water Production, Water Consumption and Unaccounted Water



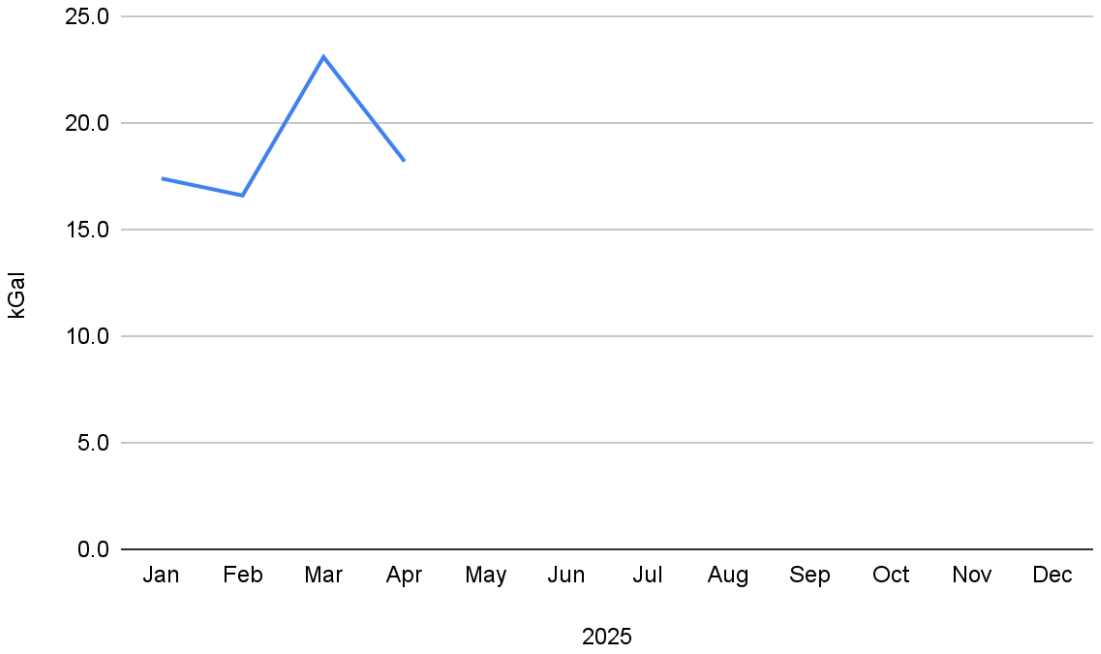
Unaccounted for water calculation does not include unmetered, estimated flows used for firefighting, training and system maintenance and flushing activities. This is a nominal amount equating to approximately 1% to 2% of the unaccounted water volume. Veolia is investigating the unaccounted for water fluctuations.

In April, there was one service line leak on Pine Street which was immediately addressed and repaired.

Utilities: Electric Power & Natural Gas



Utilities: Potable Water Use



Process Chemicals: Water and WWTP Treatment

Chemical	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Hypochlorite (Water)	**gal**	293	267	233	224									**1017**
Hydrofluorosilicic Acid	**lbs**	454	405	322	340									**1521**
Alum	**gal**	1408	1462	1715	1965									**6550**
Thickening Polymer	**gal**	105	105	98	60									**368**
Dewatering Polymer	**gal**	73	46	100	161									**380**
Chlorine (WWTP)	**lbs**	334	558	393	382									**1667**
Lime	**lbs**	4746	2478	4756	10962									**22942**

Tank Inspection: Water and WWTP

A tank inspection schedule was developed and submitted to the Borough. The tank inspection reports will be maintained in the Project Managers office for review.

Nitrification Control Program

Currently there is no requirement or need for a nitrification control program at the facilities. Veolia will continue to monitor the system for the need of a program and initiate accordingly.

Facility Security

There were no security issues or events during the month.

Meter Testing

A summary of Meter testing is provided in the table below. Quarterly testing and calibrations were completed on water and wastewater process meters, pursuant to the Concession Agreement and Operating Standards. Testing and calibration reports will be attached with the Appendix to this report as they occur.

The 2023 small meter replacement program began in July 2023 and finished in December 2023. MeterTek was utilized as the contractor. Two hundred eighty-one small meters were replaced during the project. All small meters were tested at the conclusion of the project with a 95% pass rate. The Middletown project continues to replace small meters as needed. The 2024 replacement program began in April and was completed in August 2024. MeterTek was utilized as the contractor for the meter replacement. The 2025 replacement program plan is scheduled to begin May 2025.

Meter Testing Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
WWTP Process	3	0	0	3									3	3	0	0	**6**
Water Process	9	1	0	9									10	9	0	0	**19**
Interconnect/Large	0	0	0	0									0	0	0	0	**0**
Small Meter	0	0	0	0									0	0	0	0	**0**
TOTAL	12	1	0	12	0	0	0	0	0	0	0	0	13	12	0	0	**25**

Upcoming Month Operational Priorities

- Continue utilization of the Llumin CMMS System to create and track work orders. and perform scheduled equipment maintenance.
- Continue to monitor and refine unaccounted Non-Revenue Water (NRW) losses.
- Continued focus on staff safe work practices and safety.
- Upgrades to Chemical Feed Systems.
- Safety Upgrades to water and wastewater systems.
- Continue management of underground infrastructure replacement and other capital construction projects.
- Starting annual hydrant flushing program.

2.4. Customer Service

Highlights

Veolia Middletown closed the the Customer Service Office and Administration building to customers and non essential visitors at the start of the COVID-19 pandemic. At this time the window will remain closed, but the telephone and drop box for payments remain open. The total number of calls received in April was 521. Call volume has declined in April due to customers utilizing online payments and the automated phone payment system. Responses were provided for all calls received by the answering service or that were placed to the answering service after office hours. The JV submitted an application for the State's Low Income Housing Water Assistance Program (LIHWAP) in January 2022. The application was accepted and twenty-five customers were able to utilize the program before the LIHWAP program ended on October 28, 2022, due to lack of federal funding. The LIHWAP program was reopened on July 10, 2023 and concluded on August 18, 2023. Nineteen customers were able to utilize the program while it was open in 2023.

The 2025 rate increase has been implemented in accordance with Middletown Water Annual Recovery Report and the surcharge effective in 2024 was adjusted to 5.2% in 2025. Surcharge rates have declined in each of the successive 3-year water sales test periods from a high of 15% in the initial test period, to 11.5% in the second test period, and to the current level for test period 3. .

The release of bill files for printing and mailing this month occurred in 2 days with bills for services provided in April being mailed to customers on April 28th, 2025. The average gross monthly collection rate for April was 109.9% and 102.27% for the last 12 month rolling average.

A focused effort continued this month to review idled meter accounts and identify locations where consumption was not zero. Based on this review and investigations at the service addresses the number of idle accounts was 20 accounts this month, which is down from last month. There were no idle meters with consumption this month.

The number of Field Service Requests in April was 85.

Customer Service: Calls by Type

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	2024	2023
General Acct. Info	1	4	7	161									173	75	101
Bill Inquiry	364	108	154	241									867	958	1206
Finals	13	9	12	13									47	175	163
New Account	4	5	9	10									28	75	92
Meter Reading / Re-Reads	0	0	0	0									0	2	17
Payments	769	725	501	0									1995	7395	7140
Collection Letter	22	21	49	66									158	449	623
Rates	0	2	0	1									3	7	15
Complaints	0	0	0	0									0	0	4
Sewer	0	1	1	0									2	3	3
Leaks	3	1	0	0									4	7	27
No/Low Water Pressure	0	2	0	0									2	2	5
Copy of Bill	332	8	11	6									357	40	36
Correct Bills	0	0	0	0									0	1	0
Meter Change Out	0	0	0	0									0	0	1
Customer Correspondence	86	94	77	60									317	718	653
Calls Referred to Veolia Harrisburg	25	23	25	23									96	298	306
Calls from City/Other Organization	0	0	0	0									0	0	0
Compliments	0	0	0	0									0	1	0
2025 Totals	**1619**	**1003**	**846**	**581**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	4049		
2024 Totals	**620**	**854**	**871**	**809**	**817**	**953**	**820**	**905**	**879**	**934**	**916**	**929**	10307		

Note: Noise and personnel complaints are tracked under “Complaints” in the chart above.

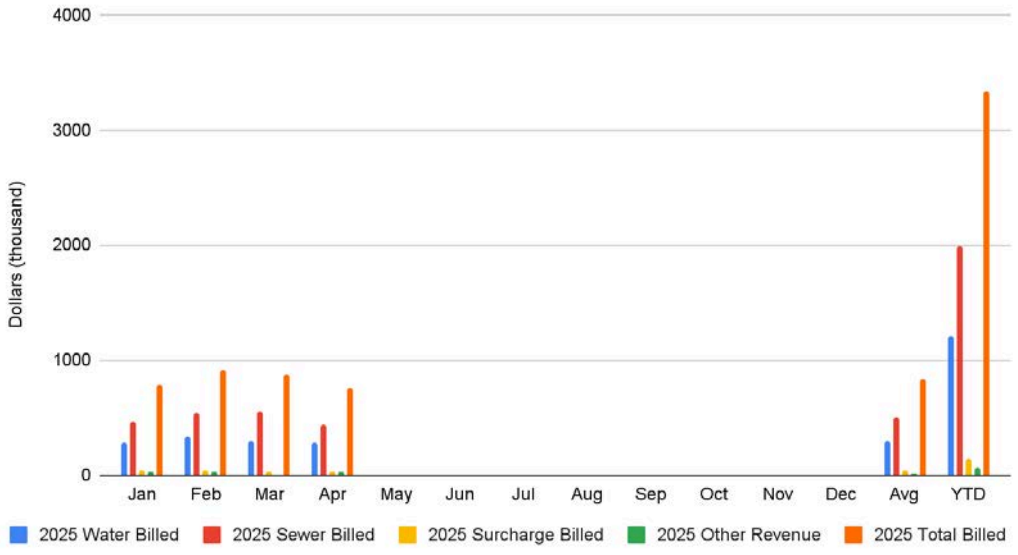
A compliment was received by customer service in regards to a customer payment issue. The customer came to the office to fix the payment issue. She brought cookies for the office as a “thank you”.

Customer Service: Calls by Type

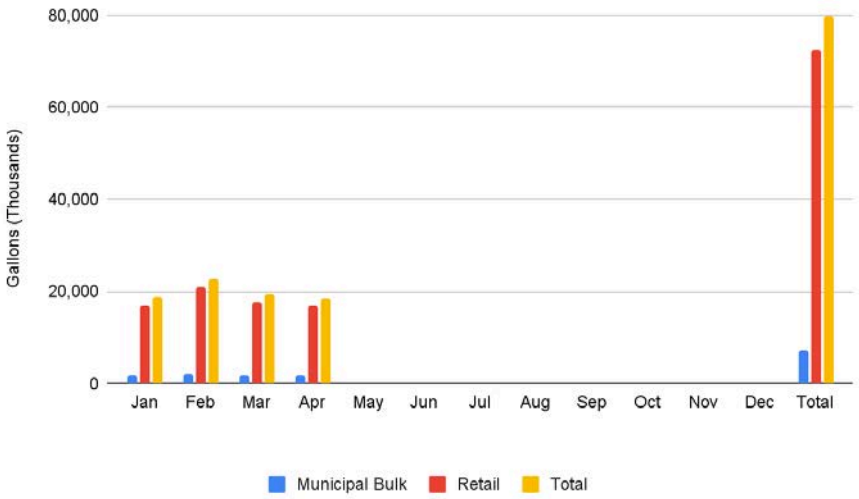
All Neptune* meters continue to be read on the same day each month, if possible, and the organization of billing in 2 cycles with one group being all residential and the other group being all commercial/industrial accounts, was continued.

* Neptune is the meter manufacturer

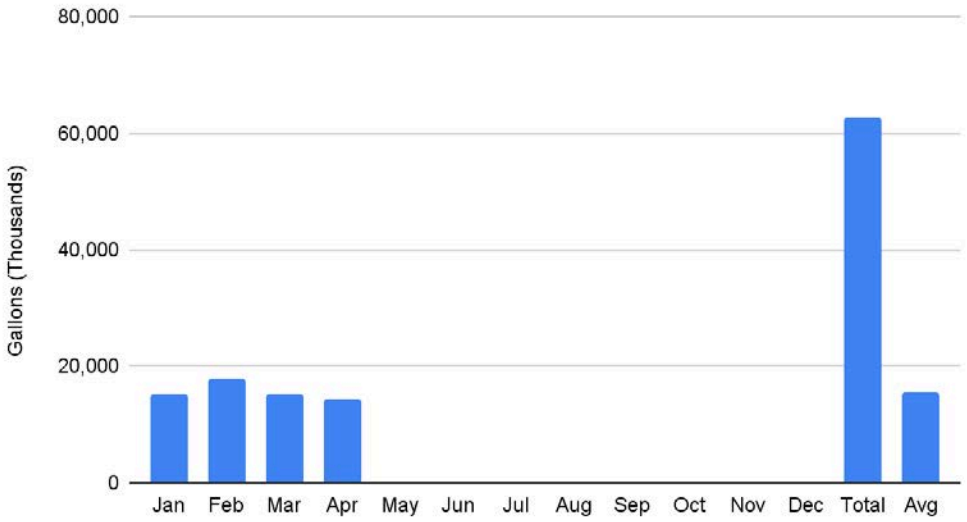
Dollars Billed - Water and Sewer (dollars X1000)



Water Sales - Monthly Consumption (gallons X 1000)

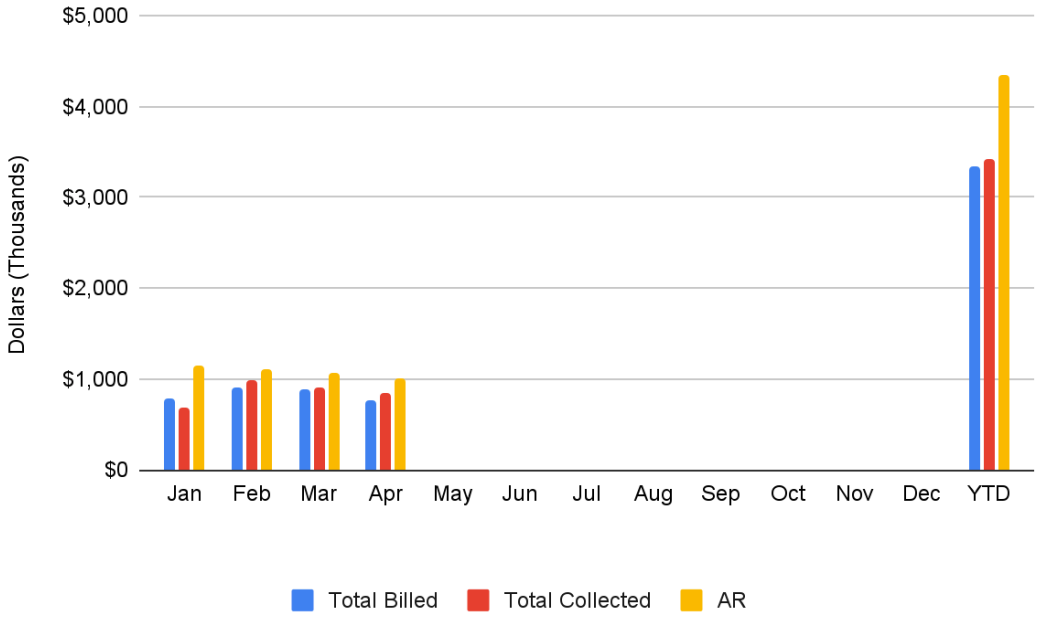


Sewer Sales – Monthly (gallons X 1000)

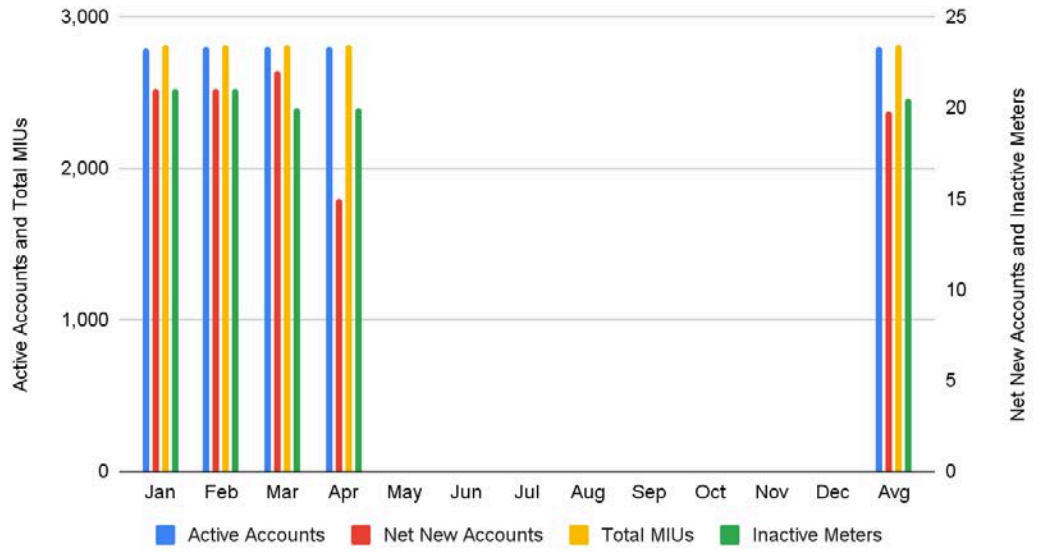


Collections (dollars X 1000)

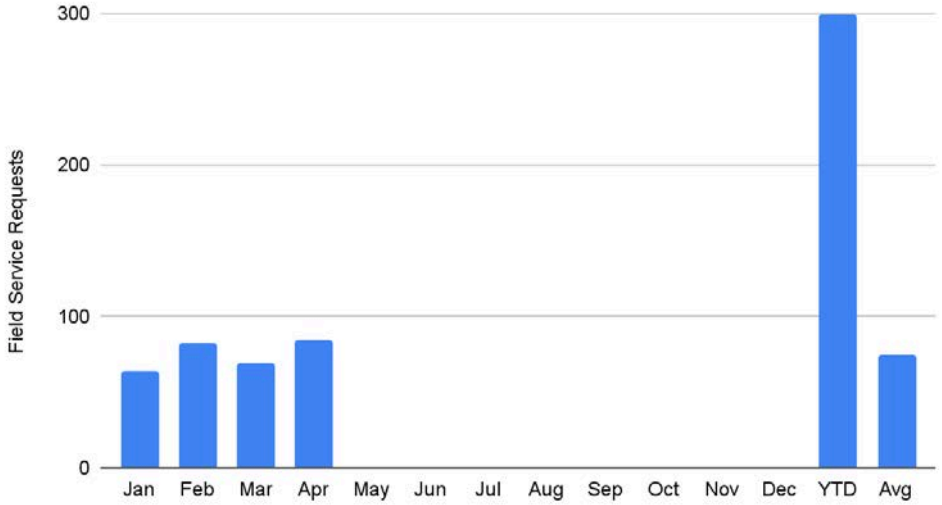
Collections on payment for water and sewer services occurred during the current month and are displayed on the graph below.



Accounts & Meters



Field Service Requests



Service Disruptions

A summary of service disruptions is provided in the table below.

Service Disruptions Summary

Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Planned	0	0	0	0									0	0	0	0	**0**
Unplanned	0	0	0	0									0	0	0	0	**0**
2025 Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Water Quality Calls

A summary of water quality complaints is provided in the table below.

Water Quality Complaints Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Taste and Odor	0	0	0	0									**0**	**0**	**0**	**0**	**0**
Discolored	0	0	0	0									**0**	**0**	**0**	**0**	**0**
Boil Water Notices	0	0	0	0									**0**	**0**	**0**	**0**	**0**
2025	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

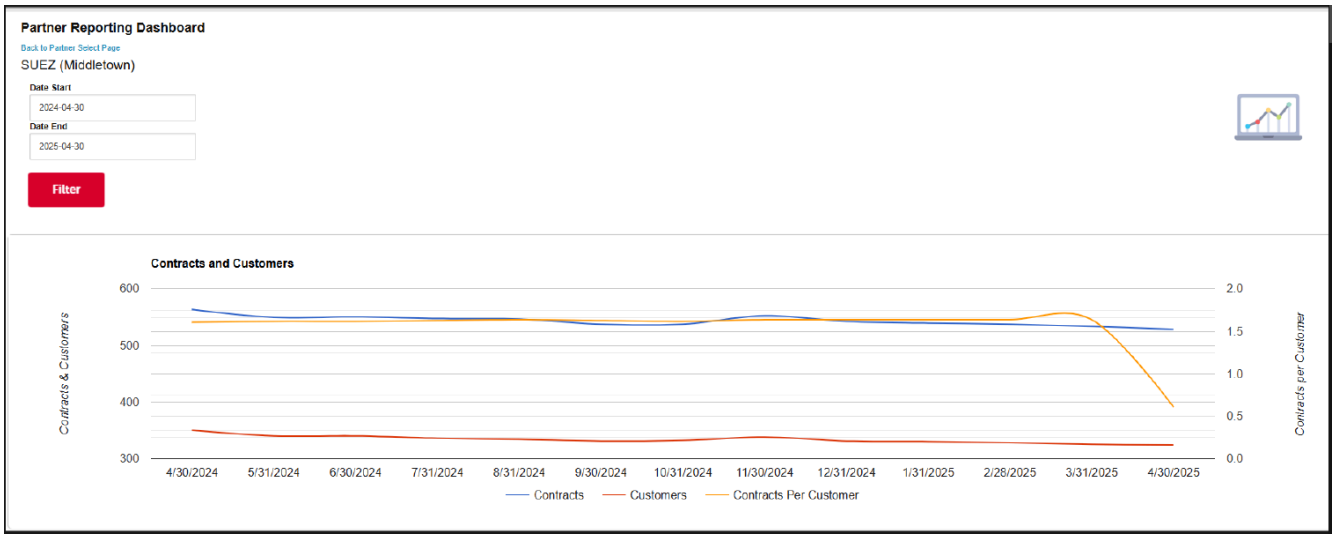
Sewer and Collection Issues

A summary of complaints related to the sewer and collection system is provided in the table below.

Sewer Quality Complaints Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Back-up / Blockage	0	1	1	3									2	3	0	0	5
Odor	0	0	0	0									0	0	0	0	0
2025 TOTAL	**0**	**1**	**1**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**2**	**3**	**0**	**0**	**5**

Home Serve USA



Additional HomeServe data for the reporting period can be found in Appendix 3

Next Month Customer Service Priorities

Research customer usage portal option with Neptune. Work on lowering outstanding collections in 2025. Continue the online payment program roll-out.

Water Sales Test Period

Water Sales Test Period No. 4 1/1/2024 to 12/31/2026	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Total	YTD Avg
Total consumption for the month (gallons)	2024	20,610,500	22,016,900	18,229,900	20,271,100	18,323,200	19,844,100	19,538,500	21,325,800	20,035,300	20,548,000	18,853,300	21,750,200	241,346,800	20,112,233
	2025	18,888,800	22,798,580	19,417,700	18,640,400									79,745,480	0
	2026													0	0
Billing Period (days)	2024	31	29	31	30	31	30	31	31	30	31	30	31	366	31
	2025	31	28	31	30	31	30	31	31	30	31	30	31	365	30
	2026	31	28	31	30	31	30	31	31	30	31	30	31	365	30
Retail Sales - Total month (gallons)	2024	18,849,700	20,234,400	16,655,500	18,480,100	16,592,500	17,810,100	17,582,900	19,295,500	18,132,400	18,501,900	16,985,000	19,567,500	218,687,500	18,223,958
	2025	17,021,000	20,819,000	17,686,000	16,934,000									72,460,000	0
	2026													0	0
Retail Sales - Average Daily (gallons per day)	2024	608,055	697,738	537,274	616,003	535,242	593,670	567,190	622,435	604,413	596,835	566,167	631,210	7,176,234	598,019
	2025	549,064	743,536	570,516	564,467									2,427,583	0
	2026													0	0
Avg retail water sales (gal)		**578,559**	**720,637**	**553,895**	**590,235**	**535,242**	**593,670**	**567,190**	**622,435**	**604,413**	**596,835**	**566,167**	**631,210**	**3,201,272**	**199,340**
Bulk Municipal Sales - Total month (gallons)	2024	1,760,800	1,782,500	1,574,400	1,791,000	1,730,700	2,034,000	1,955,600	2,030,300	1,902,900	2,046,100	1,868,300	2,182,700	22,659,300	1,888,275
	2025	1,867,000	1,966,000	1,731,000	1,706,000									7,270,000	0
	2026													0	0
Bulk Municipal - Average Daily (gallons per day)	2024	56,800	61,466	50,787	59,700	55,829	67,800	63,084	65,494	63,430	66,003	62,277	70,410	743,079	61,923
	2025	60,226	70,214	55,839	56,867									243,146	0
	2026													0	0
Avg Bulk Customer sales (gal)		58,513	65,840	53,313	58,284	55,829	67,800	63,084	65,494	63,430	66,003	62,277	70,410	328,742	20,641

Contract Daily Bulk Water Sales Upper Limit (gal/day) =	**62,970**
Bulk Sales Surplus (gal/day) =	**No Surplus**
Sum of Actual Average daily volume of Metered water sales to Retail Water Customers over Test period + Bulk Sales Surplus (gal/day) =	**199,340**
Contract Daily Water Sales Upper Limit (gal/day) =	**639,340**

2.5. Human Resources

There are no items at this time.

3. Engineering and Capital Improvements

Capital improvement projects for the water and wastewater systems were developed for 2025 and presented in the draft Five-Year Capex Plan to the Concessionaire and Borough. The projects are divided into Base CAPEX projects and Major CAPEX projects. Careful consideration is given when awarding projects to ensure that experienced and responsible contractors that meet the Responsible Contractor Policy are selected.

Proposed Base Capex Projects:

Capital Projects from the Base CAPEX are listed below:

- **Water/Wastewater Performance Evaluation:** As part of a contractual obligation, Veolia solicited HRG to provide professional engineering services to complete both the Water and Wastewater System Performance Evaluation.
- **Ventilation of ATAD Building Project:** This project aims to enhance the ventilation system within the building to mitigate the excessive heat generated by the ATAD and SNDR pumps. This improvement is essential to safeguard the motor control panels from overheating, ensuring their optimal functionality and preventing potential damage caused by elevated temperatures.
- **WWTP SCADA Upgrade Project:** This project is to upgrade the Wastewater Treatment Plant's Supervisory Control And Data Acquisition (SCADA) system involving the replacement and modernization of both software and hardware components. This comprehensive upgrade aims to enhance the plant's overall operational efficiency, data collection and analysis capabilities, and remote monitoring and control functionalities.
- **WWTP Facilities Security Upgrades Project:** This project encompasses a series of security upgrades to be implemented at the Wastewater Treatment Plant (WWTP) facilities. These upgrades are based on the findings and recommendations of a comprehensive condition assessment, as well as routine inspections conducted at the WWTP site.
- **Well Facilities Security Upgrades Project:** This project encompasses a series of security enhancements that will be implemented across our Well facilities. These enhancements are directly informed by the findings of a comprehensive condition assessment and routine inspections that were carried out to evaluate the current state of security infrastructure and protocols.
- **Trench Opening Restoration Project:** This project will be undertaken to execute roadway enhancements in accordance with the Borough's directives and the latest regulatory mandates pertaining to roadway openings.
- **WWTP Electrical Upgrades:** Project to perform improvements on the electrical system within the WWTP.
- **Water and Wastewater Systems Miscellaneous Upgrades:** Various water and wastewater systems upgrades based on condition assessment and routine inspections made throughout the year
- **Safety Upgrades:** Various environmental, health and safety equipment improvements at the WWTP and well sites.

Major CAPEX Projects:

Major CAPEX projects will be planned and completed pursuant to the requirements of the Concession Agreement, and the AAA arbitration decision received in 2020. Note that in conjunction with the general requirements set forth in the Operating Standards (i.e., Schedule 4 of the Concession Agreement), the Concessionaire may implement Major Capex to meet emergency, health, safety and water quality requirements at its discretion, and in accordance with Good Engineering and Construction Practices. These projects, which the Concessionaire continues to study in conjunction with Veolia, include, but are not limited to,

- Underground Infrastructure Replacements
- Water Storage Tank Rehabilitations
- Headworks Upgrades
- Wastewater Plant Upgrades
- Water Well System Upgrades
- WWTP Effluent Outfall Rehabilitation
- Flow Proportional Chemical Feed Well Upgrades

Underground Infrastructure Replacements:

The underground infrastructure upgrades in Middletown began with the 2015 project, completed by EK Services in June 2016, which replaced 2,500 linear feet (LF) of water main along Ann Street and Oak Hill Drive. Following this, EK Services completed the 2016/2019 project in May 2021, replacing 5,600 LF of water main on High Street and Catherine Street. The 2017/2020 project, also executed by EK Services, involved 5,500 LF of water main and 1,000 LF of sewer system replacement, reaching completion in July 2022 after COVID-related delays. Wexcon handled the 2018/2021 project, completing 5,000 LF of water main and 1,000 LF of sewer system replacement in early 2024, which included connecting high and low pressure zones to improve water pressure in certain areas.

This year, Veolia will begin the 2022/2023 project which aims to replace/rehabilitate approximately 5,176 LF of water main and approximately 1,916 LF of sewer main along with 22 sewer manholes. Construction for this project is set to start in the beginning of May 2025 and is estimated to be completed by February 2026.

Work commenced on May 7th along Keystone Ave. Following completion, work will continue to the following streets:

- Spruce Street between E. High and E. Main Street
- E. Peter Avenue
- Aspen Street
- Spruce Street and Oak Hill Drive
- E. Water Street between N. Pine and Vine Street
- Spruce St between E. Waters Street and E. Main Street
- Vine Street between E. Main and E. Water Street
- N. Union Street between Main and Spring Streets, including Girard Avenue

Water Storage Tank Rehabilitations

A comprehensive water storage tank rehabilitation project was initiated as part of the 2020 Capital Improvement Plan, encompassing three tanks. The High Street Tank project was awarded to IK Stoltzfus in October 2021. This tank was completed in December 2022 and returned to service in February 2023 following interior/exterior blasting and repainting. The Turnpike Tank rehabilitation, also awarded to IK Stoltzdus, began in August 2023 and was completed and returned to service by November 14, 2023.

The final phase, the North Union Street Tank, is currently being rehabilitated by I.K Stoltzfus. This tank was drained and taken out of service in December 2024. Before rehabilitation could commence, a cable corral had to be installed by AT&T prior to the tank sand blasting which was completed in January 2025. A temporary booster pump station was also installed to ensure adequate water flow to the high pressure zone prior to the N. Union Street tank being drained. Once the accessory work was completed, IK Stoltzfus began to blast and paint the interior and exterior of the tank.

Improvements to the tank also consisted of the addition of a new maintenance manway and hatch. This will allow for a safer means of access into the tank for any future maintenance.

It is anticipated that the tank will be returned to service in May 2025.

Before

After

Headworks Upgrades

At the influent zone of the WWTP sit various pieces of equipment that make up the headworks of the facility. This equipment includes three raw water pumps, a bar screen, a washer compactor and various other safety and electrical components required to run a complete operation. This area is also the first stop for the raw sewage that comes from the Borough sewer pipe network. It is in this Headworks area, that large debris and material is removed from the sanitary sewer water and collected for disposal.

Because of the organic matter in sanitary sewer water, various corrosive gases are produced that can lead to the degradation of the equipment in the headworks area. Over the years, this equipment has deteriorated and began to fail. Veolia has begun the rehabilitation of the headworks area to protect the equipment against the harmful corrosive gases.

These upgrades include the replacement of the washer compactor system, installation of a grit flushing system on the raw water pumps, electrical and controls upgrades and structural repairs to the walls and ceilings. This work is currently underway and will be completed by the end of September 2025.

Flow Proportional Chemical Feed Well Upgrades

A Notice of Violation (NOV) was issued on March 1, 2021 for Well # 4 Fluoride system deficiencies. 25 Pa. Code Section 109.602(b) requires that, “Designs of public water facilities shall conform to accepted standards of engineering and design in the water supply industry and shall provide protection from failures of sources, treatment, equipment, structures or power supply.” The current chemical feed design of the fluoridation system at treatment plant 304 does not meet acceptable design and construction standards, which constitutes a violation of 25 Pa. Code Section 109.602(b).

To satisfy this Regulatory requirement, Veolia has begun to implement a full flow proportional chemical feed system at each of the active wells. In order to achieve this, upgrades have to be made to each wells SCADA system. Below is a table summarizing the current status of each wells flow pacing and SCADA system

Veolia has partnered with Tri Star Inc. to complete this upgrade. Tri Star is actively working on this project and will be completed by June 2025. Once complete, the regulatory requirement will have been met.

Capital Improvement Plan

The following DRAFT Capital Improvement Plan was submitted on March 1, 2025. The plan was conditionally approved by the Borough by letter on March 18, 2025.

BOROUGH OF MIDDLETOWN
SEWER COLLECTION, CONVEYANCE, & TREATMENT FACILITIES
DRAFT - 5 Year Capital Improvements Plan (2025-2029)
March 25th, 2025

	5 YEAR CAPITAL IMPROVEMENT PLAN				
BASE CAPITAL IMPROVEMENTS	**2025 ***	**2026 ***	**2027 ***	**2028 ***	**2029 ***
Water and WWTP System Evaluations	$ 40,000	$ 40,000	$ 40,000	$ 40,000	$ 40,000
Ventilation of ATAD Building Project	$ 35,000	$ -	$ -	$ -	$ -
WWTP SCADA Upgrade Project	$ 68,000	$ -	$ -	$ -	$ -
Fire Alarm System Design Project	$ -	$ -	$ 20,000	$ -	$ -
Biofilter Instrumentation Replacement Project	$ -	$ 50,000	$ -	$ -	$ -
ATAD & SNDR Reactors Instrumentation Replacement Project	$ -	$ -	$ -	$ 15,000	$ 25,000
Biosolids Processing Instrumentation Replacement Project	$ -	$ 30,000	$ -	$ -	$ -
Scum Pump Station Instrumentation Replacement Project	$ -	$ -	$ 50,000	$ 60,000	$ 40,000
WWTP Facilities Security Upgrades Project	$ 15,000	$ 20,000	$ 20,000	$ 10,000	$ 15,000
Well Facilities Security Upgrades Project	$ 20,000	$ 20,000	$ 20,000	$ 20,000	$ 20,000
Trench Opening Restoration Project	$ 47,000	$ 47,000	$ 47,000	$ 47,000	$ 50,000
WWTP Electrical Upgrades	$ 15,000	$ 15,000	$ 15,000	$ 15,000	$ 20,000
Water and Wastewater Systems Miscellanous Upgrades	$ 160,000	$ 180,000	$ 195,000	$ 205,000	$ 215,000
Safety Upgrades	$ 25,000	$ 25,000	$ 35,000	$ 40,000	$ 40,000
TOTAL BASE CAPITAL IMPROVEMENTS *	**$ 425,000**	**$ 427,000**	**$ 442,000**	**$ 452,000**	**$ 465,000**
PROPOSED YEARLY BUDGET FOR BASE CAPITAL PROJECTS **	**$ 426,150**	**$ 437,230**	**$ 448,598**	**$ 460,262**	**$ 472,228**

MAJOR CAPITAL IMPROVEMENTS	**2025 ***	**2026 ***	**2027 ***	**2028 ***	**2029 ***
Underground Infrastructure Replacements (2027 - 2029)			$ 2,659,820	$ 2,710,356	$ 2,761,853
Underground Infrastructure Replacements (2022) ***	$ 2,287,000	$ -	$ -	$ -	$ -
Underground Infrastructure Replacements (2023) ***	$ 2,296,202	$ -	$ -	$ -	$ -
Underground Infrastructure Replacements (2024)	$ 50,000	$ 2,808,794	$ -	$ -	$ -
Underground Infrastructure Replacements (2025)	$ 50,000	$ 2,911,556	$ -	$ -	$ -
Underground Infrastructure Replacements (2026)	$ -	$ -	$ 2,610,226	$ -	$ -
Water Storage Tank Rehabilitation - Union Street	$ 924,275	$ -	$ -	$ -	$ -
Wastewater Plant Upgrades	$ 1,042,558	$ -	$ -	$ -	$ -
Water System Upgrades	$ -	$ 920,000	$ -	$ -	$ -
Headworks Upgrade (bar screen, pump, wiring, etc.)	$ 617,088	$ -	$ -	$ -	$ -
Contingency (5%)	$ 363,356	$ 332,018	$ 263,502	$ 135,518	$ 138,093
TOTAL MAJOR PROJECTS	**$ 7,630,479**	**$ 6,972,368**	**$ 5,533,548**	**$ 2,845,874**	**$ 2,899,946**

REGULATORY COMPLIANCE					
Well Upgrades (Pumps, controls, automation)	**$ 90,000**	**$ 30,000**	**$ -**	**$ -**	**$ -**
WWTP Effluent Outfall Rehabilitation ****	**$ -**	**$ 620,000**	**$ -**	**$ -**	**$ -**
Lead Service Line Inventory******	**$ 218,820**	**$ 218,820**	**$ 218,820**	**$ -**	**$ -**
PFAS******	**$ 100,000**	**$ 500,000**	**$ 500,000**	**$ -**	**$ -**
TOTAL CAPEX	**$ 8,464,299**	**$ 8,768,188**	**$ 6,694,368**	**$ 3,297,874**	**$ 3,364,946**

NOTES:

* All costs are in 2025

** Consumer Price Index rate of 2.6% (as of December 2025) is applied to the "Proposed Yearly Budget for Base Capital Projects" based on the Concessionaire Agreement

*** Paving to be completed in 2025

**** Subject to PADEP direction and regulations (Cost estimate in 2025 dollars)

***** Based on new regulatory requirement. Placeholder in the event lead is located in the system and PA DEP requires replacement.

****** Treatment will be based on regulatory testing that is taking place in 2025 due to EPA/PA DEP regualtions.

4. Environment, Health & Safety

A summary of the key EHS activities and events tracked by Veolia are summarized below:

Regulatory & Incident Reporting Summary: March 2025							
Month	**Regulatory (PADEP/USEPA) Notifications**	**Concessionaire Notifications**	**Incident Email Notifications**	**Hotline notifications**	**Hotline Notifications/ Chemical Spills**	**Non-Compliance Violations**	**Reporting Non-Compliance**
January	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0
March	0	0	0	0	0	0	0
April	0	0	0	0	0	0	0
May							
June							
July							
August							
September							
October							
November							
December							
Year-to-Date	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Health & Safety Reporting Summary: March 2025					
Month	**OSHA Lost Time**	**Total Days Lost**	**Preventable Injuries**	**Near Miss**	**Employee Lost Time (Not Job Related) - Total as Sick Hours**
January	0	0	0	0	36.5
February	0	0	0	0	1
March	0	0	0	0	0
April	0	0	0	0	205
May					
June					
July					
August					
September					
October					
November					
December					
Year-to-Date	**0**	**0**	**0**	**0**	**242.5**

Middletown March 2025 Completed Work Orders

Work Order Number	Asset Description	Task Performed	Completed	Wo Type Description	Performed By
578501	BACKFLOW PREVENTER	Backflow Preventer WWTP/Wells - Annual	03/18/2025 01:35 PM	Preventive Maintenance	James Hannan
589034	18 Assets	NEW F.O.G. HOT SPOT INSPECTION - Q1	03/17/2025 01:50 PM	Preventive Maintenance	Chuck Krupilis
590891	12 Assets	Emergency Lights - Monthly (WWTP)	03/18/2025 05:56 PM	Preventive Maintenance	Chuck Krupilis
591372	WELL #1 DISCHARGE VALVE	Valve Exercise - Annual (Water Wells)	03/10/2025 02:17 PM	Preventive Maintenance	James Hannan
592261	UTILITY WATER PUMP #1		03/10/2025 06:47 PM	Corrective Maintenance Non Emergency	James Hannan
592262	UTILITY WATER PUMP #2		03/10/2025 06:49 PM	Corrective Maintenance Non Emergency	James Hannan
592373	14 Assets	Fire Extinguisher - Monthly (WWTP)	03/18/2025 04:52 PM	Preventive Maintenance	Chuck Krupilis
592377	PRESSURE REDUCING VALVE (Booster Station-Sidewalk)	Pump Rainwater out of Vault	03/04/2025 01:39 PM	Preventive Maintenance	Ron Rhodes
592959	PORTABLE CL2 SINGLE-GAS METER	Gas Sensor Inspection - Monthly	03/10/2025 06:00 PM	Preventive Maintenance	Michael Bixler
592960	PORTABLE MULTI-GAS METER #1	Gas Sensor Inspection - Monthly	03/10/2025 06:40 PM	Preventive Maintenance	Michael Bixler
592961	PORTABLE MULTI-GAS METER #2	Gas Sensor Inspection - Monthly	03/10/2025 06:43 PM	Preventive Maintenance	Michael Bixler
592962	PORTABLE GL2 SINGLE-GAS METER	Gas Sensor Inspection - Monthly	03/10/2025 06:36 PM	Preventive Maintenance	Michael Bixler
592995	UNIVERSAL WASTE/FLAMMABLE CABINETS	Universal Waste Area - Monthly	03/11/2025 05:58 PM	Preventive Maintenance	Michael Bixler
592996	12 Assets	Emergency Lights - Monthly (WWTP)	03/18/2025 05:55 PM	Preventive Maintenance	Chuck Krupilis
592997	RAW SEWAGE PUMP 1	RAW Pump - Monthly (ALSO COMPLETE ADDITIONAL ASSESMENT DATA PAGE)	03/18/2025 04:52 PM	Preventive Maintenance	Chuck Krupilis
592998	RAW SEWAGE PUMP 2	RAW Pump - Monthly (ALSO COMPLETE ADDITIONAL ASSESMENT DATA PAGE)	03/28/2025 03:13 PM	Preventive Maintenance	Chuck Krupilis
592999	RAW SEWAGE PUMP 3	RAW Pump - Monthly (ALSO COMPLETE ADDITIONAL ASSESMENT DATA PAGE)	03/27/2025 02:35 PM	Preventive Maintenance	Chuck Krupilis
593000	WELL #3 SUBMERSIBLE PUMP	Submersible Well Pump - Monthly - off until August	03/12/2025 02:19 PM	Preventive Maintenance	James Hannan
593001	WELL #5 PUMP (SUBMERSIBLE)	Submersible Well Pump - Monthly - off until August	03/07/2025 05:43 PM	Preventive Maintenance	James Hannan
593002	WELL #6 SUBMERSIBLE WELL PUMP	Submersible Well Pump - Monthly - off until August	03/12/2025 02:30 PM	Preventive Maintenance	James Hannan

593003	WELL #4 PUMP	Submersible Well Pump - Monthly - off until August	03/06/2025 04:26 PM	Preventive Maintenance	James Hannan
593005	WELL #2 PUMP	Vertical Turbine Well Pumps - Monthly	03/19/2025 12:23 PM	Preventive Maintenance	James Hannan
593008	EYE WASH/SAFETY SHOWER	Eyewash Station - Monthly (WWTP)	03/18/2025 04:51 PM	Preventive Maintenance	Chuck Krupilis
593009	EYE WASH/SAFETY SHOWER	Eyewash Station - Monthly (WWTP)	03/18/2025 04:51 PM	Preventive Maintenance	Chuck Krupilis
593010	GUARDIAN EYE WASH/SAFETY SHOWER (OUTSIDE)	Eyewash Station - Monthly (WWTP)	03/18/2025 04:51 PM	Preventive Maintenance	Chuck Krupilis
593011	SAFETY SHOWER IN WW LAB	Eyewash Station - Monthly (WWTP)	03/18/2025 04:50 PM	Preventive Maintenance	Chuck Krupilis
593012	EYE WASH/SAFETY SHOWER	Eyewash Station - Monthly (WWTP)	03/18/2025 04:50 PM	Preventive Maintenance	Chuck Krupilis
593029	WELL #5 FLUORIDE PUMP	Chemical Feed - Monthly (Water Wells) - removed 3 and 4	03/07/2025 05:38 PM	Preventive Maintenance	James Hannan
593030	WELL #5 HYPOCHLORITE PUMP # 1	Chemical Feed - Monthly (Water Wells) - removed 3 and 4	03/07/2025 02:48 PM	Preventive Maintenance	James Hannan
593031	FLUORIDE PUMP 1	Chemical Feed - Monthly (Water Wells) - removed 3 and 4	03/12/2025 01:04 PM	Preventive Maintenance	James Hannan
593032	FLUORIDE PUMP 2	Chemical Feed - Monthly (Water Wells) - removed 3 and 4	03/12/2025 01:03 PM	Preventive Maintenance	James Hannan
593033	HYPOCHLORITE PUMP 1	Chemical Feed - Monthly (Water Wells) - removed 3 and 4	03/12/2025 01:03 PM	Preventive Maintenance	James Hannan
593034	HYPOCHLORITE PUMP 2	Chemical Feed - Monthly (Water Wells) - removed 3 and 4	03/12/2025 01:00 PM	Preventive Maintenance	Adam Bixler
593035	FLUORIDE FEED PUMP	Chemical Feed - Monthly (Water Wells) - removed 3 and 4	03/14/2025 03:19 PM	Preventive Maintenance	James Hannan
593036	HYPO FEED PUMP W0087-02	Chemical Feed - Monthly (Water Wells) - removed 3 and 4	03/12/2025 02:45 PM	Preventive Maintenance	James Hannan
593037	CHEMICAL FILL STATION	Chemical Feed - Monthly (Water Wells) - removed 3 and 4	03/12/2025 02:23 PM	Preventive Maintenance	James Hannan
593038	CHEMICAL FILL STATION	Chemical Feed - Monthly (Water Wells) - removed 3 and 4	03/06/2025 04:25 PM	Preventive Maintenance	James Hannan
593039	CHEMICAL FILL STATION	Chemical Feed - Monthly (Water Wells) - removed 3 and 4	03/07/2025 05:45 PM	Preventive Maintenance	James Hannan
593040	EXHAUST FAN	Exhaust Fans - Monthly (Water Wells)	03/17/2025 02:54 PM	Preventive Maintenance	James Hannan

593041	EXHAUST FAN	Exhaust Fans - Monthly (Water Wells)	03/10/2025 02:16 PM	Preventive Maintenance	James Hannan
593042	EXHAUST FAN	Exhaust Fans - Monthly (Water Wells)	03/12/2025 01:07 PM	Preventive Maintenance	James Hannan
593043	EXHAUST FAN CHEMICAL ROOM	Exhaust Fans - Monthly (Water Wells)	03/12/2025 02:17 PM	Preventive Maintenance	James Hannan
593044	EXHAUST FAN #1	Exhaust Fans - Monthly (Water Wells)	03/06/2025 04:26 PM	Preventive Maintenance	James Hannan
593045	EXHAUST FAN #2	Exhaust Fans - Monthly (Water Wells)	03/06/2025 04:27 PM	Preventive Maintenance	James Hannan
593046	EXHAUST VENTILATOR #1	Exhaust Fans - Monthly (Water Wells)	03/07/2025 05:47 PM	Preventive Maintenance	James Hannan
593047	EXHAUST VENTILATOR #2	Exhaust Fans - Monthly (Water Wells)	03/07/2025 02:49 PM	Preventive Maintenance	James Hannan
593048	EXHAUST FAN	Exhaust Fans - Monthly (Water Wells)	03/12/2025 02:30 PM	Preventive Maintenance	James Hannan
593049	EXHAUST FAN	Exhaust Fans - Monthly (Water Wells)	03/05/2025 05:30 PM	Preventive Maintenance	James Hannan
593050	EXHAUST FAN PUMP ROOM W0090-001	Exhaust Fans - Monthly (Water Wells)	03/12/2025 02:43 PM	Preventive Maintenance	James Hannan
593051	EXHAUST FAN HYPO ROOM W0087-001	Exhaust Fans - Monthly (Water Wells)	03/12/2025 02:46 PM	Preventive Maintenance	James Hannan
593052	EXHAUST FANS CONTROL ROOM W0089-001	Exhaust Fans - Monthly (Water Wells)	03/12/2025 02:42 PM	Preventive Maintenance	James Hannan
593053	8 Assets	Emergency Lights - Monthly (Water Wells)	03/03/2025 05:56 PM	Preventive Maintenance	James Hannan
593054	EMERGENCY EYEWASH & SHOWER	Eyewash Station - Monthly (Water Wells) - removed 504-04-ew-01	03/03/2025 06:02 PM	Preventive Maintenance	James Hannan
593055	EMERGENCY EYEWASH & SHOWER	Eyewash Station - Monthly (Water Wells) - removed 504-04-ew-01	03/03/2025 06:03 PM	Preventive Maintenance	James Hannan
593056	7 Assets	Fire Extinguisher - Monthly (Water Wells)	03/03/2025 05:56 PM	Preventive Maintenance	James Hannan
593057	UNIT HEATER 445	Unit Heaters - Monthly (Water Wells)	03/17/2025 02:55 PM	Preventive Maintenance	James Hannan
593058	UNIT HEATER 446	Unit Heaters - Monthly (Water Wells)	03/17/2025 02:58 PM	Preventive Maintenance	James Hannan
593059	UNIT HEATER	Unit Heaters - Monthly (Water Wells)	03/05/2025 05:29 PM	Preventive Maintenance	James Hannan
593060	UNIT HEATER CONTROL ROOM	Unit Heaters - Monthly (Water Wells)	03/12/2025 02:38 PM	Preventive Maintenance	James Hannan

593061	UNIT HEATER PUMP ROOM	Unit Heaters - Monthly (Water Wells)	03/12/2025 02:39 PM	Preventive Maintenance	James Hannan
593062	UNIT HEATER HYPO ROOM	Unit Heaters - Monthly (Water Wells)	03/14/2025 03:28 PM	Preventive Maintenance	James Hannan
593063	UNIT HEATER FLUORIDE ROOM	Unit Heaters - Monthly (Water Wells)	03/14/2025 03:20 PM	Preventive Maintenance	James Hannan
593064	UNIT HEATER	Unit Heaters - Monthly (Water Wells)	03/12/2025 02:30 PM	Preventive Maintenance	James Hannan
593065	UNIT HEATER 502	Unit Heaters - Monthly (Water Wells)	03/07/2025 05:46 PM	Preventive Maintenance	James Hannan
593066	UNIT HEATER 503	Unit Heaters - Monthly (Water Wells)	03/07/2025 05:45 PM	Preventive Maintenance	James Hannan
593067	UNIT HEATER 435	Unit Heaters - Monthly (Water Wells)	03/06/2025 04:24 PM	Preventive Maintenance	James Hannan
593068	UNIT HEATER 436	Unit Heaters - Monthly (Water Wells)	03/06/2025 04:24 PM	Preventive Maintenance	James Hannan
593069	UNIT HEATER 438	Unit Heaters - Monthly (Water Wells)	03/06/2025 04:23 PM	Preventive Maintenance	James Hannan
593070	UNIT HEATER 44-001	Unit Heaters - Monthly (Water Wells)	03/12/2025 02:21 PM	Preventive Maintenance	James Hannan
593071	UNIT HEATER 443	Unit Heaters - Monthly (Water Wells)	03/12/2025 02:20 PM	Preventive Maintenance	James Hannan
593072	UNIT HEATER 47-001	Unit Heaters - Monthly (Water Wells)	03/12/2025 01:12 PM	Preventive Maintenance	James Hannan
593073	SPACE HEATER	Unit Heaters - Monthly (Water Wells)	03/14/2025 03:33 PM	Preventive Maintenance	James Hannan
593191	5 Assets	WEEKLY JANITORIAL	03/18/2025 05:27 PM	Routine	Ron Rhodes
593247	CENTRIFUGE POLYMER FEED SYSTEM 1	Chemical Feed - Monthly (WWTP)	03/07/2025 02:26 PM	Preventive Maintenance	Adam Bixler
593248	RDT POLYMER FEED SYSTEM	Chemical Feed - Monthly (WWTP)	03/07/2025 02:25 PM	Preventive Maintenance	Adam Bixler
593249	ALUM FEED PUMP #1 TO DISTRIBUTION BOX	Chemical Feed - Monthly (WWTP)	03/07/2025 02:23 PM	Preventive Maintenance	Adam Bixler
593250	ALUM FEED PUMP #2 TO DISTRIBUTION BOX	Chemical Feed - Monthly (WWTP)	03/07/2025 02:22 PM	Preventive Maintenance	Adam Bixler
593251	ALUM FEED PUMP # TO CENTRIFUGE	Chemical Feed - Monthly (WWTP)	03/07/2025 02:21 PM	Preventive Maintenance	Adam Bixler
593252	ALUM FILL STATION (SOUTH SIDE EXTERIOR - RAS BUILDING)	Chemical Feed - Monthly (WWTP)	03/07/2025 02:20 PM	Preventive Maintenance	Adam Bixler
593253	ALUM FEED SYSTEM PIPING	Chemical Feed - Monthly (WWTP)	03/07/2025 02:20 PM	Preventive Maintenance	Adam Bixler
593254	ALUM BULK STORAGE TANK 1	Chemical Feed - Monthly (WWTP)	03/07/2025 02:18 PM	Preventive Maintenance	Adam Bixler
593255	ALUM BULK STORAGE TANK 2	Chemical Feed - Monthly (WWTP)	03/07/2025 02:17 PM	Preventive Maintenance	Adam Bixler

593256	ALUM FEED SYSTEM VALVES	Chemical Feed - Monthly (WWTP)	03/07/2025 02:17 PM	Preventive Maintenance	Adam Bixler
593257	BOOSTER STATION BUILDING	SAFETY INSPECTION - MONTHLY	03/17/2025 03:00 PM	Predictive Maintenance	James Hannan
593285	SECONDARY CLARIFIER 1 WEST	Weekly clarifier hosing.	03/07/2025 06:06 PM	Routine	Chuck Krupilis
593286	SECONDARY CLARIFIER 2 EAST	Weekly clarifier hosing.	03/07/2025 06:05 PM	Routine	Chuck Krupilis
593295	EYE WASH		03/03/2025 06:01 PM	Corrective Maintenance Non Emergency	James Hannan
593296	EMERGENCY EYEWASH & SHOWER		03/03/2025 06:05 PM	Corrective Maintenance Non Emergency	James Hannan
593297	HEAT EXCHANGER MANIFOLD ACTUATED VALVE 5 - ATAD WASTE		03/03/2025 06:21 PM	Corrective Maintenance Non Emergency	Adam Bixler
593392	SURFACE AERATOR ROTOR MOTOR #2A		03/05/2025 05:39 PM	Corrective Maintenance Non Emergency	James Hannan
593393	SURFACE AERATOR ROTOR MOTOR #2B		03/05/2025 05:41 PM	Corrective Maintenance Non Emergency	James Hannan
593478	CHEMICAL FEED #1 TUBING & INJECTION QUILL		03/07/2025 02:52 PM	Corrective Maintenance Non Emergency	James Hannan
593479	WELL #5 MANIFOLD VALVE #1 (FLOW)		03/07/2025 02:53 PM	Corrective Maintenance Non Emergency	James Hannan
593481	CHEMICAL FEED PUMP #1 TUBING & INJECTION QUILL		03/07/2025 03:45 PM	Corrective Maintenance Non Emergency	James Hannan
593482	MANIFOLD ISOLATION VALVE 1		03/07/2025 03:47 PM	Corrective Maintenance Non Emergency	James Hannan
593483	FLUORIDE PUMP 1		03/07/2025 03:50 PM	Corrective Maintenance Non Emergency	James Hannan
593503	UNIT HEATER #1	Unit Heaters - Monthly (WWTP)	03/18/2025 04:49 PM	Preventive Maintenance	Chuck Krupilis
593504	UNIT HEATER #3	Unit Heaters - Monthly (WWTP)	03/18/2025 04:49 PM	Preventive Maintenance	Chuck Krupilis
593505	WALL HEATER	Unit Heaters - Monthly (WWTP)	03/18/2025 04:48 PM	Preventive Maintenance	Chuck Krupilis
593506	UNIT HEATER 1ST LEVEL	Unit Heaters - Monthly (WWTP)	03/18/2025 04:48 PM	Preventive Maintenance	Chuck Krupilis
593507	UNIT HEATER	Unit Heaters - Monthly (WWTP)	03/18/2025 04:48 PM	Preventive Maintenance	Chuck Krupilis
593508	UNIT HEATER UH5 1ST LEVEL	Unit Heaters - Monthly (WWTP)	03/18/2025 04:47 PM	Preventive Maintenance	Chuck Krupilis
593509	UNIT HEATER UH6 1ST LEVEL	Unit Heaters - Monthly (WWTP)	03/18/2025 04:47 PM	Preventive Maintenance	Chuck Krupilis
593510	UNIT HEATER UH7 MCC ROOM	Unit Heaters - Monthly (WWTP)	03/18/2025 04:46 PM	Preventive Maintenance	Chuck Krupilis
593511	UNIT HEATER UH9 2ND LEVEL	Unit Heaters - Monthly (WWTP)	03/18/2025 04:46 PM	Preventive Maintenance	Chuck Krupilis
593512	UNIT HEATER #1	Unit Heaters - Monthly (WWTP)	03/18/2025 04:46 PM	Preventive Maintenance	Chuck Krupilis
593513	UNIT HEATER #2	Unit Heaters - Monthly (WWTP)	03/18/2025 04:46 PM	Preventive Maintenance	Chuck Krupilis
593514	UNIT HEATER #3	Unit Heaters - Monthly (WWTP)	03/18/2025 04:45 PM	Preventive Maintenance	Chuck Krupilis

593515	UNIT HEATER #4	Unit Heaters - Monthly (WWTP)	03/18/2025 04:45 PM	Preventive Maintenance	Chuck Krupilis
593516	UNIT HEATER	Unit Heaters - Monthly (WWTP)	03/18/2025 04:45 PM	Preventive Maintenance	Chuck Krupilis
593517	UNIT HEATER	Unit Heaters - Monthly (WWTP)	03/18/2025 04:45 PM	Preventive Maintenance	Chuck Krupilis
593518	UNIT HEATER	Unit Heaters - Monthly (WWTP)	03/18/2025 04:45 PM	Preventive Maintenance	Chuck Krupilis
593519	WALL HEATER IN WATER LAB	Unit Heaters - Monthly (WWTP)	03/10/2025 06:51 PM	Preventive Maintenance	James Hannan
593520	HANGING UNIT HEATER IN HALLWAY	Unit Heaters - Monthly (WWTP)	03/18/2025 04:44 PM	Preventive Maintenance	Chuck Krupilis
593521	HOT WATER BASEBOARD/WALL HEATERS	Unit Heaters - Monthly (WWTP)	03/18/2025 04:44 PM	Preventive Maintenance	Chuck Krupilis
593522	UNIT HEATER UH-04	Unit Heaters - Monthly (WWTP)	03/18/2025 04:43 PM	Preventive Maintenance	Chuck Krupilis
593523	UNIT HEATER SCREENING BLDG.	Unit Heaters - Monthly (WWTP)	03/18/2025 04:43 PM	Preventive Maintenance	Chuck Krupilis
593578	5 Assets	WEEKLY JANITORIAL	03/14/2025 06:49 PM	Routine	James Hannan
593684	SECONDARY CLARIFIER 1 WEST	Weekly clarifier hosing.	03/18/2025 03:05 PM	Routine	Chuck Krupilis
593685	SECONDARY CLARIFIER 2 EAST	Weekly clarifier hosing.	03/18/2025 03:04 PM	Routine	Chuck Krupilis
593690	EMERGENCY EYEWASH & SHOWER		03/11/2025 03:35 PM	Corrective Maintenance Non Emergency	Adam Bixler
593691	WELL #6 STATION STRUCTURE		03/11/2025 03:37 PM	Corrective Maintenance Non Emergency	Adam Bixler
593723	ANALYZER 2		03/12/2025 12:13 PM	Corrective Maintenance Non Emergency	James Hannan
593724	CHEMICAL FEED PUMP #2 TUBING & INJECTION QUILL		03/12/2025 12:17 PM	Corrective Maintenance Non Emergency	Adam Bixler
593725	FLUORIDE WEIGH SCALE 1		03/12/2025 12:19 PM	Corrective Maintenance Non Emergency	Adam Bixler
593726	CHEMICAL FEED PUMP #2 TUBING & INJECTION QUILL		03/12/2025 01:02 PM	Corrective Maintenance Non Emergency	Adam Bixler
593729	348 S CATHERINE ST		03/14/2025 03:57 PM	Corrective Maintenance Non Emergency	James Hannan
593803	FINISHED WATER DISCHARGE VALVE		03/14/2025 03:30 PM	Corrective Maintenance Non Emergency	James Hannan
593809	LIME SILO		03/14/2025 06:47 PM	Corrective Maintenance Non Emergency	James Hannan

Report Totals

Veolia MIDDLETOWN
453 South Lawrence Street
Middletown, PA 17057
717-948-3055

May 30, 2025

Mr. Kenneth Klinepeter
Borough of Middletown
kklinepeter@middletownborough.com

Mr. Dan Sugarman
Water Capital Partners LLC
dan.sugarman@wcpartnersllc.com

Mr. John Joyner
Water Capital Partners LLC
john.joyner@wcpartnersllc.com

Mr. Don Correll
Water Capital Partners LLC
don.correll@wcpartnersllc.com

RE: Laboratory Supervisor Certification – April 2025

Pursuant to Section 6.3 - Quality Control Reporting of the Operating Standards:

"I hereby certify that the analytical results reported in this NPDES Discharge Monitoring Report were obtained from analyses performed in accordance with the methods approved under 40 CFR 136, and that the appropriate quality control measures contained in the approved Quality Manual were strictly followed."

George Flowers
Project Leader
Veolia Middletown

Veolia MIDDLETOWN
453 South Lawrence Street
Middletown, PA 17057
717-948-3055

May 30, 2025

Mr. Kenneth Klinepeter
Borough of Middletown
kklinepeter@middletownborough.com

Mr. Dan Sugarman
Water Capital Partners LLC
dan.sugarman@wcpartnersllc.com

Mr. John Joyner
Water Capital Partners LLC
john.joyner@wcpartnersllc.com

Mr. Don Correll
Water Capital Partners LLC
don.correll@wcpartnersllc.com

RE: Environmental Laws Certification – April 2025

Pursuant to Section 7.1(c (iii- Violations and Reports of the Operating and Maintenance Agreement:

"I hereby certify that, to the best of my knowledge, the Water and Wastewater systems were operated in accordance with existing permits and Local, State and Federal environmental laws."

George Flowers
Project Leader
Veolia Middletown

APPENDIX 1

WASTEWATER

MIDDLETOWN WWTP

MONTHLY DISCHARGE MONITORING REPORT (eDMR) SUBMISSION

SUPPLEMENTAL WWTP PROCESS CONTROL & OPERATIONAL DATA

&

SMARTCOVER® MONITORING SYSTEM REPORT

Ammerman, Micah <micah.ammerman@veolia.com>

Your eDMR Report Has Been Received For Permit No. PA0020664

1 message

depgreenporthelpdesk@pa.gov <depgreenporthelpdesk@pa.gov> 16 May 2025 at 13:54
To: micah.ammerman@veolia.com, kodi.webb@veolia.com, Micah.Ammerman@veolia.com

This email is to confirm that the following report was received by DEP through the eDMR system:

Facility Name: MIDDLETOWN STP
Permit Number: PA0020664
Report Frequency: Monthly
Report Type: DMR
Reporting Period: 04/01/2025-04/30/2025
Report Due Date: 05/28/2025

Submitted By: Micah Ammerman
Submission Id: 522467
Submission Status: Received
Submission Type: Original
To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: **MIDDLETOWN WATER JT VENTURE LLC**
ADDRESS: **9W 57TH ST STE 4200, NEW YORK NY, 10019**
FACILITY: **MIDDLETOWN STP**
LOCATION: **453 S LAWRENCE ST, MIDDLETOWN PA, 17057-1132**
STAGE: **Final Effluent**

PA0020664	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	**2025**	**04**	**01**	TO	**2025**	**04**	**30**

Reporting Frequency: **Monthly**
DMR Effective From: **04/01/2025**
DMR Effective To: **04/30/2025**
Permit Expires: **02/28/2026**
Permit Application Due: **09/01/2025**
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	7.96	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	7.3	***	7.8	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	< 17	< 28	lbs/day	***	< 2.0	< 3.0	mg/L	2/week	24-Hr Composite
	Permit Requirement	550 Avg Mo	826 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		2/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 2.42	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	.15	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .74	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	< 1.68	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	1	***	lbs/day	***	.11	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	37 Avg Mo	***		***	2.0 Avg Mo	***		2/week	24-Hr Composite
Flow (50050)	Sample Measurement	1.405	1.766	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.4	.56	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 695.1	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	44.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 213.6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 481.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	31	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 5.0	42	No./100 ml	2/week	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		2/week	Grab

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 19	< 28	lbs/day	***	< 2.0	< 2.0	mg/L	2/week	24-Hr Composite
	Permit Requirement	459 Avg Mo	734 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		2/week	24-Hr Composite
Facility Sampling Point Comments										

3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: **MIDDLETOWN WATER JT VENTURE LLC**
ADDRESS: **9W 57TH ST STE 4200, NEW YORK NY, 10019**
FACILITY: **MIDDLETOWN STP**
LOCATION: **453 S LAWRENCE ST, MIDDLETOWN PA, 17057-1132**
STAGE: **Effluent Net**

PA0020664	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	**2025**	**04**	**01**	TO	**2025**	**04**	**30**

Reporting Frequency: **Monthly**
DMR Effective From: **04/01/2025**
DMR Effective To: **04/30/2025**
Permit Expires: **02/28/2026**
Permit Application Due: **09/01/2025**
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	44.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	31	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Facility Sampling Point Comments										

3800-FM-BCW0462 12/2016

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COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: **MIDDLETOWN WATER JT VENTURE LLC**
ADDRESS: **9W 57TH ST STE 4200, NEW YORK NY, 10019**
FACILITY: **MIDDLETOWN STP**
LOCATION: **453 S LAWRENCE ST, MIDDLETOWN PA, 17057-1132**
STAGE: **Raw Sewage Influent**

PA0020664	001
PERMIT NUMBER	OUTFALL NUMBER

MONITORING PERIOD							
	YEAR	MO	DAY		YEAR	MO	DAY
FROM	**2025**	**04**	**01**	TO	**2025**	**04**	**30**

Reporting Frequency: **Monthly**
DMR Effective From: **04/01/2025**
DMR Effective To: **04/30/2025**
Permit Expires: **02/28/2026**
Permit Application Due: **09/01/2025**
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	1401	2261	lbs/day	***	158	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	835	1395	lbs/day	***	92	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Facility Sampling Point Comments										

3800-FM-BCW0462 12/2016

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DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
4-25 Effluent Supplemental.xlsx	Daily Effluent Monitoring Form	2025-05-14T15:38:03-04:00	
4-25 Influent.xlsx	Influent and Process Control Form	2025-05-14T15:39:04-04:00	
4-25 Biosolids.xls	Sewage Sludge / Biosolids Production and Disposal Form	2025-05-16T13:54:15-04:00	
Annual_Chesapeake_Bay_Spreadsheet_v2.2.xlsm	Annual Chesapeake Bay Spreadsheet	2025-05-14T15:38:25-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Micah Ammerman	S21860	(717)-216-3213

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	**Micah Ammerman**	TELEPHONE		DATE		
		(717)	**696-8121**	**2025**	**05**	**16**
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0436 3/2012

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

Facility Name: **Middletown STP**
Municipality: **Middletown Borough** County: **Dauphin**
Watershed: **7-C**

Month: **April** Year: **2025**
NPDES Permit No.: **PA0020664**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **February 28, 2026**

	Influent					Process Control				
Day	Flow (MGD)	BOD_5 (mg/l)	BOD_5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	1.014	168.0	1,421	165.0	1,395	5,049.0		25,000.0		
2	0.939					4,830.0		25,000.0		
3	1.077					4,840.0		25,000.0		
4	1.137					4,796.0		25,000.0		
5	1.435							25,000.0		
6	1.688							25,000.0		
7	1.766	82.7	1,218	56.0	825	4,367.0		25,000.0		
8	1.360	73.7	836	52.0	590	4,455.0		25,000.0		
9	1.870					4,630.0		25,000.0		
10	1.231					4,521.0		25,000.0		
11	1.262							25,000.0		
12	1.344							25,000.0		
13	1.169							25,000.0		
14	1.081	148.0	1,334	100.0	902	4,514.0		20,000.0		
15	1.128	127.0	1,195	90.0	847	4,532.0		20,000.0		
16	1.052					4,602.0		20,000.0		
17	1.044					4,349.0		20,000.0		
18	0.953							20,000.0		
19	0.919							20,000.0		
20	0.934							20,000.0		
21	1.008	269.0	2,261	124.0	1,042	4,904.0		20,000.0		
22	1.005	120.0	1,006	60.0	503	4,793.0		20,000.0		
23	0.927					4,686.0		20,000.0		
24	0.928					4,736.0		20,000.0		
25	1.030					4,842.0		20,000.0		
26	1.006							20,000.0		
27	0.952							20,000.0		
28	0.897	275.0	2,057	108.0	808	4,831.0		20,000.0		
29	0.951	161.0	1,277	76.0	603	4,639.0		25,000.0		
30	0.855					4,866.0		25,000.0		
31										
Avg	**1.132**	**158**	**1,401**	**92**	**835**	**4,689**		**22,500**		
Max	**1.87**	**275**	**2,261**	**165**	**1,395**	**5,049**		**25,000**		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate 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 knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Micah Ammerman** License No.: **23501**
Title: **Assistant Project Manager** Date: **5/12/2025**

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

3800-FM-BCW0435 3/2012

SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

Facility Name: **Middletown STP**
Municipality: **Middletown Borough** County: **Dauphin**
Watershed: **7-C**
Laboratories: **M. J. Reider/ Veolia Middletown**

Month: **4** (select number) Year: **2025**
Permit No.: **PA0020664** Outfall: **001**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **February 28, 2026**

Parameter			Flow		pH		Dissolved Oxygen		TRC		NH3-N		CBOD5		Total Phosphorus		TSS		Fecal Coliform	
Stage			1		1		1		1		1		1		1		1		1	
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	CFU/100 ml	
1	Sun	3/30/25																		
	Mon	3/31/25																		
	Tue	4/1/25	1.014		7.7		8.48		0.54		0.63	<	2.0		0.13		1.0		3.0	
	Wed	4/2/25	0.939		7.8		8.78		0.54										3.0	
	Thu	4/3/25	1.077		7.6		8.96		0.24											
	Fri	4/4/25	1.137		7.4		8.26		0.32											
	Sat	4/5/25	1.435		7.5		8.59		0.48											
2	Sun	4/6/25	1.688		7.4		8.76		0.56											
	Mon	4/7/25	1.766		7.3		8.68		0.55		0.33	<	2.0		0.13		3.0			
	Tue	4/8/25	1.36		7.5		9.11		0.25	<	0.02		2.4		0.07	<	1.0		36.0	
	Wed	4/9/25	1.187		7.5		9.56		0.29										30.0	
	Thu	4/10/25	1.231		7.5		8.91		0.26											
	Fri	4/11/25	1.262		7.4		8.71		0.34											
	Sat	4/12/25	1.344		7.5		8.9		0.29											
3	Sun	4/13/25	1.169		7.5		9.2		0.36											
	Mon	4/14/25	1.081		7.5		9.06		0.31		0.03	<	2.0		0.09	<	1.0			
	Tue	4/15/25	1.128		7.5		8.94		0.28	<	0.02	<	2.0		0.09		2.0		3.0	
	Wed	4/16/25	1.052		7.6		8.66		0.25										42.0	
	Thu	4/17/25	1.044		7.5		8.54		0.25											
	Fri	4/18/25	0.953		7.6		9.0		0.26											
	Sat	4/19/25	0.919		7.6		8.78		0.25											
4	Sun	4/20/25	0.934		7.5		8.81		0.26											
	Mon	4/21/25	1.008		7.6		8.65		0.29		0.06	<	2.0		0.13	<	1.0			
	Tue	4/22/25	1.005		7.4		8.69		0.44		0.1	<	2.0		0.15		4.0	<	2.0	
	Wed	4/23/25	0.927		7.6		8.36		0.49									<	2.0	
	Thu	4/24/25	0.928		7.7		8.12		0.55											
	Fri	4/25/25	1.03		7.5		8.02		0.5											
	Sat	4/26/25	1.006		7.5		8.2		0.27											
5	Sun	4/27/25	0.952		7.6		8.45		0.28											
	Mon	4/28/25	0.897		7.6		8.71		0.33		0.07	<	2.0		0.1		2.0			
	Tue	4/29/25	0.951		7.5		8.53		0.45		0.07	<	2.0		0.08	<	1.0	<	2.0	
	Wed	4/30/25	0.855		7.7		7.96		0.48									<	2.0	
	Thu	5/1/25																		
	Fri	5/2/25																		
	Sat	5/3/25																		
Statistics for DMR																				
Daily Minimum (Conc.):					**7.3**		**7.96**		**0.24**	<	**0.02**	<	**2.0**		**0.07**	<	**1.0**	<	**2.0**	
Daily Maximum (Conc):					**7.8**		**9.56**		**0.56**		**0.63**		**2.4**		**0.15**		**4.0**		**42.0**	
Max Avg Weekly (Conc.):							**8.95**		**0.4**		**0.63**	<	**2.0**		**0**	<	**3**			
Avg Monthly (Conc.):							**8.68**		**0.4**	<	**0.15**	<	**2**		**0.11**	<	**2**			
Geometric Mean (Conc.):																		<	**5.0**	
Max Avg Weekly (Load):			**1.405**				**105**		**4**		**5**	<	**28**		**1**	<	**28**			
Avg Monthly (Load):			**1.109**				**80**		**3**	<	**1**	<	**19**		**1**	<	**17**			
Total Monthly (Load):			**33.279**				**2415**		**103**	<	**44**	<	**583**		**31**	<	**522**			
Daily Minimum (Load):			**0.855**				**57**		**2**	<	**0.2**	<	**15**		**0.6**	<	**8**			
Daily Maximum (Load):			**1.766**				**128**		**8**		**5**	<	**29**		**2**		**44**			

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate 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 knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Micah Ammerman License No.: **23501**
Title: Assistant Project Manager Date: **12/5/2025**

Average Weekly Statistics																		
Week 1 (Conc):					8.61		0.4		0.63	<	2.0		0.13		1			
Week 2 (Conc):					8.95		0.4	<	0.18	<	2.2		0.1	<	2			
Week 3 (Conc):					8.88		0.3	<	0.03	<	2.0		0.09	<	2			
Week 4 (Conc):					8.41		0.4		0.08	<	2.0		0.14	<	3.0	<		
Week 5 (Conc):					8.41		0.4		0.07	<	2		0.09	<	2	<		
Week 1 (Load):	1.12				80		4		5	<	17		1		8			
Week 2 (Load):	1.405				105		4	<	3	<	28		1	<	28			
Week 3 (Load):	1.049				78		2	<	0.2	<	18		0.8	<	14			
Week 4 (Load):	0.977				68		3		0.7	<	17		1	<	21	<		
Week 5 (Load):	0.914				64		3		0.5	<	15		0.7	<	11	<		

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Version 2.2, 10/15/2020

CHESAPEAKE BAY SUPPLEMENTAL REPORT
ANNUAL NUTRIENT MONITORING

☑ Continuous Discharge

Facility Name: **Middletown STP**
Municipality: **Middletown Borough** County: **Dauphin**
Watershed: **7-C**
TN Cap Load (lbs): **40,182**
TN Delivery Ratio: **0.837**

◉ Sewage ○ Industrial Waste

Compliance Year: **2025** Outfall: **001**
NPDES Permit No.: **PA0020664**
This permit will expire on: **February 28, 2026**
TP Cap Load (lbs): **5,358**
TP Delivery Ratio: **0.503**

	FLOW	Total Phosporus (TP)				NH_3-N				TKN				NO_2+NO_3 as N				Total Nitrogen (TN)			
Sample Date	MGD	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day
10/1/24	1.496		0.09		1.1	<	0.02	<	0.2		1.51		18.8	<	2.36	<	29.4	<	3.87	<	48.3
10/2/24	1.145		0.11		1.1		1.64		15.7		2.48		23.7		5.61		53.6		8.09		77.3
10/3/24	1.053																				
10/4/24	0.993																				
10/5/24	0.907																				
10/6/24	0.994																				
10/7/24	1.009		0.18		1.5		0.02		0.2		0.82		6.9	<	2.48	<	20.9	<	3.30	<	27.8
10/8/24	0.93		0.13		1.0	<	0.02	<	0.2		0.59		4.6	<	1.52	<	11.8	<	2.11	<	16.4
10/9/24	0.961																				
10/10/24	0.966																				
10/11/24	0.919																				
10/12/24	0.858																				
10/13/24	0.869																				
10/14/24	0.933		0.13		1.0		0.11		0.9		0.89		6.9	<	1.87	<	14.6	<	2.76	<	21.5
10/15/24	0.876		0.09		0.7		0.03		0.2		1.1		8.0	<	1.58	<	11.5	<	2.68	<	19.6
10/16/24	0.907																				
10/17/24	0.92																				
10/18/24	0.851																				
10/19/24	0.814																				
10/20/24	0.863																				
10/21/24	0.857		0.17		1.2		0.82		5.9		1.66		11.9	<	1.1	<	7.9	<	2.76	<	19.7
10/22/24	1.009		0.13		1.1		0.44		3.7		1.2		10.1	<	1.22	<	10.3	<	2.42	<	20.4
10/23/24	0.792																				
10/24/24	0.802																				
10/25/24	0.809																				
10/26/24	0.794																				
10/27/24	0.873																				
10/28/24	0.84		0.01		0.1		0.05		0.4	<	0.5	<	3.5	<	1.1	<	7.7	<	1.60	<	11.2
10/29/24	0.845		0.08		0.6		0.05		0.4		0.51		3.6	<	1.52	<	10.7	<	2.03	<	14.3
10/30/24	0.894																				
10/31/24	0.815																				
11/1/24	0.806																				
11/2/24	0.786																				
11/3/24	0.85																				
11/4/24	0.861		0.08		0.6	<	0.02	<	0.1		0.74		5.3	<	1.64	<	11.8	<	2.38	<	17.1
11/5/24	0.835		0.07		0.5	<	0.02	<	0.1	<	0.5	<	3.5	<	2.72	<	18.9	<	3.22	<	22.4
11/6/24	0.86																				
11/7/24	0.692																				
11/8/24	0.506																				
11/9/24	0.74																				
11/10/24	0.976																				
11/11/24	0.88		0.55		4.0		8.66		63.6		10.1		74.1		2.56		18.8		12.66		92.9
11/12/24	0.764		0.39		2.5		11.2		71.4		12.5		79.6		2.24		14.3		14.74		93.9
11/13/24	0.783																				
11/14/24	0.859																				
11/15/24	0.81																				

11/16/24	0.78																				
11/17/24	0.85																				
11/18/24	1.545																				
11/19/24	0.918		0.26		2.0		0.03		0.2		0.86		6.6		6.16		47.2		7.02		53.7
11/20/24	1.115		0.09		0.8		0.08		0.7		0.74		6.9	<	4.88	<	45.4	<	5.62	<	52.3
11/21/24	0.967																				
11/22/24	1.058																				
11/23/24	0.849																				
11/24/24	0.841																				
11/25/24	0.849		0.1		0.7		0.05		0.4	<	0.5	<	3.5	<	13.4	<	94.9	<	13.90	<	98.4
11/26/24	0.856		0.08		0.6		0.05		0.4	<	0.5	<	3.6	<	13.4	<	95.7	<	13.90	<	99.2
11/27/24	1.059																				
11/28/24	1.221																				
11/29/24	0.844																				
11/30/24	0.846																				
12/1/24	0.908																				
12/2/24	0.952		0.1		0.8		0.02		0.2	<	0.5	<	4.0	<	17.3	<	137.4	<	17.80	<	141.3
12/3/24	0.908		0.09		0.7	<	0.02	<	0.2	<	0.5	<	3.8	<	18.1	<	137.1	<	18.60	<	140.9
12/4/24	0.968																				
12/5/24	0.876																				
12/6/24	0.864																				
12/7/24	0.854																				
12/8/24	0.881																				
12/9/24	1.005		1.83		15.3		17.8		149.2		19.7		165.1	<	1.75	<	14.7	<	21.45	<	179.8
12/10/24	0.972		0.13		1.1		5.65		45.8		7.21		58.4		3.38		27.4		10.59		85.8
12/11/24	2.539																				
12/12/24	1.344																				
12/13/24	1.068																				
12/14/24	1																				
12/15/24	1.106																				
12/16/24	1.23		0.18		1.8	<	0.02	<	0.2		0.88		9.0	<	1.99	<	20.4	<	2.87	<	29.4
12/17/24	1.077		0.13		1.2		0.06		0.5	<	0.5	<	4.5	<	1.97	<	17.7	<	2.47	<	22.2
12/18/24	1.119																				
12/19/24	1.035																				
12/20/24	1.055																				
12/21/24	0.954																				
12/22/24	0.901																				
12/23/24	0.917		0.1		0.8		0.06		0.5		0.58		4.4	<	1.66	<	12.7	<	2.24	<	17.1
12/24/24	0.947																				
12/25/24	0.775		0.09		0.6		0.03		0.2	<	0.5	<	3.2	<	4.57	<	29.5	<	5.07	<	32.8
12/26/24	1.07																				
12/27/24	0.705																				
12/28/24	1.222																				
12/29/24	1.169																				
12/30/24	0.981		0.1		0.8		0.06		0.5	<	0.5	<	4.1	<	2.68	<	21.9	<	3.18	<	26.0
12/31/24	1.029																				
1/1/25	0.873		0.12		0.9		0.03		0.2		0.67		4.9	<	3.68	<	26.8	<	4.35	<	31.7
1/2/25	0.917																				
1/3/25	0.852																				
1/4/25	0.854																				
1/5/25	0.895																				
1/6/25	0.933		0.26		2.0	<	0.02	<	0.2		0.58		4.5	<	5.27	<	41.0	<	5.85	<	45.5
1/7/25	0.906		0.31		2.3		0.05		0.4	<	0.5	<	3.8	<	5.58	<	42.2	<	6.08	<	45.9
1/8/25	0.87																				

1/9/25	0.915																				
1/10/25	0.908																				
1/11/25	0.927																				
1/12/25	0.985																				
1/13/25	0.944		0.58		4.6		0.04		0.3		0.94		7.4	<	4.12	<	32.4	<	5.06	<	39.8
1/14/25	1.051		0.4		3.5		0.02		0.2		0.72		6.3	<	3.69	<	32.3	<	4.41	<	38.7
1/15/25	1.003																				
1/16/25	0.981																				
1/17/25	1.045																				
1/18/25	0.957																				
1/19/25	1.028																				
1/20/25	1.1		0.47		4.3		0.04		0.4		0.87		8.0	<	2.1	<	19.3	<	2.97	<	27.2
1/21/25	1.077		0.42		3.8		0.03		0.3		0.57		5.1	<	2.64	<	23.7	<	3.21	<	28.8
1/22/25	1.039																				
1/23/25	1.045																				
1/24/25	1.008																				
1/25/25	1.015																				
1/26/25	1.08																				
1/27/25	1.09		0.27		2.5		0.04		0.4		1.13		10.3	<	1.72	<	15.6	<	2.85	<	25.9
1/28/25	1.036		0.15		1.3		0.05		0.4		1.0		8.6	<	0.98	<	8.5	<	1.98	<	17.1
1/29/25	1.095																				
1/30/25	1.068																				
1/31/25	1.189																				
2/1/25	1.068																				
2/2/25	1.056																				
2/3/25	1.077		0.37		3.3	<	0.02	<	0.2		0.61		5.5	<	1.84	<	16.5	<	2.45	<	22.0
2/4/25	1.045		0.18		1.6		0.05		0.4		0.58		5.1	<	1.61	<	14.0	<	2.19	<	19.1
2/5/25	1																				
2/6/25	1.446																				
2/7/25	1.041																				
2/8/25	1.122																				
2/9/25	1.34																				
2/10/25	1.097		0.15		1.4		0.03		0.3		0.56		5.1	<	1.55	<	14.2	<	2.11	<	19.3
2/11/25	1.116		0.09		0.8		0.05		0.5		0.51		4.7	<	1.61	<	15.0	<	2.12	<	19.7
2/12/25	1.228																				
2/13/25	1.385																				
2/14/25	1.133																				
2/15/25	1.508																				
2/16/25	2.183																				
2/17/25	1.557		0.21		2.7		0.06		0.8		0.97		12.6	<	1.45	<	18.8	<	2.42	<	31.4
2/18/25	1.331		0.09		1.0		0.11		1.2		0.64		7.1	<	1.67	<	18.5	<	2.31	<	25.6
2/19/25	1.233																				
2/20/25	1.235																				
2/21/25	1.147																				
2/22/25	1.08																				
2/23/25	1.107																				
2/24/25	1.068		0.08		0.7	<	0.02	<	0.2	<	0.5	<	4.5	<	1.6	<	14.3	<	2.10	<	18.7
2/25/25	1.08		0.07		0.6	<	0.02	<	0.2	<	0.5	<	4.5	<	1.6	<	14.4	<	2.10	<	18.9
2/26/25	0.971																				
2/27/25	0.934																				
2/28/25	0.925																				

3/1/25	0.866																				
3/2/25	0.984																				
3/3/25	0.958		0.08		0.6		0.05		0.4	<	0.5	<	4.0	<	1.76	<	14.1	<	2.26	<	18.1
3/4/25	0.866		0.08		0.6		0.07		0.5	<	0.5	<	3.6	<	1.79	<	12.9	<	2.29	<	16.5
3/5/25	1.523																				
3/6/25	1.145																				
3/7/25	1.034																				
3/8/25	0.952																				
3/9/25	0.977																				
3/10/25	0.88		0.08		0.6		0.03		0.2		0.51		3.7	<	1.32	<	9.7	<	1.83	<	13.4
3/11/25	0.842		0.06		0.4		0.02		0.1		0.82		5.8	<	1.29	<	9.1	<	2.11	<	14.8
3/12/25	0.874																				
3/13/25	0.86																				
3/14/25	0.88																				
3/15/25	1.177																				
3/16/25	1.177																				
3/17/25	1.09		0.07		0.6		0.07		0.6		0.89		8.1	<	1.72	<	15.6	<	2.61	<	23.7
3/18/25	0.973		0.08		0.6		0.34		2.8		1.48		12.0	<	3.21	<	26.0	<	4.69	<	38.1
3/19/25	0.901																				
3/20/25	1.021																				
3/21/25	0.995																				
3/22/25	0.906																				
3/23/25	0.97																				
3/24/25	0.981																				
3/25/25	0.881																				
3/26/25	0.971		0.07		0.6		0.05		0.4		0.81		6.6	<	1.76	<	14.3	<	2.57	<	20.8
3/27/25	0.855		0.22		1.6		2.76		19.7		4.4		31.4		5.19		37.0		9.59		68.4
3/28/25	0.98																				
3/29/25	0.804																				
3/30/25	0.894																				
3/31/25	1.114		0.19		1.8		0.39		3.6		1.19		11.1	<	2.0	<	18.6	<	3.19	<	29.6

4/1/25	1.014		0.13		1.1		0.63		5.3		1.34		11.3		1.87		15.8		3.21		27.1
4/2/25	0.939																			
4/3/25	1.077																			
4/4/25	1.137																			
4/5/25	1.435																			
4/6/25	1.688																			
4/7/25	1.766		0.13		1.9		0.33		4.9		0.86		12.7		1.62		23.9		2.48		36.5
4/8/25	1.36		0.07		0.8		0.02		0.2	<	0.5	<	5.7	<	1.73	<	19.6	<	2.23	<	25.3
4/9/25	1.187																			
4/10/25	1.231																			
4/11/25	1.262																			
4/12/25	1.344																			
4/13/25	1.169																			
4/14/25	1.081		0.09		0.8		0.03		0.3	<	0.5	<	4.5	<	1.58	<	14.2	<	2.08	<	18.8
4/15/25	1.28		0.09		1.0		0.02		0.2		0.7		7.5	<	1.54	<	16.4	<	2.24	<	23.9
4/16/25	1.052																			
4/17/25	1.044																			
4/18/25	0.953																			
4/19/25	0.919																			
4/20/25	0.934																			
4/21/25	1.008		0.13		1.1		0.06		0.5	<	0.5	<	4.2	<	1.37	<	11.5	<	1.87	<	15.7
4/22/25	1.005		0.15		1.3		0.1		0.8		0.87		7.3		2.03		17.0		2.90		24.3
4/23/25	0.927																			
4/24/25	0.928																			
4/25/25	1.03																			
4/26/25	1.006																			
4/27/25	0.952																			
4/28/25	0.897		0.1		0.7		0.07		0.5		0.71		5.3	<	1.27	<	9.5	<	1.98	<	14.8
4/29/25	0.951		0.08		0.6		0.07		0.6		0.71		5.6	<	2.07	<	16.4	<	2.78	<	22.0
4/30/25	0.855																			
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Avg	**1.017**		**0.19**		**1.6**	**<**	**0.85**	**<**	**6.6**	**<**	**1.58**	**<**	**12.8**	**<**	**3.2**	**<**	**26**	**<**	**4.79**	**<**	**38.9**
Annual Total Mass Loads (lbs):					**577**			**<**	**2412**			**<**	**4686**			**<**	**9497**			**<**	**14183**

P Credits Generated: **861** **N Credits Generated:** **3325**

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate 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 knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Micah Ammerman** License No.: **23501**
Title: **Assistant Project Manager** Date: **5/14/2025**

Monthly Statistics

Monthly Total Mass Loads (lbs)

Month	Total Phosphorus (TP)	NH_3-N	TKN	NO_2+NO_3 as N	Total Nitrogen (TN)
October	28.9	< 85.5	< 303.9	< 552.8	< 856.6
November	43.8	< 513.3	< 686.8	< 1300.7	< 1987.5
December	79.4	< 679.2	< 883.8	< 1442.4	< 2326.2

January	86.6	< 9.2	< 202.9	< 833	< 1035.8
February	42.6	< 13	< 171.7	< 440.1	< 611.9
March	25.5	97.7	< 296.9	< 541.7	< 838.6
April	31	44.4	< 213.6	< 481.4	< 695.1
May					
June					
July					
August					
September					

Average Monthly Concentrations (mg/L)

Month	Total Phosphorus (TP)	NH_3-N	TKN	NO_2+NO_3 as N	Total Nitrogen (TN)
October	0.11	< 0.32	< 1.13	< 2.04	< 3.16
November	0.2	< 2.51	< 3.31	< 5.88	< 9.18
December	0.31	< 2.64	< 3.43	< 5.93	< 9.36
January	0.33	< 0.04	< 0.78	< 3.31	< 4.08
February	0.16	< 0.05	< 0.61	< 1.62	< 2.23
March	0.1	0.42	< 1.23	< 2.23	< 3.46
April	0.11	0.15	< 0.74	< 1.68	< 2.42
May					
June					
July					
August					
September					

3800-FM-BCW0438 3/2012

pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Facility Name: **Middletown STP**
Municipality: **Middletown Borough** County: **Dauphin**
Watershed: **7-C**

Month: **April** Year: **2025**
NPDES Permit No.: **PA0020664**
Renewal application due **180 days** prior to expiration
This permit will expire on: **February 28, 2026**

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month

Date	Liquid Sewage Sludge/Biosolids Hauled Off-site			Dewatered Sewage Sludge/Biosolids Hauled Off-site			Sewage Sludge/Biosolids Dewatered and Incinerated On-site		
	Gallons	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
4/3/25				8.41	34.70	**2.92**			
4/9/25				7.26	31.00	**2.25**			
4/9/25				4.94	32.70	**1.62**			
4/14/25				1.47	45.00	**0.66**			
4/17/25				2.31	30.90	**0.71**			
4/22/25				6.70	25.20	**1.69**			
4/23/25				2.65	23.50	**0.62**			
4/24/25				4.69	33.10	**1.55**			
4/25/25				2.80	42.90	**1.20**			
4/29/25				6.42	31.40	**2.02**			
4/30/25				4.65	31.80	**1.48**			
	TOTAL:				**TOTAL:**	**16.719**		**TOTAL:**	

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

Site Name	**Marvin Weaver Cedar Rd Farm**			
Municipality	Conewago Township			
County	Dauphin			
DEP Permit No.	PAG07-3504			
Type of Material*	Biosolids			
Dry Tons Applied/Disposed	16.71			
Type of Disposal/Use*	Agricultural Utilization			
Hauler Name	BORO. MIDDLETOWN			

* See Instructions for explanation.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate 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 knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: **Micah Ammerman** License No.: **23501**
Title: **Assistant Project Manager** Date: **May 16, 2025**

VEOLIA Middletown WWTP

Daily Effluent Grab Monitoring / Weather

April 2025

Date	Operator Initials	Effluent Grab Sample Time		pH		RPD	Dissolved Oxygen (mg/L)		RPD	Total Residual Chlorine (mg/L)		RPD	Temp.	Influent COD	Comments
		Start	Finish	#1	#2	%	#1	#2	%	#1	#2	%	C	mg/L	
01	MB	0911	0911	7.70	7.60	1.31	8.48	8.55	-0.82	0.54	.58	-7.14	17.6	641.00	
02	MB	0859	0859	7.80	7.60	2.60	8.78	8.75	0.34	0.54	.51	5.71	16.5	562.00	
03	MB	1101	1101	7.60	7.60	0.00	8.96	9.09	-1.44	0.24	.21	13.33	16.7	639.00	
04	MB	1014	1014	7.40	7.50	-1.34	8.26	8.27	-0.12	0.32	.28	13.33	17.8	395.00	
05	CK	1125	1125	7.50	7.50	0.00	8.59	8.47	1.41	0.48	.39	20.69	18.5		
06	MB	1105	1105	7.40	7.40	0.00	8.76	8.79	-0.34	0.56	.59	-5.22	16.6		
07	MB	0846	0846	7.30	7.74	-5.85	8.68	8.54	1.63	0.55	.47	15.69	15.8	398.00	
08	MB	0942	0942	7.50	7.50	0.00	9.11	9.02	0.99	0.25	.33	-27.59	15.5	266.00	
09	MB	1014	1014	7.50	7.60	-1.32	9.56	9.48	0.84	0.29	.28	3.51	15.2	407.00	
10	MB	0911	0911	7.50	7.60	-1.32	8.91	8.86	0.56	0.26	.26	.00	15.4	393.00	
11	CK	0830	0830	7.40	7.50	-1.34	8.71	8.88	-1.93	0.34	.32	6.06	17.5	219.00	
12	CH	0654	0654	7.50	7.50	0.00	8.90	8.90	0.00	0.29	.24	18.87	15.6		
13	CH	0705	0705	7.50	7.50	0.00	9.20	9.10	1.09	0.36	.42	-15.38	15.7		
14	MB	1108	1108	7.50	7.50	0.00	9.06	9.09	-0.33	0.31	.31	.00	16.9	387.00	
15	MB	1023	1023	7.50	7.50	0.00	8.94	8.99	-0.56	0.28	.26	7.41	17.6	375.00	
16	MB	1008	1008	7.60	7.60	0.00	8.66	8.75	-1.03	0.25	.24	4.08	16.4		
17	MB	1113	1113	7.50	7.60	-1.32	8.54	8.75	-2.43	0.25	.24	4.08	17.3	474.00	
18	CH	0644	0644	7.60	7.70	-1.31	9.00	8.90	1.12	0.26	.32	-20.69	16.8		
19	MB	1548	1548	7.60	7.60	0.00	8.78	8.88	-1.13	0.25	.25	.00	18.8		
20	CK	1120	1120	7.50	7.50	0.00	8.81	8.88	-0.79	0.26	.29	-10.91	19.5		
21	MB	1147	1147	7.60	7.60	0.00	8.65	8.66	-0.12	0.29	.28	3.51	18.1	614.00	
22	MB	1132	1132	7.40	7.50	-1.34	8.69	8.34	4.11	0.44	.43	2.30	19.4	642.00	
23	MB	1007	1007	7.60	7.60	0.00	8.36	8.44	-0.95	0.49	.49	.00	18.7	532.00	
24	MB	0828	0828	7.70	7.50	2.63	8.12	8.07	0.62	0.55	.51	7.55	19.8	685.00	
25	MB	1211	1211	7.50	7.50	0.00	8.02	8.34	-3.91	0.50	.48	4.08	19.2	527.00	
26	CH	0638	0638	7.50	7.50	0.00	8.20	8.40	-2.41	0.27	.23	16.00	18.9		
27	MB	1047	1047	7.60	7.70	-1.31	8.45	8.44	0.12	0.28	.30	-6.90	18.1		
28	MB	0749	0749	7.60	7.60	0.00	8.71	8.63	0.92	0.33	.33	.00	18.1	592.00	
29	TH	0910	0910	7.50	7.50	0.00	8.53	8.60	-0.82	0.45	.45	.00	19.0	730.00	
30	MB	0811	0811	7.70	7.60	1.31	7.96	8.06	-1.25	0.48	.48	.00	19.5	532.00	

VEOLIA Middletown WWTP

Process Control

April 2025

DAY	DITCH				RAS	WASTE			RR	F/M	SETTLING TEST			BLANKETS	
	TS		VS		TS	Gallons	Lbs	SRT			MINUTES		SVI	C1	C2
	mg/L	lbs	mg/L	%	mg/L			Days			5	30		AM	AM
01	5,049	61,474	3,085	61.1	8,934	25,000	1,863	20.17	13.40		850	470	93		
02	4,830	58,811	3,019	62.5	9,139	25,000	1,905	19.29	11.77		870	490	101		
03	4,840	58,939	2,865	59.2	9,668	25,000	2,016	17.30	15.71		850	480	99		
04	4,796	58,403	3,026	63.1	11,186	25,000	2,332	15.98	11.29		880	470	98		
05						25,000									
06						25,000									
07	4,347	52,930	2,757	63.4	13,300	25,000	2,773	12.10	6.12		800	410	94		
08	4,455	54,246	2,901	65.1	11,248	25,000	2,345	15.06	8.50		880	480	108		
09	4,630	56,378	2,977	64.3	10,400	25,000	2,168	16.72	6.43		900	500	108		
10	4,521	55,047	2,813	62.2	7,444	25,000	1,552	22.07	4.93		860	470	104		
11						25,000									
12						25,000									
13						25,000									
14	4,514	54,970	2,856	63.3	8,119	20,000	1,354	25.68	15.21		870	480	106		20
15	4,532	55,178	2,845	62.8	10,693	20,000	1,784	19.43	6.37		900	500	110		24
16	4,602	56,030	2,741	59.6	9,635	20,000	1,607	20.77	7.35		890	480	104		15
17	4,349	52,952	2,485	57.1	9,406	20,000	1,569	19.28	15.36		850	530	122		24
18						20,000									
19						20,000									
20						20,000									
21	4,904	59,716	3,112	63.5	9,839	20,000	1,641	23.09	14.86		910	550	112		
22	4,793	58,363	2,935	61.2	10,013	20,000	1,670	21.39	11.00		870	490	102		
23	4,686	57,063	2,876	61.4	9,165	20,000	1,529	22.91	7.41		900	510	109		
24	4,736	57,670	2,558	54.0	9,902	20,000	1,652	18.86	13.49		940	570	120		
25	4,842	58,954	2,905	60.0	10,224	20,000	1,705	20.74	7.19		900	520	107		
26						20,000									
27						20,000									
28	4,831	58,829	3,057	63.3	8,887	20,000	1,482	25.11	8.42		940	380	79		24
29	4,639	56,481	2,835	61.1	8,332	25,000	1,737	19.87	5.82		910	550	119		15
30	4,866	59,247	3,244	66.7	8,778	25,000	1,830	21.58	8.31		870	510	105		24
AVG	4,688	57,084	2,895	61.7	9,716	22,500	1,826	19.9	9.95		882	492	105		21

PA MIDDLETOWN WWTP

THICKENER MONTHLY REPORT

April 2025

DATE	RUN	FEED SLUDGE			DISCHARGE SLUDGE			POLYMER
	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01	5.00	42,342	0.93	3,284	5,049	5.83	2,455	4
02								
03	4.75	47,911	0.89	3,556	10,098	3.76	3,167	4
04	6.00	56,508	0.80	3,770	8,415	4.83	3,390	4
05								
06								
07								
08	5.50	71,977	0.74	4,442	13,464	3.64	4,087	5
09								
10	5.25	66,252	0.76	4,199	15,147	2.84	3,588	6
11								
12								
13								
14								
15	6.75	72,866	1.01	6,138	18,513	3.76	5,805	6
16								
17	4.25	51,855	1.01	4,368	10,098	4.04	3,402	5
18								
19								
20								
21								
22	7.00	89,699	1.02	7,631	13,464	6.91	7,759	10
23								
24								
25	6.75	80,696	1.04	6,999	11,781	3.86	3,793	8
26								
27								
28								
29	7.00	81,992	1.04	7,112	15,147	4.43	5,596	8
30								
TOTAL	58	662,098	9.24	51,499	121,176	43.90	43,042	60

REVISED 7/17/14

Veolia Middletown WWTP

April 2025

ATAD TIME and TEMPERATURE

Date	Operator	Thickener					ATAD Level			ATAD Feed			ATAD				ATAD to SNDR			
		End of feed		Disch. (ATAD Feed)			After						End of feed		Minimum			Start		
		Temp.	Feed	TS	VS	VS	Start	Trans.	Feed	Gallons	TS	VS	Avg Temp. Since	Time	Till Transfer		Date	Time	Temp.	Gallons
		° F	Gals.	mg/L	mg/L	%	Ft	Ft	Ft		Lbs.	Lbs.	°F	24 HR	Hours	Date/Time			° F	
04/01/25	MB	130.9	42,342	58,288	42,714	73.3	8.8	9.1	9.1	5,049	2,454	1,799	128.5	12:45	37.5	4/3/25 2:16				
04/02/25							9.1	8.7	8.7								4/2/2025	18:00	128.6	21,474
04/03/25	CK/MB	124.0	47,911	37,565	26,896	71.6	8.7	9.3	9.3	10,098	3,164	2,265	128.3	12:15	38.9	4/5/25 3:08				
04/04/25	CK/MB	124.8	56,508	48,342	35,239	72.9	9.3	9.8	9.8	8,415	3,393	2,473	128.3	13:30	38.9	4/6/25 4:23				
04/05/25																				
04/06/25																				
04/07/25							9.8	9.0	9.0								4/7/25	14:40	132.9	15,495
04/08/25	MB	128.5	71,977	36,388	26,381	72.5	9.0	9.8	9.8	13,464	4,086	2,962	133.0	13:00	16.8	4/9/25 5:45				
04/09/25							9.8	8.9	8.9								4/9/25	17:01	132.9	13,782
04/10/25	CK	128.2	66,252	28,391	20,515	72.3	8.9	9.8	9.8	15,147	3,587	2,592	130.8	12:45	24.9	4/11/25 13:36				
04/11/25																				
04/12/25																				
04/13/25																				
04/14/25																				
04/15/25	CK	126.9	72,866	37,562	27,213	72.4	9.7	10.8	10.8	18,513	5,800	4,202	130.8	14:30	24.9	4/16/25 15:21				
04/16/25																				
04/17/25	CK	128.5	51,855	40,402	26,116	64.6	9.8	10.4	10.4	10,098	3,403	2,199	134.9	14:15	11.9	4/18/25 2:09	4/17/25	7:09	132.3	16,299
04/18/25																				
04/19/25																				
04/20/25																				
04/21/25							10.4	9.3	9.3								4/21/25	18:07	134.9	13,461
04/22/25	MB	131.4	89,699	69,080	49,761	72.0	9.3	10.1	10.1	13,464	7,757	5,588	135.9	14:15	10.0	4/23/25 0:13				
04/23/25																				
04/24/25							10.1	8.8	8.8								4/24/25	16:30	135.9	18,910
04/25/25	CK	131.8	80,696	38,551	27,664	71.8	8.8	9.5	9.5	11,781	3,788	2,718	134.1	14:00	13.8	4/26/25 3:45				
04/26/25																				
04/27/25																				
04/28/25							9.5	8.4	8.4								4/28/25	13:57	135.0	16,961
04/29/25	CK	129.4	81,992	44,309	31,777	71.7	8.4	9.3	9.3	15,147	5,597	4,014	132.6	14:15	18.0	4/30/25 8:15				
04/30/25																				

Veolia Middletown WWTP

April 2025

ATAD transfer to SNDR SRT							Centrifuge Data						
		ATAD							SNDR				
												Discharge	
Date	Operator	Total Solids	Transfer Gallons	ATAD Tank	Waste ATAD to SNDR	SRT	Operator	Centifuge Feed Gallons	TS	VS	VS	TS	VS
		mg/L	Gallons	Pounds	Pounds	Days			mg/L	mg/L	%	Lbs.	Lbs.
04/01/25													
04/02/25	MA	33,574	25,398	42,884	7,112	6.03							
04/03/25							CK	22,907	30,503	14,947	49.0	5827	2856
04/04/25							CK	17,558	30,694	15,453	50.3	4495	2263
04/05/25													
04/06/25													
04/07/25	CK	29,532	15,495	40,623	3,816	10.64							
04/08/25													
04/09/25	MA	29,614	13,782	40,736	3,404	11.97	CK	13,098	29,614	14,635	49.4	3235	1599
04/10/25													
04/11/25													
04/12/25													
04/13/25													
04/14/25													
04/15/25							CK	5,435	29,219	14,662	50.2	1324	665
04/16/25							CK	5,816	29,395	14,794	50.3	1426	718
04/17/25	CK	26,778	16,299	36,834	3,640	10.12							
04/18/25													
04/19/25													
04/20/25													
04/21/25	MA	27,393	13,461	39,987	3,075	13.00	CK	13,502	29,989	15,769	52.6	3377	1776
04/22/25							CK	5,190	28,828	14,518	50.4	1248	628
04/23/25							CK	13,065	28,536	14,064	49.3	3109	1532
04/24/25	MA	25,230	18,910	35,768	3,979	8.99	CK	10,452	27,632	136,711	494.8	2409	11917
04/25/25													
04/26/25													
04/27/25													
04/28/25	CK	27,360	16,961	36,483	3,870	9.43	CK	17,514	27,647	13,931	50.4	4038	2035
04/29/25							CK	12,718	27,941	14,120	50.5	2964	1498
04/30/25							CK	15,102	26,922	13,563	50.4	3391	1708

VEOLIA Middletown WWTP

Centrifuge Monthly Report

April 2025

Date	Run Time	Feed Sludge		Centrifuge Cake			Lime		Polymer	Alum	SNDR		Copper
	Hours	Gallons	% Solids	Pounds Dry Solids	Dry Tons	% Solids	Pounds Used	Pounds/ Ton	Total Gallons	Total Gallons	pH	Level	Conc. mg/l
01													
02													
03	4.25	22,907	3.05	5,827	2.91	34.7	714	245	12	86	7.3	11.0	
04	6.25	17,558	3.07	4,496	2.25	31.0	1,050	467	23	130	7.1	10.0	
05													
06													
07													
08													
09	6.50	13,098	2.96	3,233	1.62	32.7	1,092	676	23	104	1.2	10.0	
10													
11													
12													
13													
14													
15	5.25	5,435	2.92	1,324	0.66	45.0	882	1,332	2	30	1.3	10.0	
16	6.00	5,816	2.91	1,426	0.71	30.9	1,008	1,414	17	34	1.3	10.0	
17													
18													
19													
20													
21	4.75	13,502	2.94	3,378	1.69	25.2	798	472	11	63	1.4	11.0	
22	5.75	5,190	3.00	1,247	0.62	23.5	966	1,549	6	37	1.4	11.0	
23	5.50	13,065	2.88	3,105	1.55	33.1	924	595	12	97	1.4	10.0	
24	4.00	10,452	2.85	2,406	1.20	42.9	672	559	9	82	1.4	9.0	
25													
26													
27													
28	6.75	17,514	2.76	4,031	2.02	31.4	1,134	563	15	130	4.6	10.0	
29	4.75	12,718	2.76	2,959	1.48	31.8	798	539	12	100	4.7	10.0	
30	5.50	15,102	2.69	3,388	1.69	23.7	924	545	19	108	4.6	10.0	

REVISED 7/17/14

PA MIDDLETOWN WWTP

April, 2025 **BIOSOLIDS INVENTORY**

DATE	DRY TONS		TO	USE	TOTAL ON SITE
	PROCESSED	DELIVERED			
04/01/25					
04/02/25					
04/03/25	2.91				2.91
04/04/25		2.91	Amerigreen	Agriculture	0.00
04/05/25					
04/06/25					
04/07/25					
04/08/25					
04/09/25	3.87	3.87	Amerigreen	Agriculture	0.00
04/10/25					
04/11/25					
04/12/25					
04/13/25					
04/14/25			Amerigreen	Agriculture	0.00
04/15/25	0.66				0.66
04/16/25	0.71				1.37
04/17/25		1.37	Amerigreen	Agriculture	0.00
04/18/25					
04/19/25					
04/20/25					
04/21/25	1.69				1.69
04/22/25	0.62	1.69	Amerigreen	Agriculture	0.62
04/23/25	1.55	0.62	Amerigreen	Agriculture	1.55
04/24/25	1.20	1.55	Amerigreen	Agriculture	1.20
04/25/25		1.20	Amerigreen	Agriculture	0.00
04/26/25					
04/27/25					
04/28/25	2.02				2.02
04/29/25	1.48	2.02	Amerigreen	Agriculture	1.48
04/30/25	1.69	1.48	Amerigreen	Agriculture	1.69
Total Tons	18.40	16.71		Total Tons	15.19
Metric Tons	16.69	15.16		Metric Tons	13.78

2025

PA MIDDLETOWN WWTP

BIOSOLIDS INVENTORY

DATE	Dry Tons (US Short Tons)		Dry Tons (Meteric Tons)	
	PROCESSED	DELIVERED	PROCESSED	DELIVERED
Jan, 2025	10.36	13.91	9.40	12.62
Feb, 2025	6.71	7.51	6.09	6.81
Mar, 2025	10.49	12.21	9.52	11.08
Apr, 2025	18.40	16.71	16.69	15.16
May, 2025				
Jun, 2025				
Jul, 2025				
Aug, 2025				
Sep, 2025				
Oct, 2025				
Nov, 2025				
Dec, 2025				
Total	45.96	50.34	41.69	45.67
Average	11.49	12.59	10.43	11.42
Maximum	18.40	16.71	16.69	15.16
Minimum	6.71	7.51	6.09	6.81

PA MIDDLETOWN WWTP

BIOSOLIDS VOLATILE REDUCTION

MONTH April YEAR 2025

DAY	THICKENER DISCHARGE			SNDR			%
	TS	TVS	VS	TS	TVS	VS	VOL.
	mg/L		%	mg/L		%	REDUCT.
01							
02							
03							
04							
05							
06							
07							
08	40,000	29,440	73.6	29,100	15,000	51.5	49.0
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22	64,000	46,464	72.6	27,800	14,300	51.4	69.2
23							
24							
25							
26							
27							
28							
29							
30							
AVG	52,000	37,952	73.1	28,450	14,650	51.5	
% SOLIDS REDUCTION			45.3			61.4	%

REVISED 7/17/14

Veolia Middletown WWTP

Biosolids Volatile Reduction
M.J. Reider Results
2025

Date	Thickener Discharge			SNDR			Volatile Reduction
	TS	TVS	VS	TS	TVS	VS	
	mg/L		%	mg/L		%	%
01/08/24	42,000	32,718	77.9	27,200	15,300	56.0	53.2
01/29/24	49,000	38,269	78.1	27,400	15,700	57.0	59.0
02/04/25	78,000	58,032	74.4	31,300	16,900	54.0	70.9
02/11/25	68,000	50,660	74.5	31,900	17,400	54.5	65.7
03/05/25	71,000	53,889	75.9	31,200	16,600	53.2	69.2
03/26/25	53,000	39,856	75.2	30,600	15,900	52.0	60.1
04/08/25	40,000	29,440	73.6	29,100	15,000	51.5	49.0
04/22/25	64,000	46,464	72.6	27,800	14,300	51.4	69.2
AVG	58,125	43,666	75.1	29,563	15,888	53.7	
Avg. % TS Reduction		49.1	Avg. Mass Balance % VS Reduction				63.6

PA MIDDLETOWN WWTP
2025 Annual Performance

	Flow Data						BOD / CBOD						Phosphorus, Total		Fecal Colif.
	Total MG	Average MG	Maximum		Minimum		Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Remove	% Removal	Eff mg/L	Eff Lbs	cfu/100mL
Jan '25	30.687	0.990	01/31/25	1.189	01/03/25	0.852	142	2	36,217	512	35,705	98.4	0.33	85	190
Feb '25	33.514	1.197	2/16/2025	2.183	2/28/2025	0.925	138	2	38,555	559	37,996	98.4	0.16	43	76
Mar '25	30.332	0.978	03/05/25	1.523	3/29/2025	0.804	145	2	36,618	506	36,112	98.5	0.13	26	66
Apr '25	33,278.000	1.109	4/7/2025	1.766	4/30/2025	0.855	158	2	43,925	567	43,358	98.4	0.11	30	42
May '25															
Jun '25															
Jul '25															
Aug '25															
Sep '25															
Oct '25															
Nov '25															
Dec '25															
Total	**33,372.533**								**155,315**	**2,144**	**153,171**			**184**	
Average	8,343.133	1.068		1.665		0.859	146	2.0	38,829	536	38,293	98.4	0.18	46	
Maximum	33,278.000	1.250		2.183		0.925	158	2.0	43,925	567	43,358	98.5	0.33	85	
Minimum	16.254	0.978		1.189		0.804	138	2.0	36,217	506	35,705	98.4	0.11	26	

	TSS						Ammonia		TKN		Nitrate+Nitrit				Fecal Colif.
	Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Geo. Mean
Jan '25	133	2	33,954	398	33,556	98.3	0.04	9	0.8	198	3.38	865	4.15	1,063	51
Feb '25	86	2	24,038	594	23,444	97.6	0.05	13	0.6	170	1.62	452	2.23	622	<15
Mar '25	89	1	22,570	337	22,233	98.5	0.42	106	1.2	312	2.22	562	3.46	874	<7
Apr '25	92	2	25,626	493	25,133	97.6	0.15	41	0.7	206	168.00	465	2.42	671	<5
May '25															
Jun '25															
Jul '25															
Aug '25															
Sep '25															
Oct '25															
Nov '25															
Dec '25															
Total			**106,188**	**1,822**	**104,366**			**169**	**3**	**886**		**2,344**		**3,230**	
Average	99.9	1.8	26,547	456	26,091	98.0	0.16	42	1	221	43.80	586	3.07	808	
Maximum	132.7	2.1	33,954	594	33,556	98.5	0.42	106	1	312	168.00	865	4.15	1,063	
Minimum	86.0	1.3	22,570	337	22,233	97.6	0.04	9	1	170	1.62	452	2.23	622	

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2512603
Report: 04/08/25
Lab Contact: Jade S Eversole

Attention: Micah Ammerman
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2512603-01 **Collected By:** Client **Sampled:** 04/01/25 10:21 **Received:** 04/01/25 13:10
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	152	mg/L	13.3	SM 5210 B	04/02/25 9:52		INW
Solids, Total Suspended	140	mg/L	1	SM 2540 D	04/02/25		ALD

Lab ID: 2512603-02 **Collected By:** Client **Sampled:** 04/01/25 09:11 **Received:** 04/01/25 13:10
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.39	mg/L	0.02	EPA 350.1 Rev 2.0	04/02/25		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	04/02/25 10:34		LEH
Nitrate as N	1.66	mg/L	1.00	EPA 300.0 Rev 2.1	04/01/25 16:49		NJG
Nitrite as N	0.30	mg/L	0.10	EPA 300.0 Rev 2.1	04/01/25 16:49		NJG
Nitrate+Nitrite as N	1.96	mg/L	1.10	CALCULATED	04/01/25 16:49		NJG
Nitrogen, Total	3.15	mg/L	1.60	CALCULATED	04/04/25 11:21		SNF
Nitrogen, Total Kjeldahl (TKN)	1.19	mg/L	0.50	EPA 351.2 Rev 2.0	04/04/25		SNF
Phosphorus as P, Total	0.19	mg/L	0.01	SM 4500-P F	04/02/25		SNF
Solids, Total Suspended	3	mg/L	1	SM 2540 D	04/02/25		ALD

Lab ID: 2512603-03 **Collected By:** Client **Sampled:** 04/01/25 10:37 **Received:** 04/01/25 13:10
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	3	CFU/100mL	2	SM 9222 D	4/1/25 14:30	4/2/25 13:13		MAC

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2512603-02					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D0134	04/02/2025		SNF

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2513099
Report: 04/09/25
Lab Contact: Jade S Eversole

Attention: Micah Ammerman
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2513099-01 **Collected By:** Client **Sampled:** 04/02/25 10:28 **Received:** 04/02/25 14:10
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	168	mg/L	13.3	SM 5210 B	04/03/25 9:35		INW
Solids, Total Suspended	165	mg/L	1	SM 2540 D	04/03/25		ALD

Lab ID: 2513099-02 **Collected By:** Client **Sampled:** 04/02/25 08:59 **Received:** 04/02/25 14:10
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.63	mg/L	0.02	EPA 350.1 Rev 2.0	04/03/25		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	04/03/25 10:47		INW
Nitrate as N	1.48	mg/L	1.00	EPA 300.0 Rev 2.1	04/02/25 20:18		NJG
Nitrite as N	0.39	mg/L	0.10	EPA 300.0 Rev 2.1	04/02/25 20:18		NJG
Nitrate+Nitrite as N	1.87	mg/L	1.10	CALCULATED	04/02/25 20:18		NJG
Nitrogen, Total	3.21	mg/L	1.60	CALCULATED	04/04/25 13:55		SNF
Nitrogen, Total Kjeldahl (TKN)	1.34	mg/L	0.50	EPA 351.2 Rev 2.0	04/04/25		SNF
Phosphorus as P, Total	0.13	mg/L	0.01	SM 4500-P F	04/03/25		SNF
Solids, Total Suspended	1	mg/L	1	SM 2540 D	04/04/25		ENM

Lab ID: 2513099-03 **Collected By:** Client **Sampled:** 04/02/25 12:04 **Received:** 04/02/25 14:10
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	3	CFU/100mL	2	SM 9222 D	4/2/25 14:48	4/3/25 13:38		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2513099-02					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D0232	04/03/2025		SNF

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2513261
Report: 04/15/25
Lab Contact: Jade S Eversole

Attention: Micah Ammerman
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2513261-01 **Collected By:** Client **Sampled:** 04/08/25 09:31 **Received:** 04/08/25 13:42
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	82.7	mg/L	13.3	SM 5210 B	04/09/25 11:12		LEH
Solids, Total Suspended	56	mg/L	1	SM 2540 D	04/09/25		ALD

Lab ID: 2513261-02 **Collected By:** Client **Sampled:** 04/08/25 09:42 **Received:** 04/08/25 13:42
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.33	mg/L	0.02	EPA 350.1 Rev 2.0	04/09/25		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	04/09/25 10:32		LEH
Nitrate as N	1.45	mg/L	1.00	EPA 300.0 Rev 2.1	04/08/25 17:08		NJG
Nitrite as N	0.17	mg/L	0.10	EPA 300.0 Rev 2.1	04/08/25 17:08		NJG
Nitrate+Nitrite as N	1.62	mg/L	1.10	CALCULATED	04/08/25 17:08		NJG
Nitrogen, Total	2.48	mg/L	1.60	CALCULATED	04/11/25 9:19		JMW
Nitrogen, Total Kjeldahl (TKN)	0.86	mg/L	0.50	EPA 351.2 Rev 2.0	04/11/25		JMW
Phosphorus as P, Total	0.13	mg/L	0.01	SM 4500-P F	04/09/25		SNF
Solids, Total Suspended	3	mg/L	1	SM 2540 D	04/09/25		ALD

Lab ID: 2513261-03 **Collected By:** Client **Sampled:** 04/08/25 11:16 **Received:** 04/08/25 13:42
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	36	CFU/100mL	2	SM 9222 D	4/8/25 15:25	4/9/25 13:44		MAC

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2513261-02					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D0657	04/09/2025		SNF

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2514079
Report: 04/16/25
Lab Contact: Jade S Eversole

Attention: Micah Ammerman
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2514079-01 **Collected By:** Client **Sampled:** 04/09/25 09:47 **Received:** 04/09/25 14:12
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	73.7	mg/L	13.3	SM 5210 B	04/10/25 11:18		SXS
Solids, Total Suspended	52	mg/L	1	SM 2540 D	04/10/25		ENM

Lab ID: 2514079-02 **Collected By:** Client **Sampled:** 04/09/25 10:14 **Received:** 04/09/25 14:12
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/L	0.02	EPA 350.1 Rev 2.0	04/10/25		SNF
Carbonaceous Biochemical Oxygen Demand	2.4	mg/L	2.0	SM 5210 B	04/10/25 13:13		SXS
Nitrate as N	1.63	mg/L	1.00	EPA 300.0 Rev 2.1	04/09/25 18:09		NJG
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	04/09/25 18:09		NJG
Nitrate+Nitrite as N	<1.73	mg/L	1.10	CALCULATED	04/09/25 18:09		NJG
Nitrogen, Total	<2.23	mg/L	1.60	CALCULATED	04/15/25 15:40		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/L	0.50	EPA 351.2 Rev 2.0	04/15/25		SNF
Phosphorus as P, Total	0.07	mg/L	0.01	SM 4500-P F	04/10/25		SNF
Solids, Total Suspended	<1	mg/L	1	SM 2540 D	04/10/25		ALD

Lab ID: 2514079-03 **Collected By:** Client **Sampled:** 04/09/25 11:18 **Received:** 04/09/25 14:12
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	30	CFU/100mL	2	SM 9222 D	4/9/25 14:52	4/10/25 13:18		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2514079-02					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D0771	04/10/2025		SNF

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2514368
Report: 04/22/25
Lab Contact: Jade S Eversole

Attention: Micah Ammerman
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2514368-01 **Collected By:** Client **Sampled:** 04/15/25 10:11 **Received:** 04/15/25 13:58
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	148	mg/L	13.3	SM 5210 B	04/16/25 14:54	B-04	LEH
Solids, Total Suspended	100	mg/L	1	SM 2540 D	04/16/25		ALD

Lab ID: 2514368-02 **Collected By:** Client **Sampled:** 04/15/25 10:23 **Received:** 04/15/25 13:58
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.03	mg/L	0.02	EPA 350.1 Rev 2.0	04/17/25	MS2	SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	04/16/25 9:44		INW
Nitrate as N	1.48	mg/L	1.00	EPA 300.0 Rev 2.1	04/15/25 19:49		NJG
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	04/15/25 19:49		NJG
Nitrate+Nitrite as N	<1.58	mg/L	1.10	CALCULATED	04/15/25 19:49		NJG
Nitrogen, Total	<2.08	mg/L	1.60	CALCULATED	04/18/25 8:58		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/L	0.50	EPA 351.2 Rev 2.0	04/18/25		SNF
Phosphorus as P, Total	0.09	mg/L	0.01	SM 4500-P F	04/17/25		SNF
Solids, Total Suspended	<1	mg/L	1	SM 2540 D	04/16/25		ALD

Lab ID: 2514368-03 **Collected By:** Client **Sampled:** 04/15/25 10:23 **Received:** 04/15/25 13:58
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	3	CFU/100mL	2	SM 9222 D	4/15/25 16:09	4/16/25 14:32		MAC

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2514368-02					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D1298	04/17/2025		SNF

Notes and Definitions

B-04 The difference between the highest and lowest results were greater than 30%.

MS2 The matrix spike recovery was below acceptance limits.

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2515232
Report: 04/23/25
Lab Contact: Jade S Eversole

Attention: Micah Ammerman
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2515232-01 **Collected By:** Client **Sampled:** 04/16/25 09:46 **Received:** 04/16/25 13:26
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	127	mg/L	13.3	SM 5210 B	04/17/25 9:56		INW
Solids, Total Suspended	90	mg/L	1	SM 2540 D	04/17/25		ALD

Lab ID: 2515232-02 **Collected By:** Client **Sampled:** 04/16/25 10:08 **Received:** 04/16/25 13:26
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/L	0.02	EPA 350.1 Rev 2.0	04/17/25		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	04/17/25 13:06		LEH
Nitrate as N	1.44	mg/L	1.00	EPA 300.0 Rev 2.1	04/16/25 21:22		NJG
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	04/16/25 21:22		NJG
Nitrate+Nitrite as N	<1.54	mg/L	1.10	CALCULATED	04/16/25 21:22		NJG
Nitrogen, Total	<2.24	mg/L	1.60	CALCULATED	04/22/25 11:04		SNF
Nitrogen, Total Kjeldahl (TKN)	0.70	mg/L	0.50	EPA 351.2 Rev 2.0	04/22/25		SNF
Phosphorus as P, Total	0.09	mg/L	0.01	SM 4500-P F	04/17/25		SNF
Solids, Total Suspended	2	mg/L	1	SM 2540 D	04/17/25		ALD

Lab ID: 2515232-03 **Collected By:** Client **Sampled:** 04/16/25 10:08 **Received:** 04/16/25 13:26
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	42	CFU/100mL	2	SM 9222 D	4/16/25 14:14	4/17/25 13:12		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2515232-02					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D1299	04/17/2025		SNF

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2515508
Report: 04/30/25
Lab Contact: Jade S Eversole

Attention: Micah Ammerman
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2515508-01 **Collected By:** Client **Sampled:** 04/22/25 11:15 **Received:** 04/22/25 14:06
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	269	mg/L	40.0	SM 5210 B	04/23/25 8:52	BS1	LEH
Solids, Total Suspended	124	mg/L	1	SM 2540 D	04/23/25		ALD

Lab ID: 2515508-02 **Collected By:** Client **Sampled:** 04/22/25 11:32 **Received:** 04/22/25 14:06
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.06	mg/L	0.02	EPA 350.1 Rev 2.0	04/23/25		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	04/23/25 10:35	BS1	INW
Nitrate as N	1.27	mg/L	1.00	EPA 300.0 Rev 2.1	04/22/25 14:58		NJG
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	04/22/25 14:58		NJG
Nitrate+Nitrite as N	<1.37	mg/L	1.10	CALCULATED	04/22/25 14:58		NJG
Nitrogen, Total	<1.87	mg/L	1.60	CALCULATED	04/24/25 9:47		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/L	0.50	EPA 351.2 Rev 2.0	04/24/25		SNF
Phosphorus as P, Total	0.13	mg/L	0.01	SM 4500-P F	04/23/25		SNF
Solids, Total Suspended	<1	mg/L	1	SM 2540 D	04/23/25		ALD

Lab ID: 2515508-03 **Collected By:** Client **Sampled:** 04/22/25 11:32 **Received:** 04/22/25 14:06
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	4/22/25 14:37	4/23/25 13:27		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2515508-02					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D1694	04/23/2025		SNF

Notes and Definitions

BS1 The blank spike recovery was above acceptance limits. Results may be biased high.

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2516381
Report: 04/30/25
Lab Contact: Jade S Eversole

Attention: Micah Ammerman
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2516381-01 **Collected By:** Client **Sampled:** 04/23/25 09:28 **Received:** 04/23/25 13:56
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	120	mg/L	13.3	SM 5210 B	04/24/25 11:55	B-04	INW
Solids, Total Suspended	60	mg/L	1	SM 2540 D	04/24/25		ALD

Lab ID: 2516381-02 **Collected By:** Client **Sampled:** 04/23/25 10:07 **Received:** 04/23/25 13:56
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.10	mg/L	0.02	EPA 350.1 Rev 2.0	04/23/25		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	04/24/25 12:43	B-01, BS1	LEH
Nitrate as N	1.92	mg/L	1.00	EPA 300.0 Rev 2.1	04/23/25 19:41		NJG
Nitrite as N	0.11	mg/L	0.10	EPA 300.0 Rev 2.1	04/23/25 19:41		NJG
Nitrate+Nitrite as N	2.03	mg/L	1.10	CALCULATED	04/23/25 19:41		NJG
Nitrogen, Total	2.90	mg/L	1.60	CALCULATED	04/24/25 13:10		SNF
Nitrogen, Total Kjeldahl (TKN)	0.87	mg/L	0.50	EPA 351.2 Rev 2.0	04/24/25		SNF
Phosphorus as P, Total	0.15	mg/L	0.01	SM 4500-P F	04/23/25		SNF
Solids, Total Suspended	4	mg/L	1	SM 2540 D	04/24/25		ALD

Lab ID: 2516381-03 **Collected By:** Client **Sampled:** 04/23/25 10:07 **Received:** 04/23/25 13:56
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	4/23/25 15:23	4/24/25 14:46		MAC

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2516381-02					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D1733	04/23/2025		SNF

Notes and Definitions

B-01 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L.

B-04 The difference between the highest and lowest results were greater than 30%.

BS1 The blank spike recovery was above acceptance limits. Results may be biased high.

M.J. Reider Associates, Inc.
107 Angelica St, Reading PA, 19611
610-374-5129 www.mjreider.com

WORK ORDER
Chain of Custody

2516381

Client Code: 4085 **Client:** Veolia Middletown
Project Manager: Jade S Eversole **Project:** Bi-Weekly Inf & Eff
Report To: Veolia Middletown - Micah Ammerman - 453 S. Lawrence St., Middletown, PA 17057
Invoice To: Veolia Middletown - Accounts Payable - 453 S. Lawrence St., Middletown, PA 17057

Collected By: (Full Name) Michael S. Baxter **Comments:** Collection TRC 0.49 mg/L

Short Hold Analysis Receipts

BOD ( ) 5 CBOD ( ) 5 NO2-N ( ) WDP NO3-N ( ) WDP

2516381-01 Influent (24Hr Composite)

Matrix: Non-Potable Water **Type:** Composite (Simple) Date/Time: 4/23/2025 0928

BOD SM 5210B
TSS SM 2540D

A - Pl Liter NP

2516381-02 Effluent (24Hr Composite)

Matrix: Non-Potable Water **Type:** Composite (Simple) Date/Time: 4/23/2025 1007

CBOD SM 5210B, NO2-N EPA 300.0, NO3-N EPA 300.0
NH3-N EPA 350.1, Total Nitrogen(TKN, NO2-N, NO3-N, CombinedNO3+NO2), PO4 SM 4500P-F, TKN EPA 351.2, TSS SM 2540D

A - Pl Liter NP
B - Pl 500mL H2SO4
C - Pl 250mL NP

2516381-03 Effluent (Grab)

Matrix: Non-Potable Water **Type:** Grab Date/Time: 4/23/2025 1007

FC SM 9222D

A - Sterile_Pl 120mL NaThio

Relinquished By	Date/Time 4/23/2025 1156	Received By	Date/Time 4/23/2025 1156
Relinquished By	Date/Time	Received By	Date/Time
Relinquished By	Date/Time	Received at Laboratory By	Date/Time 4/23/25 1356

Sample Kit Prepared By:	Date

Unless otherwise noted, the samples arrived in good condition, and, where required, were properly preserved and on ice with the temperature of the cooler between 0-6C where required (0-10C for micro; room temperature when permitted).

Checked By: DJM Entered By:

The Client, by signing (or having the client's agent sign), agrees to MJRA's Terms and Conditions and to pay for the above requested services including any additional associated fees incurred.

MJRA Terms & Conditions

All samples submitted must be accompanied by signed documentation representing a Chain of Custody (COC). The COC Record acts as a contract between the client and MJRA. Signing the COC form gives approval for MJRA to perform the requested analyses and is an agreement to pay for the cost of such analyses**.** COC Records must be completed in black or blue indelible ink (must not run when wet). COC documentation begins at the time of sample collection. Client is required to document all sample details prior to releasing samples to MJRA. All samples must be placed on ice immediately after sampling and shipped or delivered to the laboratory in a manner that will maintain the sample temperature above freezing and below 6C (loose ice is preferred)**.**

Sample Submission, Sample Acceptance & Sampling Containers

Included on the COC must be the sample description, date and time of collection (including start and stop for composites), container size and type, preservative information, sample matrix, indication of whether the sample is a grab or composite, number of containers & a list of the tests to be performed. Poor sample collection technique, inappropriate sampling containers and/or improper sample preservation may lead to sample rejection. Suitable sample containers, labels, and preservatives (as applicable), along with blank COCs are provided at no additional cost.

Turnaround Times (TAT)

Average TAT for test results range from 5 to 15 working days depending on the specific analyses and time of year submitted. Faster turnaround times (*RUSH TAT) may be available depending on the current workload in a particular department and the nature of the analyses requested. We encourage you to verify requests for expedited sample results with one of our Technical Directors prior to sample submittal. Without confirmation from a Technical Director, your results may not be completed by your deadline. *RUSH TAT Surcharges are applied for expedited turnaround times.

Analytical Results, Sample Collection Integrity & Subcontracting

Analytical values are for the sample as submitted and relate only to the item tested. The value indicates a snapshot of the constituent content of the sample at the time of sample collection. Analytical results can be impacted by poor sample collection technique and/or improper preservation. All sample collection completed by MJRA was performed in accordance with applicable regulatory protocols or as specified in customer specific sampling plans. Constituent content will vary over time based on the matrix of the sample and the physical and chemical changes to its environment. All sample results and laboratory reports are strictly confidential. Results will not be available to anyone except the primary client or authorized party representing the client unless MJRA receives additional permissions from the client. When necessary, MJRA will subcontract certain analyses to a third party accredited laboratory. If client prohibits subcontracting, it must be provided in writing and include instruction on how to proceed with client samples that require third party analyses.

Payment Terms

Payment Terms are Net 30 days. Prices are subject to change without notice. A standing monthly charge of 1.5% of the clients over-30-day-unpaid balance may be added to the balance after 30 days and each month thereafter (day 31, 61, 91 etc.). The laboratory accepts all major credit cards, ACH transactions, checks and cash. New clients must pay for all services rendered prior to sample collection and/or in some cases report processing. Clients must contact the MJRA accounting department to pursue a credit-based account. MJRA reserves the right to terminate the client's credit account and to refuse to perform additional services on a credit basis if any balance is outstanding for more than 60 days.

Warranty & Litigation

MJRA does not guarantee any results of its services but has agreed to use its best efforts, in accordance with the standards and practices of the industry, to cause such results to be accurate and complete. We disclaim any other warranties, expressed or implied, including a warranty of fitness for a particular purpose and warranty of merchantability. Clients agree that they shall reimburse MJRA for any and all fees, cost and litigation expenses, including reasonable attorney fees incurred by MJRA in obtaining payment for the services rendered. All costs associated with compliance with any subpoena for documents, testimony, or any other purpose relating to work performed by MJRA, for a client, shall be paid by that client. MJRA's aggregate liability for negligent acts and omissions and of an intentional breach by MJRA will not exceed the fee paid for the services. Client agrees to indemnify and hold MJRA harmless for any and all liabilities in excess of said amount. Neither MJRA nor the client shall be liable to the other for special, incidental consequential or punitive liability or damages included but not limited to those arising from delay, loss of use, loss of profits or revenues. MJRA will not be liable to the client unless the client has notified MJRA of the discovery of the alleged negligent act, error, omissions or breach within 30 days of the day of its discovery and within one year of the date of invoice.

Reviewed and Approved by:

Jade Lynn Eversale

Jade S Eversole
Project Manager

NELAP accredited by PA. (PADEP #06-00003) Visit our website to view our current
NELAC accreditations for various drinking water, wastewater and solid & chemical materials analytes.
Additional accreditations by MD (261)

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2516633
Report: 05/06/25
Lab Contact: Jade S Eversole

Attention: Micah Ammerman
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2516633-01 **Collected By:** Client **Sampled:** 04/29/25 08:13 **Received:** 04/29/25 14:10
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	275	mg/L	13.3	SM 5210 B	04/30/25 9:57	B-01, BS1	LEH
Solids, Total Suspended	108	mg/L	1	SM 2540 D	04/30/25		ALD

Lab ID: 2516633-02 **Collected By:** Client **Sampled:** 04/29/25 09:10 **Received:** 04/29/25 14:10
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.07	mg/L	0.02	EPA 350.1 Rev 2.0	04/30/25		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	04/30/25 8:22		INW
Nitrate as N	1.17	mg/L	1.00	EPA 300.0 Rev 2.1	04/29/25 21:18		NJG
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	04/29/25 21:18		NJG
Nitrate+Nitrite as N	<1.27	mg/L	1.10	CALCULATED	04/29/25 21:18		NJG
Nitrogen, Total	<1.98	mg/L	1.60	CALCULATED	05/05/25 14:37		KMS
Nitrogen, Total Kjeldahl (TKN)	0.71	mg/L	0.50	EPA 351.2 Rev 2.0	05/05/25		KMS
Phosphorus as P, Total	0.10	mg/L	0.01	SM 4500-P F	04/30/25		SNF
Solids, Total Suspended	2	mg/L	1	SM 2540 D	04/30/25		ALD

Lab ID: 2516633-03 **Collected By:** Client **Sampled:** 04/29/25 10:53 **Received:** 04/29/25 14:10
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	4/29/25 15:12	4/30/25 13:14		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2516633-02					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D2167	04/30/2025		SNF

Notes and Definitions

B-01 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L.

BS1 The blank spike recovery was above acceptance limits. Results may be biased high.

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003

Laboratory No.: 2517337
Report: 05/07/25
Lab Contact: Jade S Eversole

Attention: Micah Ammerman
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2517337-01 **Collected By:** Client **Sampled:** 04/30/25 09:14 **Received:** 04/30/25 11:33
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	161	mg/L	13.3	SM 5210 B	05/01/25 9:46	B-04	INW
Solids, Total Suspended	76	mg/L	1	SM 2540 D	05/01/25		ALD

Lab ID: 2517337-02 **Collected By:** Client **Sampled:** 04/30/25 08:11 **Received:** 04/30/25 11:33
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.07	mg/L	0.02	EPA 350.1 Rev 2.0	04/30/25		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/L	2.0	SM 5210 B	05/01/25 10:57		LEH
Nitrate as N	1.97	mg/L	1.00	EPA 300.0 Rev 2.1	04/30/25 18:04		NJG
Nitrite as N	<0.10	mg/L	0.10	EPA 300.0 Rev 2.1	04/30/25 18:04		NJG
Nitrate+Nitrite as N	<2.07	mg/L	1.10	CALCULATED	04/30/25 18:04		NJG
Nitrogen, Total	<2.78	mg/L	1.60	CALCULATED	05/05/25 18:09		KMS
Nitrogen, Total Kjeldahl (TKN)	0.71	mg/L	0.50	EPA 351.2 Rev 2.0	05/05/25		KMS
Phosphorus as P, Total	0.08	mg/L	0.01	SM 4500-P F	04/30/25		SNF
Solids, Total Suspended	<1	mg/L	1	SM 2540 D	05/01/25		ALD

Lab ID: 2517337-03 **Collected By:** Client **Sampled:** 04/30/25 09:28 **Received:** 04/30/25 11:33
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	CFU/100mL	2	SM 9222 D	4/30/25 14:21	5/1/25 13:40		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2517337-02					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D2167	04/30/2025		SNF

Notes and Definitions

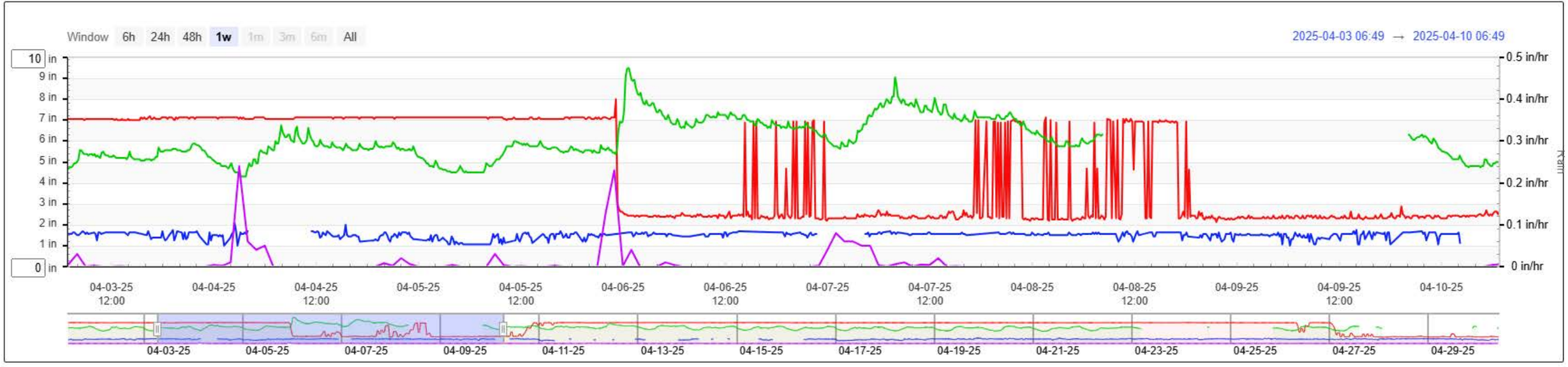
B-04 The difference between the highest and lowest results were greater than 30%.

Veolia North America Middletown

SMARTCOVER® SEWER INTELLIGENCE®

Map | SmartTrend® | Alarms and Alerts | System Operations | Multi Charts | Reports | Support

Static Charts



Time Period: Custom

Date Range: 2025-04-01 10:37 - 2025-04-30 10:37

Long Filter: No Filter

Update Chart

Download Data

Locations

301-MH-332	Water Level above Bottom	
301-MH-475A	Water Level above Bottom	
MH-286	Water Level above Bottom	
MH-290	Water Level above Bottom	
[RAIN] Mill Street-Hoffer Park-RAIN	Rain	Total: 1.33 in

Chart up to 5 data series by selecting additional locations & their data types.

APPENDIX 2

DRINKING WATER

MIDDLETOWN WATER SYSTEM
MONTHLY SAFE DRINKING WATER ACT
COMPLIANCE REPORT
AND CORRESPONDENCE WITH PADEP

&

SUSQUEHANNA RIVER BASIN COMMISSION
QUARTERLY WATER WITHDRAWAL REPORT AND
CORRESPONDENCE

Monthly Water Pumped

Middletown Borough Authority

April, 2025								
	Maximum Day	890,302					Days pumped	30
	Minimum Day	705,465						
Date	**Well No.1**	**Well No.2**	**Well No.3**	**Well No.4**	**Well No.5**	**Well No.6**	**Total**	**Union Booster**
01	127,642	298,920		90,393	82,807	213,111	812,873	
02	123,165	298,926		90,416	79,631	205,234	797,372	
03	116,674	298,915		90,449	75,454	195,281	776,773	
04	114,111	298,977		90,507	74,188	192,260	770,043	
05	117,421	299,168		90,562	76,336	197,710	781,197	
06	129,816	298,171		90,610	84,632	218,235	821,464	
07	122,870	299,113		90,795	79,915	193,630	786,323	
08	112,787	300,399		90,885	73,183	189,495	766,749	
09	124,246	292,699		90,900	80,602	208,249	796,696	
10	120,393	302,661		90,976	77,984	201,865	793,879	
11	115,713	303,335		91,124	74,776	193,995	778,943	
12	120,236	303,558		91,249	77,761	201,708	794,512	
13	129,653	302,062		91,115	84,005	216,985	823,820	
14	117,711	302,740		91,198	76,556	198,407	786,612	
15	120,541	302,667		91,184	78,670	204,013	797,075	
16	118,249	302,653		91,124	76,950	199,691	788,667	
17	121,785	302,239		91,125	79,295	205,269	799,713	
18	123,385	302,037		91,054	80,665	209,303	806,444	
19	119,626	301,641		90,938	78,450	203,536	794,191	
20	117,960	301,297		90,794	77,321	200,492	787,864	
21	157,932	300,700		91,104	104,354	51,375	705,465	
22	277,387	295,038		90,840	182,734	10,315	856,314	
23	205,306	294,639		90,745	135,229	69,522	795,441	
24	295,156	275,691		90,774	194,208	34,473	890,302	
25	142,064	295,133		90,428	93,036	214,403	835,064	
26	115,668	297,643		90,363	76,100	199,807	779,581	
27	128,353	297,454		90,186	84,488	220,460	820,941	
28	120,902	297,936		90,154	79,674	207,435	796,101	
29	117,236	298,335		90,153	77,142	201,627	784,493	
30	119,104	298,342		90,043	78,672	205,348	791,509	
Totals:	4,093,092	8,963,089		2,722,188	2,674,818	5,463,234	23,916,421	
Maximum	295,156	303,558		91,249	194,208	220,460	890,302	
Minimum	112,787	275,691		90,043	73,183	10,315	705,465	
Average	136,436	298,770		90,740	89,161	182,108	797,214	

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1			03 Compliance Sampling Log	4.00 Distribution System Monitoring\DS-000 Generic Sample Location												
2				400000	400007	400008	400011	400012	400013	400014	400015	400016	400017	400018	400019	400020
3				DS-000: Contractual Weekly Distribution	pH	Temperature	Hardness	Alkalinity (CaCO3)	Calcium	Phosphorus, Total	Silicates	Iron, Total	Manganese, Total	TDS	Specific Conductance	Langlier Index
4				Date	SU	Deg C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	umhos/Cm2	LSI
5	Apr	1 Tue		4-1-25	7.70	15.0	390.0	190.00	121.00	0.06	22.70	<0.02	<0.01	231.00	738.00	7.70
6		2 Wed														
7		3 Thu														
8		4 Fri														
9		5 Sat														
10		6 Sun														
11		7 Mon														
12		8 Tue		4-8-25	8.00	14.0	342.0	193.00	104.00	0.07	23.20	<0.02	<0.01	261.00	742.00	8.00
13		9 Wed														
14		10 Thu														
15		11 Fri														
16		12 Sat														
17		13 Sun														
18		14 Mon														
19		15 Tue		4-15-25	7.80	13.0	355.0	193.00	111.00	0.06	20.90	<0.02	<0.01	236.00	747.00	7.80
20		16 Wed														
21		17 Thu														
22		18 Fri														
23		19 Sat														
24		20 Sun														
25		21 Mon														
26		22 Tue		4-22-25	7.80	16.0	344.0	195.00	105.00	0.07	21.80	<0.02	<0.01	245.00	691.00	7.80
27		23 Wed														
28		24 Thu														
29		25 Fri														
30		26 Sat														
31		27 Sun														
32		28 Mon														
33		29 Tue		4-29-25	7.80	17.0	352.0	202.00	109.00	0.06	21.60	<0.02	<0.01	272.00	704.00	7.80
34		30 Wed														
36	MINIMUM			4-1-25	7.70	13.0	342.0	190.00	104.00	0.06	20.90	<0.02	<0.01	231.00	691.00	7.70
37	MAXIMUM			4-8-25	8.00	17.0	390.0	202.00	121.00	0.07	23.20	<0.02	<0.01	272.00	747.00	8.00
38	AVERAGE			1	7.82	15.0	356.6	194.60	110.00	0.06	22.04	<0.02	<0.01	249.00	724.40	3.40
39	SUM			5	39.10	75.0	1,783.0	973.00	550.00	0.32	110.20	<0.10	<0.05	1,245.00	3,622.00	16.99

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Laboratory No.: 2512605
Reported: 04/02/25
Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: Feb,Apr,Jun,Aug,Oct,Dec Week 1
7220038

Lab ID: 2512605-01 **Collected By:** Client **Sampled:** 04/01/25 09:20 **Received:** 04/01/25 13:10
Sample Desc: 701 Middletown WWTP **PADEP Type:** D-Distribution
Notes: **PWSID:** 7220038 **Loc ID:** 701

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Microbiology										
Escherichia coli	Absent	/100mL	1.00	SM 9223 B	4/1/25 13:46	4/2/25 7:57		JMW	N/A	1
Total Coliform	Absent	/100mL	1.00	SM 9223 B	4/1/25 13:46	4/2/25 7:57		JMW	N/A	1

Lab ID: 2512605-02 **Collected By:** Client **Sampled:** 04/01/25 08:42 **Received:** 04/01/25 13:10
Sample Desc: 703 North Union Street Booster Station **PADEP Type:** D-Distribution
Notes: **PWSID:** 7220038 **Loc ID:** 703

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Microbiology										
Escherichia coli	Absent	/100mL	1.00	SM 9223 B	4/1/25 13:46	4/2/25 7:57		JMW	N/A	1
Total Coliform	Absent	/100mL	1.00	SM 9223 B	4/1/25 13:46	4/2/25 7:57		JMW	N/A	1

Lab ID: 2512605-03 **Collected By:** Client **Sampled:** 04/01/25 09:04 **Received:** 04/01/25 13:10
Sample Desc: 707 Main - Catherine St Hydrant **PADEP Type:** D-Distribution
Notes: **PWSID:** 7220038 **Loc ID:** 707

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Microbiology										
Escherichia coli	Absent	/100mL	1.00	SM 9223 B	4/1/25 13:46	4/2/25 7:57		JMW	N/A	1
Total Coliform	Absent	/100mL	1.00	SM 9223 B	4/1/25 13:46	4/2/25 7:57		JMW	N/A	1

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2512605-01					
Microbiology					
SM 9223 B	Colilert-18	B5D0039	04/01/2025		JMW
2512605-02					
Microbiology					
SM 9223 B	Colilert-18	B5D0039	04/01/2025		JMW
2512605-03					
Microbiology					
SM 9223 B	Colilert-18	B5D0039	04/01/2025		JMW

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031925	701		031825	D	0822	06003	2510144-01	KISTLERC_579
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	040225	701		040125	D	0920	06003	2512605-01	KISTLERC_1380
7220038	3114	E. COLIFORM PRESENCE	331	0.0	031925	701		031825	D	0822	06003	2510144-01	KISTLERC_637
7220038	3114	E. COLIFORM PRESENCE	331	0.0	040225	701		040125	D	0920	06003	2512605-01	KISTLERC_1421
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031925	703		031825	D	0803	06003	2510144-02	KISTLERC_580
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	040225	703		040125	D	0842	06003	2512605-02	KISTLERC_1381
7220038	3114	E. COLIFORM PRESENCE	331	0.0	031925	703		031825	D	0803	06003	2510144-02	KISTLERC_638
7220038	3114	E. COLIFORM PRESENCE	331	0.0	040225	703		040125	D	0842	06003	2512605-02	KISTLERC_1422
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031225	704		031125	D	0848	06003	2509198-01	KISTLERC_79
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032725	704		032625	D	0816	06003	2511169-01	KISTLERC_1279
7220038	3114	E. COLIFORM PRESENCE	331	0.0	031225	704		031125	D	0848	06003	2509198-01	KISTLERC_143
7220038	3114	E. COLIFORM PRESENCE	331	0.0	032725	704		032625	D	0816	06003	2511169-01	KISTLERC_1284
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031225	705		031125	D	0836	06003	2509198-02	KISTLERC_80
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032725	705		032625	D	0913	06003	2511169-02	KISTLERC_1280
7220038	3114	E. COLIFORM PRESENCE	331	0.0	031225	705		031125	D	0836	06003	2509198-02	KISTLERC_144
7220038	3114	E. COLIFORM PRESENCE	331	0.0	032725	705		032625	D	0913	06003	2511169-02	KISTLERC_1285
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031925	707		031825	D	0813	06003	2510144-03	KISTLERC_581
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	040225	707		040125	D	0904	06003	2512605-03	KISTLERC_1382
7220038	3114	E. COLIFORM PRESENCE	331	0.0	031925	707		031825	D	0813	06003	2510144-03	KISTLERC_639

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3114	E. COLIFORM PRESENCE	331	0.0	040225	707		040125	D	0904	06003	2512605-03	KISTLERC_1423

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Laboratory No.: 2512604
Reported: 04/07/25
Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2512604-01 **Collected By:** Client **Sampled:** 04/01/25 09:21 **Received:** 04/01/25 13:10
Sample Desc: WWTP Lab Sink **Sample Type:** Grab
Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max		Pass/ Fail
General Chemistry										
Alkalinity, Total to pH 4.5	190	mg CaCO3/ L	20	SM 2320 B	04/01/25		ORL	N/A	N/A	
Total Hardness as CaCO3	390	mg/L	4.56	CALCULATED	04/03/25		HRG	N/A	N/A	
Phosphorus as P, Total	0.06	mg/L	0.01	SM 4500-P F	04/04/25		SNF	N/A	N/A	
Silica as SiO2	22.7	mg/L	2.14	CALCULATED	04/04/25		HRG	N/A	N/A	
Conductivity	738	umhos/cm	10	SM 2510 B	04/02/25		ORL	N/A	N/A	
Total Metals										
Calcium	121	mg/L	1	EPA 200.7 Rev 4.4	04/03/25		HRG	N/A	N/A	
Iron	<0.02	mg/L	0.02	EPA 200.7 Rev 4.4	04/03/25		HRG	N/A	0.3	PASS
Magnesium	21.3	mg/L	0.5	EPA 200.7 Rev 4.4	04/03/25		HRG	N/A	N/A	
Manganese	<0.005	mg/L	0.005	EPA 200.8 Rev 5.4	04/02/25		MPB	N/A	0.05	PASS
Silicon	10.6	mg/L	1.0	EPA 200.7 Rev 4.4	04/04/25		HRG	N/A	N/A	

Notes and Definitions

Pass Result less than or equal to EPA maximum contaminant level.
Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2512604-01					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D0233	04/03/2025		SNF

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Laboratory No.: 2513263
Reported: 04/11/25
Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: Feb,Apr,Jun,Aug,Oct,Dec Week 2
7220038

Lab ID: 2513263-01 **Collected By:** Client **Sampled:** 04/08/25 09:12 **Received:** 04/08/25 13:42
Sample Desc: 704 Village of Pineford Office **PADEP Type:** D-Distribution
Notes: **PWSID:** 7220038 **Loc ID:** 704

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Microbiology										
Escherichia coli	Absent	/100mL	1.00	SM 9223 B	4/8/25 14:30	4/9/25 8:31		JMW	N/A	1
Total Coliform	Absent	/100mL	1.00	SM 9223 B	4/8/25 14:30	4/9/25 8:31		JMW	N/A	1

Lab ID: 2513263-02 **Collected By:** Client **Sampled:** 04/08/25 08:44 **Received:** 04/08/25 13:42
Sample Desc: 705 High Street Standpipe **PADEP Type:** D-Distribution
Notes: **PWSID:** 7220038 **Loc ID:** 705

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Microbiology										
Escherichia coli	Absent	/100mL	1.00	SM 9223 B	4/8/25 14:30	4/9/25 8:31		JMW	N/A	1
Total Coliform	Absent	/100mL	1.00	SM 9223 B	4/8/25 14:30	4/9/25 8:31		JMW	N/A	1

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2513263-01					
Microbiology					
SM 9223 B	Colilert-18	B5D0573	04/08/2025		JMW
2513263-02					
Microbiology					
SM 9223 B	Colilert-18	B5D0573	04/08/2025		JMW

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031925	701		031825	D	0822	06003	2510144-01	KISTLERC_579
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	040225	701		040125	D	0920	06003	2512605-01	KISTLERC_1380
7220038	3114	E. COLIFORM PRESENCE	331	0.0	031925	701		031825	D	0822	06003	2510144-01	KISTLERC_637
7220038	3114	E. COLIFORM PRESENCE	331	0.0	040225	701		040125	D	0920	06003	2512605-01	KISTLERC_1421
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031925	703		031825	D	0803	06003	2510144-02	KISTLERC_580
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	040225	703		040125	D	0842	06003	2512605-02	KISTLERC_1381
7220038	3114	E. COLIFORM PRESENCE	331	0.0	031925	703		031825	D	0803	06003	2510144-02	KISTLERC_638
7220038	3114	E. COLIFORM PRESENCE	331	0.0	040225	703		040125	D	0842	06003	2512605-02	KISTLERC_1422
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031225	704		031125	D	0848	06003	2509198-01	KISTLERC_79
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032725	704		032625	D	0816	06003	2511169-01	KISTLERC_1279
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	040925	704		040825	D	0912	06003	2513263-01	KISTLERC_2066
7220038	3114	E. COLIFORM PRESENCE	331	0.0	031225	704		031125	D	0848	06003	2509198-01	KISTLERC_143
7220038	3114	E. COLIFORM PRESENCE	331	0.0	032725	704		032625	D	0816	06003	2511169-01	KISTLERC_1284
7220038	3114	E. COLIFORM PRESENCE	331	0.0	040925	704		040825	D	0912	06003	2513263-01	KISTLERC_2115
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031225	705		031125	D	0836	06003	2509198-02	KISTLERC_80
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032725	705		032625	D	0913	06003	2511169-02	KISTLERC_1280
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	040925	705		040825	D	0844	06003	2513263-02	KISTLERC_2067
7220038	3114	E. COLIFORM PRESENCE	331	0.0	031225	705		031125	D	0836	06003	2509198-02	KISTLERC_144
7220038	3114	E. COLIFORM PRESENCE	331	0.0	032725	705		032625	D	0913	06003	2511169-02	KISTLERC_1285

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3114	E. COLIFORM PRESENCE	331	0.0	040925	705		040825	D	0844	06003	2513263-02	KISTLERC_2116
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031925	707		031825	D	0813	06003	2510144-03	KISTLERC_581
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	040225	707		040125	D	0904	06003	2512605-03	KISTLERC_1382
7220038	3114	E. COLIFORM PRESENCE	331	0.0	031925	707		031825	D	0813	06003	2510144-03	KISTLERC_639
7220038	3114	E. COLIFORM PRESENCE	331	0.0	040225	707		040125	D	0904	06003	2512605-03	KISTLERC_1423

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Laboratory No.: 2513262
Reported: 04/21/25
Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2513262-01 **Collected By:** Client **Sampled:** 04/08/25 09:29 **Received:** 04/08/25 13:42
Sample Desc: WWTP Lab Sink **Sample Type:** Grab
Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max		Pass/ Fail
General Chemistry										
Alkalinity, Total to pH 4.5	193	mg CaCO3/ L	20	SM 2320 B	04/09/25		ORL	N/A	N/A	
Total Hardness as CaCO3	342	mg/L	4.56	CALCULATED	04/11/25		HRG	N/A	N/A	
Phosphorus as P, Total	0.07	mg/L	0.01	SM 4500-P F	04/09/25		SNF	N/A	N/A	
Silica as SiO2	23.2	mg/L	2.14	CALCULATED	04/15/25		HRG	N/A	N/A	
Conductivity	742	umhos/cm	10	SM 2510 B	04/11/25		ORL	N/A	N/A	
Total Metals										
Calcium	104	mg/L	1	EPA 200.7 Rev 4.4	04/11/25		HRG	N/A	N/A	
Iron	<0.02	mg/L	0.02	EPA 200.7 Rev 4.4	04/09/25		HRG	N/A	0.3	PASS
Magnesium	19.9	mg/L	0.5	EPA 200.7 Rev 4.4	04/11/25		HRG	N/A	N/A	
Manganese	<0.005	mg/L	0.005	EPA 200.8 Rev 5.4	04/09/25		MPB	N/A	0.05	PASS
Silicon	10.8	mg/L	1.0	EPA 200.7 Rev 4.4	04/15/25		HRG	N/A	N/A	

Notes and Definitions

Pass Result less than or equal to EPA maximum contaminant level.
Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2513262-01					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D0680	04/09/2025		SNF

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Laboratory No.: 2514370
Reported: 04/21/25
Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: Feb,Apr,Jun,Aug,Oct,Dec Week 3
7220038

Lab ID: 2514370-01 **Collected By:** Client **Sampled:** 04/15/25 09:25 **Received:** 04/15/25 13:58
Sample Desc: 701 Middletown WWTP **PADEP Type:** D-Distribution
Notes: **PWSID:** 7220038 **Loc ID:** 701

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Microbiology										
Escherichia coli	Absent	/100mL	1.00	SM 9223 B	4/15/25 15:57	4/16/25 11:15		JMW	N/A	1
Total Coliform	Absent	/100mL	1.00	SM 9223 B	4/15/25 15:57	4/16/25 11:15		JMW	N/A	1

Lab ID: 2514370-02 **Collected By:** Client **Sampled:** 04/15/25 08:45 **Received:** 04/15/25 13:58
Sample Desc: 703 North Union Street Booster Station **PADEP Type:** D-Distribution
Notes: **PWSID:** 7220038 **Loc ID:** 703

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Microbiology										
Escherichia coli	Absent	/100mL	1.00	SM 9223 B	4/15/25 15:57	4/16/25 11:15		JMW	N/A	1
Total Coliform	Absent	/100mL	1.00	SM 9223 B	4/15/25 15:57	4/16/25 11:15		JMW	N/A	1

Lab ID: 2514370-03 **Collected By:** Client **Sampled:** 04/15/25 09:12 **Received:** 04/15/25 13:58
Sample Desc: 707 Main - Catherine Hydrant **PADEP Type:** D-Distribution
Notes: **PWSID:** 7220038 **Loc ID:** 707

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Microbiology										
Escherichia coli	Absent	/100mL	1.00	SM 9223 B	4/15/25 15:57	4/16/25 11:15		JMW	N/A	1
Total Coliform	Absent	/100mL	1.00	SM 9223 B	4/15/25 15:57	4/16/25 11:15		JMW	N/A	1

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2514370-01					
Microbiology					
SM 9223 B	Colilert-18	B5D1133	04/15/2025		JMW
2514370-02					
Microbiology					
SM 9223 B	Colilert-18	B5D1133	04/15/2025		JMW
2514370-03					
Microbiology					
SM 9223 B	Colilert-18	B5D1133	04/15/2025		JMW

Department of Environmental Protection

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT

VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	041625	701		041525	D	0925	06003	2514370-01	KISTLERC_435
7220038	3114	E. COLIFORM PRESENCE	331	0.0	041625	701		041525	D	0925	06003	2514370-01	KISTLERC_504
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	041625	703		041525	D	0845	06003	2514370-02	KISTLERC_436
7220038	3114	E. COLIFORM PRESENCE	331	0.0	041625	703		041525	D	0845	06003	2514370-02	KISTLERC_505
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	041625	707		041525	D	0912	06003	2514370-03	KISTLERC_437
7220038	3114	E. COLIFORM PRESENCE	331	0.0	041625	707		041525	D	0912	06003	2514370-03	KISTLERC_506

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Laboratory No.: 2514369
Reported: 04/23/25
Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2514369-01 **Collected By:** Client **Sampled:** 04/15/25 09:29 **Received:** 04/15/25 13:58
Sample Desc: WWTP Lab Sink **Sample Type:** Grab
Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max		Pass/ Fail
General Chemistry										
Alkalinity, Total to pH 4.5	193	mg CaCO3/ L	20	SM 2320 B	04/15/25		ORL	N/A	N/A	
Total Hardness as CaCO3	355	mg/L	4.56	CALCULATED	04/17/25		HRG	N/A	N/A	
Phosphorus as P, Total	0.06	mg/L	0.01	SM 4500-P F	04/18/25		SNF	N/A	N/A	
Silica as SiO2	20.9	mg/L	2.14	CALCULATED	04/18/25		HRG	N/A	N/A	
Conductivity	747	umhos/cm	10	SM 2510 B	04/21/25		ORL	N/A	N/A	
Total Metals										
Calcium	111	mg/L	1	EPA 200.7 Rev 4.4	04/17/25		HRG	N/A	N/A	
Iron	<0.02	mg/L	0.02	EPA 200.7 Rev 4.4	04/17/25		HRG	N/A	0.3	PASS
Magnesium	19.1	mg/L	0.5	EPA 200.7 Rev 4.4	04/17/25		HRG	N/A	N/A	
Manganese	<0.005	mg/L	0.005	EPA 200.8 Rev 5.4	04/16/25		MPB	N/A	0.05	PASS
Silicon	9.8	mg/L	1.0	EPA 200.7 Rev 4.4	04/18/25		HRG	N/A	N/A	

Notes and Definitions

Pass Result less than or equal to EPA maximum contaminant level.
Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2514369-01					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D1306	04/17/2025		SNF

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Laboratory No.: 2512693
Reported: 05/01/25
Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: 102 Entry Point Well #2 PFOA & PFOS

Lab ID: 2512693-01 **Collected By:** Client **Sampled:** 04/15/25 08:07 **Received:** 04/15/25 13:58
Sample Desc: 102 Entry Point Well #2 **PADEP Type:**
Notes: **PWSID:** 7220038 **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min	EPA MCL Max
Subcontracted									
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.7	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	N/A
Perfluorobutanesulfonic acid (PFBS)	4.4	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	N/A
Perfluorohexanesulfonic acid (PFHxS)	4.1	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	N/A
Perfluorononanoic acid (PFNA)	<1.7	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	N/A
Perfluorooctanesulfonic acid (PFOS)	8.0	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	18
Perfluorooctanoic acid (PFOA)	3.2	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	14

Lab ID: 2512693-02 **Collected By:** Client **Sampled:** 04/15/25 08:09 **Received:** 04/15/25 13:58
Sample Desc: 102 Field Blank **PADEP Type:**
Notes: **PWSID:** 7220038 **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min	EPA MCL Max
Subcontracted									
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.7	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	N/A
Perfluorobutanesulfonic acid (PFBS)	<1.7	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	N/A
Perfluorohexanesulfonic acid (PFHxS)	<1.7	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	N/A
Perfluorononanoic acid (PFNA)	<1.7	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	N/A
Perfluorooctanesulfonic acid (PFOS)	<1.7	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	18
Perfluorooctanoic acid (PFOA)	<1.7	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/24/25	EURL	WR4P	N/A	14

Notes and Definitions

EURL Analysis subcontracted to: EUR_Lancaster, Certification ID: 36-00037

Department of Environmental Protection

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT

VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2801	PERFLUOROBUTANESULFONIC ACID	243	4.4	1.70000		042425	102		041525	E	0807	36037	410-217783-1	EDUNNENL36037_172
7220038	2803	PERFLUOROHEXANESULFONIC ACID	243	4.1	1.70000		042425	102		041525	E	0807	36037	410-217783-1	EDUNNENL36037_173
7220038	2804	PERFLUORONONANOIC ACID	243	0.0	1.70000		042425	102		041525	E	0807	36037	410-217783-1	EDUNNENL36037_174
7220038	2805	PERFLUOROOCTANESULFONIC ACID	243	8.0	1.70000		042425	102		041525	E	0807	36037	410-217783-1	EDUNNENL36037_175
7220038	2806	PERFLUOROOCTANOIC ACID	243	3.2	1.70000		042425	102		041525	E	0807	36037	410-217783-1	EDUNNENL36037_176
7220038	2816	HEXAFLUOROPROPYLENE OXIDE DA	243	0.0	1.70000		042425	102		041525	E	0807	36037	410-217783-1	EDUNNENL36037_171
7220038	2801	PERFLUOROBUTANESULFONIC ACID	243	5.4	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_112
7220038	2803	PERFLUOROHEXANESULFONIC ACID	243	2.6	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_113
7220038	2804	PERFLUORONONANOIC ACID	243	0.0	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_114
7220038	2805	PERFLUOROOCTANESULFONIC ACID	243	6.1	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_115
7220038	2806	PERFLUOROOCTANOIC ACID	243	5.1	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_116
7220038	2816	HEXAFLUOROPROPYLENE OXIDE DA	243	0.0	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_111

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Laboratory No.: 2512695
Reported: 05/01/25
Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: 104 Entry Point Well #4 PFOA & PFOS

Lab ID: 2512695-01 **Collected By:** Client **Sampled:** 04/15/25 08:55 **Received:** 04/15/25 13:58
Sample Desc: 104 Entry Point Well #4 **PADEP Type:**
Notes: **PWSID:** 7220038 **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min	EPA MCL Max
Subcontracted									
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.7	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	N/A
Perfluorobutanesulfonic acid (PFBS)	5.4	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	N/A
Perfluorohexanesulfonic acid (PFHxS)	2.6	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	N/A
Perfluorononanoic acid (PFNA)	<1.7	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	N/A
Perfluorooctanesulfonic acid (PFOS)	6.1	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	18
Perfluorooctanoic acid (PFOA)	5.1	ng/L	1.7	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	14

Lab ID: 2512695-02 **Collected By:** Client **Sampled:** 04/15/25 08:57 **Received:** 04/15/25 13:58
Sample Desc: 104 Field Blank **PADEP Type:**
Notes: **PWSID:** 7220038 **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min	EPA MCL Max
Subcontracted									
Hexafluoropropylene Oxide Dimer Acid (HFPO-DA)	<1.6	ng/L	1.6	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	N/A
Perfluorobutanesulfonic acid (PFBS)	<1.6	ng/L	1.6	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	N/A
Perfluorohexanesulfonic acid (PFHxS)	<1.6	ng/L	1.6	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	N/A
Perfluorononanoic acid (PFNA)	<1.6	ng/L	1.6	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	N/A
Perfluorooctanesulfonic acid (PFOS)	<1.6	ng/L	1.6	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	18
Perfluorooctanoic acid (PFOA)	<1.6	ng/L	1.6	EPA 537.1, Ver 1.0 Nov 2018	04/23/25	EURL	WR4P	N/A	14

Notes and Definitions

EURL Analysis subcontracted to: EUR_Lancaster, Certification ID: 36-00037

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2801	PERFLUOROBUTANESULFONIC ACID	243	5.4	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_112
7220038	2803	PERFLUOROHEXANESULFONIC ACID	243	2.6	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_113
7220038	2804	PERFLUORONONANOIC ACID	243	0.0	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_114
7220038	2805	PERFLUOROOCTANESULFONIC ACID	243	6.1	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_115
7220038	2806	PERFLUOROOCTANOIC ACID	243	5.1	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_116
7220038	2816	HEXAFLUOROPROPYLENE OXIDE DA	243	0.0	1.70000		042325	104		041525	E	0855	36037	410-217762-1	EDUNNENL36037_111

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Laboratory No.: 2515510
Reported: 04/24/25
Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: Feb,Apr,Jun,Aug,Oct,Dec Week 4
7220038

Lab ID: 2515510-01 **Collected By:** Client **Sampled:** 04/22/25 08:49 **Received:** 04/22/25 14:06
Sample Desc: 704 Village of Pineford Office **PADEP Type:** D-Distribution
Notes: **PWSID:** 7220038 **Loc ID:** 704

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Microbiology										
Escherichia coli	Absent	/100mL	1.00	SM 9223 B	4/22/25 15:58	4/23/25 10:04		MAC	N/A	1
Total Coliform	Absent	/100mL	1.00	SM 9223 B	4/22/25 15:58	4/23/25 10:04		MAC	N/A	1

Lab ID: 2515510-02 **Collected By:** Client **Sampled:** 04/22/25 08:17 **Received:** 04/22/25 14:06
Sample Desc: 705 High Street Standpipe **PADEP Type:** D-Distribution
Notes: **PWSID:** 7220038 **Loc ID:** 705

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Microbiology										
Escherichia coli	Absent	/100mL	1.00	SM 9223 B	4/22/25 15:58	4/23/25 10:04		MAC	N/A	1
Total Coliform	Absent	/100mL	1.00	SM 9223 B	4/22/25 15:58	4/23/25 10:04		MAC	N/A	1

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2515510-01					
Microbiology					
SM 9223 B	Colilert-18	B5D1649	04/22/2025		MAC
2515510-02					
Microbiology					
SM 9223 B	Colilert-18	B5D1649	04/22/2025		MAC

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	041625	701		041525	D	0925	06003	2514370-01	KISTLERC_435
7220038	3114	E. COLIFORM PRESENCE	331	0.0	041625	701		041525	D	0925	06003	2514370-01	KISTLERC_504
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	041625	703		041525	D	0845	06003	2514370-02	KISTLERC_436
7220038	3114	E. COLIFORM PRESENCE	331	0.0	041625	703		041525	D	0845	06003	2514370-02	KISTLERC_505
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042325	704		042225	D	0849	06003	2515510-01	KISTLERC_932
7220038	3114	E. COLIFORM PRESENCE	331	0.0	042325	704		042225	D	0849	06003	2515510-01	KISTLERC_990
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042325	705		042225	D	0817	06003	2515510-02	KISTLERC_933
7220038	3114	E. COLIFORM PRESENCE	331	0.0	042325	705		042225	D	0817	06003	2515510-02	KISTLERC_991
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	041625	707		041525	D	0912	06003	2514370-03	KISTLERC_437
7220038	3114	E. COLIFORM PRESENCE	331	0.0	041625	707		041525	D	0912	06003	2514370-03	KISTLERC_506

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Laboratory No.: 2515509
Reported: 04/28/25
Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2515509-01 **Collected By:** Client **Sampled:** 04/22/25 09:22 **Received:** 04/22/25 14:06
Sample Desc: WWTP Lab Sink **Sample Type:** Grab
Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max		Pass/ Fail
General Chemistry										
Alkalinity, Total to pH 4.5	195	mg CaCO3/ L	20	SM 2320 B	04/24/25		NJG	N/A	N/A	
Total Hardness as CaCO3	344	mg/L	4.56	CALCULATED	04/23/25		HRG	N/A	N/A	
Phosphorus as P, Total	0.07	mg/L	0.01	SM 4500-P F	04/23/25		SNF	N/A	N/A	
Silica as SiO2	21.8	mg/L	2.14	CALCULATED	04/23/25		HRG	N/A	N/A	
Conductivity	691	umhos/c m	10	SM 2510 B	04/25/25		ORL	N/A	N/A	
Total Metals										
Calcium	105	mg/L	1	EPA 200.7 Rev 4.4	04/23/25		HRG	N/A	N/A	
Iron	<0.02	mg/L	0.02	EPA 200.7 Rev 4.4	04/23/25		HRG	N/A	0.3	PASS
Magnesium	20.1	mg/L	0.5	EPA 200.7 Rev 4.4	04/23/25		HRG	N/A	N/A	
Manganese	<0.005	mg/L	0.005	EPA 200.8 Rev 5.4	04/24/25		ORL	N/A	0.05	PASS
Silicon	10.2	mg/L	1.0	EPA 200.7 Rev 4.4	04/23/25		HRG	N/A	N/A	

Notes and Definitions

Pass Result less than or equal to EPA maximum contaminant level.
Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2515509-01					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D1706	04/23/2025		SNF

Certificate of Analysis

M.J. Reider Associates, Inc.
ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Laboratory No.: 2516634
Reported: 05/05/25
Lab Contact: Christina M Kistler

Attention: Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2516634-01 **Collected By:** Client **Sampled:** 04/29/25 09:14 **Received:** 04/29/25 14:10
Sample Desc: WWTP Lab Sink **Sample Type:** Grab
Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max		Pass/ Fail
General Chemistry										
Alkalinity, Total to pH 4.5	202	mg CaCO3/ L	20	SM 2320 B	05/01/25		NJG	N/A	N/A	
Total Hardness as CaCO3	352	mg/L	4.56	CALCULATED	04/30/25		HRG	N/A	N/A	
Phosphorus as P, Total	0.06	mg/L	0.01	SM 4500-P F	04/30/25		SNF	N/A	N/A	
Silica as SiO2	21.6	mg/L	2.14	CALCULATED	04/30/25		HRG	N/A	N/A	
Conductivity	704	umhos/c m	10	SM 2510 B	05/01/25		NJG	N/A	N/A	
Total Metals										
Calcium	109	mg/L	1	EPA 200.7 Rev 4.4	04/30/25		HRG	N/A	N/A	
Iron	<0.02	mg/L	0.02	EPA 200.7 Rev 4.4	04/30/25		HRG	N/A	0.3	PASS
Magnesium	19.5	mg/L	0.5	EPA 200.7 Rev 4.4	04/30/25		HRG	N/A	N/A	
Manganese	<0.005	mg/L	0.005	EPA 200.8 Rev 5.4	05/01/25		MPB	N/A	0.05	PASS
Silicon	10.1	mg/L	1.0	EPA 200.7 Rev 4.4	04/30/25		HRG	N/A	N/A	

Notes and Definitions

Pass Result less than or equal to EPA maximum contaminant level.
Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Notes	Prepared By
2516634-01					
General Chemistry					
SM 4500-P F	SM 4500-P B	B5D2182	04/30/2025		SNF

VEOLIA

Ammerman, Micah <micah.ammerman@veolia.com>

File Uploaded Successfully by HANNANJ

6 messages

ra-padwis@pa.gov <ra-padwis@pa.gov> 6 May 2025 at 09:45
To: Micah.Ammerman@veolia.com

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 100 Well No 1 (36).xls	HANNANJ	HANNANJ_1 through HANNANJ_30

Until the 11th of each month, you may obtain a copy of record by accessing the "Printer Friendly Version" of the View and Edit Records screen in DWELR. On or after the 12th of the month, you may view the sample results the Department has on file by accessing the Drinking Water Reporting System at http://www.drinkingwater.state.pa.us/dwrs/HTM/Welcome.html . If you see errors in the results which you submitted and would like to repudiate any of the results or wish to request a copy of record, please contact the PADWIS Section at 717-772-4018.

---

ra-padwis@pa.gov <ra-padwis@pa.gov> 6 May 2025 at 09:45
To: Micah.Ammerman@veolia.com

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 102 Well No 2 (36).xls	HANNANJ	HANNANJ_31 through HANNANJ_60

[Quoted text hidden]

---

ra-padwis@pa.gov <ra-padwis@pa.gov> 6 May 2025 at 09:46
To: Micah.Ammerman@veolia.com

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 103 Well No 3 (36).xls	HANNANJ	HANNANJ_61 through HANNANJ_90

[Quoted text hidden]

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ra-padwis@pa.gov <ra-padwis@pa.gov> 6 May 2025 at 09:46
To: Micah.Ammerman@veolia.com

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 104 Well No 4 (36).xls	HANNANJ	HANNANJ_91 through HANNANJ_120

[Quoted text hidden]

---

ra-padwis@pa.gov <ra-padwis@pa.gov> 6 May 2025 at 09:47
To: Micah.Ammerman@veolia.com

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 105 Well No 5 (36).xls	HANNANJ	HANNANJ_121 through HANNANJ_150

[Quoted text hidden]

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ra-padwis@pa.gov <ra-padwis@pa.gov> 6 May 2025 at 09:47
To: Micah.Ammerman@veolia.com

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 106 Well No 6 (37).xls	HANNANJ	HANNANJ_151 through HANNANJ_180

[Quoted text hidden]

Ammerman, Micah <micah.ammerman@veolia.com>

Data Added Successfully by HANNANJ

1 message

ra-padwis@pa.gov <ra-padwis@pa.gov> 6 May 2025 at 09:54
To: Micah.Ammerman@veolia.com

HANNANJ successfully added data to DWELR on 05/06/25 at 9:54 AM. Form: SDWA1.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_181	701	040125
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_182	703	040125
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_183	707	040125
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_184	704	040825
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_185	705	040825
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_186	701	041525
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_187	703	041525
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_188	707	041525
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_189	704	042225
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_190	705	042225
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_191	703	042825

Until the 11th of each month, you may obtain a copy of record by accessing the "Printer Friendly Version" of the View and Edit Records screen in DWELR. On or after the 12th of the month, you may view the sample results the Department has on file by accessing the Drinking Water Reporting System at http://www.drinkingwater.state.pa.us/dwrs/HTM/Welcome.html . If you see errors in the results which you submitted and would like to repudiate any of the results or wish to request a copy of record, please contact the PADWIS Section at 717-772-4018.

APPENDIX 3
CUSTOMER SERVICE

MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS

&

HOMESERVE REPORT

DATES: 4/01/2025 THRU 4/30/2025

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE
ACTIVE ACCOUNTS:	2,802	262,773.63	759,822.34	1,022,595.97
DISCONNECTED ACCTS:	15	2,413.39	737.16	3,150.55
FINALED ACCOUNTS:	437	18,551.95		18,551.95
INACTIVE ACCOUNTS:	12,715	0.00		0.00
GRAND TOTALS	15,969	283,738.97	760,559.50	1,044,298.47

ACTIVE ACCOUNT RECONCILIATION	
NEW ACCOUNTS:	15
DISCONNECT--NO TRF:	15
DISCONNECT-TRANSFER:	0

CALCULATION SUMMARY	
TOTAL CHARGES:	760,559.50
DEPOSIT RETURNS:	0.00
TOTAL CURRENT:	760,559.50

====== S E R V I C E C A T E G O R Y T O T A L S ======

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
S SEWER	2740	443,210.70	0.00	0.00	0.00	14365,700.0000		14365,700.0000
SR SURCHARGE	5	0.00	0.00	0.00	0.00			
SR2 SURCHARGE 2	5	0.00	0.00	0.00	0.00			
SR3 SURCHARGE 3	5	0.00	0.00	0.00	0.00			
SR4 SURCHARGE 4	2787	31,418.05	0.00	0.00	0.00			
W WATER	5426	285,930.75	0.00	0.00	0.00	18640,400.0000		18640,400.0000
TOTALS		760,559.50	0.00	0.00	0.00			

========== R E V E N U E C O D E T O T A L S ==========

	R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
SERVICES:			
	200-WTR MDT	687-145900	88,480.82
	203-WTR MDT COMMERCIAL	687-145900	115,976.08
	206-CUSTOMER CHARGE	687-145900	14,738.40
	207-SERVICE CHG / METER	687-145900	58,066.03
	210-WTR ROYAL	687-145900	8,602.50
	220-WTR L SWT	687-145900	66.92
	230-SURCHARGE WATER/SEWER	687-145900	0.00
	231-SURCHARGE WATER/SEWER	687-145900	0.00
	232-SURCHARGE WATER/SEWER	687-145900	0.00
	233-SURCHARGE WATER/SEWER	687-145900	31,418.05
	300-SWR MDT	687-145800	366,203.93
	306-SW CUST CHARGE	687-145800	77,006.77
	310-SWR ROYAL	687-145800	0.00
	320-SWR L SWT	687-145800	0.00
	R/C TOTALS		760,559.50

========== R A T E T A B L E T O T A L S ==========

CAT	CODE	TBL	DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
S	300	LST	SEWER -LWR SW TWP	LST	1	0.00	0.00	0.00	0.00		
S	300	RB	SEWER -ROYALTON	RB	1	0.00	0.00	0.00	0.00		
S	300	SW	SEWER	SW	2738	443,210.70	0.00	0.00	0.00	14,365,700.0000	804
SR	230	SR2	SURCHARGE WATER/SEWE	SR2	5	0.00	0.00	0.00	0.00		
SR2	231	SR2	SURCHARGE WATER/SEWE	SR2	5	0.00	0.00	0.00	0.00		
SR3	232	232	SURCHARGE WATER/SEWE	SR3	5	0.00	0.00	0.00	0.00		
SR4	233	SR4	SURCHARGE WATER/SEWE	SR4	2787	31,418.05	0.00	0.00	0.00		
W	200	C10	COMM 1" MTR	C10	30	4,201.69	0.00	0.00	0.00	277,900.0000	
W	200	C15	COMM 1 1/2" MTR	C15	9	7,587.52	0.00	0.00	0.00	604,300.0000	
W	200	C20	COMM 2" MTR	C20	23	21,087.57	0.00	0.00	0.00	1,682,100.0000	
W	200	C30	COMM 3" MTR	C30	5	9,896.06	0.00	0.00	0.00	802,100.0000	
W	200	C40	COMM 4" MTR	C40	2	125.64	0.00	0.00	0.00	3,000.0000	
W	200	C58	COMM 5/8" MTR	C58	46	4,102.59	0.00	0.00	0.00	242,400.0000	
W	200	C60	COMM 6" MTR	C60	13	60,081.33	0.00	0.00	0.00	4,903,300.0000	
W	200	C75	COMM 3/4" MTR	C75	2	480.43	0.00	0.00	0.00	35,300.0000	
W	200	C80	COMM 8" MTR	C80	4	12,779.08	0.00	0.00	0.00	1,034,400.0000	
W	200	COM	COMPOUND WATER N/C	COM	9	0.00	0.00	0.00	0.00		
W	200	LS8	LOWER SWAT 8" MTR	LS8	1	66.92	0.00	0.00	0.00	100.0000	
W	200	NCW	NO CHG	NCW	25	0.00	0.00	0.00	0.00	47,100.0000	
W	200	R10	RESID 1" MTR	R10	74	4,425.65	0.00	0.00	0.00	194,700.0000	
W	200	R58	RESID - 5/8'" MTR	R58	2554	148,746.96	0.00	0.00	0.00	6,824,200.0000	
W	200	R60	RESID 6" MTR	R60	1	3,257.04	0.00	0.00	0.00	264,400.0000	
W	200	R75	RESID 3/4" MTR	R75	5	359.52	0.00	0.00	0.00	18,700.0000	
W	200	RB6	ROYALTON BOR 6" MTR	RB6	2	8,602.50	0.00	0.00	0.00	1,706,400.0000	
W	210	A1V	FLAT RATE WATER -VAR	A1V	2	130.25	0.00	0.00	0.00		
W	220	MC	WATER METER CHARGE -	MC	2619	0.00	0.00	0.00	0.00		
			TOTALS			760,559.50	0.00	0.00	0.00		

========== M E T E R G R O U P T O T A L S ==========

CODE	DESCRIPTION	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION	DEMAND CONSUMPTION
W	WATER	18,640,400.0000	0.000	18,640,400.0000	

====== R E F U N D E D D E P O S I T T O T A L S ====

CODE	DESCRIPTION	NUMBER	AMOUNT
	DEPOSIT TOTALS	0	0.00

PERIOD: 4/01/2025 THRU 4/30/2025
ZONE: * - All Zones
REVENUE CODE: All
ADJUSTMENT CODES:

DAILY DISTRIBUTION

TYPE	DAY	COUNT	AMOUNT
	28	16	3,389.92CR
	30	10	3,268.89CR
		IVR PAYMENT TOTAL	112,560.51CR
LATE CHARGE	25	491	7,677.01
		LATE TOTAL	7,677.01
PAYMENT	01	20	5,039.00CR
	02	40	5,769.22CR
	03	40	11,016.40CR
	04	45	7,127.68CR
	07	141	24,355.40CR
	08	109	90,729.17CR
	09	89	14,356.17CR
	10	36	10,263.34CR
	11	93	22,981.19CR
	14	152	56,087.81CR
	15	105	60,172.61CR
	16	203	182,031.58CR
	17	106	47,488.45CR
	18	15	3,507.73CR
	21	53	30,538.79CR
	22	55	28,913.01CR
	23	12	2,322.37CR
	24	24	3,812.20CR
	25	29	5,246.19CR
	28	5	1,368.73CR
	29	16	2,697.69CR
	30	16	3,440.46CR
		PAYMENT TOTAL	619,265.19CR
DRAFT	15	449	77,400.49CR
	21	20	7,486.48CR
		DRAFT TOTAL	84,886.97CR
WEB PAYMENT	01	13	2,609.47CR
	02	15	2,815.31CR
	04	7	1,346.13CR
	07	24	5,609.24CR
	08	9	1,681.18CR
	10	12	2,853.42CR
	11	42	10,638.28CR
	14	28	4,099.99CR
	16	10	2,075.75CR

- Late Total (Previous Page)
+ Adjustment +/- Total = Other Revenue
$20,916.58

PERIOD: 4/01/2025 THRU 4/30/2025
ZONE: * - All Zones
REVENUE CODE: All
ADJUSTMENT CODES:

D A I L Y D I S T R I B U T I O N

TYPE	DAY	COUNT	AMOUNT
ADJUSTMENT	02	2	24.76CR
	03	2	2,790.00
	04	3	109.55CR
	07	2	322.83CR
	09	1	50.00
	11	2	5,580.00
	15	2	22.37CR
	16	1	20.00
	21	5	5,641.19
	22	1	20.00
	24	1	0.00
	25	115	214.82CR
	28	7	201.89CR
	29	1	15.40CR
	30	1	50.00
	ADJUSTMENT TOTAL		13,239.57
BILL	03	1	16.11
	10	1	78.38
	11	6	77.97CR
	14	2	181.21
	15	2	43.62
	16	1	57.40
	21	1	187.93
	23	2	120.28
	24	2	11.87CR
	25	2,803	759,673.04
	28	3	326.97
	29	2	0.00
	30	5	35.60CR
	BILL TOTAL		760,559.50
IVR PAYMENT	01	18	3,173.68CR
	02	28	6,396.57CR
	03	22	5,513.27CR
	04	40	8,814.36CR
	07	19	3,655.45CR
	08	24	5,414.28CR
	09	38	7,973.04CR
	11	84	18,726.86CR
	15	40	7,095.65CR
	16	108	20,705.41CR
	21	32	6,341.64CR
	23	13	2,292.89CR
	24	15	2,693.47CR
	25	44	7,105.13CR

-see next page

PERIOD: 4/01/2025 THRU 4/30/2025
ZONE: * - All Zones
REVENUE CODE: All
ADJUSTMENT CODES:

DAILY DISTRIBUTION

TYPE	DAY	COUNT	AMOUNT
	17	7	1,475.96CR
	21	24	4,362.84CR
	22	6	1,236.64CR
	23	1	124.26CR
	24	10	1,547.72CR
	25	6	1,373.10CR
	28	3	888.72CR
	29	9	1,247.47CR
	30	9	3,396.02CR
		WEB PAYMENT TOTAL	49,381.50CR
REVERSE-PAY	15	1	651.59
	16	1	253.48
	21	54	22,571.12
	22	1	190.09
		REVERSE PAY TOTAL	23,666.28
TEXT PAYMENT	04	1	144.04CR
	15	2	323.68CR
		TXT PAYMENT TOTAL	467.72CR
		GRAND TOTAL FOR PERIOD	61,419.53CR

Total Collected (IVR, Web, Office, Text and draft)

Minus Paymenterror of $22,156.12

= $844,405.77

*** SERVICE CODE TOTALS ***

SERVICE/TBL	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL AMOUNT
TOTAL:	2,781	0	0			
233-SR4	2,787	0	0			$ 31,418.05
TOTAL:	2,787	0	0			$ 31,418.05
300-LST	1	0	0			
300-RB	1	0	0			
300-SW	2,738	14,365,700	14,365,700			$ 443,210.70
TOTAL:	2,740	14,365,700	14,365,700			$ 443,210.70

*** SERVICE CATEGORY TOTALS ***

SERV CATG	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL AMOUNT
S	2,740	14,365,700	14,365,700			$ 443,210.70
SR	2,660	0	0			
SR2	2,743	0	0			
SR3	2,781	0	0			
SR4	2,787	0	0			$ 31,418.05
W	5,426	18,640,400	18,640,400			$ 285,930.75

========== REPORT TOTALS ==========

==== REVENUE CODE TOTALS ====

REVENUE CODE:	--CURRENT--	+1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	--BALANCE--
081-NSF CK FEE	0.00	40.00	0.00	0.00	0.00	40.00
200-WTR MDT	87614.69	16971.68	16092.81	1115.81	4137.85	125932.84
201-WATER TURN ON	0.00	31.72	31.16	12.95	44.17	120.00
203-WTR MDT COMMERCIAL	116036.87	1390.75	1692.73	0.00	105.11	119225.46
206-CUSTOMER CHARGE	14384.56	2479.00	1059.89	204.17	2519.91	20647.53
207-SERVICE CHG / METER	56546.86	9756.57	4102.04	791.32	9777.20	80973.99
210-WTR ROYAL	8602.50	0.00	0.00	0.00	0.00	8602.50
220-WTR L SWT	66.92	0.00	0.00	0.00	0.00	66.92
230-SURCHARGE WATER/SEWER	16.28	5.86	5.75	5.75	1137.15	1170.79
231-SURCHARGE WATER/SEWER	9.79CR	21.22	21.16	21.16	1490.02	1543.77
232-SURCHARGE WATER/SEWER	6.05CR	215.51	1181.38	36.03	292.49	1719.36
233-SURCHARGE WATER/SEWER	30199.52	1360.35	454.81	37.29	39.19	32091.16
275-WTR PEN	319.92CR	2232.31	915.86	102.68	1009.28	3940.21
300-SWR MDT	362148.69	39738.19	36627.06	2217.73	8165.87	448897.54
306-SW CUST CHARGE	74912.47	13381.42	5767.29	1225.63	28060.79	123347.60
320-SWR L SWT	0.00	64314.55	0.00	0.00	0.00	64314.55
375-SWR PEN	469.29CR	3701.49	1572.99	164.46	2419.12	7388.77
996-UNAPPLIED	19755.81CR	0.00	0.00	0.00	0.00	19755.81CR
999-REFUND	2408.50CR	0.00	0.00	0.00	0.00	2408.50CR
TOTALS	727560.00	155640.62	69524.93	5934.98	59198.15	1017858.68

TOTAL REVENUE CODES: 1,017,858.68
TOTAL ACCOUNT BALANCE: 1,017,858.68
DIFFERENCE: 0.00

ACTION		ISSUED THIS PERIOD ISSUED	ISSUED THIS PERIOD COMPLETED	ISSUED THIS PERIOD VOIDED	ISSUED THIS PERIOD OUTSTANDING	PRIOR ORDERS COMPLETED	PRIOR ORDERS VOIDED	PRIOR ORDERS OUTSTANDING	TOTAL COMPLETED	TOTAL OUTSTANDING
C	CONNECT	1	1	0	0	261	4	0	262	0
D	DISCONNECT	0	0	0	0	46	4	0	46	0
F	CUTOFF	0	0	0	0	3	3	0	3	0
I	METER INFO	61	59	2	0	4,849	122	0	4,908	0
M	METER CHANGE	7	7	0	0	1,310	9	0	1,317	0
O	OCC CHANGE	16	16	0	0	1,788	3	0	1,804	0
R	REINSTATE	0	0	0	0	2	2	0	2	0
S	SERV CHANGE	0	0	0	0	34	0	0	34	0
X	MISC	2	2	0	0	850	26	0	852	0
**	GRAND TOTALS **	87	85	2	0	9,143	173	0	9,228	0

ZONE: < All Zones >
SORT: ACCOUNT
GROUP: * - All Groups

METER NO#	ACCOUNT NO#	NAME	ADDRESS	MXU TYPE	MXU ID
W 14171081	INVENTORY				1575710212
W 16167041	INVENTORY				1573565336
W 161607079	INVENTORY				1573584092
W 16393024	INVENTORY				1575721430
W 16393010	INVENTORY				1579332024

*** TOTAL METERS IN SERVICE 2817
*** TOTAL METERS IN INVENTORY 1353

APRIL 2025 CUSTOMER SERVICE CALLS

VEOLIA MIDDLETOWN

Date	How Contact Was Received			Customer Service Inquiries															Field Service Requests					Field Request Info
	Call direct to Middletown CS	Customer Correspondance (Letters/E mails)	TOTALS	Calls for Other Ops	Calls from City / Other Org	AppleTree Hold Call	General Acct. Info	Copy Of Bill	Correct Bills	Bill Inquiry	Rates	Payment	Collection Letter	New Account	Finals	Meter Reading/Re-Reads	Service Complaints	C S Thank Yous	Sewer Back up or SSO	Water Leaks	Broke, Froze, Leaking Meter	No Water/Low Pressure	Water Quality	
April 1st, 2025	30	2	32	3			3			15			6	2	1									
April 2nd, 2025	23	3	26	1			1			16			5											
April 3rd, 2025	26	3	29				6			13			2	3	2									
April 4th, 2025	35	6	41	2			10			20			3											
April 7th, 2025	29	3	32	1			3			10			15											
April 8th, 2025	28	2	30	1			5			9	1		9		3									
April 9th, 2025	40	4	44				12			16			10	2										
April 10th, 2025	31	5	36	2			8			13			6	1	1									
April 11th, 2025	26	5	31	1			11	2		12														
April 14th, 2025	26	2	28	2			13	1		10														
April 15th, 2025	30	2	32				14			14					2									
April 16th, 2025	23	5	28	3			9	1		10														
April 17th, 2025	20	1	21	1			10			9														
April 21st, 2025	28	4	32				11			13				2	2									
April 22nd, 2025	20	2	22	2			8			10														
April 23rd, 2025	22	2	24	1			9			11					1									
April 24th, 2025	18	1	19				7	1		7			3											
April 25th, 2025	20	3	23	1			7			8			4											
April 28th, 2025	16	3	19				6			10														
April 29th, 2025	15	1	16				5	1		7			2											
April 30th, 2025	15	1	16	2			3			8			1		1									
GRAND TOTALS	**521**	**60**	**581**	***23***	***0***	***0***	***161***	***6***	***0***	***241***	***1***	***0***	***66***	***10***	***13***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	***0***	

2025 MIDDLETOWN COLLECTION INFORMATION

	Bill Due Date	Date 10 Day Notice Issued	Number of 10 Day Notices issued for Balances over $50.00	Date 3 Day Notices Posted	Number of 3 Day Notices for Balances over $100.00	Shut offs
January Bill Cycle	2/18/2025	2/20/2025	291	3/10/2025	90	3 SHUT OFFS(2 OCCUPIED, 1 VACANT)
February Bill Cycle	3/17/2025	3/20/2025	216	4/7/2025	102	2 SHUT OFFS (2 VACANT)
March Bill Cycle	4/15/2025	4/21/2025	216	5/5/2025	96	3 Shut offs(2 Vacant, 1 Occupied)
April Bill Cycle						
May Bill Cycle						
June Bill Cycle						
July Bill Cycle						
August Bill Cycle						
September Bill Cycle						
October Bill Cycle						
November Bill Cycle						
December Bill Cycle						

Partner Reporting Dashboard

Back to Partner Select Page

SUEZ (Middletown)

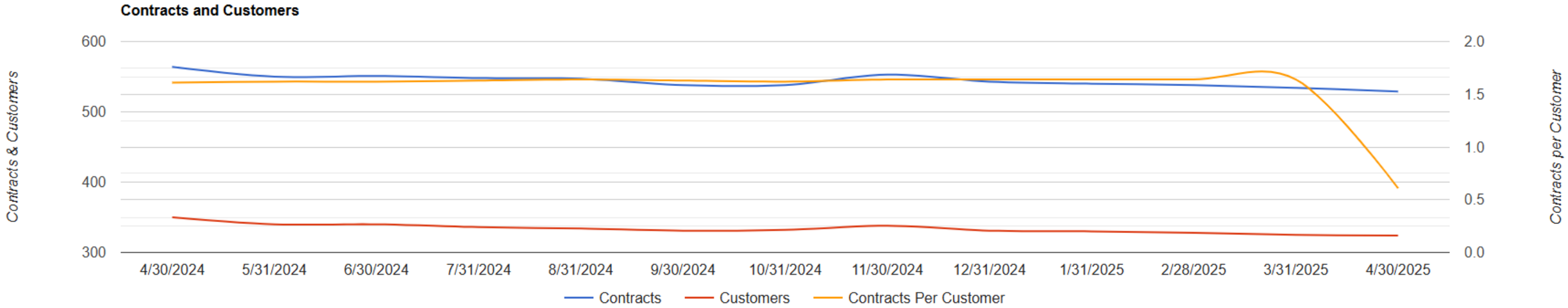
Date Start

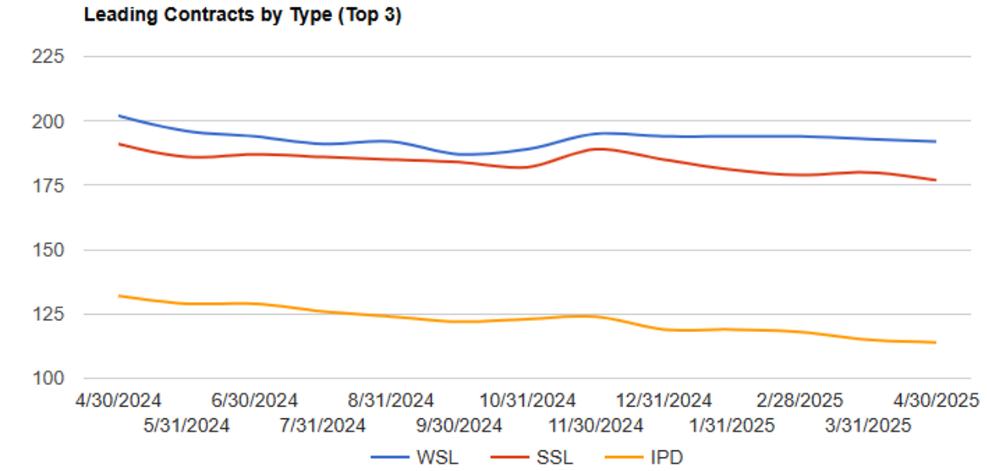
2024-04-30

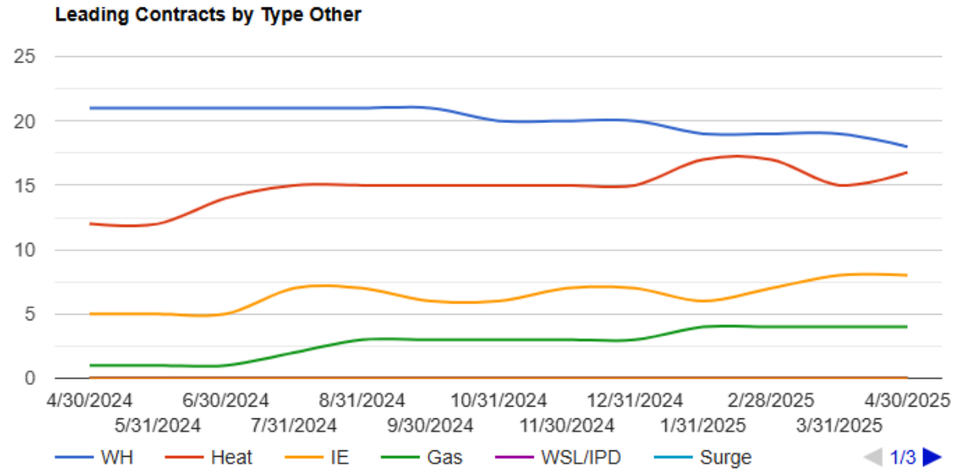
Date End

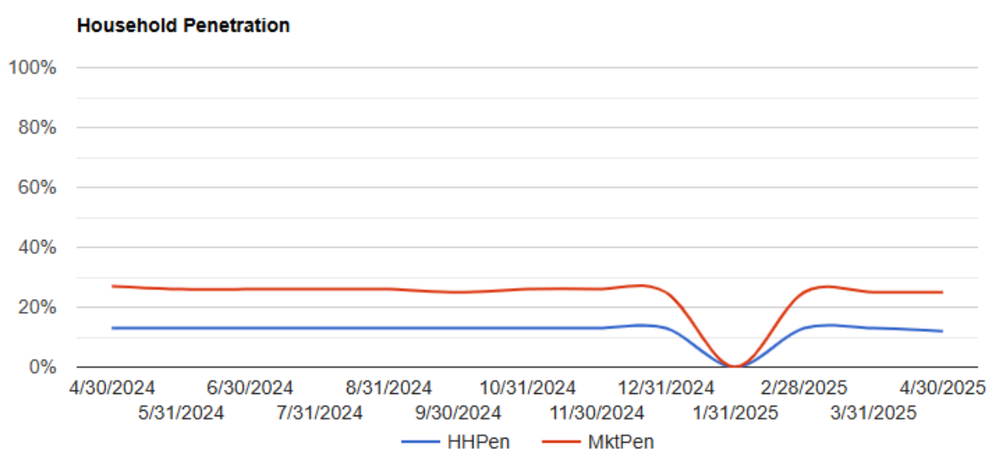
2025-04-30

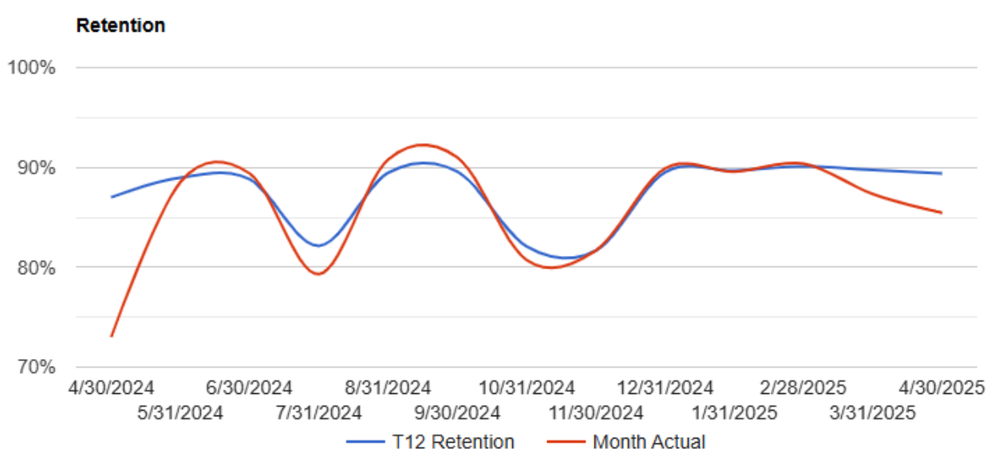
Filter



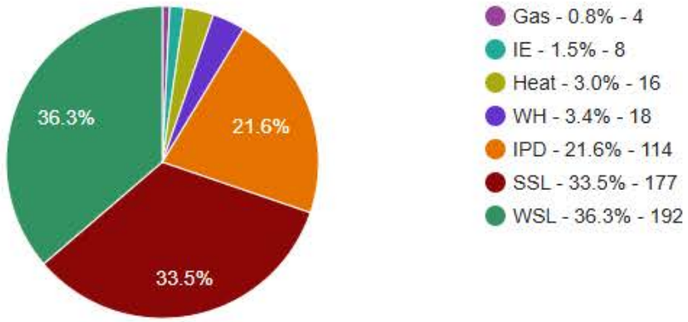

Leading Contracts by Type (Top 3)
225
200
175
150
125
100
4/30/2024
5/31/2024
6/30/2024
7/31/2024
8/31/2024
9/30/2024
10/31/2024
11/30/2024
12/31/2024
1/31/2025
2/28/2025
3/31/2025
4/30/2025
WSL
SSL
IPD


Leading Contracts by Type Other
25
20
15
10
5
0
4/30/2024
5/31/2024
6/30/2024
7/31/2024
8/31/2024
9/30/2024
10/31/2024
11/30/2024
12/31/2024
1/31/2025
2/28/2025
3/31/2025
4/30/2025
WH
Heat
IE
Gas
WSL/IPD
Surge
1/3


Household Penetration
100%
80%
60%
40%
20%
0%
4/30/2024
5/31/2024
6/30/2024
7/31/2024
8/31/2024
9/30/2024
10/31/2024
11/30/2024
12/31/2024
1/31/2025
2/28/2025
3/31/2025
4/30/2025
HHPen
MktPen

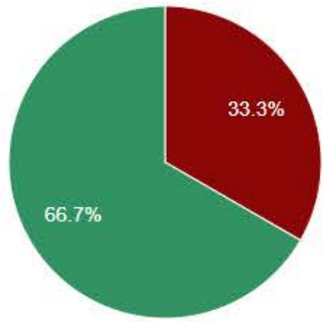

Retention
100%
90%
80%
70%
4/30/2024
5/31/2024
6/30/2024
7/31/2024
8/31/2024
9/30/2024
10/31/2024
11/30/2024
12/31/2024
1/31/2025
2/28/2025
3/31/2025
4/30/2025
T12 Retention
Month Actual

Contracts by Product Type



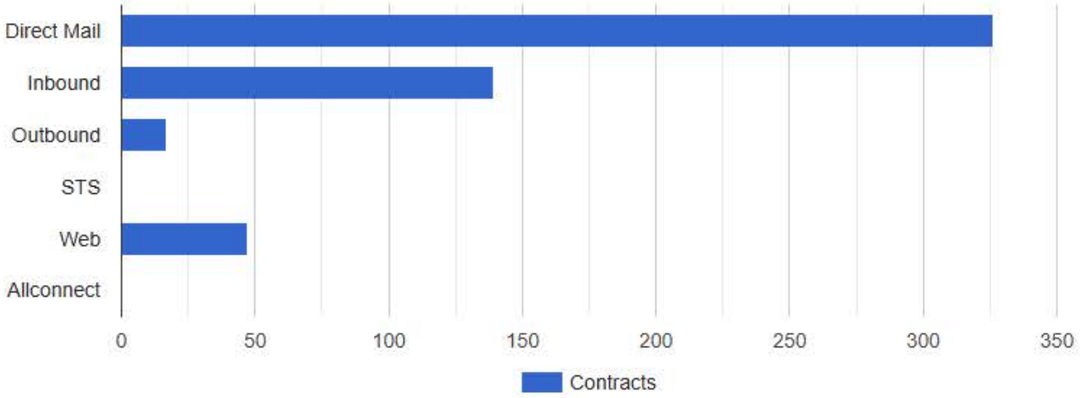
- Gas - 0.8% - 4
- IE - 1.5% - 8
- Heat - 3.0% - 16
- WH - 3.4% - 18
- IPD - 21.6% - 114
- SSL - 33.5% - 177
- WSL - 36.3% - 192

Contracts by Type - Last 30 Days

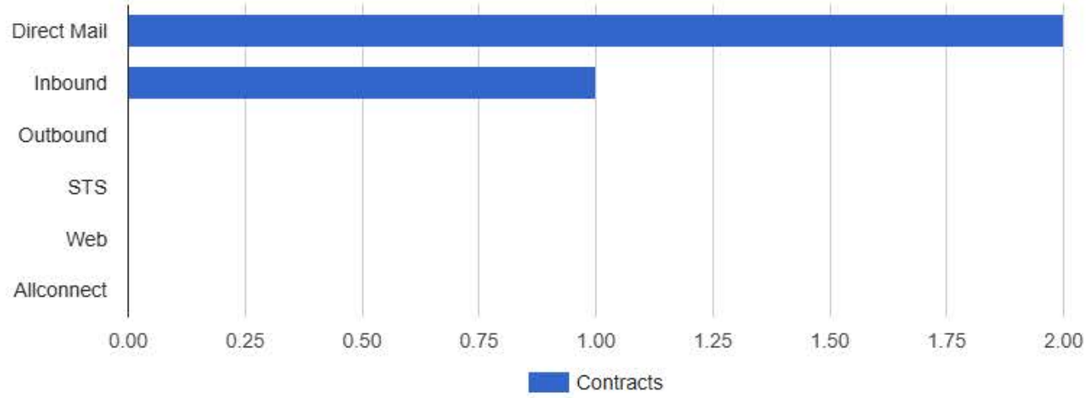


- SSL - 33.3% - 1
- WSL - 66.7% - 2

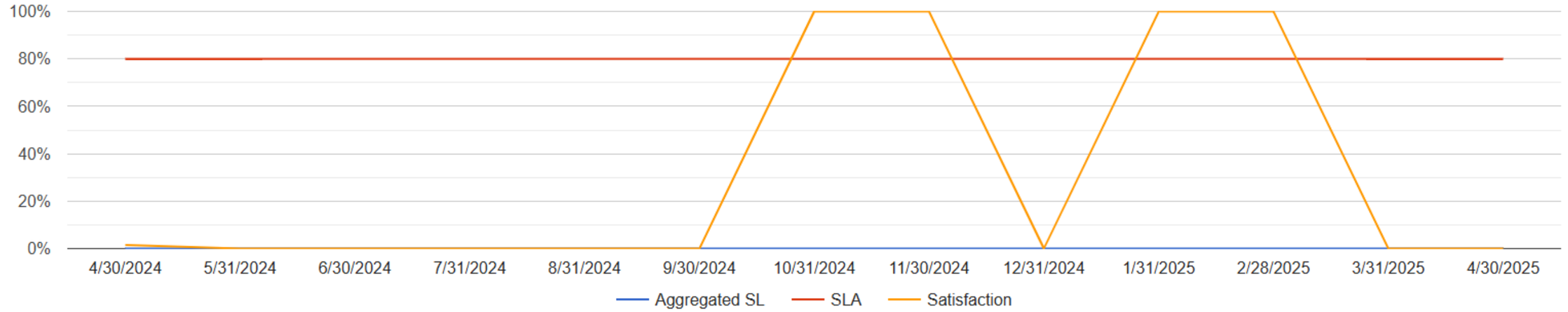
Contracts by Channel



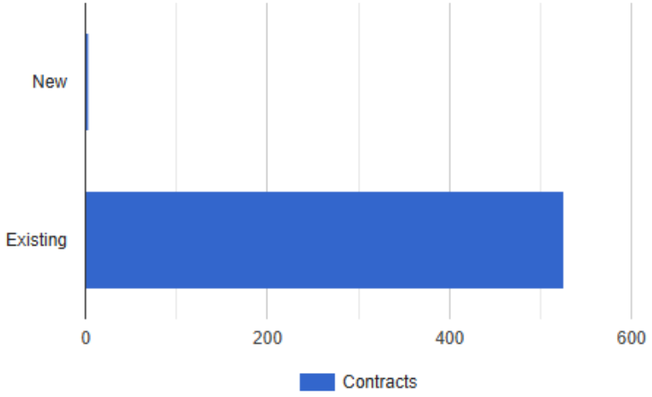
Contracts by Channel - Last 30 Days



Service Levels And Satisfaction

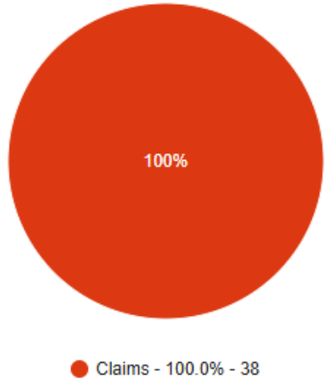


New v. Existing

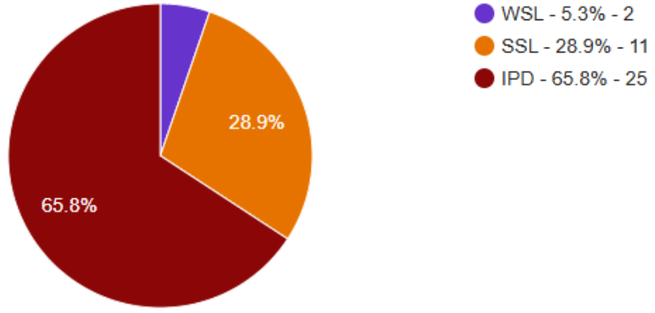


Rolling Complaints by Type

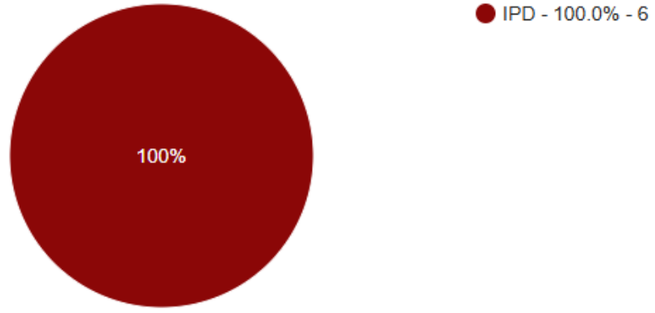
Complaints vs Claims



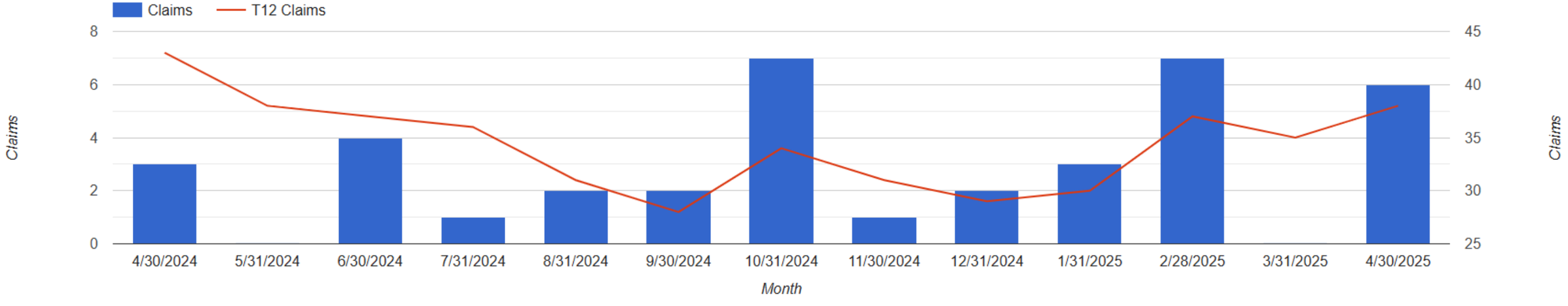
T12 Month Claims by Type



T1 Month Claims by Type



Claims History



APPENDIX 4

WATER MAIN LEAK LOGS

APPENDIX 5

QUARTERLY METER TEST AND CALIBRATION REPORTS

PACKING SLIP

Tri-Star Inc.
300 Vine Street
Middletown, PA 17057
office@tri-star-inc.net
+1 (717) 944-1234
tri-star-inc.net

Bill to

VEOLIA/ MIDDLETOWN WATER
453 S. LAWRENCE STREET
MIDDLETOWN, PA 17057

Invoice details

Invoice: 1834

Date: 05/06/2025

Attn

PETE VETTER/CHRIS HANNAN

Reference

SITE #60077 PO #1000482519

DATE	SERVICE	DESCRIPTION	QTY
04/24/2025	Preventive Services	FOR THE Q2 PREVENTIVE SERVICE VISIT ON 04/07 & 04/24/25. COPY OF SERVICE REPORT ENCLOSED.	1

Tri-Star Inc.

Instrumentation - Control - SCADA

INVOICE NO:	1834	**ORDER NO:**	1000482519	**ES:**	**RS:** 12
CONTRACT NO:		**JOB NO:**		☐ **COMP.** ☐ **INC.**	
CUSTOMER:	VEOLIA/MIDDLETOWN WATER & SEWER			**Mileage:**	60
REPRESENTATIVE:	LOGAN PETERS				
DATE:	Q2 - 04/07/25, 04/24/25				

DESCRIPTION: **TITLE:** **QUARTERLY PREVENTIVE SERVICE**

REPORT FOR THE QUARTERLY PREVENTIVE & CALIBRATION SERVICE ON EQUIPMENT LISTED ON ATTACHED "LIST OF COVERED EQUIPMENT" CHECKLISTS. ALL HAVE BEEN INSPECTED & CALIBRATED AS REQUIRED. SEE BELOW FOR NOTES IN REFERENCE TO NOTE #'S ON CHECKLIST.

NOTE # COMMENTS:

1. ZEROED METER.
2. PARTIALLY REPLACED TUBING. CUSTOMER CLEANED.
3. PERMANENTLY OUT OF SERVICE.
4. SITE WAS SHUT DOWN FOR WORK ON THE TANK.
5. NOT BEING USED.
6. INACCURRATE READING WILL OCCUR WHEN FLOW RATE GOES ABOVE "V" NOTCH'S. CUSTOMER IS IN PROGRESS OF LOOKING INTO A REPLACEMENT WEIR.

DUE BY DATE: 07/31/25

CALIBRATION UNITS USED: PLC TOOLS SIM-ALP2, S/N 35333, TRACEABLE M/N 3461 MANOMETER, S/N 221965517, STICK RULER & ISCO FLOW TABLE BOOK

TRI-STAR, INC.

REV. 12 10/24

MIDDLETOWN WATER AND SEWER
LIST OF COVERED EQUIPMENT
DATE - APR '25 Q2 VISIT
QUARTERLY

LEGEND: X = CHECKED OK
= REF. SERVICE REPORT

CHECKED BY LOGAN PETERS
SERVICE TECH
AUDIT TINA BAUMBACH
DATE: 05/05/25

NOTE #	ISO	CO. #	LOCATION	MFG.	SERIAL NO.	MODEL NO.	RANGE	MFG./CAL. PROC. #	ACCURACY
			WELL # 1						
#1			FLOW	TOSHIBA	19620A525	LF620F/GF6300	0-1500 GPM		
X			LEVEL- 215' (93.11PSI)	ENDRESS & HAUSER	S600B115128	PMC51	SCALER 215'		
X			RTU PANEL						
			WELL # 2						
X			FLOW	ROSEMOUNT	1638038	1151 SMART	0-350 GPM (0-72.38")		
X			LEVEL- 308' (133.4 PSI)	ENDRESS & HAUSER	92000615020	PMC41-RC11P6A21N1	SCALER 346'		
X			RTU PANEL						
			WELL #1&2 CHEM BLDG						
#2			CL2 ANALYZER	HACH	182070018902	CL17			
			WELL # 3						
#3			FLOW	TOSHIBA	17620A358	LF620F/GF6300	0-100 GPM		
#3			LEVEL- 304' (131.7PSI)	ENDRESS & HAUSER	92000515020	PMC41-RC11P6A21N1	SCALER 346'		
#3			RTU PANEL						
			WELL # 4						
X			FLOW	TOSHIBA	17620A177	LF620/GF630	0-200 GPM 4" MAG		
X			LEVEL- 390'	SIGMA	2302082-01	5000MP-300-1-DS-410	SCALER 400'		
X			RTU PANEL						
			TURNPIKE TANK						
X			LEVEL-0-50 FT	ROSEMOUNT	24SHPJ0249079	2088	3-50 FT		
			WELL # 5						
#1			FLOW	TOSHIBA	17620A704	LF620F/GF6300	0-300 GPM		
X			LEVEL- 290'	SIGMA	2105468-01	5000MP	SCALER 300'		
X			RTU PANEL						

TRI-STAR, INC.

REV. 12 10/24

MIDDLETOWN WATER AND SEWER
LIST OF COVERED EQUIPMENT
DATE APR '25 Q2 VISIT
QUARTERLY

LEGEND: X = CHECKED OK
= REF. SERVICE REPORT

CHECKED BY LOGAN PETERS

NOTE #	ISO	CO. #	LOCATION	MFG.	SERIAL NO.	MODEL NO.	RANGE	MFG./CAL. PROC. #	ACCURACY
			WELL # 6						
X			FLOW	PRECISION DGTL	2006-0336315	PD6000-6R0	0-1500 GPM (4/20)		
X			LEVEL- 220'	SIGMA	2105468-02	5000MP-100-1-DS-230	0-220'		
X			LEVEL INDICATOR	PRECISION DGTL	0912-0002082	PD6000-6R3	0-220' OUTPUT 0-220'		
			WELL #6 TREATMENT						
X			FLOW (WELL)	SENSUS	1104A-S-66123D	ACTPAK	0-1600 GPM		
#1			FLOW (FINISHED WATER)	TOSHIBA	20620A389	LF620F/GF6300	0-1000 GPM		
X			SUMP LEVEL	DREXELBROOK	28223	408-8200	SCALER 480"		
X			RTU PANEL						
			BOOSTER PUMP STA.						
X			FLOW	ROSEMOUNT	1638037	1151 SMART	0-400 GPM (0-27.86")		
X			RTU PANEL						
			HIGH ST. TANK						
X			LEVEL	ROSEMOUNT		1151			
X			RTU PANEL						
			UNION STAND PIPE						
#4			LEVEL	ROSEMOUNT	1655785	1151 SMART	5'-105' (4/20)		
#4			RTU PANEL						
X			**WWTP OFFICE**	MAIN SCADA					

TRI-STAR, INC.

REV. 12 10/24

MIDDLETOWN WATER AND SEWER
LIST OF COVERED EQUIPMENT
DATE APR '25 Q2 VISIT
QUARTERLY

LEGEND: X = CHECKED OK
= REF. SERVICE REPORT

CHECKED BY LOGAN PETERS

NOTE #	ISO	CO. #	LOCATION	MFG.	SERIAL NO.	MODEL NO.	RANGE	MFG./CAL. PROC. #	ACCURACY
			WWTP						
X			PLANT EFFLUENT	ENDRESS & HAUSER	L90068150E6	FMU90	1585.2 GPM, 90° V-NOTCH WEIR		
#5			EFFLUENT RECORDER	HONEYWELL	0419Y463013300001	DR45A2	0-3750 GPM		
#6			PLANT INFLUENT	ENDRESS & HAUSER	D8005C150E6	FMU90	12382 GPM, CUSTOMV-NOTCH WEIR		

TRI-STAR INC.
300 VINE STREET
MIDDLETOWN, PA 17057

CERTIFICATE OF CALIBRATION

TO VEOLIA-MIDDLETOWN WATER
453 S. LAWRENCE STREET
MIDDLETOWN, PA 1705

Reference to TRI-STAR Job number SERVICE REPORT DATED Q2 04/07/25 & 04/24/25 FOR THE QUARTERLY PREVENTIVE SERVICE VISIT AT THE WATER PLANT SITES.

TRI-STAR's calibration instrument M/N THERMOWORKS VA710 S/N 62407009869
THERMO ELECTRIC M/N 311800001 S/N 60110A-3-1, TRACEABLE M/N 3461, S/N 221965517

is traceable to the National Institute Standards Technology

Certified by PRECISE TECHNICAL SOLUTIONS, LLC

Report No. 268690, 270743 Date 02/18/25, 03/24/25

Code Ref: NONE

Next Certificate of Calibration due: JULY 31, 2025

Approved for TRI-STAR Inc.

by LOGAN PETERS

title SERVICE TECH

date May 6, 2025

Logan Peters/ltr
Authorized Signature

PRECISE
TECHNICAL SOLUTIONS LLC
A woman owned business!

Calibration Certificate

Calibration Certificate No.: 268690

7839 Allentown Blvd., Suite 300
Harrisburg, PA 17112
Phone 1-855-872-3166 Fax 717-545-5077
www.PreciseCalibrations.com

Customer Name:
TRI-STAR, INC
300 VINE STREET

MIDDLETOWN, PA 17057

Instrument ID: 60110A-3-1-1634

Manufacturer:	THERMO ELECTRIC	Procedure:	QI-114
Model Number:	311800001	Calibration Location:	IN HOUSE
Serial Number:	60110A3-1	Received Condition:	IN TOLERANCE
Description:	THERMOCOUPLE CALIBRATOR	Returned Condition:	IN TOLERANCE
Department:	MAIN (1634)	Interval:	12 MONTHS
Location:	N/A	Date Received:	05-Feb-25
Temperature:	70.8 °F	Date Calibrated:	05-Feb-25
Humidity:	34 %	Date Due:	05-Feb-26
Accuracy:	SEE CALIBRATION DATA SHEET	Technician:	CTURNER

This instrument has been calibrated in accordance with the Precise Technical Solution's quality system. The standards used in this testing are traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST). This report may not be reproduced, except in full, without the written approval of Precise Technical Solutions LLC.

Remarks

None.

J Baumbach 2-18-25

Reference Standards

Reference Standard	Manufacturer	Model	Traceability No.	Cal. Due Date
PTS-317	AGILENT	34401A	252733	30-Apr-25
PTS-537	FLUKE	5560A	238404	30-Jun-25

PRECISE
TECHNICAL SOLUTIONS LLC
A woman owned business!

7839 Allentown Blvd., Suite 300
Harrisburg, PA 17112
Phone 1-855-872-3166 Fax 717-545-5077
www.PreciseCalibrations.com

Calibration Certificate

Calibration Certificate No.: 268690

Customer Name:
TRI-STAR, INC
300 VINE STREET

MIDDLETOWN, PA 17057

Instrument ID: 60110A-3-1-1634

Calibration Data

Description	Standard	Units	Tolerance -	Tolerance +	As Found	P/F	As Left	P/F	Deviation
Thermocouple input 1 K-type	50.000	°C	49.500	50.500	49.6	P	49.6	P	-0.400
	100.000	°C	99.500	100.500	99.7	P	99.7	P	-0.300
	150.000	°C	149.500	150.500	149.6	P	149.6	P	-0.400
	200.000	°C	199.500	200.500	199.5	P	199.5	P	-0.500
Thermocouple input 2 K-type	50.000	°C	49.500	50.500	50.1	P	50.1	P	0.100
	100.000	°C	99.500	100.500	100.1	P	100.1	P	0.100
	150.000	°C	149.500	150.500	150.1	P	150.1	P	0.100
	200.000	°C	199.500	200.500	200.0	P	200.0	P	0.000
D.C Voltage input	2.000	V	1.500	2.500	2.00	P	2.00	P	0.000
	4.000	V	3.500	4.500	4.00	P	4.00	P	0.000
	6.000	V	5.500	6.500	6.00	P	6.00	P	0.000
	8.000	V	7.500	8.500	8.00	P	8.00	P	0.000
	10.000	V	9.500	10.500	10.00	P	10.00	P	0.000
D.C mA input	10.000	mA	9.200	10.800	10.01	P	10.01	P	0.010
	20.000	mA	19.200	20.800	20.03	P	20.03	P	0.030
	30.000	mA	29.200	30.800	30.04	P	30.04	P	0.040
	40.000	mA	39.200	40.800	40.06	P	40.06	P	0.060
	50.000	mA	49.200	50.800	50.07	P	50.07	P	0.070
3 Wire RTD input	10.000	°C	9.600	10.400	10.10	P	10.10	P	0.100
	50.000	°C	49.600	50.400	50.20	P	50.20	P	0.200
	100.000	°C	99.600	100.400	100.30	P	100.30	P	0.300
4 Wire RTD input	10.000	°C	9.600	10.400	10.00	P	10.00	P	0.000
	50.000	°C	49.600	50.400	50.20	P	50.20	P	0.200
	100.000	°C	99.600	100.400	99.80	P	99.80	P	-0.200
RTD output module 0°C@100Ohms	100.000	Ohms	99.900	100.100	100.01	P	100.01	P	0.010
51.565°C @ 120Ohms	120.000	Ohms	119.900	120.100	119.99	P	119.99	P	-0.010
103.943°C @ 140Ohms	140.000	Ohms	139.900	140.100	139.96	P	139.96	P	-0.040

PRECISE
TECHNICAL SOLUTIONS LLC
A woman owned business!

Calibration Certificate

7839 Allentown Blvd., Suite 300
Harrisburg, PA 17112
Phone 1-855-872-3166 Fax 717-545-5077
www.PreciseCalibrations.com

Calibration Certificate No.: 268690

Customer Name:
TRI-STAR, INC
300 VINE STREET

MIDDLETOWN, PA 17057

Instrument ID: 60110A-3-1-1634

Approved By:

Cturner
CALIBRATION TECHNICIAN

05-Feb-25 12:45 PM

End of Report

PRECISE
TECHNICAL SOLUTIONS LLC
A woman owned business!

Calibration Certificate

Calibration Certificate No.: 270743

7839 Allentown Blvd., Suite 300
Harrisburg, PA 17112
Phone 1-855-872-3166 Fax 717-545-5077
www.PreciseCalibrations.com

Customer Name:
TRI-STAR, INC
300 VINE STREET

MIDDLETOWN, PA 17057

Instrument ID: 221965517

Manufacturer:	TRACEABLE	Procedure:	QI-101
Model Number:	98766-98	Calibration Location:	IN HOUSE
Serial Number:	221965517	Received Condition:	IN TOLERANCE
Description:	MANOMETER	Returned Condition:	IN TOLERANCE
Department:	MAIN (1634)	Interval:	12 MONTHS
Location:	N/A	Date Received:	10-Mar-25
Temperature:	70.8 °F	Date Calibrated:	12-Mar-25
Humidity:	34 %	Date Due:	12-Mar-26
Accuracy:	SEE CALIBRATION DATA SHEET	Technician:	CTURNER

This instrument has been calibrated in accordance with the Precise Technical Solution's quality system. The standards used in this testing are traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST). This report may not be reproduced, except in full, without the written approval of Precise Technical Solutions LLC.

Remarks

None.

J. Baumbach 3/24/25

Reference Standards

Reference Standard	Manufacturer	Model	Traceability No.	Cal. Due Date
PTS-412	FLUKE	6270A	248812	31-Dec-25

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7839 Allentown Blvd., Suite 300
Harrisburg, PA 17112
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Calibration Certificate

Calibration Certificate No.: 270743

Customer Name:
TRI-STAR, INC
300 VINE STREET

MIDDLETOWN, PA 17057

Instrument ID: 221965517

Calibration Data

Description	Standard	Units	Tolerance -	Tolerance +	As Found	P/F	As Left	P/F	Deviation
Pressure	-15.000	psi	-15.050	-14.950	-14.98	P	-14.98	P	0.020
	-10.000	psi	-10.050	-9.950	-9.99	P	-9.99	P	0.010
	-5.000	psi	-5.050	-4.950	-5.02	P	-5.02	P	-0.020
	0.000	psi	-0.050	0.050	0.00	P	0.00	P	0.000
	5.000	psi	4.950	5.050	4.98	P	4.98	P	-0.020
	10.000	psi	9.950	10.050	10.01	P	10.01	P	0.010
	15.000	psi	14.950	15.050	15.02	P	15.02	P	0.020

Approved By:

Cturner
CALIBRATION TECHNICIAN

12-Mar-25 11:16 AM

End of Report

TECH: Logan Peters
DATE: 3/28/25
AUDIT: J Baumbach
DATE: 3/31/25

MONTHLY TEST METER CALIBRATION

TESTED AGAINST
SHOP STANDARD
THERMOELECTRIC ULTRAMITE

A: THERMOWORKS VA710 S/N 62407009869 SEE REVERSE SIDE OF SHEET
B: THERMOWORKS VA720 S/N 62302013791 SEE REVERSE SIDE OF SHEET
C: PLC TOOLS SIM-ALP2 S/N 41049 SEE REVERSE SIDE OF SHEET

METER	RANGE	TP #1	DEV.	TP #2	DEV.	TP #3	DEV.	TP #4	DEV.	TP #5	DEV.	CHECKED BY	COMMENTS
A	J	0°F	+1.1	50	+1.2	200	+1.5	600	+1.4	800	+1.5	Logan Peters	In Tolerance
A	K	50°F	+.7	500	+1.1	1000	+1.1	1500	+.8	2000	+1.3	"	"
A	R	100°F	+2.5	1200	+1.7	2450	+1.4	2700	+1.3	3050	+1.5	"	"
A	S	100°F	+1.4	1200	+1.2	2450	+1.8	2700	+1.2	3050	+.8	"	" 485TD
A	T	-100°F	-.5	-50	-.1	0	+.1	50	-.3	100	-.6	"	"
B	RTD	0.0°F	+.5	50.0	+.5	100.0	+.5	150.0	+.4	200.0	+.5	"	"
B	RTD	250.0	+.3	300.0	+.2	350.0	+.2	400.0	+.4	450.0	+.2	"	"
C	V OUT	0	0	2.5	0	5	0	7.5	0	10	0	"	"
C	MA OUT	4.0	0	8.0	0	12.0	0	16.0	0	20.0	0	"	"

THERMOWORKS M/N VA710 S/N 62407009869

J, K, T, E, N, RESOLUTION .1° C/F, ACCURACY +/- .3° C, +/- .3°C REFERENCE JUNCTION

R, S, B, RESOLUTION 1° C/F, ACCURACY +/- 1° C, +/- .3°C REFERENCE JUNCTION

THERMOWORKS M/N VA720 S/N 62302013791

Pt100 385, RESOLUTION .1°C/F INPUT 4W .33°C INPUT 2W/3W .5° OUTPUT .33°C

PLC TOOLS SIM-ALP2

OUTPUT	RANGE	RESOLUTION	ACCURACY
V OUT	-10V to 10V	0.1 V	+/-1% FS
MA OUT	0 to 22 MA into 500 OHMS	0.1 MA	+/- 1% FS

KEY: FS = FULL SCALE