

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



March 28, 2024

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**RE: Transmittal of Veolia Middletown Operations Report February 2024**

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,

A handwritten signature in black ink that reads 'Kodi Webb' in a cursive script.

Kodi Webb  
Project Manager  
Veolia Middletown

cc: Michael Winfield  
Jason Kiernan  
Ken Bonn  
William Stanton



## EXECUTIVE SUMMARY

This report covers the monthly period of February 1, 2024 through February 29, 2024.

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.

### 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.
- Continue 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 E. Water St.
- Installation of Safety Upgrades for Water and Wastewater systems.
- Installation of LED lights in operations building to replace faulty lights.
- Completed oxidation ditch inspection.
- Completed PFAS sampling at in service wells per new PA DEP regulation.

## Regulatory Compliance

NOV was issued on March 1, 2021 for Well # 4 Fluoride system deficiencies. 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.
- Required upgrades to fluoride feed systems at all wells which will require a separate permit amendment filed with PA DEP for each. – Well #4 **Permit Approved 6/25/21**
  - Only Well #4 will be held to the 120 day timeline since permits are required for each well
  - VEOLIA will not delay working with HRG and DEP to get all locations permitted and completed in a timely manner.
- Equipment for upgrade
  - HRG to identify best pumps and equipment for this application.
  - Well pump #4, replacement in progress
- Veolia working with HRG on permit amendments
  - Well 4 Permit Application (replacement pump)-**Approval Received on 6/25/21**
  - Chemical feed parts ordered in July 2021, and received August 19, 2021
  - Permit application approval received for chemical feed upgrade for all wells
  - Permit application approval received for Well 3 pump replacement
  - HRG to submit additional permit applications for Well 4 level transducer as required by Susquehanna River Basin Commission and upgrade online chlorine analyzer – January 2023
  - Well 4 drop pipe, well pump and chemical feed system installed October 2023.
    - A new scale for the fluoride system has been ordered and will be installed before startup.
    - Well 4 to be returned to service pending fluoride scale installation and PA DEP inspection. Estimated to be March 2024.
- Chemical feed upgrade for Well 2 completed on November 3, 2022
- Water SCADA computer upgrade completed August 2023

On February 23, 2023, an unplanned wastewater plant inspection was performed by Pennsylvania Department of Environmental Protection. The formal report has not been generated from the inspection, but the sanitarian did not note any major findings or violations during the inspection.

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 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.

## Environment, Health and Safety

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

On December 15, 2023 a letter was received from OSHA that raised concerns from an employee about conditions in the wet well, no movement on the replacement of the compactor, and a lack of safety inspections. On December 19, 2023 an investigation was launched and a follow up letter was submitted to OSHA explaining the inspection findings on December 22, 2023. The investigation did not substantiate the conditions cited in the letter from the wet well. Improvements to existing systems have been made to improve conditions and progress on ordering the compactor has been communicated to operations staff. Safety inspections are being completed and documented weekly.

Andrew Valenzuela started as Veolia's regional Environmental, Health and Safety Manager in February 2024.

## Customer Service

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

Though the Customer Service counter remains closed to customers, customer service, and payments remain open via payment drop box, telephone, email 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 February was successfully completed on February 26th, 2024.

- Sent 237, 10 day shut-off notices to accounts that were \$50 past due for the January 2024 billing period
- Posted 79 properties with 3 day shut-off notices

## 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

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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 if not implemented have the potential to impact future performance.

## **Conclusion**

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

## 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.

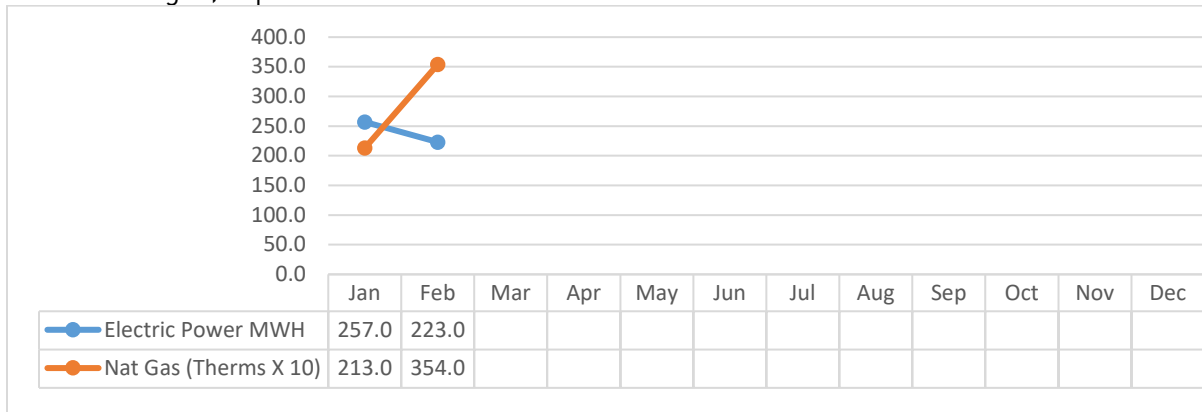
### Quality Control Reporting

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.

## Energy Management and Sustainability

### Energy 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.

## Sustainability

Middletown received a score of 97 for the GRESB Report submitted in 2023. This was a 6 point increase from the GRESB Report submitted in 2022, and an 81 was received for the GRESB Report submitted in 2021. The 2022 GRESB Report data was compiled in April. Objectives will be developed to increase and support biodiversity and sustainability initiatives.

## Water System and Wastewater Treatment Plant Maintenance

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

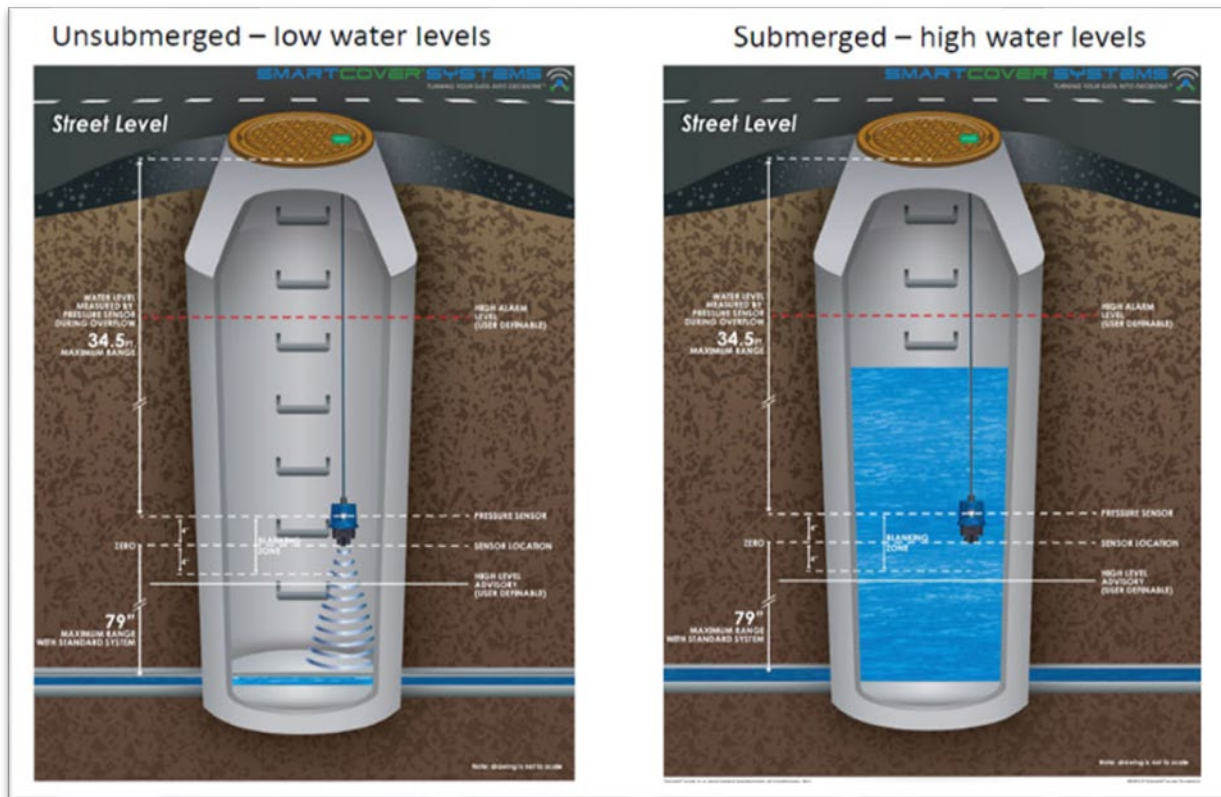
System	Equipment	Process Location	Date Off Line	Reason for Taking Off Line	Date Returned to Service
Water	Well Pump	Well 4	2/26/21	Pump Failure	9/25/23*
Water	Fluoride Pump	Well 4	2/26/21	Pump upgrades and SCADA integration	Pending Upgrade
Water	Well Pump	Well 3	9/14/21	Pump Failure	In Progress
WWTP	Influent Screen / Compactor	Wet Well	1/13/23	Mechanical Failure	In Progress
WWTP	Fine Screen	Headworks	8/23/23	Mechanical Failure	In Progress
WWTP	Rotor	Ox Ditch 1	10/2/23	Rotor Failure	In Progress

\*Date of repair. Will be returned to service pending completion of the project and PA DEP inspection.



## Sanitary Sewer System

### SmartCover® Sewer Monitoring System

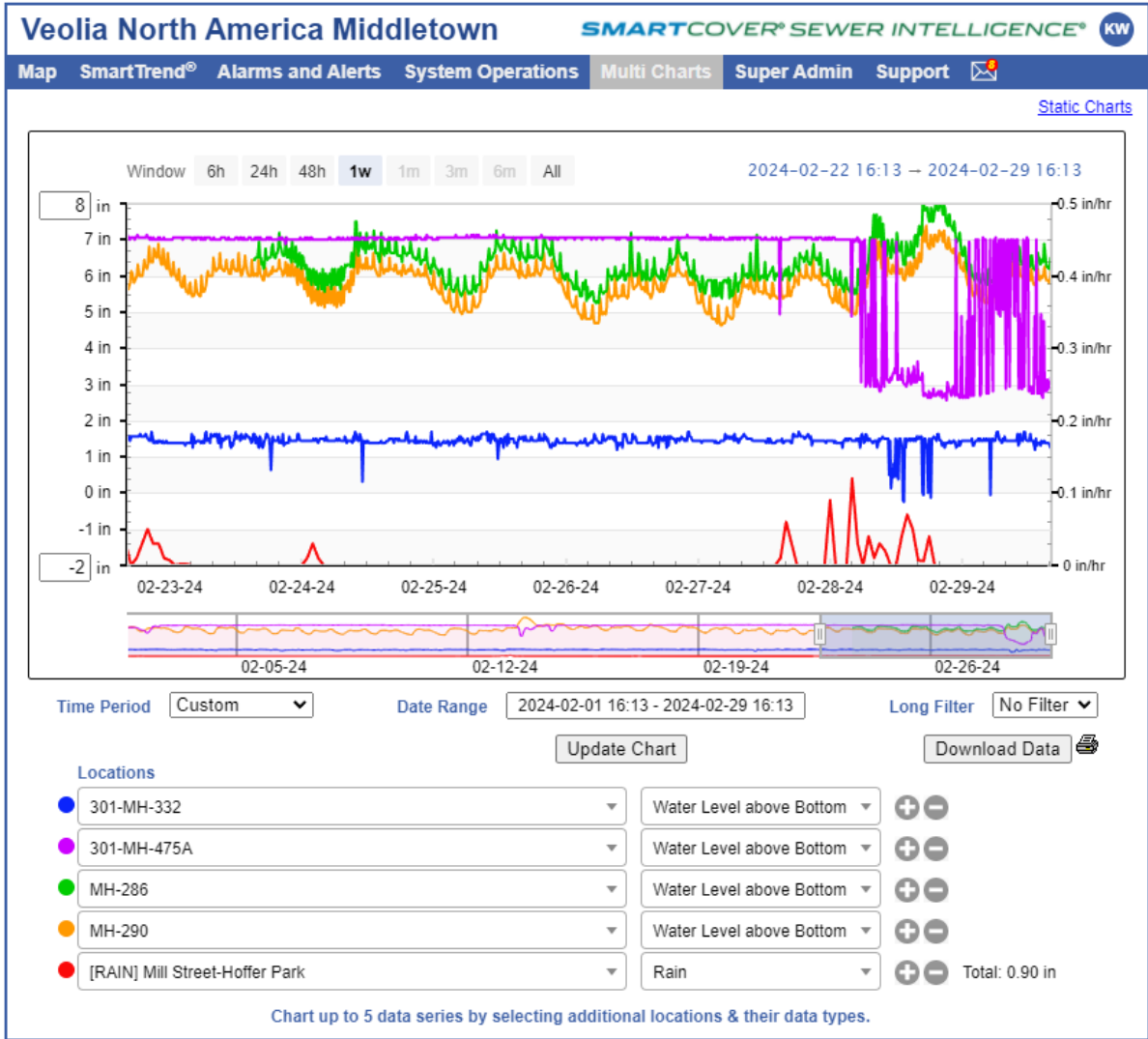


Ultrasonic level sensor (on the left) and pressure transducer (on the right). The covers use level sensing technology to analyze sewer elevations throughout the monitored area. This technology is used to monitor and reduce sanitary sewer overflows (SSO's) at problematic locations. The SmartCovers installed 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".

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## Key Performance Indicators

### Project Status Snapshot

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

KPI	Hydrants Inspected	Main Valves Exercised	Ft Wastewater Mains Cleaned	Ft Water System Leak Detection
Last	0	0	0	0
Current	0	0	0	0
YTD	0	0	0	0

On Target – Good Work	Caution	Significantly Behind Goal
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### KPI Comments

**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 systems small meters, starting with the oldest meters.

**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 in need of repair or replacement will be scheduled for repair or replacement over time based on operational priority of the valve.

**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.

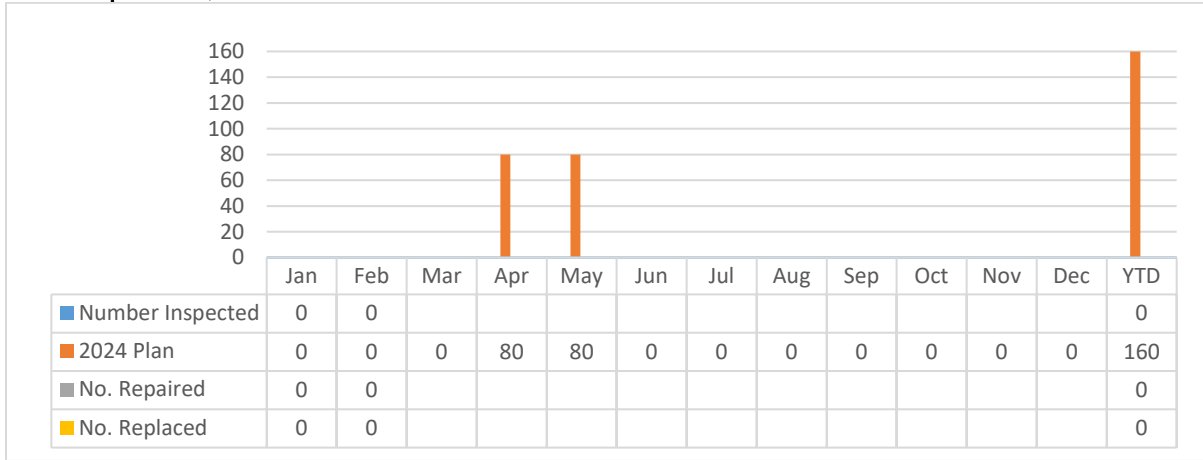
**Sanitary Mains Cleaned/CCTV Inspected:** The work on this task will be scheduled and completed throughout the year.

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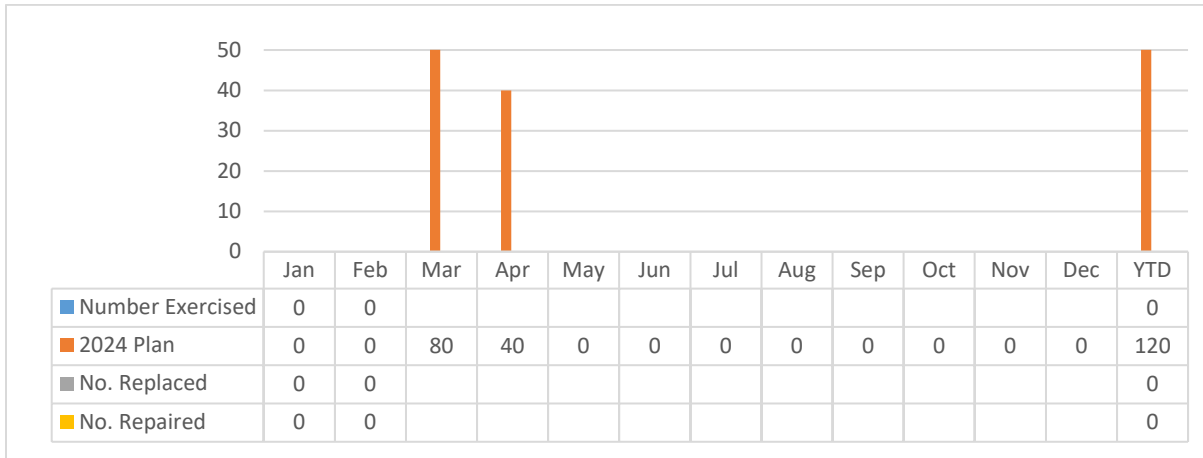


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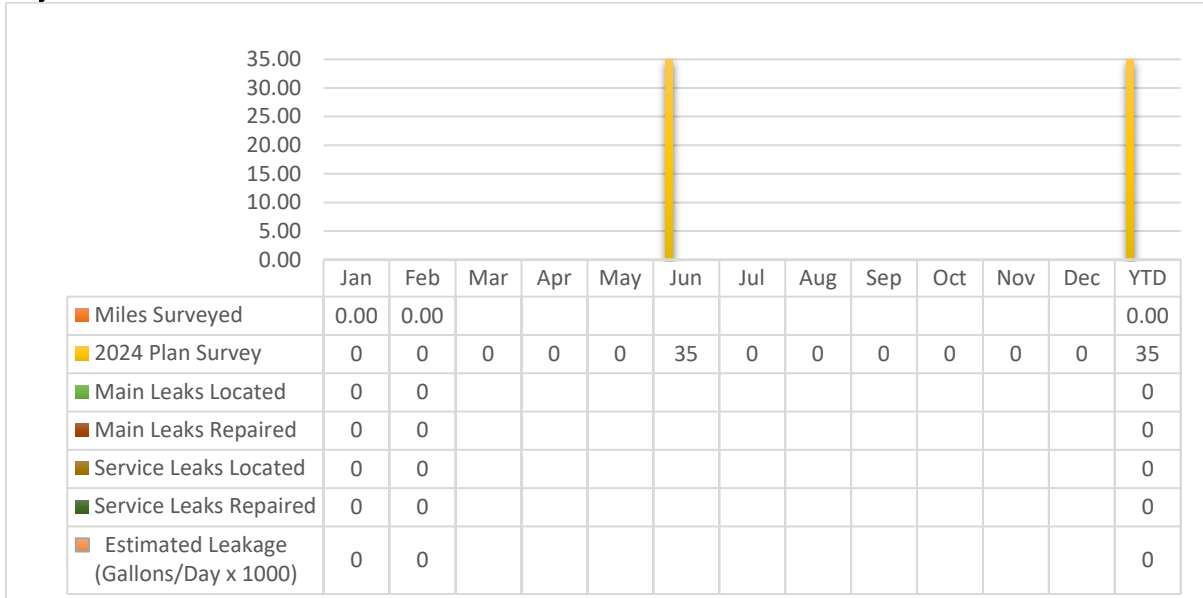
## Hydrants Inspected, Tested and Flushed



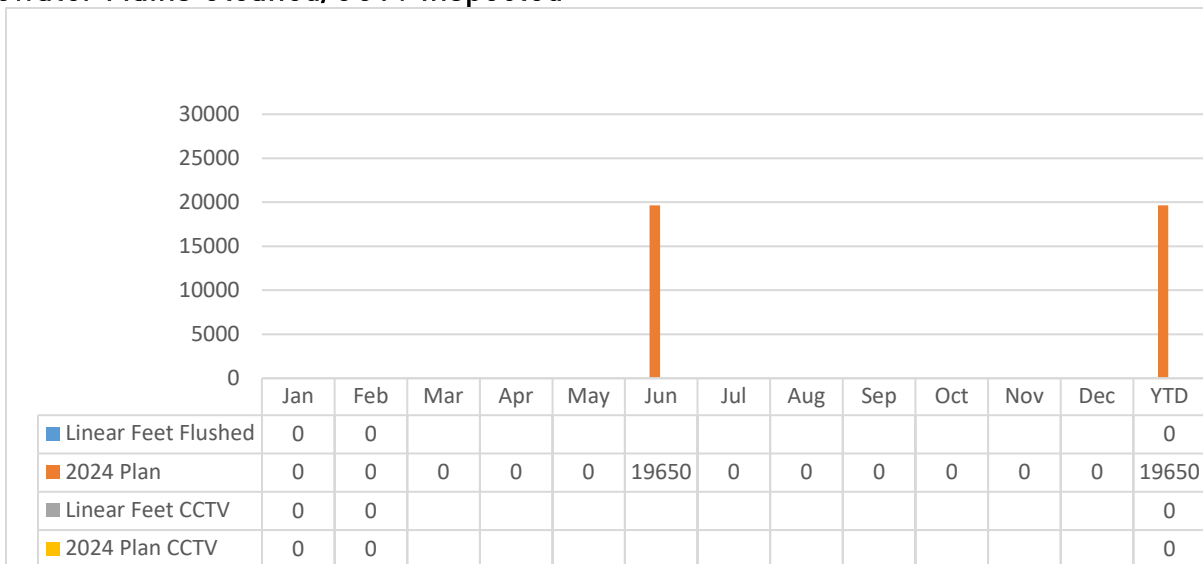
## Water Main Valves Exercised



## Water System Leak Detection



## Wastewater Mains Cleaned/CCTV Inspected

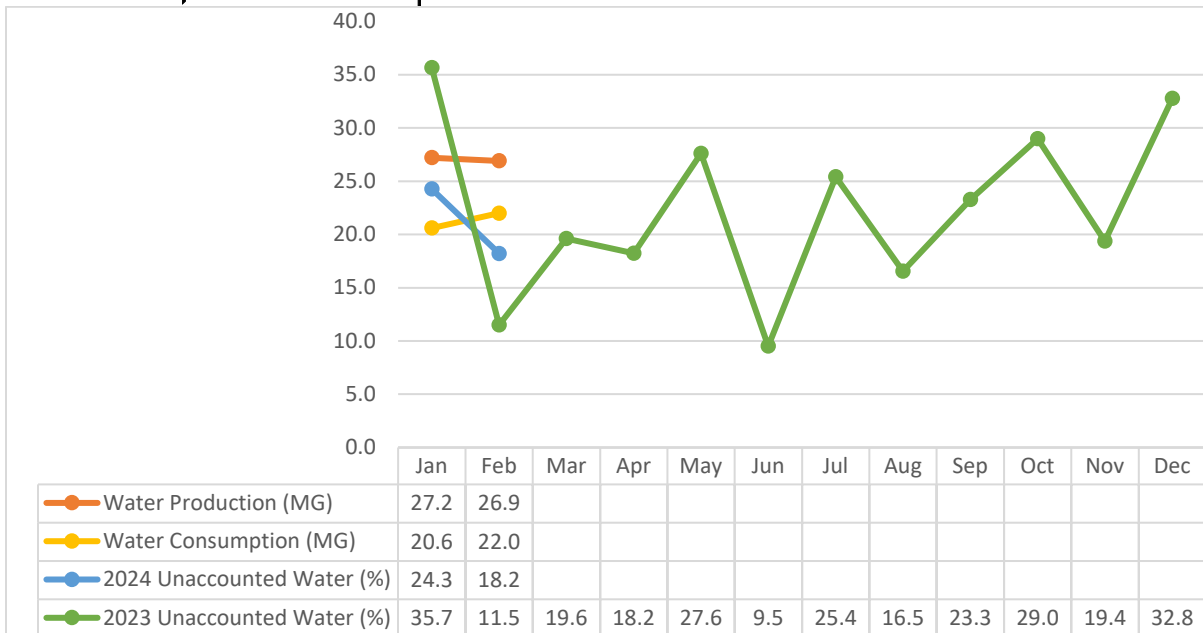


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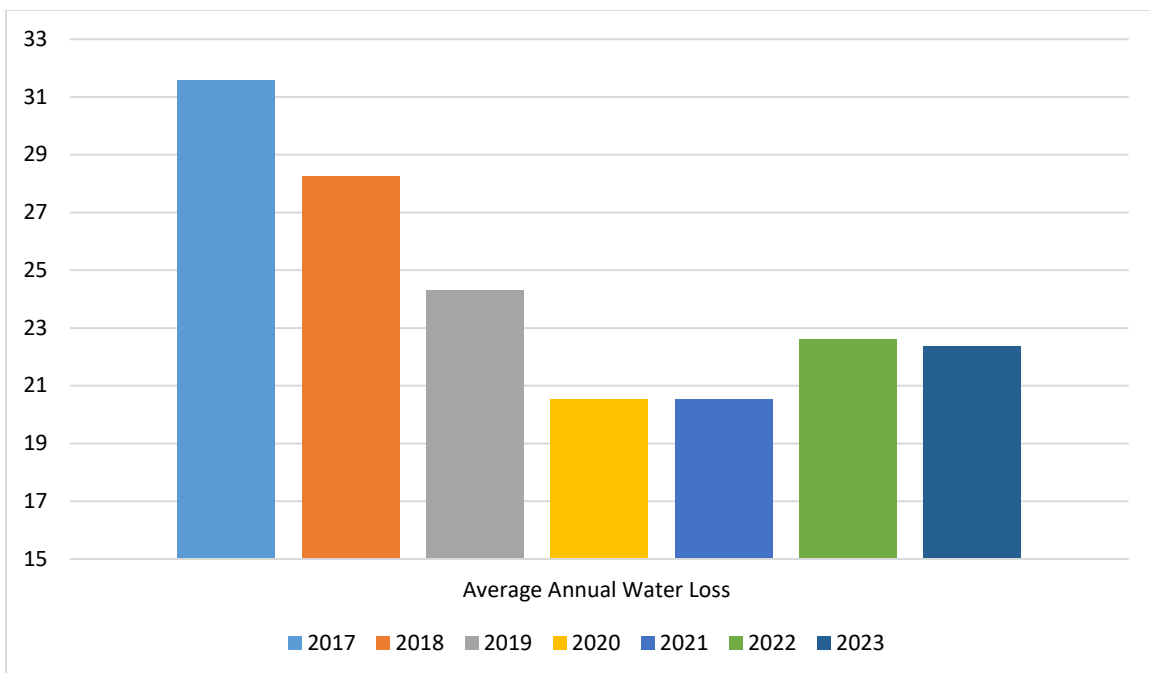


## Water Production, Water Consumption and Unaccounted Water



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.

## Historical Annual Average Percentage of Unaccounted for Water

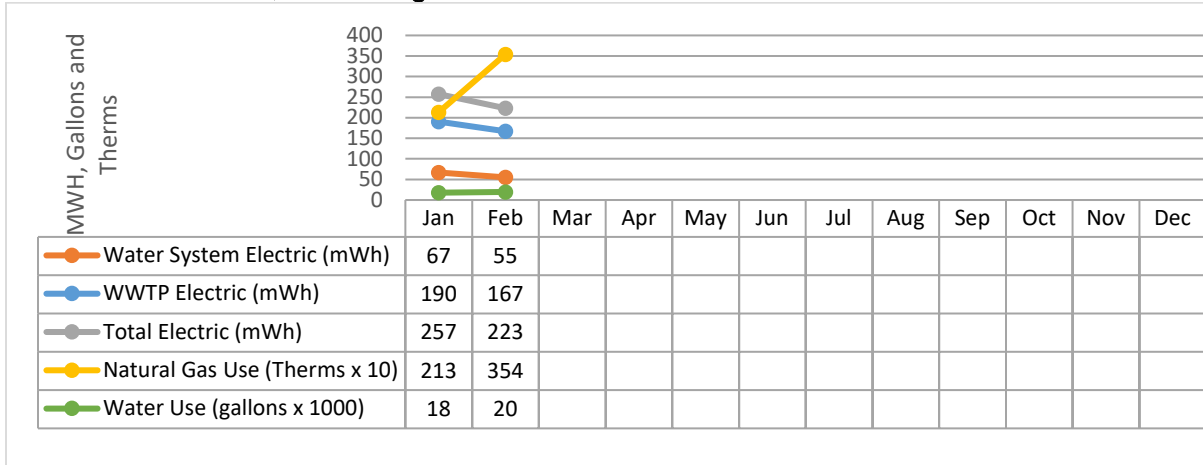


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## Utilities: Electric Power, Natural gas & Potable Water Use



## Process Chemicals: Water and WWTP Treatment

Chemical	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Hypochlorite (Water)	gal	319	294											612
Hydrofluosilic Acid	lbs	455	427											881
Alum	gal	1430	1350											2781
Thickening Polymer	gal	55	62											117
Dewatering Polymer	gal	100	98											198
Chlorine (WWTP)	lbs	423	314											737
Lime	lbs	2796	4830											7626

## 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 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 will be tested at the conclusion of the project. The Middletown project continues to replace small meters as needed.

## Meter Testing Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
WWTP Process	1	0											1	0	0	0	1
Water Process	15	0											15	0	0	0	15
Interconnect/Large	0	0											0	0	0	0	0
Small Meter	1	252											253	0	0	0	253
<b>TOTAL</b>	<b>17</b>	<b>252</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>269</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>269</b>

## Upcoming Month Operational Priorities

- Continue utilization of the Lumin 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.
- Continue Well # 4 chemical feed upgrade.
- Safety Upgrades to water and wastewater systems.
- Continue management of underground infrastructure replacement and other capital construction projects.
- Installation of new oxidation ditch end bearing.
- Repair SmartCover.
- Begin annual valve turning.



## 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. Call volume increased in February with a total of 780 calls received. Call volume has remained high through February due to an increased number of customers making payments over the phone. All calls received by answering service or that were placed to the answering service after office hours were responded to. 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 2024 rate increase has been implemented in accordance with Middletown Water Annual Recovery Report and the surcharge was terminated in October when the threshold was reached.

The release of bill files for printing and mailing this month occurred in 1 day with bills for services provided in January being mailed to customers on February 26<sup>th</sup>, 2024. The average gross monthly collection rate for February was 97.4% and 101.35% 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 22 accounts this month, which is the same as last month. There were no idle meters with consumption this month.

The number of Field Service Requests in February was 84.

In March of 2021, Veolia implemented a new customer bill design. The re-design is helping customers compare the current month's consumption to prior month's consumption. This re-designed format has resulted in an increased number of customers who have subscribed to Auto Pay. Prior to the re-design, we were averaging around 270 customers, now we are up to approximately 429 who have enrolled in the Auto Pay program.

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## Customer Service: Calls by Type

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	2023	2022
General Acct. Info	5	4											9	101	123
Bill Inquiry	87	89											176	1206	1448
Finals	9	9											18	163	242
New Account	6	6											12	92	118
Meter Reading /Re-Reads	0	0											0	17	13
Payments	421	601											1022	7140	6901
Collection Letter	13	38											51	623	735
Rates	0	6											6	15	9
Complaints	0	0											0	4	0
Sewer	0	0											0	3	6
Leaks	0	2											2	27	15
No/Low Water Pressure	0	1											1	5	8
Copy Of Bill	4	3											7	36	101
Correct. Bills	0	0											0	0	0
Mtr Change Out	0	0											0	1	0
Customer Correspondance	59	74											133	653	763
Discolored/Water Quality	0	0											0	3	1
Calls Referred to SUEZ Hbg	16	21											37	306	414
Calls from City / Other Org	0	0											0	0	0
Compliments	0	0											0	0	1
<b>2024 TOTALS</b>	<b>620</b>	<b>854</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1474</b>		
<b>2023 TOTALS</b>	<b>899</b>	<b>753</b>	<b>828</b>	<b>858</b>	<b>1003</b>	<b>976</b>	<b>942</b>	<b>882</b>	<b>826</b>	<b>772</b>	<b>781</b>	<b>875</b>	<b>10395</b>		

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

## Customer Service: Billing

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.

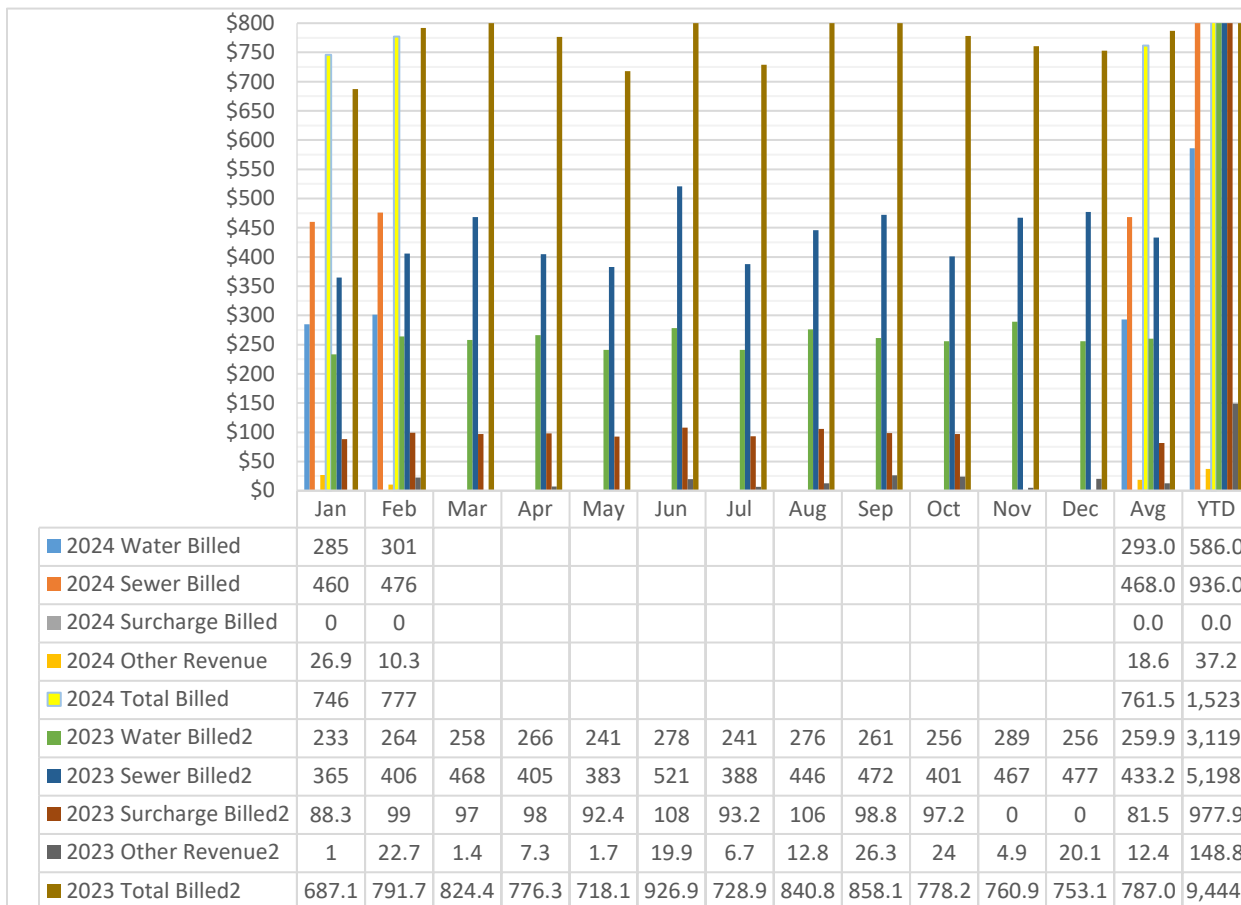
\* Neptune is the meter manufacturer

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### Dollars Billed - Water and Sewer (dollars X1000)

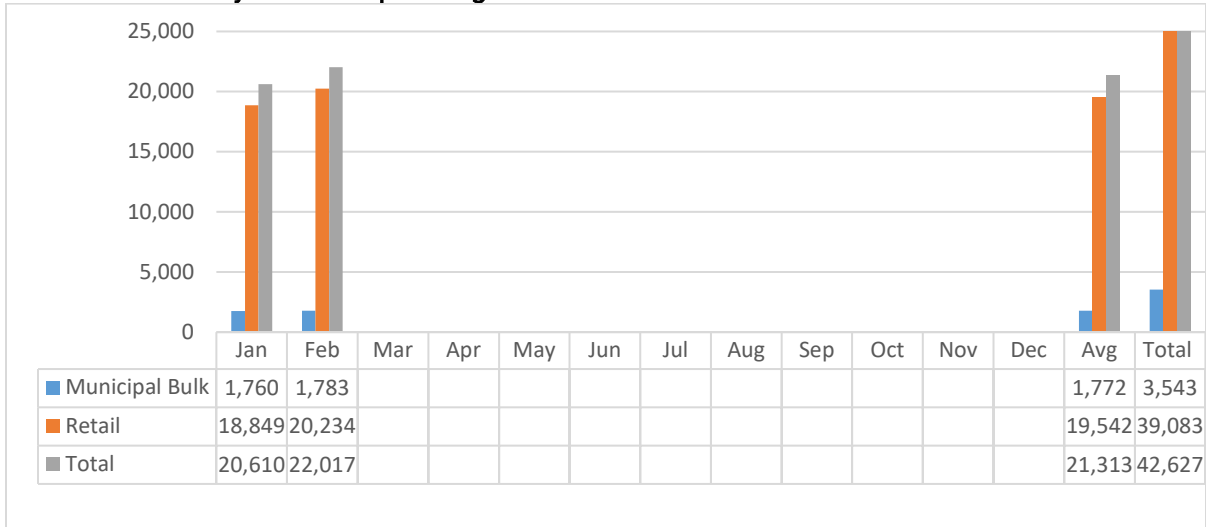


# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

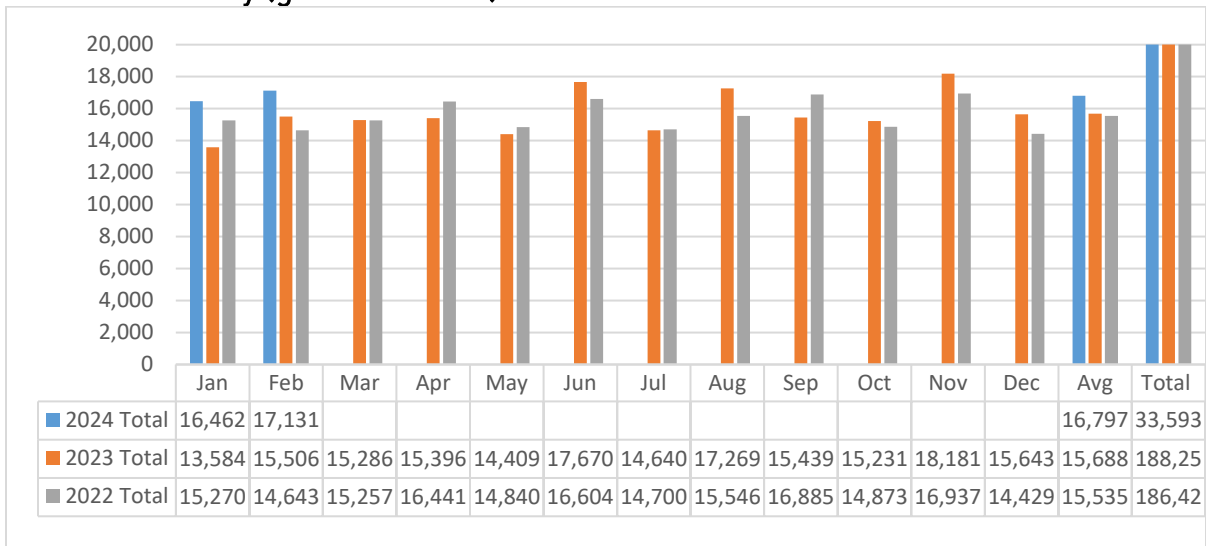
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## Water Sales - Monthly Consumption (gallons X 1000)



## Sewer Sales - Monthly (gallons X 1000)



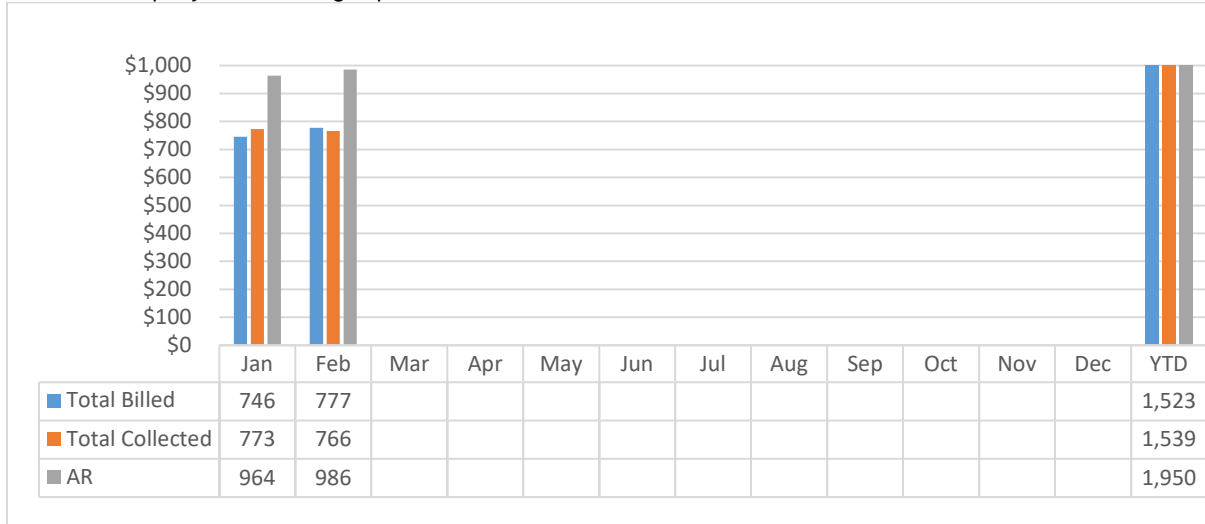
# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT



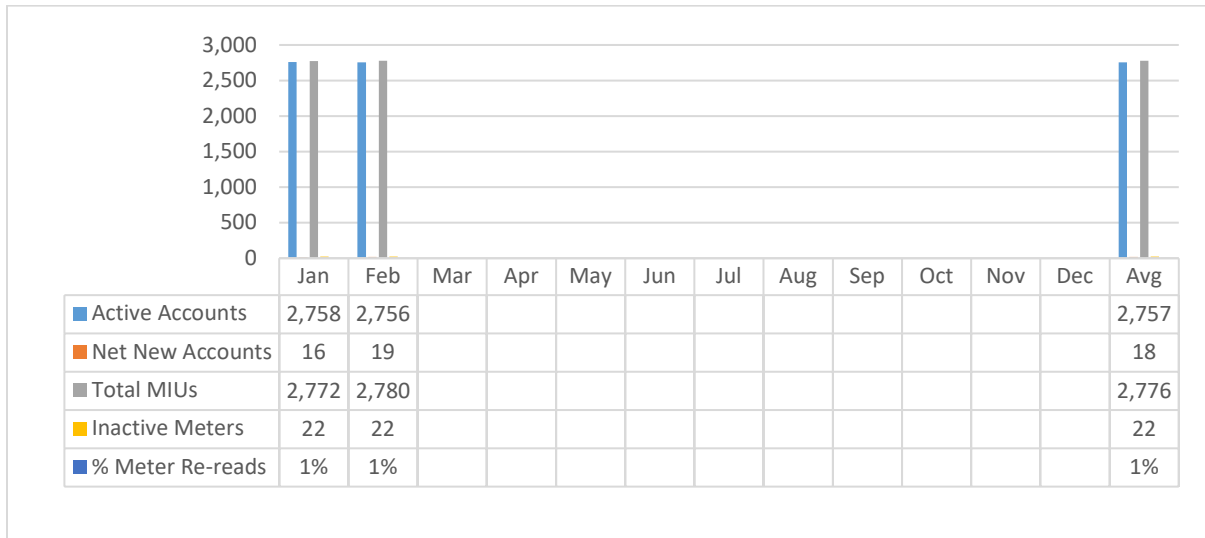
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## Collections (dollars X 1000)

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



## Accounts & Meters

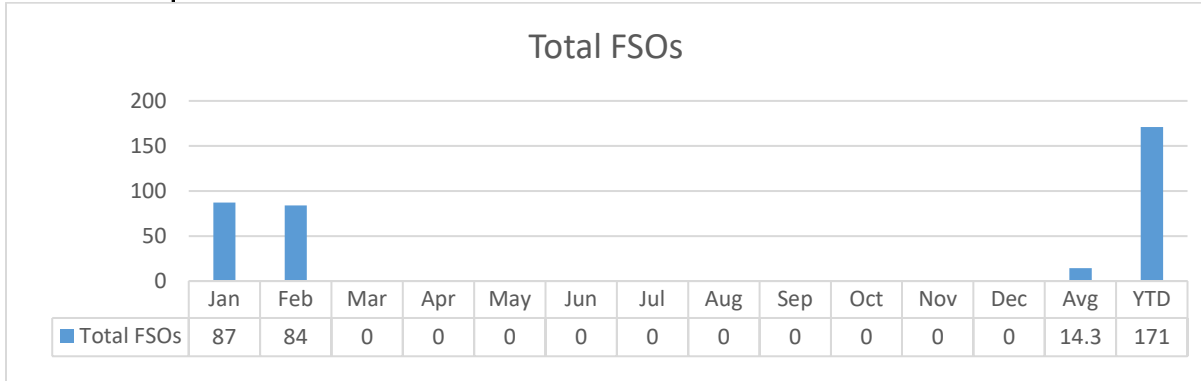


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## Field Service Requests



## 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
Unplanned	0	0											0	0	0	0	0
<b>2024 Total</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

## Water Quality

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
Discolored	0	0											0	0	0	0	0
Boil Water Notices	0	0											0	0	0	0	0
<b>2024</b>	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 the the sewer and collection system is provide 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	0											0	0	0	0	0
Odor	0	0											0	0	0	0	0
<b>2024 TOTAL</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>2023 TOTAL</b>	0	1	0	0	0	0	0	1	2	0	0	0	2	0	3	0	4

### 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 2024.



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### Water Sales Test Period

Water Sales Test Period No. 3 1/1/2024 to 12/31/2026	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	
														Total	Avg
Total consumption for the month (gallons)	2024	20,610,500	22,016,900											42,627,400	21,313,700
	2025													0	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											39,084,100	19,542,050
	2025													0	0
	2026													0	0
Retail Sales - Average Daily (gallons per day)	2024	608,055	697,738											1,305,793	652,896
	2025													0	0
	2026													0	0
<b>Avg retail water sales (gal)</b>		<b>608,055</b>	<b>697,738</b>											<b>435,264</b>	<b>217,632</b>
Bulk Municipal Sales - Total month (gallons)	2024	1,760,800	1,782,500											3,543,300	1,771,650
	2025													0	0
	2026													0	0
Bulk Municipal - Average Daily (gallons per day)	2024	56,800	61,466											118,266	59,133
	2025													0	0
	2026													0	0
<b>Avg Bulk Customer sales (gal)</b>		<b>56,800</b>	<b>61,466</b>											<b>39,422</b>	<b>19,711</b>
														<b>Contract Daily Bulk Water Sales Upper Limit (gal/day) = 62,970</b> <b>Bulk Sales Surplus (gal/day) = No Surplus</b> <b>Sum of Actual Average daily volume of Metered water sales to Retail Water Customers over Test period + Bulk Sales Surplus (gal/day) = 217,632</b> <b>Contract Daily Water Sales Upper Limit (gal/day) = 639,340</b>	



## Engineering and Capital Improvements

Capital improvement projects for the water and wastewater systems were developed for 2023 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.
- **Well No. 3 Stripping Tower Rehabilitation Project:** The project will entail the rehabilitation of the existing stripping tower, replacement of the media and the relocation of the blowers inside the building.
- **ATAD & SNDR Reactors Instrumentation Replacement Project:** The project will entail the procurement and installation of a new radar gauge, float switch with stainless steel bracket, and a new pressure transducer.
- **Oxidation Ditch Instrumentation Replacement Project:** The project will entail the procurement and installation of an ultrasonic level probe and a dissolved oxygen (D.O.) probe.
- **Trench Opening Restoration Project:** Project to perform roadway improvements based on the Borough's instructions and most recent roadway opening ordinance requirements.
- **WWTP Electrical Upgrades:** Project to perform improvements on the electrical system within the WWTP.
- **Water and Wastewater Systems Miscellaneous Upgrades:** Project to perform various water and wastewater systems upgrades based on condition assessment and routine inspections
- **Safety Upgrades:** Various environmental health and safety equipment replacement at the WWTP and well sites for safety compliance

### 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, Storage tank repairs and maintenance, Outfall rehabilitation, Headwork's evaluation, Railroad interceptor modifications and maintenance cleaning, replacement of raw pumps, new disinfection system for wastewater effluent and any Supply/Distribution system improvements.

As previously included and pursuant to the dispute resolution process (and as addressed during the August 2020 Operations Committee meeting), the Concessionaire is planning on implementing CAPEX projects required for the overall system, including but not limited to replacement of water mains in accordance with a revised 5-year capital improvement plan. The “2019 Underground Infrastructure Upgrades” project is fully completed with approximately 2,800 LF of water main replaced as of May 2021 and the project has been closed out. The next project, “2017/2020 Underground Infrastructure Upgrades” involved the replacement of approximately 5,200 LF of critical water mains in the system in addition to the replacement of approximately 1,000 LF of sewer system and upgrades of deteriorating sewer manholes. All the PA DOT permitting was secured for this project. A pre-construction meeting was held with HRG and EK Services in May 2021. EK Services worked with the Borough to secure the local road opening permits for construction. Due to delays in manufacturing and shipping reported by EK Services and characterized as force majeure (in the context of the COVID-19 pandemic), the construction start date was in October 2021. Substantial completion of the project occurred in July 2022. Pictured below is a section of replaced main in the 2017/2020 project.



The current project scheduled is the “2018/2021 Underground Infrastructure Upgrades” which involves approximately 5,000 LF of water main replacement in addition to the replacement of 1,000 LF of sewer system and upgrades of deteriorating sewer manholes. Approximately, 4,000 LF of sewer mains were CCTV’ed for condition assessment and a presentation of the video footage and the analysis with recommendations were delivered at

the August 2021 Operating Committee meeting. The project design was completed in October 2021. The project was put out for bid and Wexcon was the apparent low bidder. Wexcon was awarded the project and HRG reviewed and approved the submittals. The project mobilized on January 26, 2023. The wastewater portion of the project was completed in May 2023, and remobilization for the water project occurred in September 2023. The remobilization consisted of the water main and service installation. Substantial completion occurred in late 2023. Paving and grass restorations will occur as weather allows in early 2024.

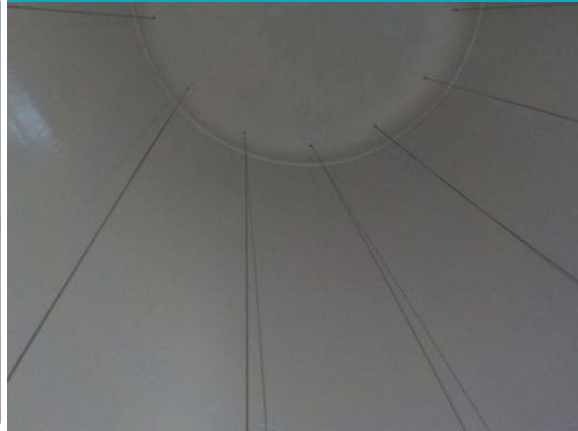
As previously discussed during the monthly operations meetings and included in the DRAFT Capital Improvement Plan submitted on March 12, 2020, The Concessionaire is planning the rehabilitation of the three (3) water storage tanks in the water system. The design documents were completed (by the Veolia Engineering Department) and the required PADEP Permitting application for the High Street Tank was secured as of July 2021 for the High Street Tank. The project was advertised for bid proposals in July 2021 and only 2 bid proposals were received. The project went out for rebid in October 2021 with a target start date in March 2022 and was distributed to more potential vendors to receive competitive pricing. IK Stoltzfus was the apparent low bidder and awarded the project. The permits for the High Street tank, Union Street tank, and Turnpike Tank have been approved by PA DEP. The High Street tank project mobilized on September 12, 2022, was completed in December 2022, and the tank was returned to service in February 2023. The project involved blasting the interior and exterior of the tank and repainting. Photos of the project are included below which depict the interior and exterior before and after the High Street project. The Turnpike Tank rehabilitation mobilized on August 14, 2023. The blasting and painting concluded in October. The tank was filled, tested and returned to service authorized by PA DEP on November 14, 2023. Photos of the inside and outside of the Turnpike Tank are included below. Rehabilitation of the North Union Street Tank is expected to begin in Q2 of 2024. Onsite meetings have been held with IK Stoltzfus and AT&T to discuss planning and removal of the existing cables.



High Street tank exterior before and after blasting and painting.

# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

FEBRUARY 2024



High Street tank interior before and after interior blasting and painting.



Turnpike tank exterior before and after exterior blasting and painting.



Turnpike tank interior before and after interior blasting and painting.

# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT FEBRUARY 2024



## Capital Improvement Plan

The following DRAFT Capital Improvement Plan was submitted on March 1, 2023.

The 2024 DRAFT Capital Improvement Plan is scheduled to be submitted on March 1, 2024.

SEWER COLLECTION, CONVEYANCE, & TREATMENT FACILITIES  
DRAFT - 5 Year Capital Improvements Plan (2022-2027)  
February 27, 2023

	2022 and 5 YEAR CAPITAL IMPROVEMENT PLAN					
BASE CAPITAL IMPROVEMENTS	2022	2023	2024	2025	2026	2027
Headworks Wet Well Pump and Tank Rehabilitation Project			\$ -			
Well No. 4 Rehabilitation Project	\$ -	\$ 45,000	\$ -			\$ -
Well No. 3 Stripping Tower Rehabilitation Project	\$ -	\$ -	\$ -			
Well Upgrades (Pumps, controls, automation)	\$ 122,000	\$ 19,000	\$ 35,000	\$ 70,000	\$ 70,000	
Ventilation of ATAD Building Project	\$ -	\$ 20,000	\$ -			
Fire Alarm System Design Project	\$ -	\$ -	\$ -			
Customer Service Upgrade Project	\$ -	\$ 10,000	\$ -			
Blower Building Instrumentation Replacement Project			\$ 10,000			
SCADA Upgrade Project	\$ -	\$ 35,000	\$ 25,000			
WAS Storage Tank Instrumentation Replacement Project	\$ -	\$ -	\$ 15,000			
Biofilter Instrumentation Replacement Project	\$ -	\$ -	\$ -			
ATAD & SDR Reactors Instrumentation Replacement Project	\$ 14,500	\$ 15,000	\$ -			
Headworks Instrumentation Replacement Project	\$ -	\$ -	\$ 27,000			
Biosolids Processing Instrumentation Replacement Project	\$ -	\$ -	\$ -			
Oxidation Ditch Instrumentation Replacement Project	\$ -	\$ -	\$ -			
Scum Pump Station Instrumentation Replacement Project	\$ -	\$ -	\$ -			
WWTP Facilities Security Upgrades Project	\$ -	\$ 10,000	\$ -	\$ 30,000	\$ 20,000	\$ 20,000
Well Facilities Security Upgrades Project	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000
Well Evaluation and Upgrades Project	\$ -	\$ -	\$ -			
Trench Opening Restoration Project	\$ 54,487	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Water and WWTP System Evaluations	\$ 28,750	\$ 28,750	\$ 28,750	\$ 30,000	\$ 30,000	\$ 30,000
WWTP Electrical Upgrades	\$ -	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
WWTP Safety Compliance Project	\$ -	\$ -	\$ -	\$ 50,000		
Water and Wastewater Systems Miscellaneous Upgrades	\$ 170,000	\$ 170,000	\$ 150,000	\$ 162,000	\$ 160,000	\$ 235,000
Safety Upgrades	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000	\$ 20,000
<b>TOTAL BASE CAPITAL IMPROVEMENTS *</b>	<b>\$ 389,737</b>	<b>\$ 402,750</b>	<b>\$ 415,750</b>	<b>\$ 387,000</b>	<b>\$ 395,000</b>	<b>\$ 400,000</b>
<b>PROPOSED YEARLY BUDGET FOR BASE CAPITAL PROJECTS **</b>	<b>\$ 390,838</b>	<b>\$ 414,679</b>	<b>\$ 439,974</b>	<b>\$ 466,813</b>	<b>\$ 495,288</b>	<b>\$ 525,501</b>

MAJOR CAPITAL IMPROVEMENTS	2022 *	2023 *	2024 *	2025 *	2026 *	2027 *
Underground Infrastructure Replacements (2024 - 2027)	\$ -	\$ -	\$ 2,513,794	\$ 2,513,794	\$ 2,513,794	\$ 2,513,794
Underground Infrastructure Replacements (2016)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2017)	\$ 938,241	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2018)	\$ 205,019	\$ 1,564,000	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2019) ***	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2020)	\$ 938,241	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2021)	\$ 205,019	\$ 1,564,000	\$ -	\$ -	\$ -	\$ -
Spruce Street Sewer Relocation		\$ 279,450				
Underground Infrastructure Replacements (2022)		\$ 92,000	\$ 2,195,000	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2023)		\$ 92,000	\$ 2,302,090			
Water Storage Tank Rehabilitation - Union Street	\$ -	\$ 1,309,083	\$ -	\$ -	\$ -	\$ -
Water Storage Tank Rehabilitation - High Street	\$ 912,742	\$ -	\$ -	\$ -	\$ -	\$ -
Water Storage Tank Rehabilitation - Turnpike		\$ 955,338				
Headworks Upgrade (bar screen, pump, wiring, etc.)		\$ 876,300	\$ -	\$ -	\$ -	\$ -
Contingency (5%)		\$ 174,973	\$ 350,544	\$ 125,690	\$ 125,690	\$ 125,690
<b>TOTAL MAJOR PROJECTS</b>	<b>\$ 3,199,263</b>	<b>\$ 6,907,743</b>	<b>\$ 7,361,428</b>	<b>\$ 2,639,484</b>	<b>\$ 2,639,484</b>	<b>\$ 2,639,484</b>

REGULATORY COMPLIANCE						
WWTP Effluent Outfall Rehabilitation ****			\$ 620,000			
<b>TOTAL CAPEX</b>	<b>\$ 3,589,000</b>	<b>\$ 7,322,422</b>	<b>\$ 8,421,402</b>	<b>\$ 3,106,296</b>	<b>\$ 3,134,772</b>	<b>\$ 3,164,985</b>

**NOTES:**

\* All costs are in 2023

\*\* Consumer Price Index rate of 6.1% (as of February 2023) is applied to the "Proposed Yearly Budget for Base Capital Projects" based on the Concessionaire Agreement

\*\*\* Final restoration related costs for project completion in 2021

\*\*\*\* Subject to PADEP direction and regulations (Cost estimate in 2023 dollars)

## Environment, Health & Safety

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Environmental Incidents – Regulatory (PADEP/USEPA) notifications	0	0											0
Concessionaire Notifications	0	0											0
Incident Email Notifications	0	0											0
Environmental Incidents –Hotline notifications	0	0											0
Environmental Incidents –Hotline notifications/chemical spills	0	0											0
Non-compliance – violations	0	0											0
Reporting non-compliance	0	0											0
Safety related incidents – OSHA lost time	0	0											0
Total days lost	0	0											0
Safety related incidents – Preventable	0	1											1
Safety related – Near Miss	0	0											0
Employee lost-time – not job-related – total as sick hours	24	87.5											111.5

On Target	Caution	Meets/Exceeds Target
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One safety related incident occurred in February where a hinged grate fell on an employee’s finger. It was not a lost time accident and the employee was placed on restricted duty while their finger healed.

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



March 28, 2024

Mr. Kenneth Klinepeter  
Borough of Middletown  
[kklinepeter@middletownborough.com](mailto:kklinepeter@middletownborough.com)

Mr. Dan Sugarman  
Water Capital Partners LLC  
[dan.sugarman@wcpartnersllc.com](mailto:dan.sugarman@wcpartnersllc.com)

Mr. John Joyner  
Water Capital Partners LLC  
[john.joyner@wcpartnersllc.com](mailto:john.joyner@wcpartnersllc.com)

Mr. Don Correll  
Water Capital Partners LLC  
[don.correll@wcpartnersllc.com](mailto:don.correll@wcpartnersllc.com)

**RE: Laboratory Supervisor Certification – February 2024**

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."

A handwritten signature in black ink that reads 'Kodi Webb'.

Kodi Webb  
Project Manager  
Veolia Middletown

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



March 28, 2024

Mr. Kenneth Klinepeter  
Borough of Middletown  
[kklinepeter@middletownborough.com](mailto:kklinepeter@middletownborough.com)

Mr. Dan Sugarman  
Water Capital Partners LLC  
[dan.sugarman@wcpartnersllc.com](mailto:dan.sugarman@wcpartnersllc.com)

Mr. John Joyner  
Water Capital Partners LLC  
[john.joyner@wcpartnersllc.com](mailto:john.joyner@wcpartnersllc.com)

Mr. Don Correll  
Water Capital Partners LLC  
[don.correll@wcpartnersllc.com](mailto:don.correll@wcpartnersllc.com)

**RE: Environmental Laws Certification- February 2024**

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."

A handwritten signature in black ink that reads 'Kodi Webb'.

Kodi Webb  
Project Manager



# **MIDDLETOWN MONTHLY REPORT**

## **APPENDIX 1 WASTEWATER**

### **MIDDLETOWN WWTP MONTHLY DISCHARGE MONITORING REPORT (eDMR) SUBMISSION SUPPLEMENTAL WWTP PROCESS CONTROL & OPERATIONAL DATA**

**&**

### **SMARTCOVER® MONITORING SYSTEM REPORT**

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## Your eDMR Report Has Been Received For Permit No. PA0020664

1 message

---

**depgreenporthelpdesk@state.pa.us** <depgreenporthelpdesk@state.pa.us> Fri, Mar 15, 2024 at 12:35 PM

To: kodi.webb@veolia.com, mitchell.swartz@suez-na.com, jesse.randles@suez.com, michael.barger@veolia.com, glank@penntwp.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:** 02/01/2024-02/29/2024

**Report Due Date:** 03/28/2024

**Submitted By:** Kodi Webb

**Submission Id:** 447632

**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.



**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

<b>PA0020664</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 01/01/2023  
 DMR Effective To: 01/31/2023  
 Permit Expires: 02/28/2026  
 Permit Application Due: 09/01/2025  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	01	01	FROM	2023	01	31
			TO			

**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	***	***	***	8.45	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	7.1	***	7.7	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	< 36	46	lbs/day	***	< 3.0	5.0	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	***	***	***	***	< 8.13	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	< .12	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .86	***	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	***	***	***	***	< 7.27	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	3	***	lbs/day	***	.26	***	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	1.396	2.105	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.3	.55	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 2889.3	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 39.1	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 298	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 2591.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	93.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	43	300	No./100 ml	2/week	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		2/week	Grab



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

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 24	< 27	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										



**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

<b>PA0020664</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 01/01/2023  
 DMR Effective To: 01/31/2023  
 Permit Expires: 02/28/2026  
 Permit Application Due: 09/01/2025  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM	2023	01	01	TO	2023	01 31

**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	< 2889.3	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***	***	1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	93.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***	***	1/month	Calculation
Facility Sampling Point Comments										



**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

<b>PA0020664</b>	<b>001</b>
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly  
 DMR Effective From: 01/01/2023  
 DMR Effective To: 01/31/2023  
 Permit Expires: 02/28/2026  
 Permit Application Due: 09/01/2025  
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM	2023	01	01	TO	2023	01 31

**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	4775	29128	lbs/day	***	429	***	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	5311	34822	lbs/day	***	475	***	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										



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

**ATTACHMENT DETAILS**

File Name	Attachment Type	Uploaded Time	Attachment Comments
1-23 Biosolids.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-02-16T17:36:47-05:00	
1-23 Effluent Supplemental.xlsx	Daily Effluent Monitoring Form	2023-02-16T17:35:28-05:00	
1-23 Influent Supplemental.xls	Influent and Process Control Form	2023-02-16T17:36:12-05:00	
2023 Annual_Chesapeake_Bay_Spreadsheet_v2.2 .xlsm	Annual Chesapeake Bay Spreadsheet	2023-02-16T17:38:10-05:00	

**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
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**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
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**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
	Kodi Webb	23501	(717)-388-1759

**SUBMISSION INFORMATION**

SUBMITTED BY GREENPORT USER	*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).	Kodi Webb	TELEPHONE		DATE		
kwebb2			(717)	209-2736	2023	02	16
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

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

Month: February
Year: 2024
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

Table with 10 columns: Date, Liquid Sewage Sludge/Biosolids Hauled Off-site (Gallons, % Solids, Dry Tons), Dewatered Sewage Sludge/Biosolids Hauled Off-site (Tons Dewatered, % Solids, Dry Tons), Sewage Sludge/Biosolids Dewatered and Incinerated On-site (Tons Dewatered, % Solids, Dry Tons). Rows include dates 2/8/24, 2/14/24, 2/15/24, 2/26/24 and a TOTAL row.

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

Table with 5 columns and 8 rows detailing site information: 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 (10.99), 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: Kodi Webb
Title: Project Manager

License No.: 23501
Date: March 15, 2024



### SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

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

Month: 2 (select number) Year: 2024  
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
	Thu	2/1/24	1.71		7.5		8.89		0.25										
	Fri	2/2/24	1.638		7.6		8.67		0.28										
	Sat	2/3/24	1.528		7.6		8.52		0.3										
1	Sun	2/4/24	1.537		7.8		9.05		0.34										
	Mon	2/5/24	1.512		7.6		8.59		0.32		0.45	<	2.0		0.08		1.0		
	Tue	2/6/24	1.386		7.6		8.74		0.38		0.41	<	2.0		0.07		2.0		15.0
	Wed	2/7/24	1.278		7.6		8.87		0.34									<	2.0
	Thu	2/8/24	1.312		7.6		8.75		0.34										
	Fri	2/9/24	1.237		7.5		8.62		0.32										
	Sat	2/10/24	1.202		7.5		8.6		0.35										
2	Sun	2/11/24	1.223		7.5		8.76		0.32										
	Mon	2/12/24	1.441		7.7		8.49		0.36										
	Tue	2/13/24	2.154		7.6		8.61		0.32		0.96	<	2.0		0.11		1.0		
	Wed	2/14/24	1.756		7.6		8.96		0.36		0.23	<	2.0		0.13	<	1.0		11.0
	Thu	2/15/24	1.643		7.5		9.2		0.24										58.0
	Fri	2/16/24	1.164		7.5		8.83		0.26										
	Sat	2/17/24	1.559		7.6		8.79		0.2										
3	Sun	2/18/24	1.415		7.6		8.86		0.2										
	Mon	2/19/24	1.392		7.7		8.75		0.35		0.42	<	2.0		0.09	<	1.0		
	Tue	2/20/24	1.326		7.7		9.05		0.37		0.71	<	2.0		0.1		2.0		10.0
	Wed	2/21/24	1.291		7.7		9.06		0.33									<	2.0
	Thu	2/22/24	1.447		7.6		8.69		0.4										
	Fri	2/23/24	1.439		7.5		8.48		0.29										
	Sat	2/24/24	1.28		7.6		9.0		0.21										
4	Sun	2/25/24	1.17		7.6		8.86		0.2										
	Mon	2/26/24	1.256		7.6		8.48		0.22		0.02	<	2.0		0.05	<	1.0		
	Tue	2/27/24	1.141		7.6		9.18		0.18	<	0.02	<	2.0		0.08	<	1.0		1360.0
	Wed	2/28/24	1.391		7.6		8.57		0.13										3800.0
	Thu	2/29/24	1.366		7.5		9.01		0.26										
	Fri	3/1/24																	
	Sat	3/2/24																	
5																			

Statistics for DMR																				
Daily Minimum (Conc.):					7.5		8.48		0.13	<	0.02	<	2		0.05	<	1	<	2	
Daily Maximum (Conc.):					7.8		9.2		0.4		0.96	<	2		0.13		2		3800	
Max Avg Weekly (Conc.):							8.84		0.3		0.6	<	2		0		2			
Avg Monthly (Conc.):							8.79		0.3	<	0.4	<	2		0.09	<	1			
Geometric Mean (Conc.):																			<	34
Max Avg Weekly (Load):			1.563				115		4		10	<	33		2		18			
Avg Monthly (Load):			1.42				104		3	<	6	<	25		1	<	15			
Total Monthly (Load):			41.194				3019		100	<	160	<	721		33	<	442			
Daily Minimum (Load):			1.141				86		2	<	0.2	<	19		0.5	<	10			
Daily Maximum (Load):			2.154				155		6		17	<	36		2		23			

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: Kodi Webb  
Title: Project Manager

License No.: 23501  
Date: 3/15/2024

**SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL**

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

Month: February Year: 2024  
 NPDES Permit No.: PA0020664  
 Renewal application due 180 days prior to expiration.  
 This permit will expire on: February 28, 2026

Day	Influent					Process Control				
	Flow (MGD)	BOD <sub>5</sub> (mg/l)	BOD <sub>5</sub> (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	1.710							24,000.0		
2	1.638							24,000.0		
3	1.528							24,000.0		
4	1.537							24,000.0		
5	1.512	141.0	1,778	120.0	1,513			24,000.0		
6	1.386	92.0	1,063	80.0	925			23,000.0		
7	1.278							23,000.0		
8	1.312							23,000.0		
9	1.237							23,000.0		
10	1.202							23,000.0		
11	1.223							23,000.0		
12	1.441							22,000.0		
13	2.154	128.0	2,300	96.0	1,725			25,000.0		
14	1.756	120.0	1,758	70.0	1,025			15,000.0		
15	1.643							20,000.0		
16	1.164							20,000.0		
17	1.559							22,000.0		
18	1.415							22,000.0		
19	1.392	106.0	1,231	74.0	859			23,000.0		
20	1.326	183.0	2,023	134.0	1,482			22,000.0		
21	1.291							24,000.0		
22	1.447							24,000.0		
23	1.439							24,000.0		
24	1.280							22,000.0		
25	1.170							22,000.0		
26	1.256	163.0	1,708	214.0	2,242			22,000.0		
27	1.141	106.0	1,009	58.0	552			24,000.0		
28	1.391							24,000.0		
29	1.366							24,000.0		
30										
31										
Avg	1.421	130	1,609	106	1,290			22,724		
Max	2.154	183	2,300	214	2,242			25,000		

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Prepared By: Kodi Webb  
 Title: Project Manager

License No.: 23501  
 Date: 3/14/2024















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<b>Avg</b>	<b>1.3972</b>		<b>0.11</b>		<b>1.1</b>	<b>&lt;</b>	<b>0.57</b>	<b>&lt;</b>	<b>5.9</b>	<b>&lt;</b>	<b>1.04</b>	<b>&lt;</b>	<b>11.5</b>	<b>&lt;</b>	<b>4.86</b>	<b>&lt;</b>	<b>63.3</b>	<b>&lt;</b>	<b>5.91</b>	<b>&lt;</b>	<b>74.8</b>	
<b>Annual Total Mass Loads (lbs):</b>			<b>401</b>				<b>&lt;</b>	<b>2152</b>				<b>&lt;</b>	<b>4197</b>				<b>&lt;</b>	<b>23098</b>			<b>&lt;</b>	<b>27299</b>

**P Credits Generated: 1421**

**No N Credits Generated**

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Prepared By: Kodi Webb  
Title: Project Manager

License No.: 23501  
Date: 3/15/2024

**Monthly Statistics**

**Monthly Total Mass Loads (lbs)**

<u>Month</u>	<u>Total Phosphorus (TP)</u>	<u>NH<sub>3</sub>-N</u>	<u>TKN</u>	<u>NO<sub>2</sub>+NO<sub>3</sub> as N</u>	<u>Total Nitrogen (TN)</u>
October	49	212.3	322.9	< 766.2	< 1090.4
November	27.4	184.3	354.2	1400.3	1754.5
December	29.3	< 113.6	< 300.7	< 2165.8	< 2466.5
January	26.6	211.6	< 385.6	< 2836	< 3221.6
February	32	< 154.5	< 368.6	< 2415.3	< 2784
March					
April					
May					
June					
July					
August					
September					

**Average Monthly Concentrations (mg/L)**

<u>Month</u>	<u>Total Phosphorus (TP)</u>	<u>NH<sub>3</sub>-N</u>	<u>TKN</u>	<u>NO<sub>2</sub>+NO<sub>3</sub> as N</u>	<u>Total Nitrogen (TN)</u>
October	0.24	0.96	1.41	< 3.06	< 4.47
November	0.1	0.68	1.21	4.25	5.46
December	0.07	< 0.37	< 0.79	< 4.62	< 5.42
January	0.06	0.4	< 0.77	< 5.44	< 6.21
February	0.09	< 0.4	< 1	< 7.26	< 8.26
March					
April					
May					
June					
July					
August					
September					

# VEOLIA Middletown WWTP

## February, 2024

DATE	EFF	M.J. Reider Composite Sample Test Results																				
	FLOW	BOD		CBOD		%Remove	SUSPENDED SOLIDS				%Remove	TP		FEC.	NH3		NO2-NO3		TKN		TN	
	MGD	INFLUENT		EFFLUENT			INFLUENT		EFFLUENT			EFFLUENT		COLIF.	EFFLUENT		EFFLUENT		EFFLUENT		EFFLUENT	
		mg/L	LBS.	mg/L	LBS.		mg/L	LBS.	mg/L	LBS.		mg/L	LBS.	/100ml	mg/L	LBS.	mg/L	LBS.	mg/L	LBS.	mg/L	LBS.
01	1.710																					
02	1.638																					
03	1.528																					
04	1.537																					
05	1.512	141	1,778	<2.0	<25.22	98.6	120	1,513	1.0	12.61	99.2	0.08	1.01		0.45	5.67	4.5	56.48	1.4	18.15	5.92	74.6
06	1.386	92	1,061	<2.0	<23.12	97.8	80	925	2.0	23.12	97.5	0.07	0.81	15	0.41	4.74	5.8	67.51	1.1	12.25	6.90	79.8
07	1.278													<2								
08	1.312																					
09	1.237																					
10	1.202																					
11	1.223																					
12	1.441																					
13	2.154	128	2,300	<2.0	<35.93	98.4	96	1,725	1.0	17.97	99.0	0.11	1.98		0.96	17.25	5.5	99.36	1.8	32.52	7.34	131.9
14	1.756	120	1,758	<2.0	<29.30	98.3	70	1,025	1.0	14.65	98.6	0.13	1.90	11	0.23	3.37	7.1	103.42	<0.5	<7.32	<7.56	<110.7
15	1.643													58								
16	1.164																					
17	1.559																					
18	1.415																					
19	1.392	106	1,231	<2.0	<23.23	98.1	74	859	<1.0	11.61	98.6	0.09	1.05		0.42	4.88	4.7	54.11	1.0	11.15	5.62	65.3
20	1.326	183	2,023	<2.0	<22.11	98.9	134	1,482	2.0	22.11	98.5	0.10	1.11	10	0.71	7.85	4.7	51.75	1.3	13.93	5.94	65.7
21	1.291													<2								
22	1.447																					
23	1.439																					
24	1.280																					
25	1.170																					
26	1.256	163	1,708	<2.0	<20.95	98.8	214	2,242	<1.0	10.48	99.5	0.05	0.52		0.02	0.21	<12.5	<130.95	<0.5	<5.24	<13.00	<136.2
27	1.141	106	1,009	<2.0	<19.04	98.1	58	552	<1.0	9.52	98.3	0.08	0.76	1,360	<0.02	<0.19	<13.8	<131.36	<0.5	<4.76	<14.30	<136.1
28	1.391													3,800								
29	1.366																					





# PA MIDDLETOWN WWTP

## THICKENER MONTHLY REPORT

February

2024

DATE	RUN	FEED SLUDGE			DISCHARGE SLUDGE			POLYMER
	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01								
02	3.00	44,202	1.06	3,908	6,732	4.56	2,560	5
03								
04								
05	7.00	83,676	1.05	7,328	15,147	4.16	5,255	9
06								
07								
08	6.50	78,599	1.00	6,555	10,098	4.83	4,068	8
09								
10								
11								
12	6.50	78,092	0.94	6,122	11,781	4.43	4,353	9
13								
14	4.00	56,337	0.96	4,511	11,781	3.19	3,134	5
15								
16	4.00	50,852	0.89	3,775	6,732	3.66	2,055	4
17								
18								
19	4.50	56,875	0.87	4,127	8,415	4.39	3,081	3
20								
21								
22								
23	6.00	78,165	0.87	5,671	13,464	3.97	4,458	6
24								
25								
26	6.00	81,524	0.85	5,779	15,147	3.34	4,219	6
27								
28								
29	6.50	81,595	0.67	4,559	16,830	3.63	5,095	7
TOTAL	54	689,917	9.16	52,335	116,127	40.16	38,278	62







**VEOLIA Middletown WWTP**

Centrifuge Monthly Report

February

2024

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													
04													
05													
06													
07	6.50	30,059	2.50	6,267	3.13	29.1	349	111	21	78	5.9	10.0	
08													
09	7.00	31,949	2.58	6,875	3.44	28.9	342	99	25	86	6.1	9.0	
10													
11													
12													
13													
14													
15	3.25	15,449	2.51	3,234	1.62	29.0	337	208	12	41	5.9	9.0	
16													
17													
18													
19													
20													
21	6.00	27,515	2.44	5,599	2.80	30.5	360	129	19	63	6.8	9.0	1,090.00
22													
23													
24													
25													
26													
27													
28	6.00	23,546	2.46	4,831	2.42	30.0	417	173	21	67	6.1	9.0	
29													

REVISED 7/17/14

PA MIDDLETOWN WWTP

February, 2024

BIOSOLIDS INVENTORY

DATE	DRY TONS		TO	USE	TOTAL ON SITE
	PROCESSED	DELIVERED			
02/01/24					
02/02/24					
02/03/24					
02/04/24					
02/05/24					
02/06/24					
02/07/24	3.13				3.13
02/08/24		3.13	Amerigreen	Agriculture	0.00
02/09/24	3.44				3.44
02/10/24					
02/11/24					
02/12/24					
02/13/24					
02/14/24		3.44	Amerigreen	Agriculture	3.44
02/15/24	1.62	1.62	Amerigreen	Agriculture	0.00
02/16/24					
02/17/24					
02/18/24					
02/19/24					
02/20/24					
02/21/24	2.80				2.80
02/22/24					
02/23/24					
02/24/24					
02/25/24					
02/26/24		2.80	Amerigreen	Agriculture	0.00
02/27/24					
02/28/24	2.42				2.42
02/29/24					
Total Tons	13.41	10.99		Total Tons	15.23
Metric Tons	12.17	9.97		Metric Tons	13.82

**PA MIDDLETOWN WWTP**

**BIOSOLIDS INVENTORY**

**Feb-24**

DATE	Dry Tons (US Short Tons)		Dry Tons (Metric Tons)	
	PROCESSED	DELIVERED	PROCESSED	DELIVERED
Jan, 2024	12.94	15.76	11.74	14.30
Feb, 2024	13.41	10.99	12.17	9.97
Mar, 2024				
Apr, 2024				
May, 2024				
Jun, 2024				
Jul, 2024				
Aug, 2024				
Sep, 2024				
Oct, 2024				
Nov, 2024				
Dec, 2024				
Total	26.35	26.75	23.90	24.27
Average	13.18	13.38	11.95	12.13
Maximum	13.41	15.76	12.17	14.30
Minimum	12.94	10.99	11.74	9.97

# PA MIDDLETOWN WWTP

## BIOSOLIDS VOLATILE REDUCTION

February 2024

DAY	THICKENER DISCHARGE			SNDR			%
	TS	TVS	VS	TS	TVS	VS	VOL.
	mg/L		%	mg/L		%	REDUCT.
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19	56,000	44,296	79	26,700	15,400	58	65.2
20							
21							
22							
23							
24							
25							
26	36,000	28,440	79	26,400	15,200	58	46.6
27							
28							
29							
AVG	46000.00	36368.00	79.05	26550.00	15300.00	57.63	
% SOLIDS REDUCTION			42.28			57.93	%

# Veolia Middletown WWTP

## Biosolids Volatile Reduction

M.J. Reider Results

February 2024

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
02/19/24	56,000	44,296	79.0	26,700	15,400	58.0	65.2
02/26/24	36,000	28,440	79.0	26,400	15,200	58.0	46.6
<b>AVG</b>	<b>45,750</b>	<b>35,931</b>	<b>78.5</b>	<b>26,925</b>	<b>15,400</b>	<b>57.2</b>	
Avg. % TS Reduction		41.1	Avg. Mass Balance % VS Reduction				57.1

PA MIDDLETOWN WWTP  
2024 Annual Performance

February 2024

	Flow Data					
	Total MG	Average MG	Maximum		Minimum	
January	63	2.044	1/9/2024	4.056	1/4/2024	1.220
February	41.195	1.421	2/13/2024	2.154	27-Feb	1.141
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
<b>Total</b>	<b>104.545</b>					
Average	52.273	1.733		3.105		1.181
Maximum	63.350	2.044		4.056		1.220
Minimum	41.195	1.421		2.154		1.141

BOD / CBOD						Phosphorus, Total		Fecal Colif.
Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal	Eff mg/L	Eff Lbs	cfu/100mL
86	2	45,627	1,189	44,438	97.2	0.06	29	320
130	2	44,612	687	43,925	98.4	0.09	30	3800
		<b>90,239</b>	<b>1,876</b>	<b>88,363</b>			<b>59</b>	
108	2	45,120	938	44,182	97.8	0.08	30	
130	2	45,627	1,189	44,438	98.4	0.09	30	
86	2	44,612	687	43,925	97.2	0.06	29	

	TSS					
	Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal
January	63	1	33,338	634	32,704	97.8
February	106	1	36,332	429	35,902	98.6
March						
April						
May						
June						
July						
August						
September						
October						
November						
December						
<b>Total</b>			<b>69,670</b>	<b>1,063</b>	<b>68,606</b>	
Average	84.5	1.0	34,835	532	34,303	98.2
Maximum	106.0	1.0	36,332	634	35,902	98.6
Minimum	63.0	1.0	33,338	429	32,704	97.8

Ammonia		TKN		Nitrate+Nitrite				Fecal Colif.
Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Geo. Mean
0.40	209	0.8	407	5.44	2,872	6.21	3,279	<25
0.40	138	1.0	345	7.32	2,514	8.32	2,859	<34
	<b>347</b>	<b>2</b>	<b>752</b>		<b>5,386</b>		<b>6,138</b>	
0.40	174	1	376	6.38	2,693	7.27	3,069	
0.40	209	1	407	7.32	2,872	8.32	3,279	
0.40	138	1	345	5.44	2,514	6.21	2,859	



# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
U.S. EPA/PA DEP #06-00003

**Laboratory No.:** 2404432

**Report:** 02/13/24

**Lab Contact:** Bradley T Griffiths

**Attention:** Kodi Webb  
**Reported To:** Veolia Middletown  
453 S. Lawrence St.  
Middletown, PA 17057

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2404432-01    **Collected By:** Client    **Sampled:** 02/06/24 07:55    **Received:** 02/06/24 14:02  
**Sample Desc:** Influent (24Hr Composite)    **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	141	mg/l	2.0	SM 5210 B	02/07/24 16:43	B-04	LEH
Solids, Total Suspended	120	mg/l	1	SM 2540 D	02/07/24		JLS

**Lab ID:** 2404432-02    **Collected By:** Client    **Sampled:** 02/06/24 08:46    **Received:** 02/06/24 14:02  
**Sample Desc:** Effluent (24Hr Composite)    **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.45	mg/l	0.02	EPA 350.1 Rev 2.0	02/08/24		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	02/07/24 16:40	B-01, B-02	INW
Nitrate as N	3.95	mg/l	1.00	EPA 300.0 Rev 2.1	02/06/24 21:14		JAF
Nitrite as N	0.53	mg/l	0.10	EPA 300.0 Rev 2.1	02/06/24 21:14		JAF
Nitrate+Nitrite as N	4.48	mg/l	1.10	CALCULATED	02/06/24 21:14		JAF
Nitrogen, Total	5.92	mg/l	1.60	CALCULATED	02/09/24 17:11		SNF
Nitrogen, Total Kjeldahl (TKN)	1.44	mg/l	0.50	EPA 351.2 Rev 2.0	02/09/24		SNF
Phosphorus as P, Total	0.08	mg/l	0.01	SM 4500-P F	02/08/24		SNF
Solids, Total Suspended	1	mg/l	1	SM 2540 D	02/08/24		JLS

**Lab ID:** 2404432-03    **Collected By:** Client    **Sampled:** 02/06/24 09:49    **Received:** 02/06/24 14:02  
**Sample Desc:** Effluent (Grab)    **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	15	CFU/100ml	2	SM 9222 D	2/6/24 16:15	2/7/24 14:19		MAC



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**M.J. Reider Associates, Inc.**





**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2404432-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B4B0456	02/07/2024	SNF

**Notes and Definitions**

- B-01 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L.
- B-02 The Glucose-Glutamic Acid check was above the acceptable criteria of  $198 \pm 30.5$  mg/L.
- B-04 The difference between the highest and lowest results were greater than 30%.



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# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
U.S. EPA/PA DEP #06-00003

**Laboratory No.:** 2405653

**Report:** 02/19/24

**Lab Contact:** Bradley T Griffiths

**Attention:** Kodi Webb

**Reported To:** Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2405653-01 **Collected By:** Client

**Sampled:** 02/07/24 07:26

**Received:** 02/07/24 14:12

**Sample Desc:** Influent (24Hr Composite)

**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	91.8	mg/l	2.0	SM 5210 B	02/08/24 17:59	B-01, B-02	KMD
Solids, Total Suspended	80	mg/l	1	SM 2540 D	02/09/24		JLS

**Lab ID:** 2405653-02 **Collected By:** Client

**Sampled:** 02/07/24 08:26

**Received:** 02/07/24 14:12

**Sample Desc:** Effluent (24Hr Composite)

**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.41	mg/l	0.02	EPA 350.1 Rev 2.0	02/08/24		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	02/08/24 19:23	B-01, B-02	KMD
Nitrate as N	5.40	mg/l	1.00	EPA 300.0 Rev 2.1	02/07/24 22:19		KCS
Nitrite as N	0.44	mg/l	0.10	EPA 300.0 Rev 2.1	02/07/24 22:19		KCS
Nitrate+Nitrite as N	5.84	mg/l	1.10	CALCULATED	02/07/24 22:19		KCS
Nitrogen, Total	6.90	mg/l	1.60	CALCULATED	02/09/24 21:29		SNF
Nitrogen, Total Kjeldahl (TKN)	1.06	mg/l	0.50	EPA 351.2 Rev 2.0	02/09/24		SNF
Phosphorus as P, Total	0.07	mg/l	0.01	SM 4500-P F	02/08/24		SNF
Solids, Total Suspended	2	mg/l	1	SM 2540 D	02/09/24		JLS

**Lab ID:** 2405653-03 **Collected By:** Client

**Sampled:** 02/07/24 11:29

**Received:** 02/07/24 14:12

**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	2/7/24 16:37	2/8/24 15:54		MAC



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**M.J. Reider Associates, Inc.**





**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2405653-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B4B0456	02/07/2024	SNF

**Notes and Definitions**

- B-01 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L.
- B-02 The Glucose-Glutamic Acid check was above the acceptable criteria of  $198 \pm 30.5$  mg/L.



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# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
U.S. EPA/PA DEP #06-00003

**Laboratory No.:** 2403557

**Report:** 02/21/24

**Lab Contact:** Bradley T Griffiths

**Attention:** Kodi Webb

**Reported To:** Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2403557-01 **Collected By:** Client

**Sampled:** 02/14/24 08:14

**Received:** 02/14/24 14:03

**Sample Desc:** Influent (24Hr Composite)

**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	128	mg/l	2.0	SM 5210 B	02/15/24 11:02	B-02	EAK
Solids, Total Suspended	96	mg/l	1	SM 2540 D	02/15/24		ALD

**Lab ID:** 2403557-02 **Collected By:** Client

**Sampled:** 02/14/24 07:19

**Received:** 02/14/24 14:03

**Sample Desc:** Effluent (24Hr Composite)

**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.96	mg/l	0.02	EPA 350.1 Rev 2.0	02/15/24		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	02/15/24 14:15	B-02	KMD
Nitrate as N	4.88	mg/l	1.00	EPA 300.0 Rev 2.1	02/14/24 16:57		KCS
Nitrite as N	0.65	mg/l	0.10	EPA 300.0 Rev 2.1	02/14/24 16:57		KCS
Nitrate+Nitrite as N	5.53	mg/l	1.10	CALCULATED	02/14/24 16:57		KCS
Nitrogen, Total	7.34	mg/l	1.60	CALCULATED	02/16/24 13:18		SNF
Nitrogen, Total Kjeldahl (TKN)	1.81	mg/l	0.50	EPA 351.2 Rev 2.0	02/16/24		SNF
Phosphorus as P, Total	0.11	mg/l	0.01	SM 4500-P F	02/15/24		SNF
Solids, Total Suspended	1	mg/l	1	SM 2540 D	02/15/24		ALD

**Lab ID:** 2403557-03 **Collected By:** Client

**Sampled:** 02/14/24 10:24

**Received:** 02/14/24 14:03

**Sample Desc:** Effluent (Grab)

**Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	11	CFU/100ml	2	SM 9222 D	2/14/24 16:53	2/15/24 15:28		MAC



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
**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2403557-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B4B0977	02/15/2024	KMS

**Notes and Definitions**

B-02 The Glucose-Glutamic Acid check was above the acceptable criteria of  $198 \pm 30.5$  mg/L.



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# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
U.S. EPA/PA DEP #06-00003

**Laboratory No.:** 2405856

**Report:** 02/26/24

**Lab Contact:** Bradley T Griffiths

**Attention:** Kodi Webb  
**Reported To:** Veolia Middletown  
453 S. Lawrence St.  
Middletown, PA 17057

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2405856-01    **Collected By:** Client    **Sampled:** 02/15/24 08:32    **Received:** 02/15/24 13:12  
**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	2.0	SM 5210 B	02/16/24 16:26	B-01, B-02, B-04	KMD
Solids, Total Suspended	70	mg/l	1	SM 2540 D	02/19/24		ALD

**Lab ID:** 2405856-02    **Collected By:** Client    **Sampled:** 02/15/24 07:39    **Received:** 02/15/24 13:12  
**Sample Desc:** Effluent (24Hr Composite)    **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.23	mg/l	0.02	EPA 350.1 Rev 2.0	02/22/24		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	02/16/24 13:59		EAK
Nitrate as N	6.79	mg/l	1.00	EPA 300.0 Rev 2.1	02/15/24 14:46		KCS
Nitrite as N	0.27	mg/l	0.10	EPA 300.0 Rev 2.1	02/15/24 14:46		KCS
Nitrate+Nitrite as N	7.06	mg/l	1.10	CALCULATED	02/15/24 14:46		KCS
Nitrogen, Total	<7.56	mg/l	1.60	CALCULATED	02/16/24 17:30		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	02/16/24		SNF
Phosphorus as P, Total	0.13	mg/l	0.01	SM 4500-P F	02/22/24		SNF
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	02/19/24		ALD

**Lab ID:** 2405856-03    **Collected By:** Client    **Sampled:** 02/15/24 10:03    **Received:** 02/15/24 13:12  
**Sample Desc:** Effluent (Grab)    **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	58	CFU/100ml	2	SM 9222 D	2/15/24 14:20	2/16/24 15:16		MAC



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**M.J. Reider Associates, Inc.**





**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2405856-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B4B1029	02/15/2024	NJG

**Notes and Definitions**

- B-01 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L.
- B-02 The Glucose-Glutamic Acid check was above the acceptable criteria of  $198 \pm 30.5$  mg/L.
- B-04 The difference between the highest and lowest results were greater than 30%.



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# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
U.S. EPA/PA DEP #06-00003

**Laboratory No.:** 2406701

**Report:** 02/27/24

**Lab Contact:** Bradley T Griffiths

**Attention:** Kodi Webb  
**Reported To:** Veolia Middletown  
453 S. Lawrence St.  
Middletown, PA 17057

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2406701-01    **Collected By:** Client    **Sampled:** 02/20/24 07:43    **Received:** 02/20/24 13:25  
**Sample Desc:** Influent (24Hr Composite)    **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	106	mg/l	2.0	SM 5210 B	02/21/24 13:02	B-01, B-04	INW
Solids, Total Suspended	74	mg/l	1	SM 2540 D	02/21/24		JLS

**Lab ID:** 2406701-02    **Collected By:** Client    **Sampled:** 02/20/24 09:50    **Received:** 02/20/24 13:25  
**Sample Desc:** Effluent (24Hr Composite)    **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.42	mg/l	0.02	EPA 350.1 Rev 2.0	02/23/24		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	02/21/24 11:36		INW
Nitrate as N	4.26	mg/l	1.00	EPA 300.0 Rev 2.1	02/20/24 14:45		KCS
Nitrite as N	0.40	mg/l	0.10	EPA 300.0 Rev 2.1	02/20/24 14:45		KCS
Nitrate+Nitrite as N	4.66	mg/l	1.10	CALCULATED	02/20/24 14:45		KCS
Nitrogen, Total	5.62	mg/l	1.60	CALCULATED	02/21/24 22:21		SNF
Nitrogen, Total Kjeldahl (TKN)	0.96	mg/l	0.50	EPA 351.2 Rev 2.0	02/21/24		SNF
Phosphorus as P, Total	0.09	mg/l	0.01	SM 4500-P F	02/23/24		SNF
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	02/21/24		JLS

**Lab ID:** 2406701-03    **Collected By:** Client    **Sampled:** 02/20/24 10:03    **Received:** 02/20/24 13:25  
**Sample Desc:** Effluent (Grab)    **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	10	CFU/100ml	2	SM 9222 D	2/20/24 16:02	2/21/24 14:50		MAC



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**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2406701-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B4B1523	02/22/2024	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%.



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# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
U.S. EPA/PA DEP #06-00003

**Laboratory No.:** 2407471

**Report:** 02/28/24

**Lab Contact:** Bradley T Griffiths

**Attention:** Kodi Webb  
**Reported To:** Veolia Middletown  
453 S. Lawrence St.  
Middletown, PA 17057

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2407471-01    **Collected By:** Client    **Sampled:** 02/21/24 08:18    **Received:** 02/21/24 14:36  
**Sample Desc:** Influent (24Hr Composite)    **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	183	mg/l	2.0	SM 5210 B	02/22/24 13:02	B-04	EAK
Solids, Total Suspended	134	mg/l	1	SM 2540 D	02/22/24		JLS

**Lab ID:** 2407471-02    **Collected By:** Client    **Sampled:** 02/21/24 07:51    **Received:** 02/21/24 14:36  
**Sample Desc:** Effluent (24Hr Composite)    **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.71	mg/l	0.02	EPA 350.1 Rev 2.0	02/23/24		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	02/22/24 15:25	B-02	KMD
Nitrate as N	4.19	mg/l	1.00	EPA 300.0 Rev 2.1	02/21/24 22:55		KCS
Nitrite as N	0.49	mg/l	0.10	EPA 300.0 Rev 2.1	02/21/24 22:55		KCS
Nitrate+Nitrite as N	4.68	mg/l	1.10	CALCULATED	02/21/24 22:55		KCS
Nitrogen, Total	5.94	mg/l	1.60	CALCULATED	02/26/24 11:37		JMW
Nitrogen, Total Kjeldahl (TKN)	1.26	mg/l	0.50	EPA 351.2 Rev 2.0	02/26/24		JMW
Phosphorus as P, Total	0.10	mg/l	0.01	SM 4500-P F	02/23/24		SNF
Solids, Total Suspended	2	mg/l	1	SM 2540 D	02/22/24		JLS

**Lab ID:** 2407471-03    **Collected By:** Client    **Sampled:** 02/21/24 12:31    **Received:** 02/21/24 14:36  
**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	2/21/24 16:54	2/22/24 15:13		MAC



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**M.J. Reider Associates, Inc.**





**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2407471-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B4B1523	02/22/2024	SNF

**Notes and Definitions**

- B-02 The Glucose-Glutamic Acid check was above the acceptable criteria of  $198 \pm 30.5$  mg/L.
- B-04 The difference between the highest and lowest results were greater than 30%.



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# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
U.S. EPA/PA DEP #06-00003

**Laboratory No.:** 2406964

**Report:** 03/05/24

**Lab Contact:** Bradley T Griffiths

**Attention:** Kodi Webb

**Reported To:** Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2406964-01 **Collected By:** Client

**Sampled:** 02/27/24 08:37

**Received:** 02/27/24 14:15

**Sample Desc:** Influent (24Hr Composite)

**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	163	mg/l	2.0	SM 5210 B	02/28/24 17:31		INW
Solids, Total Suspended	214	mg/l	1	SM 2540 D	02/29/24		ALD

**Lab ID:** 2406964-02 **Collected By:** Client

**Sampled:** 02/27/24 08:02

**Received:** 02/27/24 14:15

**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	02/29/24		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	02/28/24 14:10		INW
Nitrate as N	12.4	mg/l	1.00	EPA 300.0 Rev 2.1	02/27/24 16:09		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	02/27/24 16:09		KCS
Nitrate+Nitrite as N	<12.50	mg/l	1.10	CALCULATED	02/27/24 16:09		KCS
Nitrogen, Total	<13.00	mg/l	1.60	CALCULATED	02/29/24 12:06		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	02/29/24		SNF
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	02/29/24		SNF
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	02/28/24		ALD

**Lab ID:** 2406964-03 **Collected By:** Client

**Sampled:** 02/27/24 11:45

**Received:** 02/27/24 14:15

**Sample Desc:** Effluent (Grab)

**Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	1360	CFU/100ml	2	SM 9222 D	2/27/24 16:30	2/28/24 15:04		MAC



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**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2406964-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B4B1957	02/29/2024	SNF



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# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
U.S. EPA/PA DEP #06-00003

**Laboratory No.:** 2408814

**Report:** 03/06/24

**Lab Contact:** Bradley T Griffiths

**Attention:** Kodi Webb

**Reported To:** Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2408814-01 **Collected By:** Jade S Eversole

**Sampled:** 02/28/24 08:41

**Received:** 02/28/24 14:31

**Sample Desc:** Influent (24Hr Composite)

**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	106	mg/l	2.0	SM 5210 B	02/29/24 14:15		KMD
Solids, Total Suspended	58	mg/l	1	SM 2540 D	03/01/24		ALD

**Lab ID:** 2408814-02 **Collected By:** Jade S Eversole

**Sampled:** 02/28/24 09:41

**Received:** 02/28/24 14:31

**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	02/29/24		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	02/29/24 12:30		EAK
Nitrate as N	13.2	mg/l	1.00	EPA 300.0 Rev 2.1	02/28/24 16:45		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	02/28/24 16:45		KCS
Nitrate+Nitrite as N	<13.30	mg/l	1.10	CALCULATED	02/28/24 16:45		KCS
Nitrogen, Total	<13.80	mg/l	1.60	CALCULATED	03/04/24 15:58		JMW
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	03/04/24		JMW
Phosphorus as P, Total	0.08	mg/l	0.01	SM 4500-P F	02/29/24		SNF
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	02/29/24		ALD

**Lab ID:** 2408814-03 **Collected By:** Jade S Eversole

**Sampled:** 02/28/24 09:41

**Received:** 02/28/24 14:31

**Sample Desc:** Effluent (Grab)

**Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	3800	CFU/100ml	2	SM 9222 D	2/28/24 16:12	2/29/24 15:54		MAC



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**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2408814-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B4B1956	02/29/2024	SNF

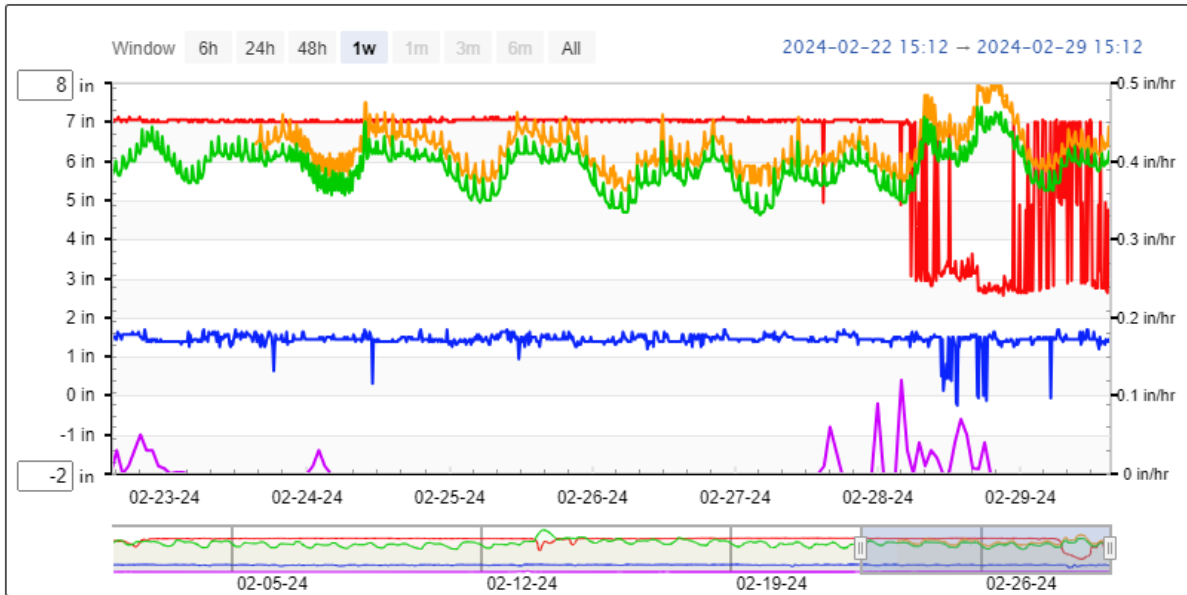


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Time Period Custom Date Range 2024-02-01 15:12 - 2024-02-29 15:12 Long Filter No Filter

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 + - Total: 0.90 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								
February, 2024								
Maximum Day		1,056,723					Days pumped	29
Minimum Day		767,619						
Date	Well No.1	Well No.2	Well No.3	Well No.4	Well No.5	Well No.6	Total	Union Booster
01	171,414	306,052			95,794	299,297	872,557	166,963
02	177,707	305,845			99,255	310,615	893,422	163,738
03	19,221	304,993			107,605	335,800	767,619	171,155
04	203,437	304,598			113,942	354,825	976,802	209,933
05	187,923	304,801			105,104	327,923	925,751	204,495
06	217,974	303,751			121,103	379,199	1,022,027	179,911
07	166,029	301,205			89,989	289,168	846,391	146,396
08	178,040	303,630			99,489	310,473	891,632	201,689
09	178,233	303,626			99,858	311,838	893,555	193,578
10	198,872	302,182			111,140	347,266	959,460	156,299
11	201,009	300,557			112,569	350,179	964,314	157,909
12	181,494	300,947			101,813	316,833	901,087	171,734
13	201,848	299,900			113,036	350,439	965,223	159,758
14	193,843	300,290			108,553	336,657	939,343	194,274
15	229,272	300,116			128,295	399,040	1,056,723	184,026
16	185,853	299,798			104,148	324,128	913,927	179,138
17	234,292	298,789			28,401	404,399	965,881	161,851
18	174,664	299,002			102,006	302,040	877,712	161,578
19	198,298	298,636			110,992	342,987	950,913	155,016
20	189,924	298,489			106,311	328,815	923,539	160,548
21	201,368	298,182			112,520	310,485	922,555	200,620
22	180,190	298,654			100,966	313,576	893,386	182,542
23	225,689	297,816			126,451	381,152	1,031,108	182,561
24	181,172	297,870			101,297	314,382	894,721	167,475
25	174,414	297,970			97,716	302,659	872,759	165,832
26	200,197	297,443			112,357	348,710	958,707	155,611
27	183,295	297,245			102,982	320,039	903,561	176,001
28	187,839	297,098			106,349	330,553	921,839	205,553
29	215,557	297,855			120,874	376,173	1,010,459	197,238
Totals:	5,439,068	8,717,340			3,040,915	9,719,650	26,916,973	5,113,422
Maximum	234,292	306,052			128,295	404,399	1,056,723	209,933
Minimum	19,221	297,098			28,401	289,168	767,619	146,396
Average	187,554	300,598			104,859	335,160	928,171	176,325

	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	Feb		1 Thu														
6			2 Fri														
7				3 Sat													
8				4 Sun													
9				5 Mon													
10				6 Tue	2-6-24	7.20	12.0	333.0	202.00	104.00	0.06	22.10	<0.02	<0.01	237.00	620.00	7.20
11				7 Wed													
12				8 Thu													
13				9 Fri													
14				10 Sat													
15				11 Sun													
16				12 Mon													
17				13 Tue													
18				14 Wed	2-14-24	7.10	14.0	330.0	201.00	103.00	0.05	22.80	<0.02	<0.01	232.00	740.00	7.10
19				15 Thu													
20				16 Fri													
21				17 Sat													
22				18 Sun													
23				19 Mon													
24				20 Tue	2-20-24	7.20	12.0	348.0	204.00	108.00	0.03	22.80	<0.02	<0.01	256.00	747.00	7.20
25				21 Wed													
26				22 Thu													
27				23 Fri													
28				24 Sat													
29				25 Sun													
30				26 Mon													
31				27 Tue	2-27-24	7.10	14.0	339.0	200.00	107.00	0.05	23.70	<0.02	<0.01	242.00	747.00	7.10
32				28 Wed													
33				29 Thu													
35		MINIMUM		2-14-24	7.10	12.0	330.0	200.00	103.00	0.03	22.10	<0.02	<0.01	232.00	620.00	7.10	
36		MAXIMUM		2-6-24	7.20	14.0	348.0	204.00	108.00	0.06	23.70	<0.02	<0.01	256.00	747.00	7.20	
37		AVERAGE		1	7.15	13.0	337.5	201.75	105.50	0.05	22.85	<0.02	<0.01	241.75	713.50	2.65	
38		SUM		4	28.60	52.0	1,350.0	807.00	422.00	0.19	91.40	<0.08	<0.04	967.00	2,854.00	10.60	



# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2404751

**Reported:** 02/12/24

**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:** 2404751-01    **Collected By:** Client  
**Sample Desc:** 701 Middletown WWTP  
**Notes:**

**Sampled:** 02/06/24 08:40    **Received:** 02/06/24 14:02  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038    **Loc ID:** 701

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	2/6/24 17:34	2/7/24 11:46		JMW	N/A 1

**Lab ID:** 2404751-02    **Collected By:** Client  
**Sample Desc:** 703 North Union Street Booster Station  
**Notes:**

**Sampled:** 02/06/24 08:07    **Received:** 02/06/24 14:02  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038    **Loc ID:** 703

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	2/6/24 17:12	2/7/24 11:19		JMW	N/A 1

**Lab ID:** 2404751-03    **Collected By:** Client  
**Sample Desc:** 706 North Union Street Standpipe  
**Notes:**

**Sampled:** 02/06/24 08:20    **Received:** 02/06/24 14:02  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038    **Loc ID:** 706

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	2/6/24 17:34	2/7/24 11:46		JMW	N/A 1



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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	011724	701		011624	D	0912	06003	2400032-01	KISTLERC_654
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	020724	701		020624	D	0840	06003	2404751-01	KISTLERC_2756
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	011724	703		011624	D	0843	06003	2400032-02	KISTLERC_655
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	020724	703		020624	D	0807	06003	2404751-02	KISTLERC_2757
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	011024	704		010924	D	0840	06003	2400225-01	KISTLERC_133
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	012424	704		012324	D	0815	06003	2402682-01	KISTLERC_1385
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	011024	705		010924	D	0707	06003	2400225-02	KISTLERC_134
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	012424	705		012324	D	0801	06003	2402682-02	KISTLERC_1386
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	020724	706		020624	D	0820	06003	2404751-03	KISTLERC_2758
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	011724	707		011624	D	0858	06003	2400032-03	KISTLERC_656

**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	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1098
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1101
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1104
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1107
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1110

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**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	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1113
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1116
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1119
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1122
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1125
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1128
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1131
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1134
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1137
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1140
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0070	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1143
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1146
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1149
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1152
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1155
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		011224	006		010824	R	1133	06003	2400029-02	KISTLERC_1158
7220038	1005	ARSENIC (IOC)	170	0.0	0.00100		011224	100		010824	E	1118	06003	2400035-01	KISTLERC_705
7220038	1010	BARIUM (IOC)	170	0.0	0.40000		011624	100		010824	E	1118	06003	2400035-01	KISTLERC_735
7220038	1015	CADMIUM (IOC)	170	0.0	0.00100		011624	100		010824	E	1118	06003	2400035-01	KISTLERC_765
7220038	1020	CHROMIUM (IOC)	170	0.0	0.02000		011224	100		010824	E	1118	06003	2400035-01	KISTLERC_796

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**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	1024	CYANIDE (FREE) (IOC)	185	0.0	0.01000		011224	100		010824	E	1118	06003	2400035-01	KISTLERC_826
7220038	1025	FLUORIDE (IOC)	120	0.0	0.50000		011024	100		010824	E	1118	06003	2400035-01	KISTLERC_856
7220038	1035	MERCURY (IOC)	103	0.0	0.00040		011724	100		010824	E	1118	06003	2400035-01	KISTLERC_914
7220038	1036	NICKEL (IOC)	170	0.0	0.00500		011224	100		010824	E	1118	06003	2400035-01	KISTLERC_944
7220038	1045	SELENIUM (IOC)	170	0.0	0.01000		011224	100		010824	E	1118	06003	2400035-01	KISTLERC_990
7220038	1074	ANTIMONY (IOC)	170	0.0	0.00100		011624	100		010824	E	1118	06003	2400035-01	KISTLERC_1021
7220038	1075	BERYLLIUM (IOC)	170	0.0	0.00080		011224	100		010824	E	1118	06003	2400035-01	KISTLERC_1051
7220038	1085	THALLIUM (IOC)	170	0.0	0.00100		011624	100		010824	E	1118	06003	2400035-01	KISTLERC_1081
7220038	1005	ARSENIC (IOC)	170	0.0	0.00100		011224	102		010824	E	1113	06003	2400035-02	KISTLERC_706
7220038	1010	BARIUM (IOC)	170	0.0	0.40000		011624	102		010824	E	1113	06003	2400035-02	KISTLERC_736
7220038	1015	CADMIUM (IOC)	170	0.0	0.00100		011624	102		010824	E	1113	06003	2400035-02	KISTLERC_766
7220038	1020	CHROMIUM (IOC)	170	0.0	0.02000		011224	102		010824	E	1113	06003	2400035-02	KISTLERC_797
7220038	1024	CYANIDE (FREE) (IOC)	185	0.0	0.01000		011224	102		010824	E	1113	06003	2400035-02	KISTLERC_827
7220038	1025	FLUORIDE (IOC)	120	0.0	0.50000		011024	102		010824	E	1113	06003	2400035-02	KISTLERC_857
7220038	1035	MERCURY (IOC)	103	0.0	0.00040		011724	102		010824	E	1113	06003	2400035-02	KISTLERC_915
7220038	1036	NICKEL (IOC)	170	0.0	0.00500		011224	102		010824	E	1113	06003	2400035-02	KISTLERC_945
7220038	1045	SELENIUM (IOC)	170	0.0	0.01000		011224	102		010824	E	1113	06003	2400035-02	KISTLERC_991
7220038	1074	ANTIMONY (IOC)	170	0.0	0.00100		011624	102		010824	E	1113	06003	2400035-02	KISTLERC_1022
7220038	1075	BERYLLIUM (IOC)	170	0.0	0.00080		011224	102		010824	E	1113	06003	2400035-02	KISTLERC_1052
7220038	1085	THALLIUM (IOC)	170	0.0	0.00100		011624	102		010824	E	1113	06003	2400035-02	KISTLERC_1082

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SAFE DRINKING WATER ACT  
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**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	1005	ARSENIC (IOC)	170	0.0020	0.00100		011224	105		010824	E	1153	06003	2400036-02	KISTLERC_707
7220038	1010	BARIUM (IOC)	170	0.0	0.40000		011624	105		010824	E	1153	06003	2400036-02	KISTLERC_737
7220038	1015	CADMIUM (IOC)	170	0.0	0.00100		011624	105		010824	E	1153	06003	2400036-02	KISTLERC_767
7220038	1020	CHROMIUM (IOC)	170	0.0	0.02000		011224	105		010824	E	1153	06003	2400036-02	KISTLERC_798
7220038	1024	CYANIDE (FREE) (IOC)	185	0.0	0.01000		011224	105		010824	E	1153	06003	2400036-02	KISTLERC_828
7220038	1025	FLUORIDE (IOC)	120	0.0	0.50000		011024	105		010824	E	1153	06003	2400036-02	KISTLERC_858
7220038	1035	MERCURY (IOC)	103	0.0	0.00040		011724	105		010824	E	1153	06003	2400036-02	KISTLERC_916
7220038	1036	NICKEL (IOC)	170	0.0	0.00500		011224	105		010824	E	1153	06003	2400036-02	KISTLERC_946
7220038	1045	SELENIUM (IOC)	170	0.0	0.01000		011224	105		010824	E	1153	06003	2400036-02	KISTLERC_992
7220038	1074	ANTIMONY (IOC)	170	0.0	0.00100		011624	105		010824	E	1153	06003	2400036-02	KISTLERC_1023
7220038	1075	BERYLLIUM (IOC)	170	0.0	0.00250		011624	105		010824	E	1153	06003	2400036-02RE1	KISTLERC_1053
7220038	1085	THALLIUM (IOC)	170	0.0	0.00100		011624	105		010824	E	1153	06003	2400036-02	KISTLERC_1083
7220038	1005	ARSENIC (IOC)	170	0.0020	0.00100		011224	106		010824	E	1143	06003	2400036-03	KISTLERC_708
7220038	1010	BARIUM (IOC)	170	0.0	0.40000		011624	106		010824	E	1143	06003	2400036-03	KISTLERC_738
7220038	1015	CADMIUM (IOC)	170	0.0	0.00100		011624	106		010824	E	1143	06003	2400036-03	KISTLERC_768
7220038	1020	CHROMIUM (IOC)	170	0.0	0.02000		011224	106		010824	E	1143	06003	2400036-03	KISTLERC_799
7220038	1024	CYANIDE (FREE) (IOC)	185	0.0	0.01000		011224	106		010824	E	1143	06003	2400036-03	KISTLERC_829
7220038	1025	FLUORIDE (IOC)	120	0.0	0.50000		011024	106		010824	E	1143	06003	2400036-03	KISTLERC_859
7220038	1035	MERCURY (IOC)	103	0.0	0.00040		011724	106		010824	E	1143	06003	2400036-03	KISTLERC_917
7220038	1036	NICKEL (IOC)	170	0.0	0.00500		011224	106		010824	E	1143	06003	2400036-03	KISTLERC_947



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**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	1045	SELENIUM (IOC)	170	0.0	0.01000		011224	106		010824	E	1143	06003	2400036-03	KISTLERC_993
7220038	1074	ANTIMONY (IOC)	170	0.0	0.00100		011624	106		010824	E	1143	06003	2400036-03	KISTLERC_1024
7220038	1075	BERYLLIUM (IOC)	170	0.0	0.00250		011624	106		010824	E	1143	06003	2400036-03RE1	KISTLERC_1054
7220038	1085	THALLIUM (IOC)	170	0.0	0.00100		011624	106		010824	E	1143	06003	2400036-03	KISTLERC_1084





# Certificate of Analysis

## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2404750

**Reported:** 02/13/24

**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:** 2404750-01    **Collected By:** Client    **Sampled:** 02/06/24 08:43    **Received:** 02/06/24 14:02  
**Sample Desc:** WWTP Lab Sink    **Sample Type:** Grab

### Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
<b>General Chemistry</b>									
Alkalinity, Total to pH 4.5	202	mg CaCO3/L	20	SM 2320 B	02/06/24		ORL	N/A N/A	
Total Hardness as CaCO3	333	mg/l	4.56	CALCULATED	02/07/24		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	02/09/24		JMW	N/A N/A	
Silica as SiO2	22.1	mg/l	2.14	CALCULATED	02/07/24		HRG	N/A N/A	
Conductivity	620	umhos/cm	10	SM 2510 B	02/09/24		ORL	N/A N/A	
<b>Total Metals</b>									
Calcium	104	mg/l	1	EPA 200.7 Rev 4.4	02/07/24		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	02/08/24		HRG	N/A 0.3	PASS
Magnesium	17.9	mg/l	0.5	EPA 200.7 Rev 4.4	02/07/24		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	02/08/24		MPB	N/A 0.05	PASS
Silicon	10.3	mg/l	1.0	EPA 200.7 Rev 4.4	02/07/24		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	Prepared Date	Prepared By
<b>2404750-01</b>			
SM 4500-P F	SM 4500-P B	02/08/2024	JMW



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# Certificate of Analysis

## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2404749

**Reported:** 02/14/24

**Lab Contact:** Christina M Kistler

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

**Project:** DW-Quarterly VOCS  
7220038

**Lab ID:** 2404749-01    **Collected By:** Client  
**Sample Desc:** 106 Entry Point Well #6

**Sampled:** 02/07/24 06:55    **Received:** 02/07/24 14:12  
**PADEP Type:** E-Entry Point

**Notes:**

**PWSID:** 7220038

**Loc ID:** 106

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
<b>Volatiles</b>								
1,1,1-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.2
1,1,2-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.005
1,1-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.007
1,2,4-Trichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.07
1,2-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.6
1,2-Dichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.005
1,2-Dichloropropane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.005
1,4-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.075
Benzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.005
Carbon Tetrachloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.005
Chlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.1
Cis-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.07
Ethylbenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.7
Methylene Chloride (Dichloromethane)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.005
Styrene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.1
Tetrachloroethene (PCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.005
Toluene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 1
Trans-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.1
Trichloroethene (TCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.005
Vinyl Chloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 0.002
Xylenes, Total	<0.0010	mg/l	0.0010	EPA 524.2 Rev 4.1	02/08/24		WJS	N/A 10
<b>Surrogates</b>								
1,2-Dichlorobenzene-d4	102%		70-130	EPA 524.2 Rev 4.1	02/08/24		WJS	
4-Bromofluorobenzene	96.8%		70-130	EPA 524.2 Rev 4.1	02/08/24		WJS	



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**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	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_382
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_384
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_386
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_388
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_390
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_392
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_394
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_396
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_398
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_400
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_402
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_404
7220038	2983	1,2-DICHLOROPROPANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_406
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_408
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_410
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_412
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_414
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_416
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_418



E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT  
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**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	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_420
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_422



# Certificate of Analysis

## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2405858

**Reported:** 02/20/24

**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:** 2405858-01    **Collected By:** Client  
**Sample Desc:** 704 Village of Pineford Office  
**Notes:**

**Sampled:** 02/14/24 08:43    **Received:** 02/14/24 14:03  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038    **Loc ID:** 704

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	2/14/24 15:14	2/15/24 9:30		JMW	N/A 1

**Lab ID:** 2405858-02    **Collected By:** Client  
**Sample Desc:** 705 High Street Standpipe  
**Notes:**

**Sampled:** 02/14/24 08:09    **Received:** 02/14/24 14:03  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038    **Loc ID:** 705

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	2/14/24 15:14	2/15/24 9:30		JMW	N/A 1



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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	021524	704		021424	D	0843	06003	2405858-01	KISTLERC_556
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021524	705		021424	D	0809	06003	2405858-02	KISTLERC_557

**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	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_382
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_384
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_386
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_388
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_390
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_392
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_394
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_396
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_398
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_400
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_402
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_404
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_406

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT  
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**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	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_408
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_410
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_412
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_414
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_416
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_418
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_420
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_422



# Certificate of Analysis

## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2405857

**Reported:** 02/26/24

**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:** 2405857-01    **Collected By:** Client    **Sampled:** 02/14/24 09:05    **Received:** 02/14/24 14:03  
**Sample Desc:** WWTP Lab Sink    **Sample Type:** Grab

### Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
<b>General Chemistry</b>									
Alkalinity, Total to pH 4.5	201	mg CaCO3/L	20	SM 2320 B	02/15/24		ORL	N/A N/A	
Total Hardness as CaCO3	330	mg/l	4.56	CALCULATED	02/16/24		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	02/16/24		SNF	N/A N/A	
Silica as SiO2	22.8	mg/l	2.14	CALCULATED	02/22/24		HRG	N/A N/A	
Conductivity	740	umhos/cm	10	SM 2510 B	02/16/24		ORL	N/A N/A	
<b>Total Metals</b>									
Calcium	103	mg/l	1	EPA 200.7 Rev 4.4	02/16/24		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	02/15/24		HRG	N/A 0.3	PASS
Magnesium	17.7	mg/l	0.5	EPA 200.7 Rev 4.4	02/16/24		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	02/15/24		MPB	N/A 0.05	PASS
Silicon	10.7	mg/l	1.0	EPA 200.7 Rev 4.4	02/22/24		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	Prepared Date	Prepared By
<b>2405857-01</b> SM 4500-P F	SM 4500-P B	02/15/2024	SNF



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# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2404404

**Reported:** 02/29/24

**Lab Contact:** Christina M Kistler

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

**Project:** 105 Entry Point Well #5 PFOA & PFOS

**Lab ID:** 2404404-01    **Collected By:** Courtney A Moyer    **Sampled:** 02/14/24 11:24    **Received:** 02/14/24 14:03  
**Sample Desc:** 105 Entry Point Well #5    **PADEP Type:**  
**Notes:**    **PWSID:** 7220038    **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
<b>Subcontracted</b>								
Perfluorooctanesulfonic acid (PFOS)	11	ng/L	1.9	EPA 537.1	02/22/24	EEAS	MH	N/A 18
Perfluorooctanoic acid (PFOA)	5.6	ng/L	1.9	EPA 537.1	02/22/24	EEAS	MH	N/A 14
<b>Surrogates</b>								
13C2 PFDA	85%		70-130	EPA 537.1	02/22/24 4:07	EEAS	MH	
13C2 PFHxA	86%		70-130	EPA 537.1	02/22/24 4:07	EEAS	MH	
13C3 HFPO-DA	88%		70-130	EPA 537.1	02/22/24 4:07	EEAS	MH	
d5-NEtFOSAA	88%		70-130	EPA 537.1	02/22/24 4:07	EEAS	MH	

**Lab ID:** 2404404-02    **Collected By:** Courtney A Moyer    **Sampled:** 02/14/24 11:25    **Received:** 02/14/24 14:03  
**Sample Desc:** 105 Field Blank    **PADEP Type:**  
**Notes:**    **PWSID:** 7220038    **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
<b>Subcontracted</b>								
Perfluorooctanesulfonic acid (PFOS)	<1.9	ng/L	1.9	EPA 537.1	02/23/24	EEAS	BS	N/A 18
Perfluorooctanoic acid (PFOA)	<1.9	ng/L	1.9	EPA 537.1	02/23/24	EEAS	BS	N/A 14
<b>Surrogates</b>								
13C2 PFDA	105%		70-130	EPA 537.1	02/23/24 22:10	EEAS	BS	
13C2 PFHxA	100%		70-130	EPA 537.1	02/23/24 22:10	EEAS	BS	
13C3 HFPO-DA	96%		70-130	EPA 537.1	02/23/24 22:10	EEAS	BS	
d5-NEtFOSAA	100%		70-130	EPA 537.1	02/23/24 22:10	EEAS	BS	



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**M.J. Reider Associates, Inc.**

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**Notes and Definitions**

EEAS      Analysis subcontracted to: Eurofins Eaton Analytical South Bend, Certification ID: 68-00466



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**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	2805	PERFLUOROOCETANESULFONIC ACID	239	7.6	0.50000		022224	101		021424	E	1057	68466	810-94038-1	REEVESW_268
7220038	2806	PERFLUOROOCETANOIC ACID	239	2.8	0.47000		022224	101		021424	E	1057	68466	810-94038-1	REEVESW_269
7220038	2805	PERFLUOROOCETANESULFONIC ACID	239	8.8	0.50000		022024	102		021424	E	1057	68466	810-94019-1	REEVESW_260
7220038	2806	PERFLUOROOCETANOIC ACID	239	4.4	0.47000		022024	102		021424	E	1057	68466	810-94019-1	REEVESW_261
7220038	2805	PERFLUOROOCETANESULFONIC ACID	239	11.0	0.50000		022224	105		021424	E	1124	68466	810-94040-1	REEVESW_270
7220038	2806	PERFLUOROOCETANOIC ACID	239	5.6	0.47000		022224	105		021424	E	1124	68466	810-94040-1	REEVESW_271
7220038	2805	PERFLUOROOCETANESULFONIC ACID	239	6.9	0.49000		022024	106		021424	E	1113	68466	810-94022-1	REEVESW_262
7220038	2806	PERFLUOROOCETANOIC ACID	239	5.0	0.47000		022024	106		021424	E	1113	68466	810-94022-1	REEVESW_263



# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2404377

**Reported:** 02/28/24

**Lab Contact:** Christina M Kistler

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

**Project:** 100 Entry Point Well #1 PFOA & PFOS

**Lab ID:** 2404377-01    **Collected By:** Courtney A Moyer    **Sampled:** 02/14/24 10:57    **Received:** 02/14/24 14:03  
**Sample Desc:** 100 Entry Point Well #1    **PADEP Type:**  
**Notes:**    **PWSID:** 7220038    **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
<b>Subcontracted</b>								
Perfluorooctanesulfonic acid (PFOS)	7.6	ng/L	1.9	EPA 537.1	02/22/24	EEAS	MH	N/A 18
Perfluorooctanoic acid (PFOA)	2.8	ng/L	1.9	EPA 537.1	02/22/24	EEAS	MH	N/A 14
<b>Surrogates</b>								
13C2 PFDA	84%		70-130	EPA 537.1	02/22/24 3:57	EEAS	MH	
13C2 PFHxA	85%		70-130	EPA 537.1	02/22/24 3:57	EEAS	MH	
13C3 HFPO-DA	83%		70-130	EPA 537.1	02/22/24 3:57	EEAS	MH	
d5-NEtFOSAA	84%		70-130	EPA 537.1	02/22/24 3:57	EEAS	MH	

**Lab ID:** 2404377-02    **Collected By:** Courtney A Moyer    **Sampled:** 02/14/24 10:58    **Received:** 02/14/24 14:03  
**Sample Desc:** 100 Field Blank    **PADEP Type:**  
**Notes:**    **PWSID:** 7220038    **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
<b>Subcontracted</b>								
Perfluorooctanesulfonic acid (PFOS)	<1.9	ng/L	1.9	EPA 537.1	02/23/24	EEAS	BS	N/A 18
Perfluorooctanoic acid (PFOA)	<1.9	ng/L	1.9	EPA 537.1	02/23/24	EEAS	BS	N/A 14
<b>Surrogates</b>								
13C2 PFDA	100%		70-130	EPA 537.1	02/23/24 22:00	EEAS	BS	
13C2 PFHxA	107%		70-130	EPA 537.1	02/23/24 22:00	EEAS	BS	
13C3 HFPO-DA	99%		70-130	EPA 537.1	02/23/24 22:00	EEAS	BS	
d5-NEtFOSAA	101%		70-130	EPA 537.1	02/23/24 22:00	EEAS	BS	



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**M.J. Reider Associates, Inc.**

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**Notes and Definitions**

EEAS      Analysis subcontracted to: Eurofins Eaton Analytical South Bend, Certification ID: 68-00466



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**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	2805	PERFLUOROOCETANESULFONIC ACID	239	7.6	0.50000		022224	101		021424	E	1057	68466	810-94038-1	REEVESW_268
7220038	2806	PERFLUOROOCETANOIC ACID	239	2.8	0.47000		022224	101		021424	E	1057	68466	810-94038-1	REEVESW_269
7220038	2805	PERFLUOROOCETANESULFONIC ACID	239	8.8	0.50000		022024	102		021424	E	1057	68466	810-94019-1	REEVESW_260
7220038	2806	PERFLUOROOCETANOIC ACID	239	4.4	0.47000		022024	102		021424	E	1057	68466	810-94019-1	REEVESW_261
7220038	2805	PERFLUOROOCETANESULFONIC ACID	239	6.9	0.49000		022024	106		021424	E	1113	68466	810-94022-1	REEVESW_262
7220038	2806	PERFLUOROOCETANOIC ACID	239	5.0	0.47000		022024	106		021424	E	1113	68466	810-94022-1	REEVESW_263



# Certificate of Analysis

## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2404389  
**Reported:** 02/28/24  
**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:** 2404389-01    **Collected By:** Courtney A Moyer    **Sampled:** 02/14/24 10:57    **Received:** 02/14/24 14:03  
**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/Max
<b>Subcontracted</b>								
Perfluorooctanesulfonic acid (PFOS)	8.8	ng/L	1.9	EPA 537.1	02/20/24	EEAS	BS	N/A 18
Perfluorooctanoic acid (PFOA)	4.4	ng/L	1.9	EPA 537.1	02/20/24	EEAS	BS	N/A 14
<b>Surrogates</b>								
13C2 PFDA	103%		70-130	EPA 537.1	02/20/24 13:57	EEAS	BS	
13C2 PFHxA	98%		70-130	EPA 537.1	02/20/24 13:57	EEAS	BS	
13C3 HFPO-DA	98%		70-130	EPA 537.1	02/20/24 13:57	EEAS	BS	
d5-NEtFOSAA	96%		70-130	EPA 537.1	02/20/24 13:57	EEAS	BS	

**Lab ID:** 2404389-02    **Collected By:** Courtney A Moyer    **Sampled:** 02/14/24 10:58    **Received:** 02/14/24 14:03  
**Sample Desc:** 102 Field Blank    **PADEP Type:**  
**Notes:**    **PWSID:** 7220038    **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
<b>Subcontracted</b>								
Perfluorooctanesulfonic acid (PFOS)	<1.9	ng/L	1.9	EPA 537.1	02/23/24	EEAS	BS	N/A 18
Perfluorooctanoic acid (PFOA)	<1.9	ng/L	1.9	EPA 537.1	02/23/24	EEAS	BS	N/A 14
<b>Surrogates</b>								
13C2 PFDA	103%		70-130	EPA 537.1	02/23/24 23:46	EEAS	BS	
13C2 PFHxA	103%		70-130	EPA 537.1	02/23/24 23:46	EEAS	BS	
13C3 HFPO-DA	98%		70-130	EPA 537.1	02/23/24 23:46	EEAS	BS	
d5-NEtFOSAA	101%		70-130	EPA 537.1	02/23/24 23:46	EEAS	BS	



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**M.J. Reider Associates, Inc.**

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**Notes and Definitions**

EEAS      Analysis subcontracted to: Eurofins Eaton Analytical South Bend, Certification ID: 68-00466



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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	2805	PERFLUOROOCETANESULFONIC ACID	239	8.8	0.50000		022024	102		021424	E	1057	68466	810-94019-1	REEVESW_260
7220038	2806	PERFLUOROOCETANOIC ACID	239	4.4	0.47000		022024	102		021424	E	1057	68466	810-94019-1	REEVESW_261



# Certificate of Analysis

## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2404407  
**Reported:** 02/28/24  
**Lab Contact:** Christina M Kistler

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

**Project:** 106 Entry Point Well #6 PFOA & PFOS

**Lab ID:** 2404407-01    **Collected By:** Courtney A Moyer    **Sampled:** 02/14/24 11:13    **Received:** 02/14/24 14:03  
**Sample Desc:** 106 Entry Point Well #6    **PADEP Type:**  
**Notes:**    **PWSID:** 7220038    **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
<b>Subcontracted</b>								
Perfluorooctanesulfonic acid (PFOS)	6.9	ng/L	1.9	EPA 537.1	02/20/24	EEAS	BS	N/A 18
Perfluorooctanoic acid (PFOA)	5.0	ng/L	1.9	EPA 537.1	02/20/24	EEAS	BS	N/A 14
<b>Surrogates</b>								
13C2 PFDA	107%		70-130	EPA 537.1	02/20/24 13:47	EEAS	BS	
13C2 PFHxA	93%		70-130	EPA 537.1	02/20/24 13:47	EEAS	BS	
13C3 HFPO-DA	94%		70-130	EPA 537.1	02/20/24 13:47	EEAS	BS	
d5-NEtFOSAA	94%		70-130	EPA 537.1	02/20/24 13:47	EEAS	BS	

**Lab ID:** 2404407-02    **Collected By:** Courtney A Moyer    **Sampled:** 02/14/24 11:14    **Received:** 02/14/24 14:03  
**Sample Desc:** 106 Field Blank    **PADEP Type:**  
**Notes:**    **PWSID:** 7220038    **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
<b>Subcontracted</b>								
Perfluorooctanesulfonic acid (PFOS)	<1.9	ng/L	1.9	EPA 537.1	02/23/24	EEAS	BS	N/A 18
Perfluorooctanoic acid (PFOA)	<1.9	ng/L	1.9	EPA 537.1	02/23/24	EEAS	BS	N/A 14
<b>Surrogates</b>								
13C2 PFDA	103%		70-130	EPA 537.1	02/23/24 23:56	EEAS	BS	
13C2 PFHxA	105%		70-130	EPA 537.1	02/23/24 23:56	EEAS	BS	
13C3 HFPO-DA	99%		70-130	EPA 537.1	02/23/24 23:56	EEAS	BS	
d5-NEtFOSAA	101%		70-130	EPA 537.1	02/23/24 23:56	EEAS	BS	



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**Notes and Definitions**

EEAS      Analysis subcontracted to: Eurofins Eaton Analytical South Bend, Certification ID: 68-00466



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E-Government Application for Drinking Water Program

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**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	2805	PERFLUOROOCETANESULFONIC ACID	239	8.8	0.50000		022024	102		021424	E	1057	68466	810-94019-1	REEVESW_260
7220038	2806	PERFLUOROOCETANOIC ACID	239	4.4	0.47000		022024	102		021424	E	1057	68466	810-94019-1	REEVESW_261
7220038	2805	PERFLUOROOCETANESULFONIC ACID	239	6.9	0.49000		022024	106		021424	E	1113	68466	810-94022-1	REEVESW_262
7220038	2806	PERFLUOROOCETANOIC ACID	239	5.0	0.47000		022024	106		021424	E	1113	68466	810-94022-1	REEVESW_263



# Certificate of Analysis

**M.J. Reider Associates, Inc.**

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2406966

**Reported:** 02/27/24

**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:** 2406966-01    **Collected By:** Client  
**Sample Desc:** 701 Middletown WWTP  
**Notes:**

**Sampled:** 02/20/24 09:12    **Received:** 02/20/24 13:25  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038    **Loc ID:** 701

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	2/20/24 17:13	2/21/24 12:13		JMW	N/A 1

**Lab ID:** 2406966-02    **Collected By:** Client  
**Sample Desc:** 703 North Union Street Booster Station  
**Notes:**

**Sampled:** 02/20/24 08:32    **Received:** 02/20/24 13:25  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038    **Loc ID:** 703

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	2/20/24 17:13	2/21/24 12:13		JMW	N/A 1

**Lab ID:** 2406966-03    **Collected By:** Client  
**Sample Desc:** 706 North Union Street Standpipe  
**Notes:**

**Sampled:** 02/20/24 08:51    **Received:** 02/20/24 13:25  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038    **Loc ID:** 706

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	2/20/24 17:13	2/21/24 12:13		JMW	N/A 1



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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	022124	701		022024	D	0912	06003	2406966-01	KISTLERC_1343
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022124	703		022024	D	0832	06003	2406966-02	KISTLERC_1344
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021524	704		021424	D	0843	06003	2405858-01	KISTLERC_556
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021524	705		021424	D	0809	06003	2405858-02	KISTLERC_557
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022124	706		022024	D	0851	06003	2406966-03	KISTLERC_1345

**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	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_382
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_384
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_386
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_388
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_390
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_392
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_394
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_396
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_398
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_400

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT  
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**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	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_402
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_404
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_406
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_408
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_410
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_412
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_414
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_416
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_418
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_420
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_422



# Certificate of Analysis

## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2406965

**Reported:** 03/01/24

**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:** 2406965-01    **Collected By:** Client  
**Sample Desc:** WWTP Lab Sink

**Sampled:** 02/20/24 09:13    **Received:** 02/20/24 13:25  
**Sample Type:** Grab

### Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
<b>General Chemistry</b>									
Alkalinity, Total to pH 4.5	204	mg CaCO <sub>3</sub> /L	20	SM 2320 B	02/21/24		ORL	N/A N/A	
Total Hardness as CaCO <sub>3</sub>	348	mg/l	4.56	CALCULATED	02/22/24		HRG	N/A N/A	
Phosphorus as P, Total	0.03	mg/l	0.01	SM 4500-P F	02/28/24		SNF	N/A N/A	
Silica as SiO <sub>2</sub>	22.8	mg/l	2.14	CALCULATED	02/22/24		HRG	N/A N/A	
Conductivity	747	umhos/cm	10	SM 2510 B	02/23/24		ORL	N/A N/A	
<b>Total Metals</b>									
Calcium	108	mg/l	1	EPA 200.7 Rev 4.4	02/22/24		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	02/22/24		HRG	N/A 0.3	PASS
Magnesium	18.9	mg/l	0.5	EPA 200.7 Rev 4.4	02/22/24		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	02/22/24		MPB	N/A 0.05	PASS
Silicon	10.7	mg/l	1.0	EPA 200.7 Rev 4.4	02/22/24		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	Prepared Date	Prepared By
<b>2406965-01</b> SM 4500-P F	SM 4500-P B	02/27/2024	SNF



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# Certificate of Analysis

## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2407891  
**Reported:** 03/01/24  
**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:** 2407891-01    **Collected By:** Client  
**Sample Desc:** 704 Village of Pineford Office  
**Notes:**

**Sampled:** 02/27/24 08:41    **Received:** 02/27/24 14:15  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038    **Loc ID:** 704

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	2/27/24 15:44	2/28/24 10:22		JMW	N/A 1

**Lab ID:** 2407891-02    **Collected By:** Client  
**Sample Desc:** 705 High Street Standpipe  
**Notes:**

**Sampled:** 02/27/24 08:10    **Received:** 02/27/24 14:15  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038    **Loc ID:** 705

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	2/27/24 15:44	2/28/24 10:22		JMW	N/A 1



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**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	022124	701		022024	D	0912	06003	2406966-01	KISTLERC_1343
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022124	703		022024	D	0832	06003	2406966-02	KISTLERC_1344
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021524	704		021424	D	0843	06003	2405858-01	KISTLERC_556
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022824	704		022724	D	0841	06003	2407891-01	KISTLERC_1871
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	021524	705		021424	D	0809	06003	2405858-02	KISTLERC_557
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022824	705		022724	D	0810	06003	2407891-02	KISTLERC_1872
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	022124	706		022024	D	0851	06003	2406966-03	KISTLERC_1345

**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	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_382
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_384
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_386
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_388
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_390
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_392
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_394
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_396

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	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_398
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_400
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_402
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_404
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_406
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_408
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_410
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_412
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_414
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_416
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_418
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_420
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		020824	106		020724	E	0655	06003	2404749-01	KISTLERC_422



# Certificate of Analysis

## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

**Laboratory No.:** 2407890

**Reported:** 03/07/24

**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:** 2407890-01    **Collected By:** Client    **Sampled:** 02/27/24 09:04    **Received:** 02/27/24 14:15  
**Sample Desc:** WWTP Lab Sink    **Sample Type:** Grab

### Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
<b>General Chemistry</b>									
Alkalinity, Total to pH 4.5	200	mg CaCO3/L	20	SM 2320 B	02/27/24		ORL	N/A N/A	
Total Hardness as CaCO3	339	mg/l	4.56	CALCULATED	02/29/24		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	02/29/24		SNF	N/A N/A	
Silica as SiO2	23.7	mg/l	2.14	CALCULATED	03/05/24		HRG	N/A N/A	
Conductivity	747	umhos/cm	10	SM 2510 B	03/01/24		ORL	N/A N/A	
<b>Total Metals</b>									
Calcium	107	mg/l	1	EPA 200.7 Rev 4.4	02/29/24		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	02/28/24		HRG	N/A 0.3	PASS
Magnesium	17.5	mg/l	0.5	EPA 200.7 Rev 4.4	02/29/24		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	02/29/24		MPB	N/A 0.05	PASS
Silicon	11.1	mg/l	1.0	EPA 200.7 Rev 4.4	03/05/24		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	Prepared Date	Prepared By
<b>2407890-01</b> SM 4500-P F	SM 4500-P B	02/28/2024	SNF



107 Angelica Street Reading, PA 19611 www.mjreider.com (610) 374-5129 fax (610) 374-7234

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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)

## Data Added Successfully by HANNANJ

1 message

ra-padwis@pa.gov &lt;ra-padwis@pa.gov&gt;

Tue, Mar 5, 2024 at 2:13 PM

To: kodi.webb@veolia.com, james.hannan@veolia.com, michael.barger@veolia.com

HANNANJ successfully added data to DWELR on 03/05/24 at 2:13 PM. Form: SDWA1.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_175	701	020624
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_176	703	020624
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_177	706	020624
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_178	704	021424
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_179	705	021424
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_180	701	022024
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_181	703	022024
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_182	706	022024
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_183	704	022724
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_184	705	022724

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.

---

**File Uploaded Successfully by HANNANJ**

6 messages

**ra-padwis@pa.gov** <ra-padwis@pa.gov>

Tue, Mar 5, 2024 at 2:03 PM

To: kodi.webb@veolia.com, james.hannan@veolia.com, michael.barger@veolia.com

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 100 Well No 1 (23).xls	HANNANJ	HANNANJ_1 through HANNANJ_29

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>

Tue, Mar 5, 2024 at 2:04 PM

To: kodi.webb@veolia.com, james.hannan@veolia.com, michael.barger@veolia.com

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File Name	User	Record ID Range
PA DEP SDWA-1 102 Well No 2 (23).xls	HANNANJ	HANNANJ_30 through HANNANJ_58

[Quoted text hidden]

**ra-padwis@pa.gov** <ra-padwis@pa.gov>

Tue, Mar 5, 2024 at 2:04 PM

To: kodi.webb@veolia.com, james.hannan@veolia.com, michael.barger@veolia.com

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 103 Well No 3 (23).xls	HANNANJ	HANNANJ_59 through HANNANJ_87

[Quoted text hidden]

**ra-padwis@pa.gov** <ra-padwis@pa.gov>

Tue, Mar 5, 2024 at 2:05 PM

To: kodi.webb@veolia.com, james.hannan@veolia.com, michael.barger@veolia.com

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 104 Well No 4 (23).xls	HANNANJ	HANNANJ_88 through HANNANJ_116

[Quoted text hidden]

**ra-padwis@pa.gov** <ra-padwis@pa.gov>

Tue, Mar 5, 2024 at 2:06 PM

To: kodi.webb@veolia.com, james.hannan@veolia.com, michael.barger@veolia.com

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
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PA DEP SDWA-1 105 Well No 5 (23).xls | HANNANJ | HANNANJ\_117 through HANNANJ\_145

[Quoted text hidden]

ra-padwis@pa.gov <ra-padwis@pa.gov>

Tue, Mar 5, 2024 at 2:07 PM

To: kodi.webb@veolia.com, james.hannan@veolia.com, michael.barger@veolia.com

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 106 Well No 6 (24).xls	HANNANJ	HANNANJ_146 through HANNANJ_174

[Quoted text hidden]

# **MIDDLETOWN MONTHLY REPORT**

## **APPENDIX 3 CUSTOMER SERVICE**

### **MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS**

**&**

### **HOMESERVE REPORT**



	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	2,756	202,685.27	776,902.01	979,587.28	NEW ACCOUNTS: 19
DISCONNECTED ACCTS:	16	1,108.82	1,029.88	2,138.70	DISCONNECT--NO TRF: 16
FINALED ACCOUNTS:	418	18,103.87		18,103.87	DISCONNECT--TRANSFER: 0
INACTIVE ACCOUNTS:	12,515	0.00		0.00	
<b>**GRAND TOTALS**</b>	<b>15,705</b>	<b>221,897.96</b>	<b>777,931.89</b>	<b>999,829.85</b>	

**\*\*CALCULATION SUMMARY\*\***

TOTAL CHARGES:	777,931.89
DEPOSIT RETURNS:	0.00
TOTAL CURRENT:	777,931.89

===== 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	2695	476,249.78	0.00	0.00	0.00	17131,700.0000		17131,700.0000
SR SURCHARGE	7	0.00	0.00	0.00	0.00			
SR2 SURCHARGE 2	7	0.00	0.00	0.00	0.00			
W WATER	5379	301,682.11	0.00	0.00	0.00	22016,900.0000		22016,900.0000
<b>***TOTALS***</b>		<b>777,931.89</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			

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

R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
<b>SERVICES:</b>		
200-WTR MDT	687-145900	94,643.08
203-WTR MDT COMMERCIAL	687-145900	131,454.40
206-CUSTOMER CHARGE	687-145900	13,491.20
207-SERVICE CHG / METER	687-145900	53,048.30
210-WTR ROYAL	687-145900	8,983.00
220-WTR L SWT	687-145900	62.13
230-SURCHARGE WATER/SEWER	687-145900	0.00
231-SURCHARGE WATER/SEWER	687-145900	0.00
300-SWR MDT	687-145800	405,897.81
306-SW CUST CHARGE	687-145800	70,351.97
310-SWR ROYAL	687-145800	0.00
320-SWR L SWT	687-145800	0.00
<b>**R/C TOTALS**</b>		<b>777,931.89</b>

===== 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	2693	476,249.78	0.00	0.00	0.00	17,131,700.0000	805

===== R A T E T A B L E T O T A L S =====  
\*\* ( CONTINUED ) \*\*

CAT CODE	TBL	DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
SR	230	SR2 SURCHARGE WATER/SEWE	SR2	7	0.00	0.00	0.00	0.00		
SR2	231	SR2 SURCHARGE WATER/SEWE	SR2	7	0.00	0.00	0.00	0.00		
W	200	C10 COMM 1" MTR	C10	32	3,976.00	0.00	0.00	0.00	280,800.0000	
W	200	C15 COMM 1 1/2" MTR	C15	9	9,205.70	0.00	0.00	0.00	799,100.0000	
W	200	C20 COMM 2" MTR	C20	23	22,224.92	0.00	0.00	0.00	1,923,500.0000	
W	200	C30 COMM 3" MTR	C30	5	9,869.53	0.00	0.00	0.00	865,400.0000	
W	200	C40 COMM 4" MTR	C40	2	122.16	0.00	0.00	0.00	3,500.0000	
W	200	C58 COMM 5/8" MTR	C58	18	2,103.14	0.00	0.00	0.00	149,000.0000	
W	200	C60 COMM 6" MTR	C60	13	76,137.55	0.00	0.00	0.00	6,735,700.0000	
W	200	C75 COMM 3/4" MTR	C75	2	449.34	0.00	0.00	0.00	35,700.0000	
W	200	C80 COMM 8" MTR	C80	4	10,820.20	0.00	0.00	0.00	944,300.0000	
W	200	COM COMPOUND WATER N/C	COM	12	0.00	0.00	0.00	0.00		
W	200	LS8 LOWER SWAT 8" MTR	LS8	1	62.13	0.00	0.00	0.00	100.0000	
W	200	NCW NO CHG	NCW	25	0.00	0.00	0.00	0.00	55,700.0000	
W	200	R10 RESID 1" MTR	R10	48	2,293.76	0.00	0.00	0.00	93,500.0000	
W	200	R58 RESID - 5/8" MTR	R58	2559	149,556.24	0.00	0.00	0.00	7,848,500.0000	
W	200	R60 RESID 6" MTR	R60	1	4,982.79	0.00	0.00	0.00	440,100.0000	
W	200	R75 RESID 3/4" MTR	R75	4	765.40	0.00	0.00	0.00	59,500.0000	
W	200	RB6 ROYALTON BOR 6" MTR	RB6	2	8,983.00	0.00	0.00	0.00	1,782,500.0000	
W	210	A1V FLAT RATE WATER -VAR	A1V	2	130.25	0.00	0.00	0.00		
W	220	MC WATER METER CHARGE - MC	MC	2617	0.00	0.00	0.00	0.00		
***TOTALS***					777,931.89	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	22,016,900.0000	0.000	22,016,900.0000	

===== 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

\*\*\* SERVICE CATEGORY TOTALS \*\*\*

SERV CATG	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL AMOUNT
S	2,695	17,131,700	17,131,700			\$ 476,249.78
SR	2,659	0	0			
SR2	2,743	0	0			
W	5,379	22,016,900	22,016,900			\$ 301,682.11

===== DAILY DISTRIBUTION =====

TYPE	DAY	COUNT	AMOUNT
ADJUSTMENT	02	3	211.45CR
	05	5	1,287.89
	06	4	33.08CR
	07	1	50.00
	09	1	9.89CR
	13	3	1,056.79CR
	14	2	2,790.00
	15	1	159.19CR
	22	1	315.67CR
	26	1	493.76CR
	27	144	509.70CR
	28	1	0.00
		ADJUSTMENT TOTAL	1,338.36
BILL	06	1	16.58
	07	4	201.26
	13	1	28.22
	15	1	40.81
	21	1	226.56
	26	1	147.17
	27	2,763	777,271.29
		BILL TOTAL	777,931.89
LATE CHARGE	27	466	8,991.75
		LATE TOTAL	8,991.75
MEMO	01	3	0.00
	05	1	0.00
	06	1	0.00
	13	3	0.00
	14	1	0.00
	16	1	0.00
	21	8	0.00
	27	1	0.00
		MEMO TOTAL	0.00
PAYMENT	01	57	27,522.67CR
	02	91	15,534.59CR
	05	266	45,188.33CR
	06	43	6,930.66CR
	07	50	10,101.97CR
	08	148	33,357.11CR
	09	247	40,778.30CR
	12	20	3,990.80CR

*Difference - adj total ± \$ Billed - Other Revenue \$10,330.11*

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

TYPE	DAY	COUNT	AMOUNT
	13	221	278,895.26CR
	14	117	26,860.46CR
	15	199	53,207.38CR
	16	160	29,503.57CR
	20	129	39,397.27CR
	21	53	18,328.53CR
	22	60	12,933.79CR
	23	36	7,387.25CR
	26	75	15,776.79CR
	27	41	10,949.78CR
	28	22	4,353.16CR
	29	29	7,116.34CR
		<b>PAYMENT TOTAL</b>	688,114.03CR
REFUND CHECK	28	1	7.78
		<b>REFUND TOTAL</b>	7.78
DRAFT	15	405	59,562.82CR
	20	24	18,781.41CR
		<b>DRAFT TOTAL</b>	78,344.23CR
REVERSE-PAY	06	1	63.15
	09	1	99.00
	14	1	60.79
	21	1	92.40
		<b>REVERSE PAY TOTAL</b>	315.34
		<b>GRAND TOTAL FOR PERIOD</b>	22,126.86

Total Collected = \$766,458.26

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

==== REVENUE CODE TOTALS ====

REVENUE CODE:	--CURRENT--	+1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	--BALANC
081-NSF CK FEE	0.00	20.00	0.00	0.00	0.00	20
200-WTR MDT	93322.87	21133.24	8154.77	4530.41	5882.45	133023
201-WATER TURN ON	0.00	0.00	0.00	0.00	40.00	40
203-WTR MDT COMMERCIAL	131282.25	7602.91	482.03	295.59	107.33	139770
206-CUSTOMER CHARGE	13104.40	2396.89	1049.97	581.94	2867.75	20000
207-SERVICE CHG / METER	51450.28	9472.96	4073.02	2262.29	11152.53	78411
210-WTR ROYAL	8983.00	0.00	0.00	0.00	0.00	8983
220-WTR L SWT	62.13	0.00	0.00	0.00	0.00	62
230-SURCHARGE WATER/SEWER	16.28	7.37	6.86	6.86	1243.48	1280
231-SURCHARGE WATER/SEWER	22.06	149.54	120.96	125.38	2472.24	2890
275-WTR PEN	211.90CR	2654.07	832.15	421.92	1249.22	4945
300-SWR MDT	401166.49	60511.40	18177.11	10236.39	12851.62	502943
306-SW CUST CHARGE	68302.62	12758.52	5572.85	3152.81	28494.48	118281
375-SWR PEN	294.62CR	4724.25	1382.60	713.02	2721.67	9246
996-UNAPPLIED	31444.26CR	0.00	0.00	0.00	0.00	31444
999-REFUND	2199.14CR	0.00	0.00	0.00	0.00	2199
TOTALS	733562.46	121431.15	39852.32	22326.61	69082.77	986255

TOTAL REVENUE CODES: 986,255.31  
 TOTAL ACCOUNT BALANCE: 986,255.31  
 DIFFERENCE: 0.00

METER NO#	ACCOUNT NO#	NAME	ADDRESS	MXU TYPE	MXU ID
W 89769385	INVENTORY				1483434850
W 68321084	INVENTORY				1440302592 Duplica
W 68321092	INVENTORY				1460155946 Duplica
W 68321088	INVENTORY				1460082070 Duplica
W 68652385	INVENTORY				1460168502 Duplica
W 8652384	INVENTORY				1440127130 Duplica
W 60433874	INVENTORY				1547474280
W 68652383	INVENTORY				1460195730 Duplica
W 69632167	INVENTORY				1460195756 Duplica
W 70112613A	INVENTORY				1470321453 Duplica
W 70112613	INVENTORY				1470321452 Duplica
W 70323396	INVENTORY				1471966926 Duplica
W 70323396A	INVENTORY				1471966927 Duplica
W 70323397A	INVENTORY				1470157603 Duplica
W 70323397	INVENTORY				1470157602 Duplica
W 69632184	INVENTORY				1542361382
W 35670264	INVENTORY				1440131648 Duplica
W 35670270	INVENTORY				1542411182
W 35670271	INVENTORY				1440096730 Duplica
W 35670267	INVENTORY				1551255668
W 36512912	INVENTORY				1460079314 Duplica
W 36512915	INVENTORY				1568109238
W 36512901	INVENTORY				1440121830 Duplica
W 36512913	INVENTORY				1440121830 Duplica
W 36512922	INVENTORY				1460197074 Duplica
W 36512921	INVENTORY				1440128082 Duplica
W 37016026	INVENTORY				1470153476
W 27016014	INVENTORY				1548612198
W 85441897	INVENTORY				1563419820
W 53388599	INVENTORY				1551754996
W 38077530	INVENTORY				1487106720
W 38982668	INVENTORY				1548613312
W 39759236	INVENTORY				1564217606
W 10659431	INVENTORY				1568103474
W 10871871	INVENTORY				1568031178
W 54476350	INVENTORY				1568048468
W 10871838	INVENTORY				1568014512
W 10871883	INVENTORY				1563387082
W 10871886	INVENTORY				1563522708
W 12164948	INVENTORY				1572396976
W 12164947	INVENTORY				1573617074
W 14171083	INVENTORY				1575719576

\*\*\* TOTAL METERS IN SERVICE 2780  
 \*\*\* TOTAL METERS IN INVENTORY 1035

ACTION	ISSUED THIS PERIOD				PRIOR ORDERS			TOTAL	TOTAL
	ISSUED	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	OUTSTANDING
C CONNECT	6	6	0	0	209	4	0	215	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	51	51	0	0	3,993	103	0	4,044	0
M METER CHANGE	9	9	0	0	980	8	0	989	0
O OCC CHANGE	18	18	0	0	1,572	3	0	1,590	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	0	0	0	0	847	25	0	847	0
** GRAND TOTALS **	84	84	0	0	7,686	152	0	7,770	0



\*\*\*\* REPORT TOTALS \*\*\*\*

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Book	Services	Addresses
02 - BOOK 02	1	0
04 - BOOK 04	4	0
05 - BOOK 05	1	0
09 - BOOK 09	1	0
12 - BOOK 12	4	0
15 - BOOK 15	4	0
16 - BOOK 16	2	0
18 - BOOK 18	1	0
20 - BOOK 20	1	1
21 - BOOK 21	1	0
29 - BOOK 29	2	0
Grand Totals	22	1

## 2024 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	2/15/2024	2/21/2024	237	3/11/2024	79	8 SHUT OFFS( 3 OCCUPIED, 5 VACANT) 2 PROPERTIES TURNED BACK ON
February Bill Cycle						
March Bill Cycle						
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						

**FEBRUARY 2023 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 a 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	Broken, Froze, Leaking Meter	No Water/Low Pressure	Water Quality	
February 1st, 2024	40	1	41							5	2	33												
February 2nd, 2024	62	8	70	1						8	1	50	2											
February 5th, 2024	53	5	58				1			7		39	6											
February 6th, 2024	30	2	32	1						4	1	20	3			1								
February 7th, 2024	33	9	42	3						6		17	5	1	1									
February 8th, 2024	29	4	33	1						3	1	18	6											
February 9th, 2024	53	5	58							5		41	4	1	2									
February 12th, 2024	15	2	17	1						3		8	2											
February 13th, 2024	39	8	47	1						6	1	28			1									
February 14th, 2024	63	2	65	2			1			7		44	7	2										
February 15th, 2024	58	5	63					1		5		52												
February 16th, 2024	55	2	57	1						2		52												
February 20th, 2024	45	3	48	2						4		38							1					
February 21st, 2024	30	3	33	1						3		25												
February 22nd, 2024	40	3	43	1			1			5		31		1	1						1			
February 23rd, 2024	39	1	40	2						3		34												
February 26th, 2024	43	6	49	2						6		33		1	1									
February 27th, 2024	18	1	19	1						2		13	2											
February 28th, 2024	18	3	21							3		14	1											
February 29th, 2024	17	1	18	1						2		10			2							1		
<b>GRAND TOTALS</b>	<b>780</b>	<b>74</b>	<b>854</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>88</b>	<b>6</b>	<b>661</b>	<b>38</b>	<b>6</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>

# Partner Reporting Dashboard

[Back to Partner Select Page](#)

SUEZ (Middletown)

Date Start

2023-02-28

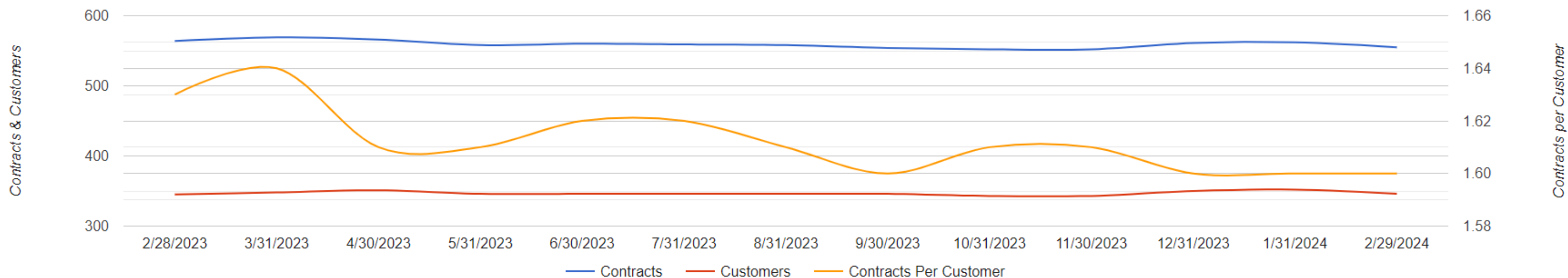
Date End

2024-02-29

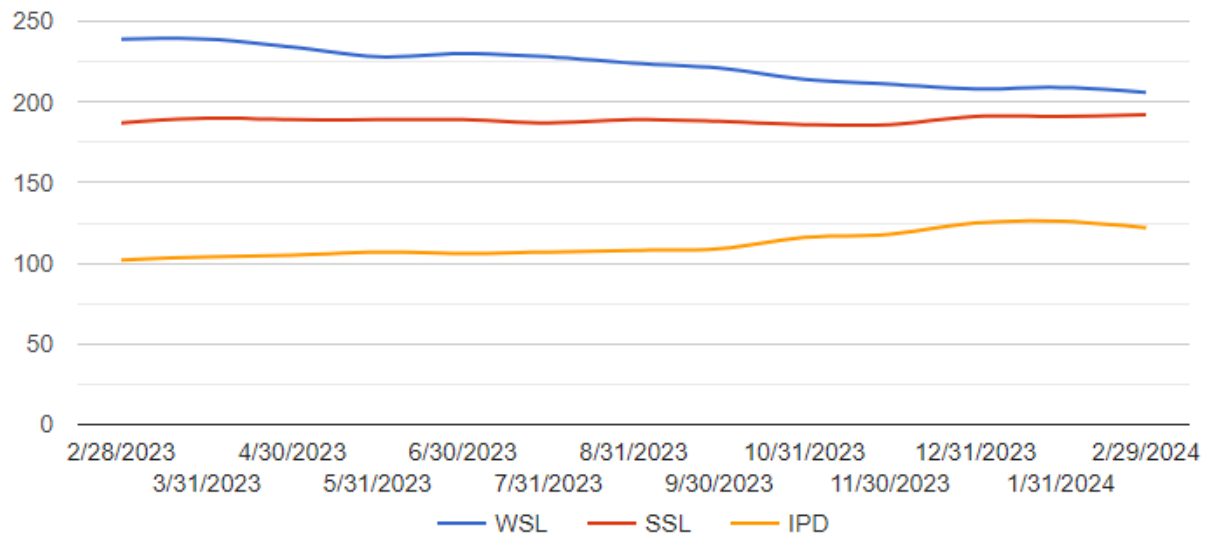
Filter



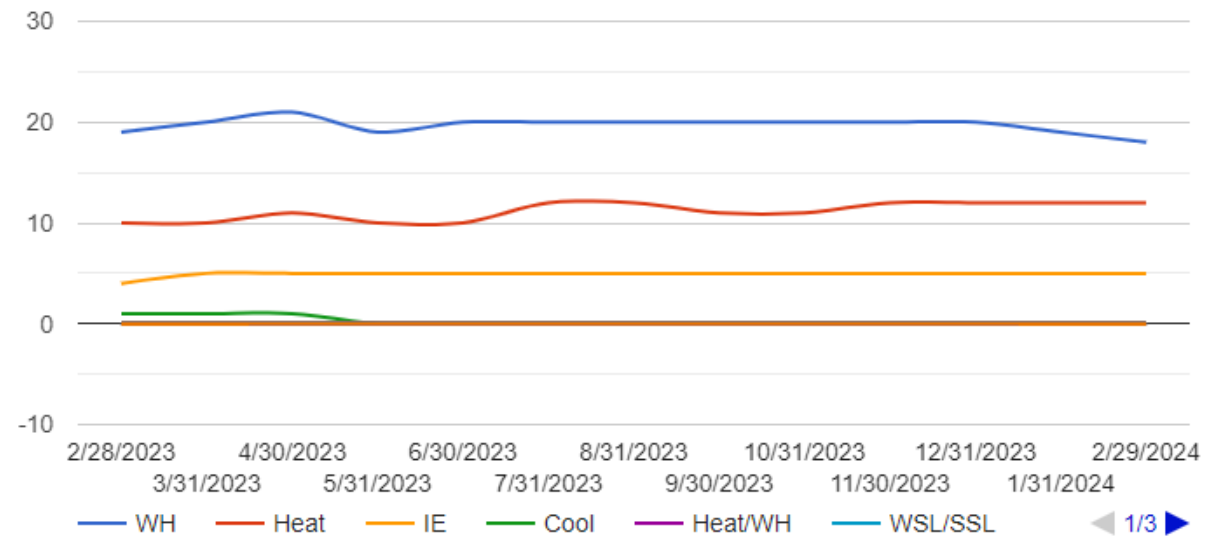
## Contracts and Customers



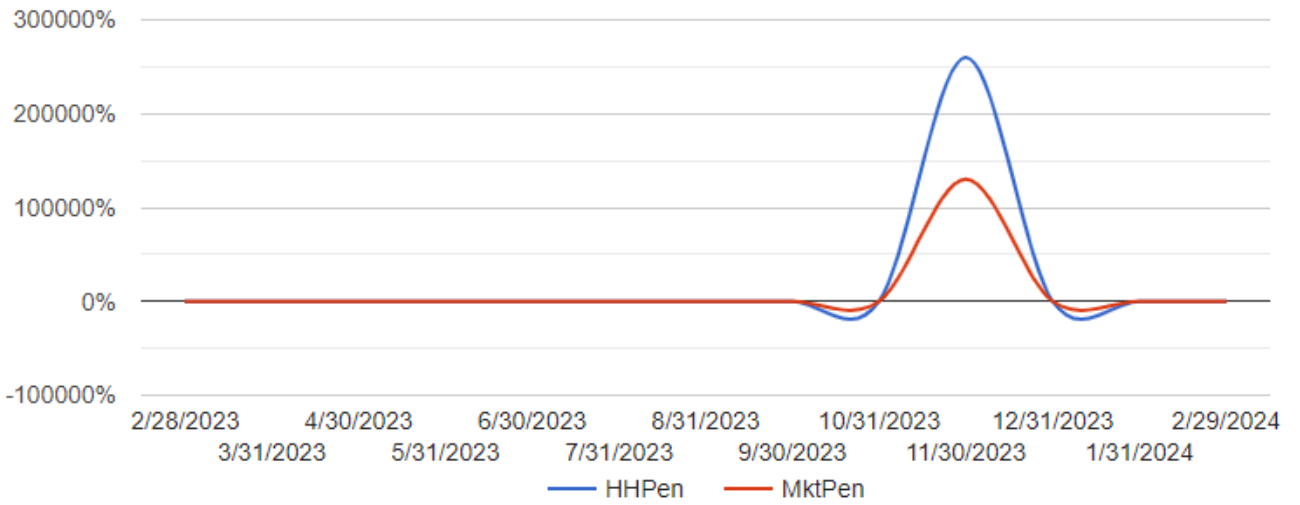
Leading Contracts by Type (Top 3)



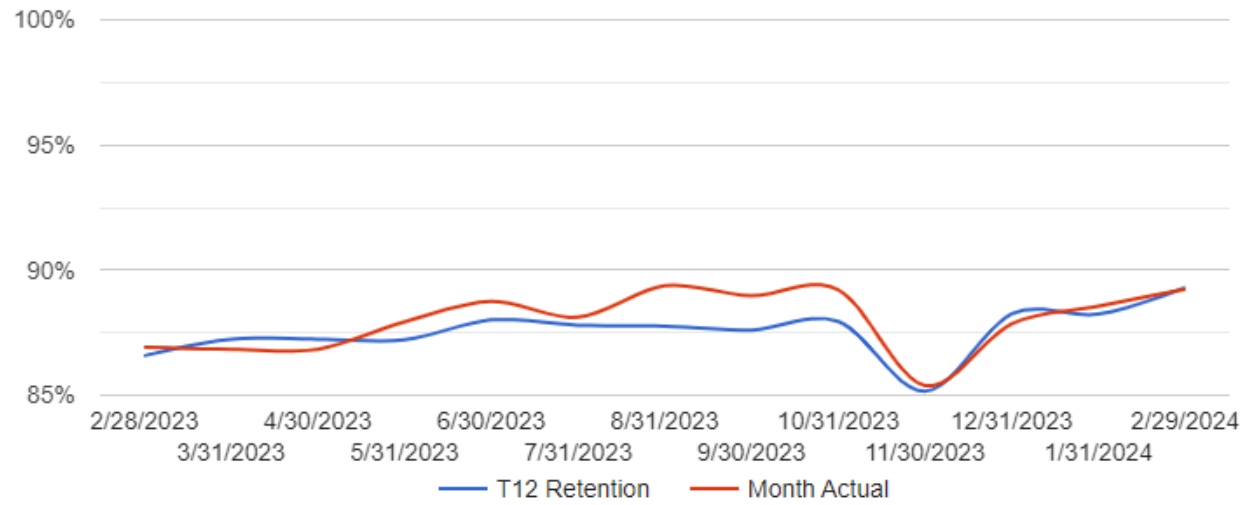
Leading Contracts by Type Other



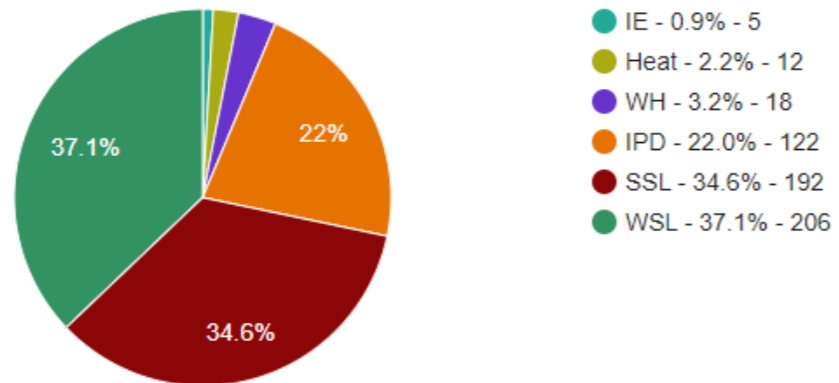
Household Penetration



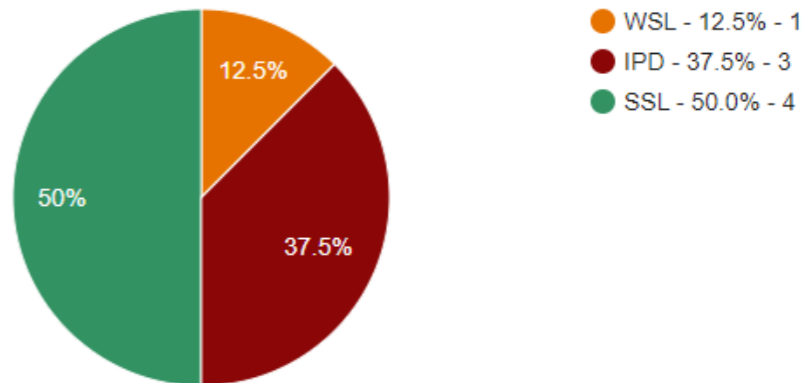
Retention



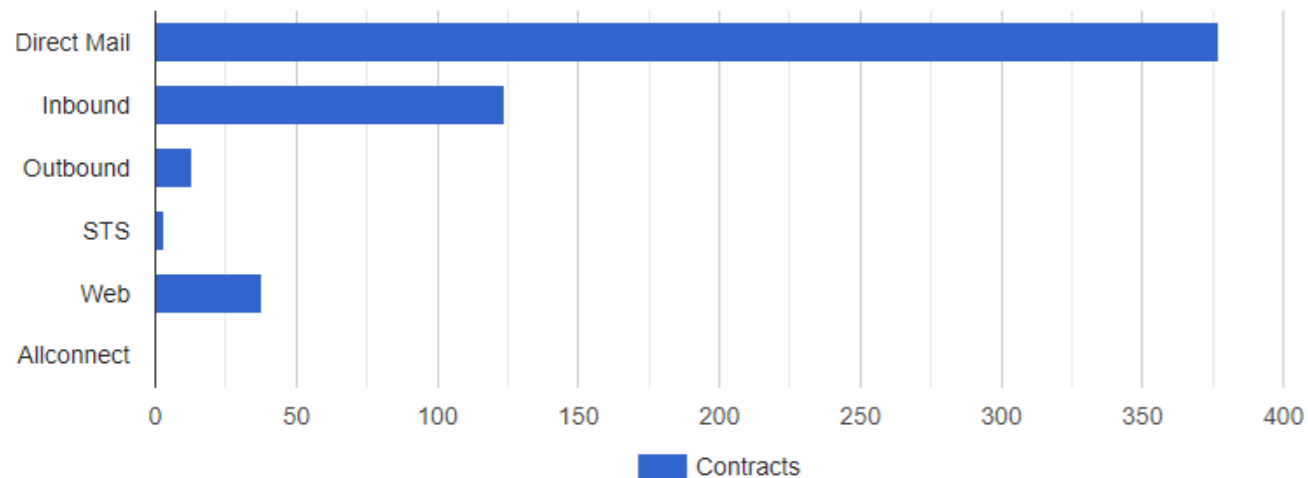
Contracts by Product Type



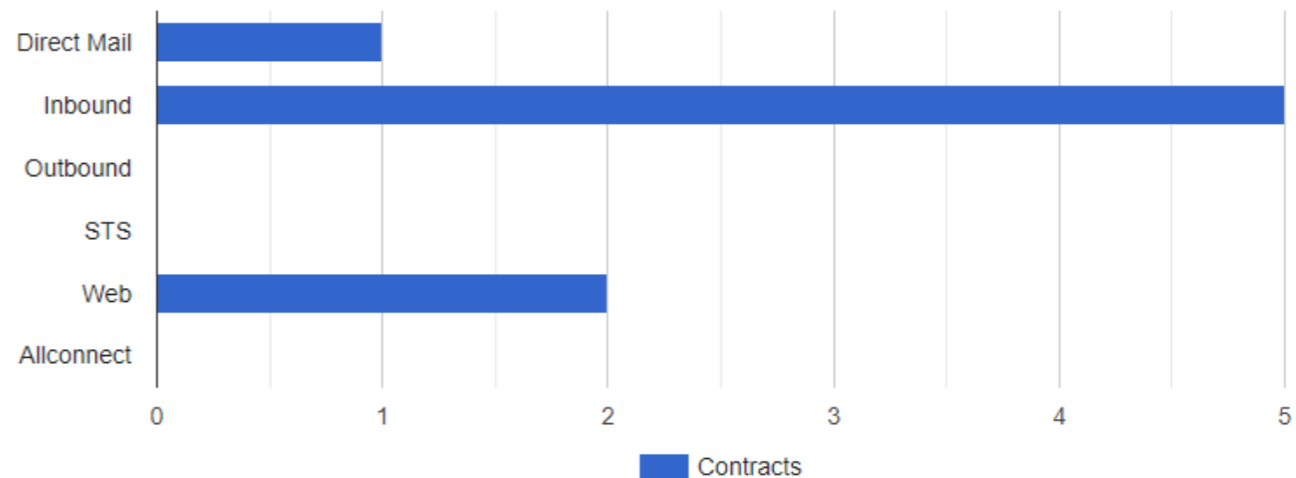
Contracts by Type - Last 30 Days



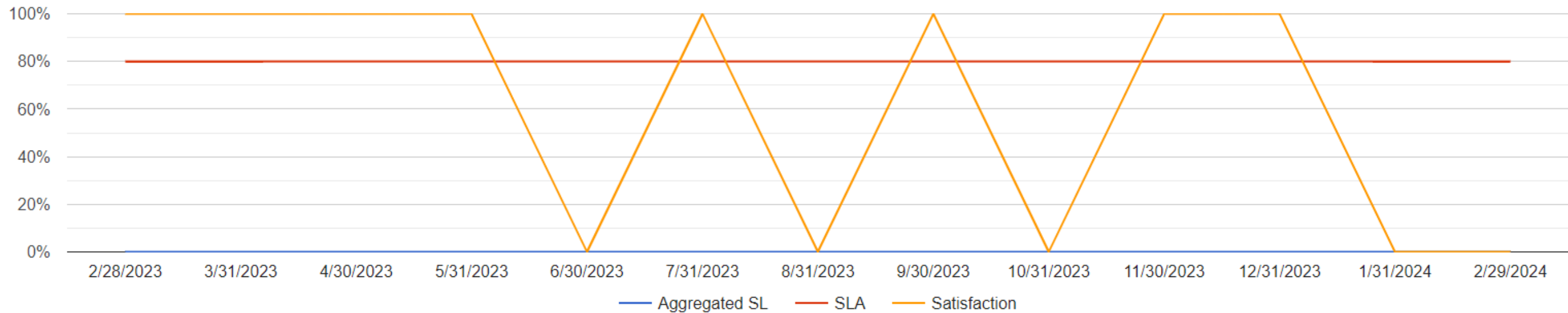
Contracts by Channel



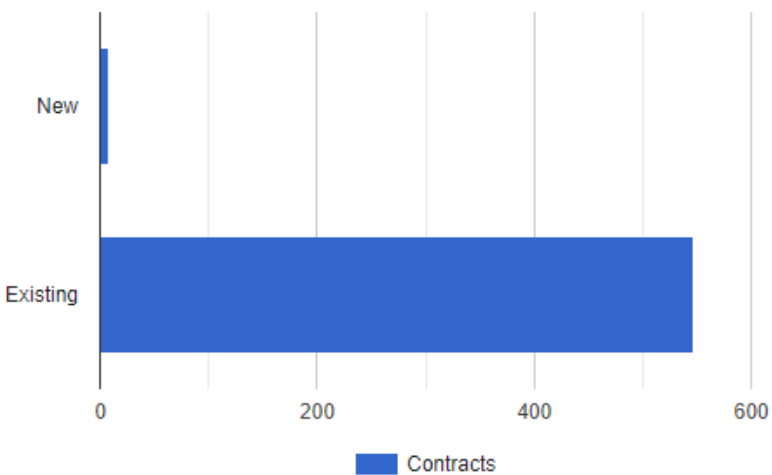
Contracts by Channel - Last 30 Days



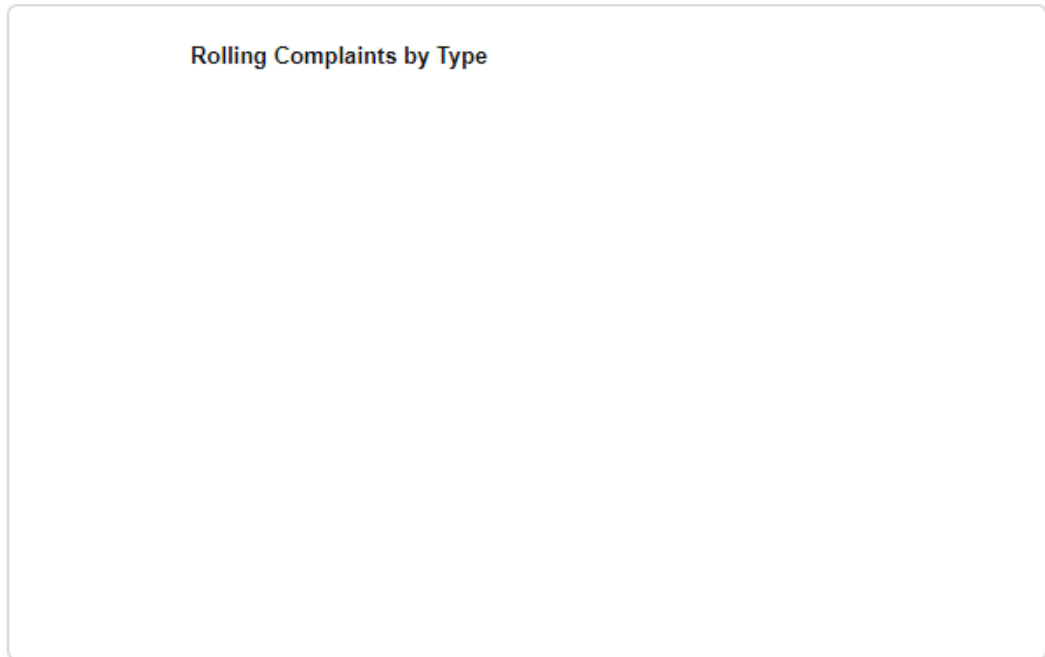
### Service Levels And Satisfaction



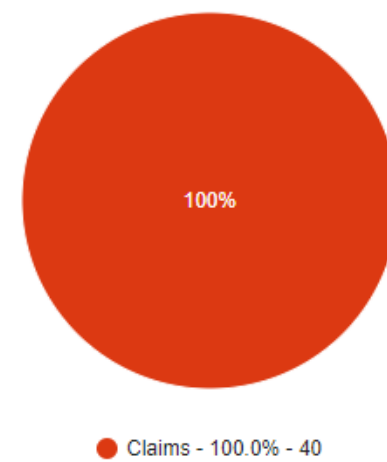
### New v. Existing



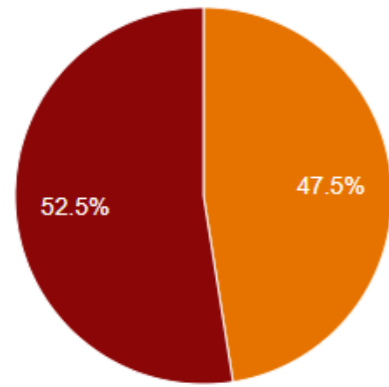
### Rolling Complaints by Type



### Complaints vs Claims



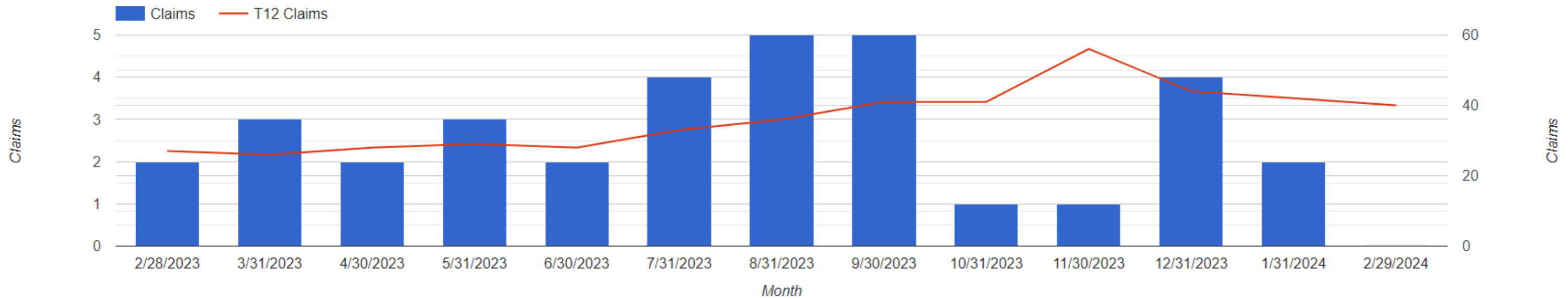
T12 Month Claims by Type



● IPD - 47.5% - 19  
● SSL - 52.5% - 21

T1 Month Claims by Type

Claims History





**APPENDIX 4**

**WATER MAIN LEAK LOGS**

**APPENDIX 5**

**QUARTERLY METER TEST AND CALIBRATION  
REPORTS**

**APPENDIX 6**