

Veolia MIDDLETOWN
453 South Lawrence Street
Middletown, PA 17057
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April 30, 2023

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RE: Transmittal of Veolia Middletown Operations Report March 2023

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 dark ink that reads 'Kodi Webb' in a cursive, slightly stylized script.

Kodi Webb
Project Manager
Veolia Middletown

cc: Michael Winfield
Jason Kiernan
Ken Bonn
William Stanton

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

MARCH 2023



EXECUTIVE SUMMARY

This report covers the monthly period of March 1, 2023 through March 31, 2023.

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.
- Continue with Well # 4 Pump Replacement, and integration of new chemical feed system.
- Installation of Safety Upgrades for Water and Wastewater systems.
- Returned Oxidation Ditch 2 to service after repairing the rubber liner and installing repaired mixer.
- Implemented Neptune 360 for meter readings after installing new collector.
- Completed annual inspections for hoists and fire sprinkler system.

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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
 - Once replacement pump is selected a permit application will be filed with PA DEP by HRG.
 - After permit approval, new chemical feed system will be installed and integrated.
- Veolia working with HRG on permit amendments
 - Well 4 Permit Application –**Approval Received on 6/25/21**
 - Well 4 replacement pump application approved.
 - 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
- Chemical feed upgrade for Well 2 complete on November 3, 2022

On February 23, 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.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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Environment, Health and Safety

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

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.
- Implemented 2023 rate increase in accordance with Middletown Water Annual Recovery Report
- The meter reading cycle for water consumption in December was successfully completed on March 26, 2023. Restarted the Delinquent Notification and Shut-Off Program which was previously suspended due to COVID-19
 - Sent 238, 10 day shut-off notices to accounts that were \$50 past due for the February 2023 billing period
 - Posted 53 properties with 3 day shut-off notices
 - 2 Occupied and 4 Vacant Properties Shut off due to Non Payment

Engineering and Capital Expense

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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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.

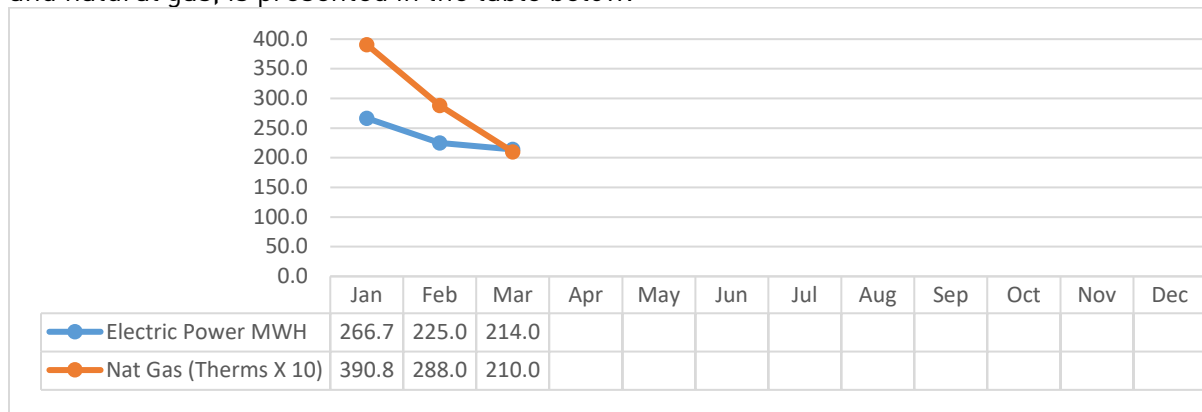
Quality Control Reporting

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 91 for the GRESB Report submitted in 2022, which was an increase of ten points from 2021. Objectives will be developed to 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	In Progress
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	Mixer	Ox Ditch 2	11/17/22	Sensor Failure	In Progress
WWTP	Influent Screen	Wet Well	1/13/23	Mechanical Failure	In Progress

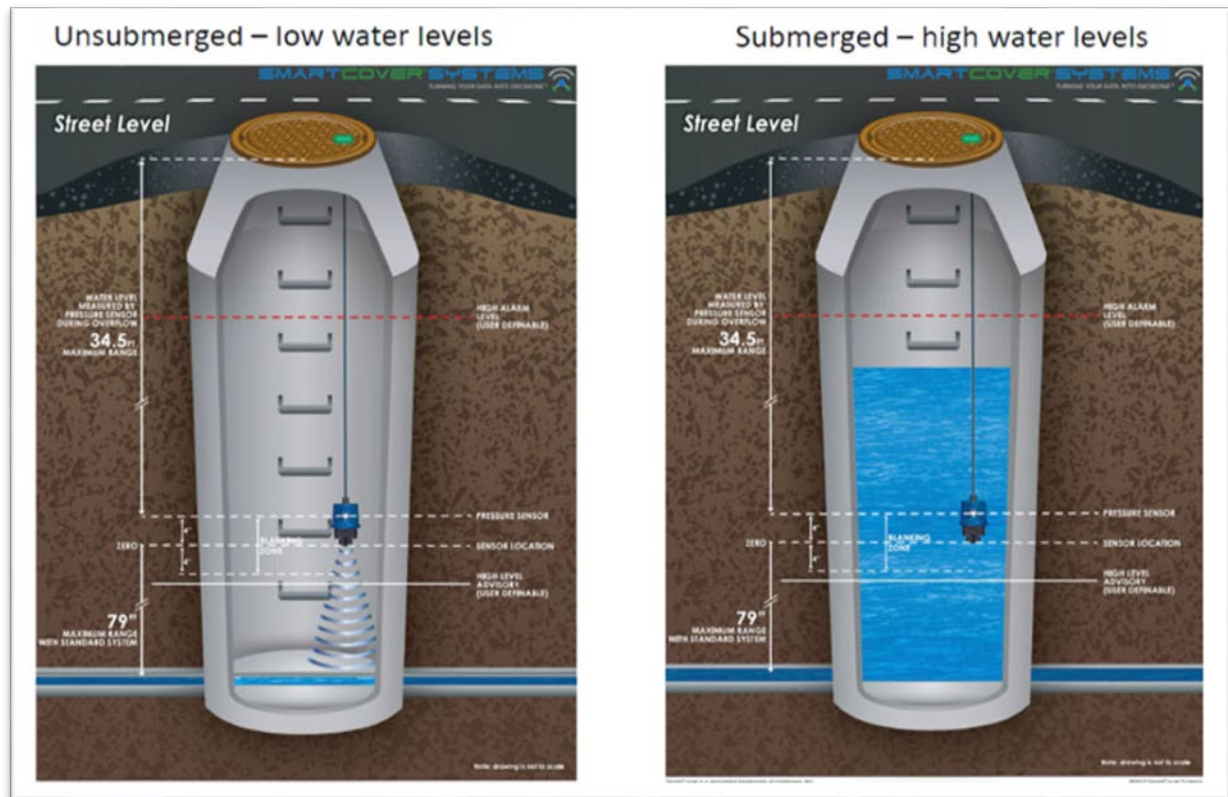
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Sanitary Sewer System

SmartCover® Sewer Monitoring System

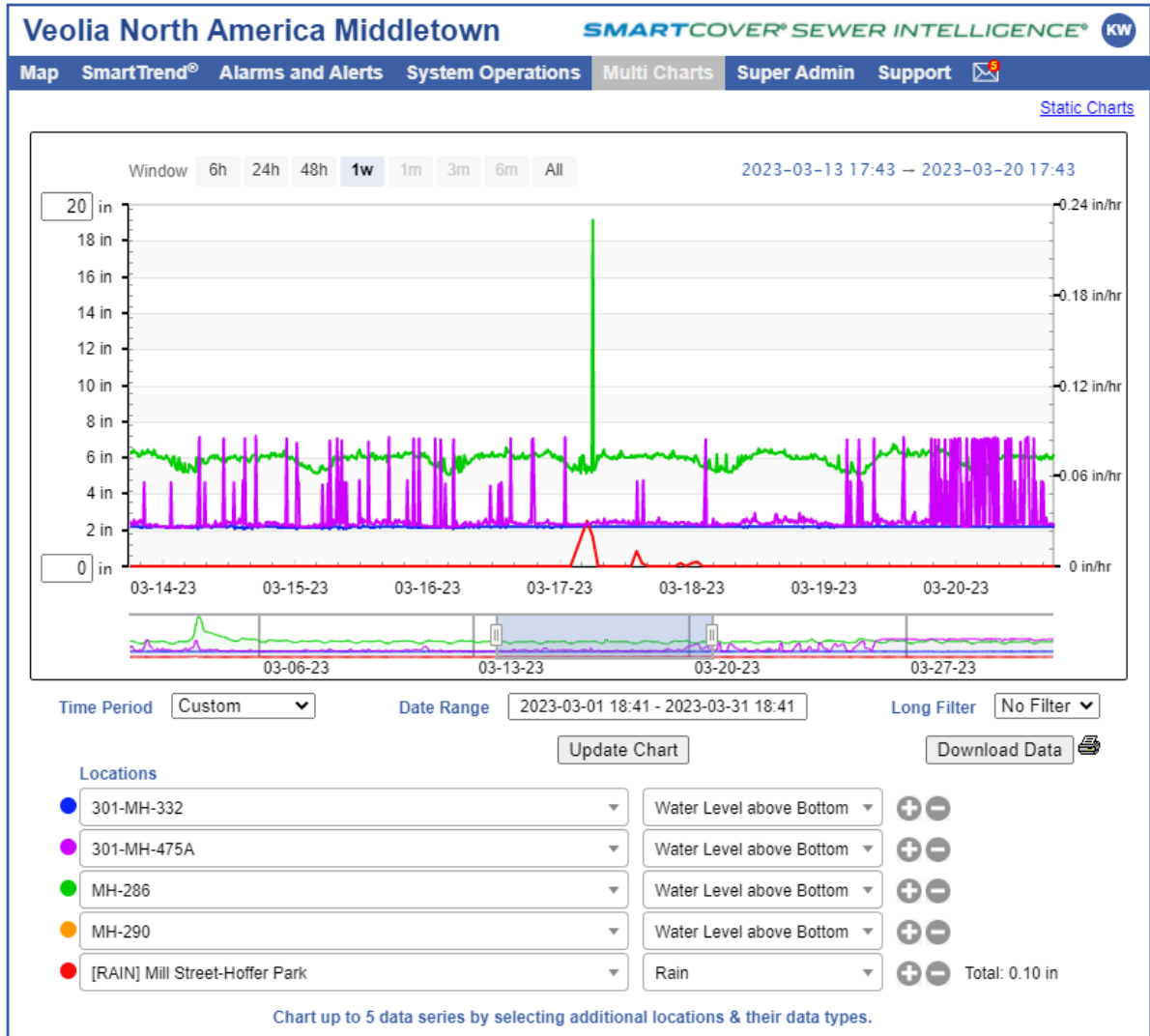


Ultrasonic level sensor (on the left) and pressure transducer (on the right). The covers use level sensing technology to analyze sewer elevations throughout the monitored area. This technology is used to monitor and reduce sanitary sewer overflows (SSO's) at problematic locations. The SmartCovers installed 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	20	0	0
YTD	0	0	0	0

On Target – Good Work	Caution	Significantly Behind Goal
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KPI Comments

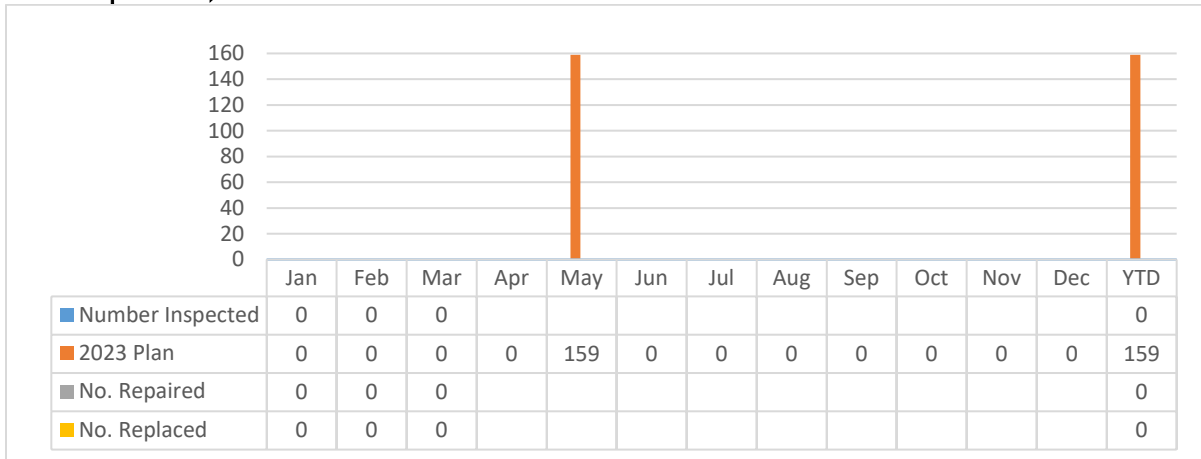
- **Water Loss:** Identifying and reducing the system water loss has been a key focus for Veolia. In an effort to identify and resolve the sources of water loss, continue to (1) verify the accuracy of the billing system reports, (2) verify the production meter accuracy at each well site based on review 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 2022 jetting and CCTV requirement were completed in March 2023.

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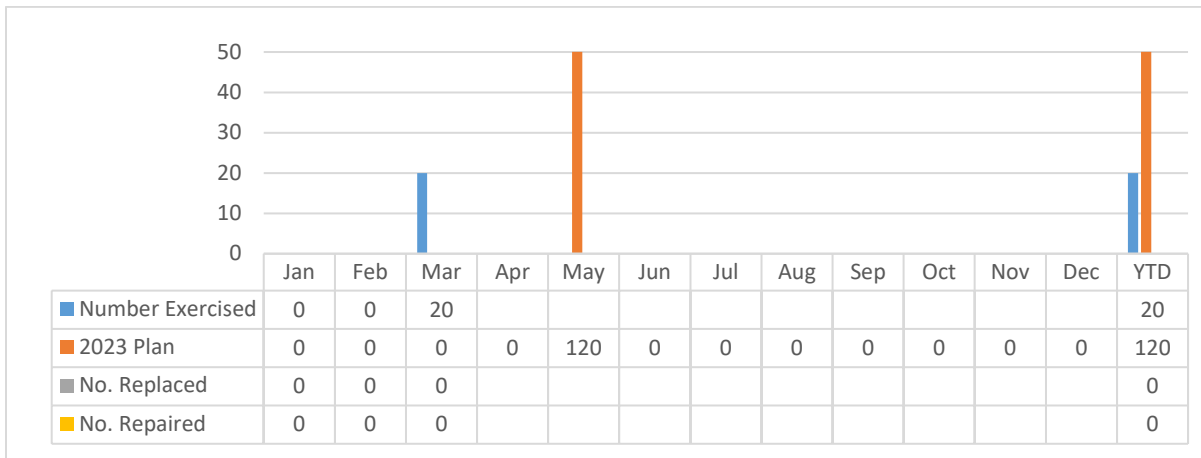
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Hydrants Inspected, Tested and Flushed



Water Main Valves Exercised

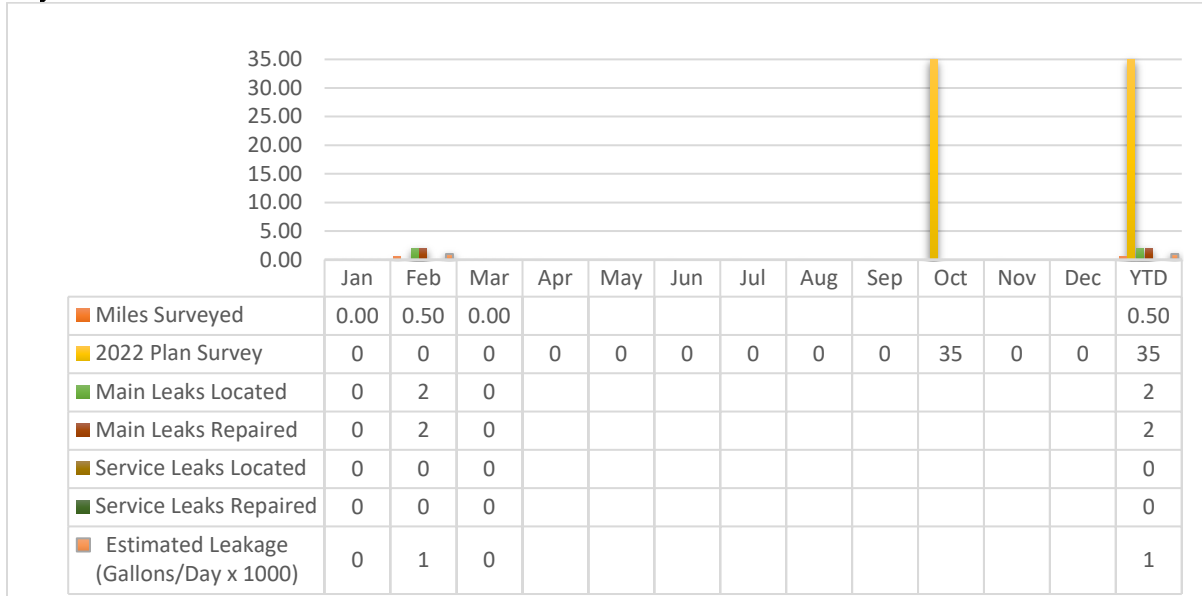


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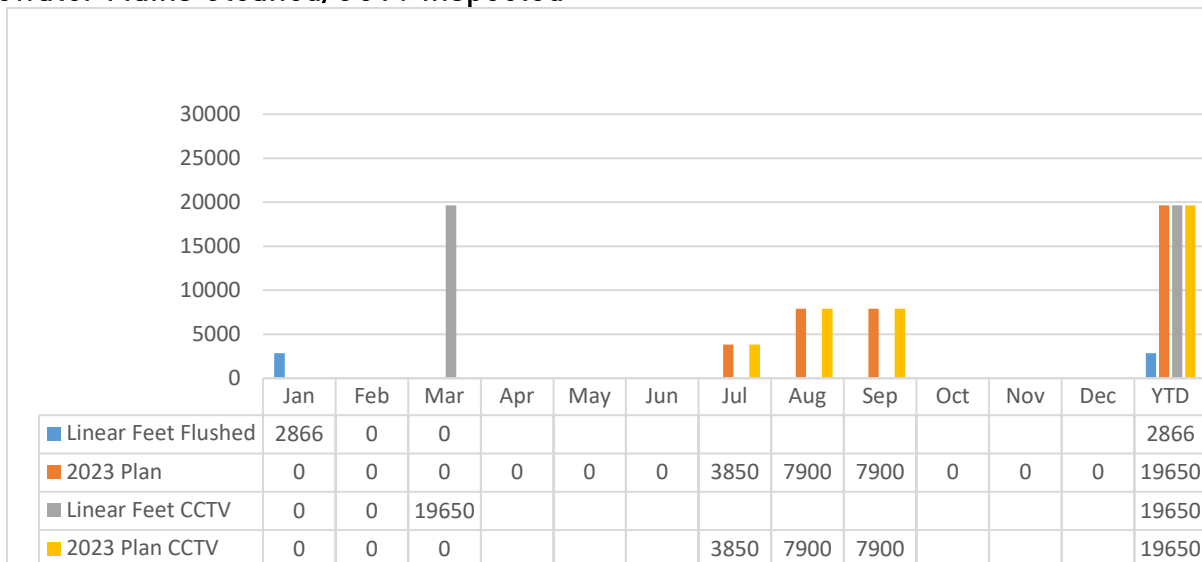
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Water System Leak Detection



Wastewater Mains Cleaned/CCTV Inspected

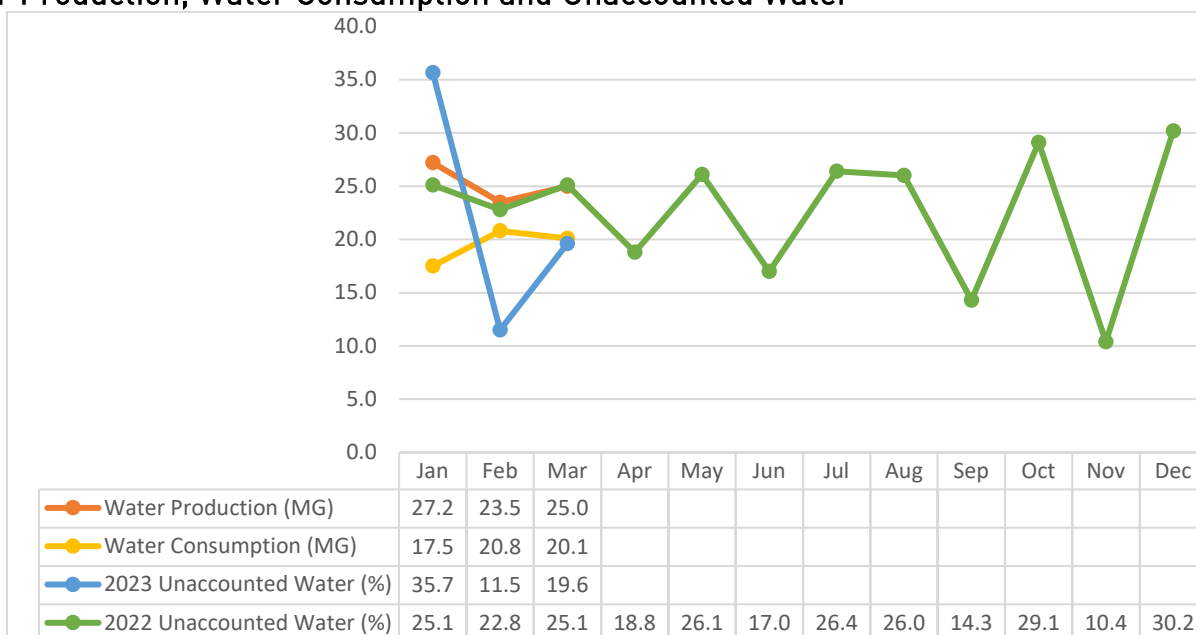


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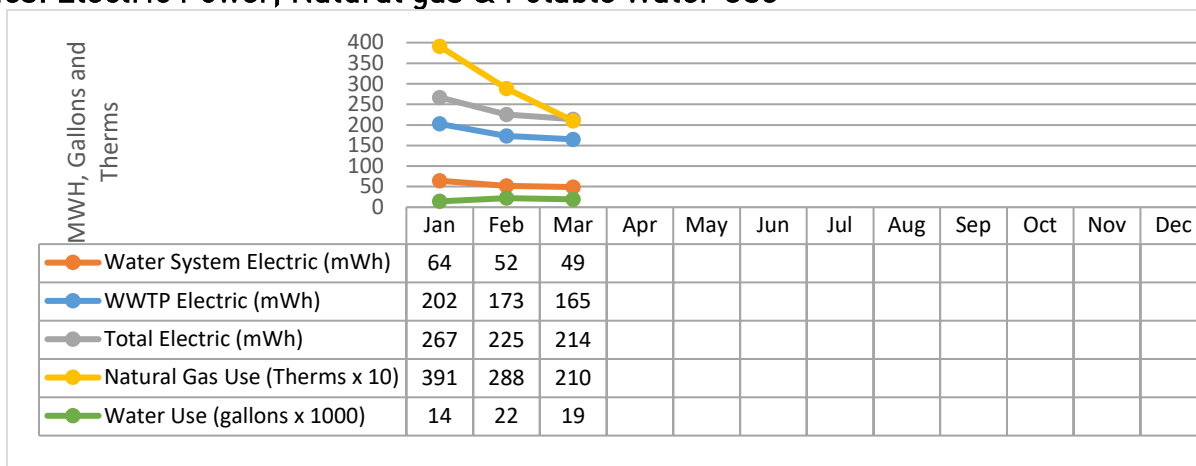
Water Production, Water Consumption and Unaccounted Water



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.

Refilling the High St tank in January likely contributed to the higher than average unaccounted for water percentage.

Utilities: Electric Power, Natural gas & Potable Water Use



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Process Chemicals: Water and WWTP Treatment

Chemical	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Hypochlorite (Water)	gal	253	212	236										
Hydrofluorosilic Acid	lbs	305	265	282										
Alum	gal	35	37	69										
Thickening Polymer	gal	55	64	45										
Dewatering Polymer	gal	129	160	88										
Chlorine (WWTP)	lbs	404	329	462										
Lime	lbs	5628	2743	1666										

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.

National Meter was contracted in 2021 to perform replacement and testing of approximately 270 of the oldest small meters within the distribution system each year. In 2021, 269 small meters were replaced. Small Meter Test Results have been added to the table below. There was a 97% pass rate of the meters tested in 2021. In 2022, due to supply chain issues, small meters that had known issues were targeted for replacement. Sixty-four small meters were replaced in 2022 with a 67.5% pass rate. The small meter replacement program will begin in Q2 of 2023.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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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	0										1	0	0	0	1
Water Process	16	0	0										16	0	0	0	16
Interconnect/Large	0	0	0										0	0	0	0	0
Small Meter	0	0	0										0	0	0	0	0
TOTAL	17	0	0	0	0	0	0	0	0	0	0	0	17	0	0	0	17

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, especially concerning COVID-19.
- Univar Meter Replacement.
- Upgrades to Chemical Feed Systems.
- Continue Well # 4 Pump Replacement.
- Safety Upgrades to water and wastewater systems.
- Assist in coordinating the day-to-day needs of the Capital Improvement Project.
- Replace pH probe in SNDR.
- Continue valve turning to complete annual requirement.
- Install large meters at Univar and Pineford Village.
- Complete biennial root treatment.
- Complete patch restorations of previous leaks.

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 is still closed, but the telephone and drop box for payments remain open. Call volume increased in March with a total of 780 calls received. Call volume has remained high 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 LIHWAP program ended on October 28, 2022, due to lack of federal funding. Twenty-five customers qualified and were able to utilize the program.

The 2023 rate increase has been implemented in accordance with Middletown Water Annual Recovery Report.

The release of bill files for printing and mailing this month occurred in 2 day with bills for services provided March being mailed to customers on March 28, 2023. The average gross monthly collection rate for March was 94.36% and 100.93% 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 21 accounts this month, which is down from last month. There were no idle meters with consumption this month.

The number of Field Service Requests in March was 51. Field Service Requests have resumed due to lower COVID threat level.

In March of 2021, Veolia implemented a new customer bill design. The re-design will help 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 395 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	2022	2021
General Acct. Info	12	4	8										24	123	131
Bill Inquiry	99	57	89										245	1448	934
Finals	19	12	13										44	242	173
New Account	7	5	11										23	118	98
Meter Reading /Re-Reads	1	3	3										7	13	0
Payments	610	560	590										1760	6901	6127
Collection Letter	51	45	37										133	735	168
Rates	0	11	1										12	9	30
Complaints	0	0	0										0	0	1
Sewer	0	2	0										2	6	12
Leaks	3	2	1										6	15	11
No/Low Water Pressure	0	1	0										1	8	6
Copy Of Bill	3	4	3										10	101	2
Correct. Bills	0	0	0										0	0	0
Mtr Change Out	0	0	0										0	0	1
Customer Correspondance	61	29	48										138	763	922
Discolored/Water Quality	0	1	0										1	1	0
Calls Referred to SUEZ Hbg	33	17	24										74	414	439
Calls from City / Other Org	0	0	0										0	0	1
Compliments	0	0	0										0	1	18
2023 TOTALS	899	753	828	0	0	0	0	0	0	0	0	0	2480		
2022 TOTALS	1005	920	966	915	972	955	902	905	818	933	814	794		10899	

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.

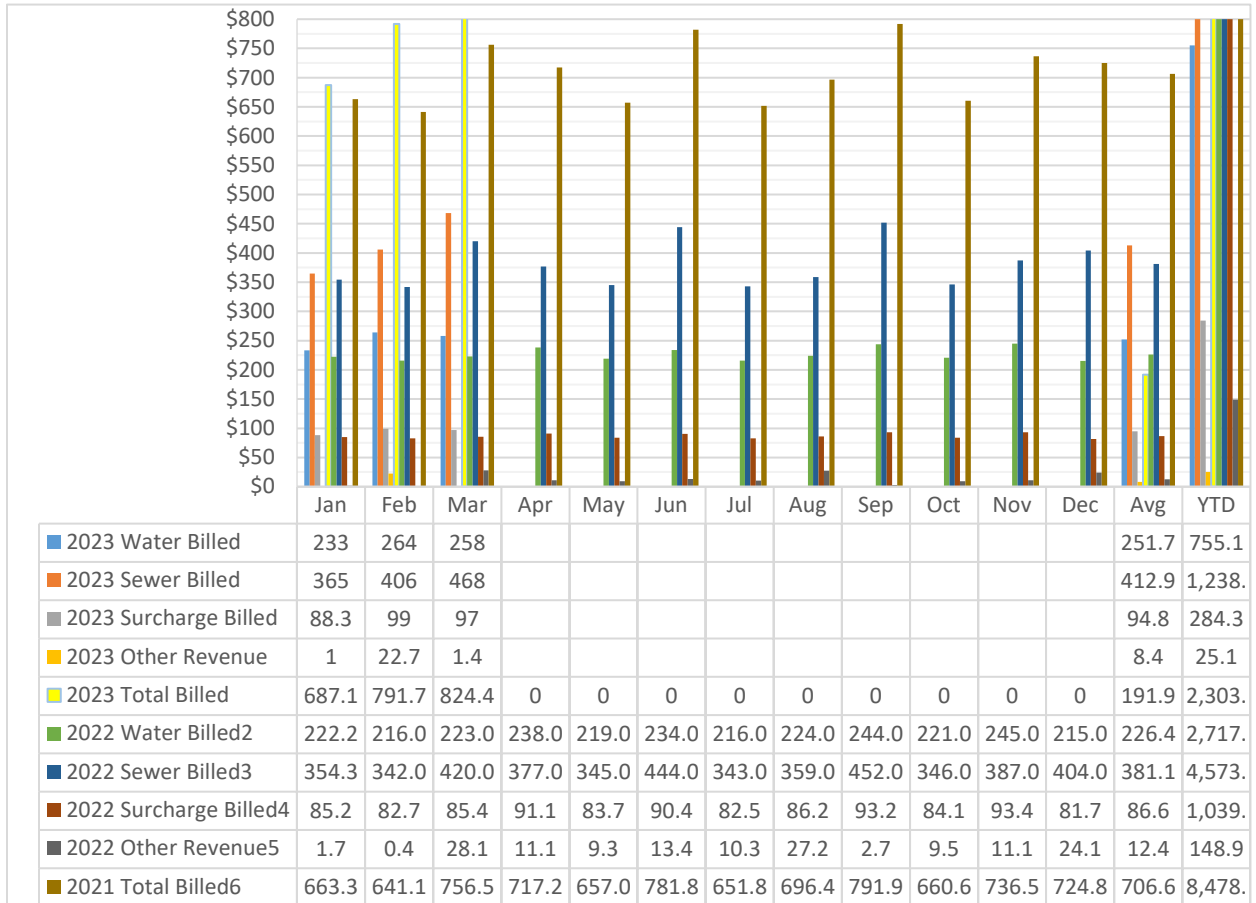
* Neptune is the meter manufacturer

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Dollars Billed - Water and Sewer (dollars X1000)

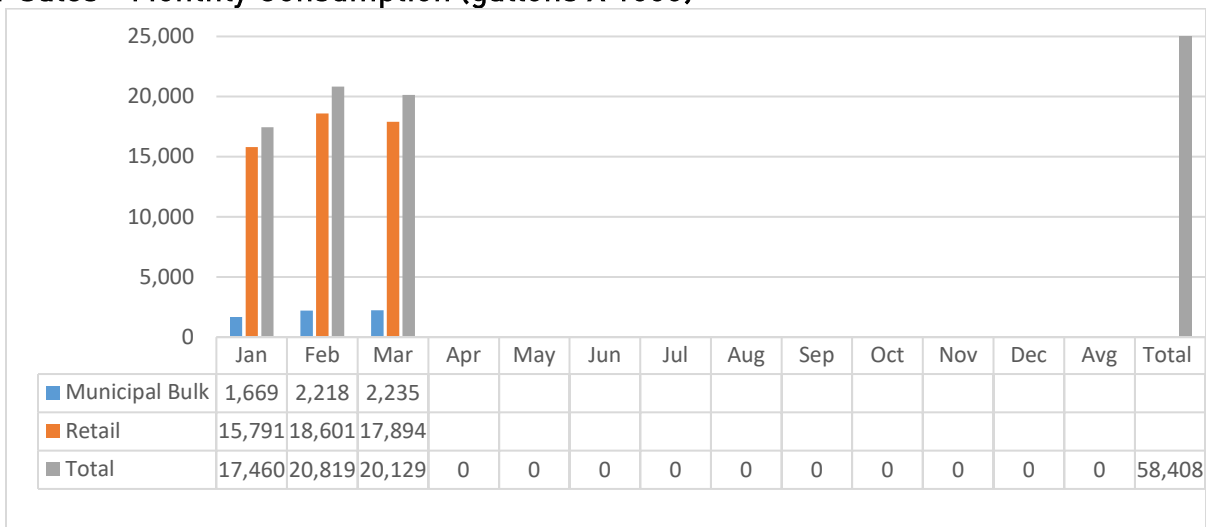


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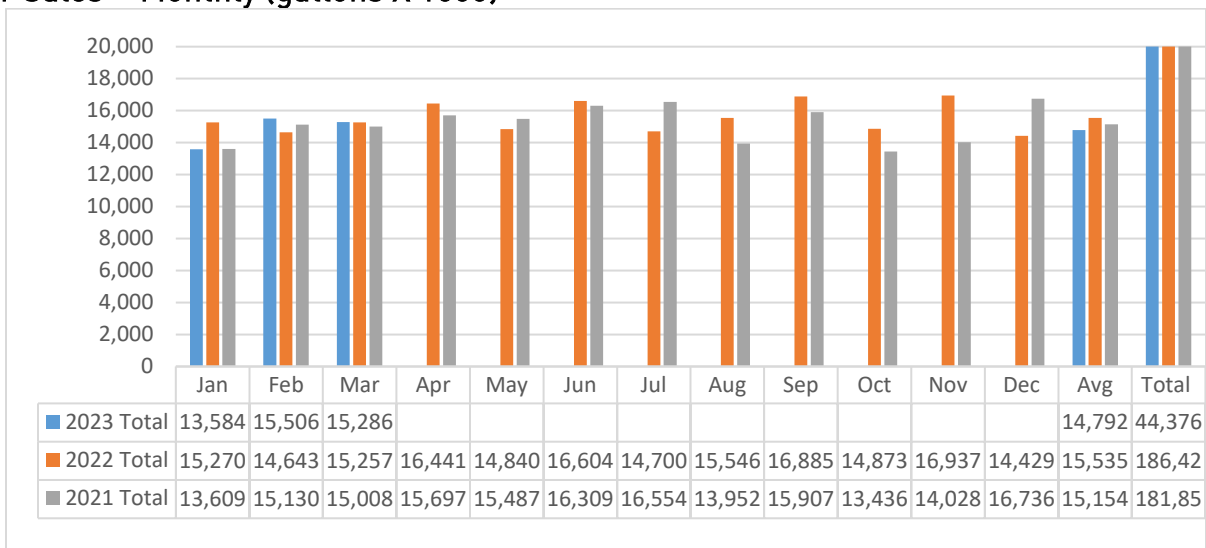
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Water Sales - Monthly Consumption (gallons X 1000)



Sewer Sales - Monthly (gallons X 1000)



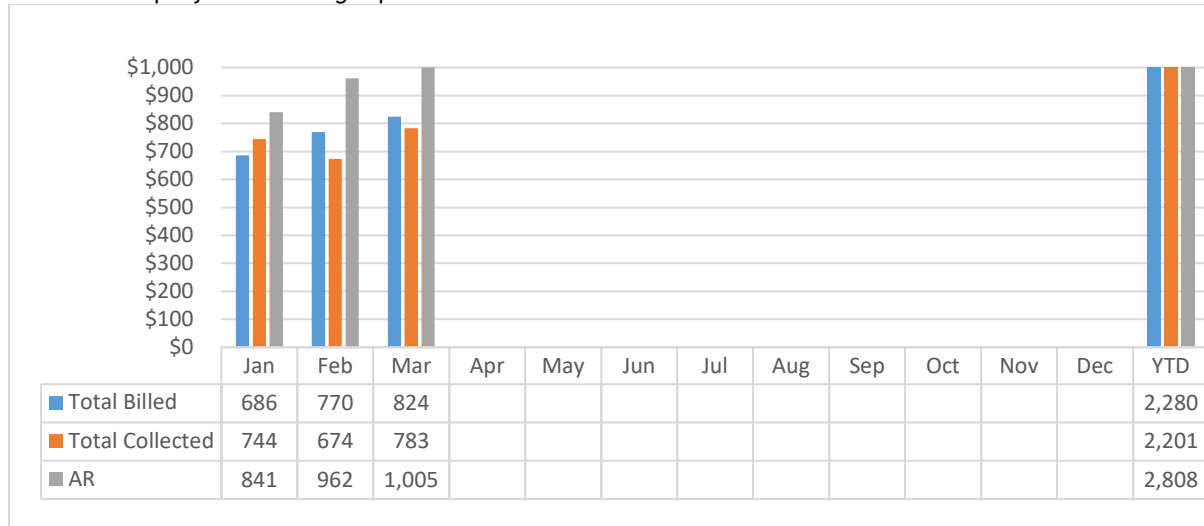
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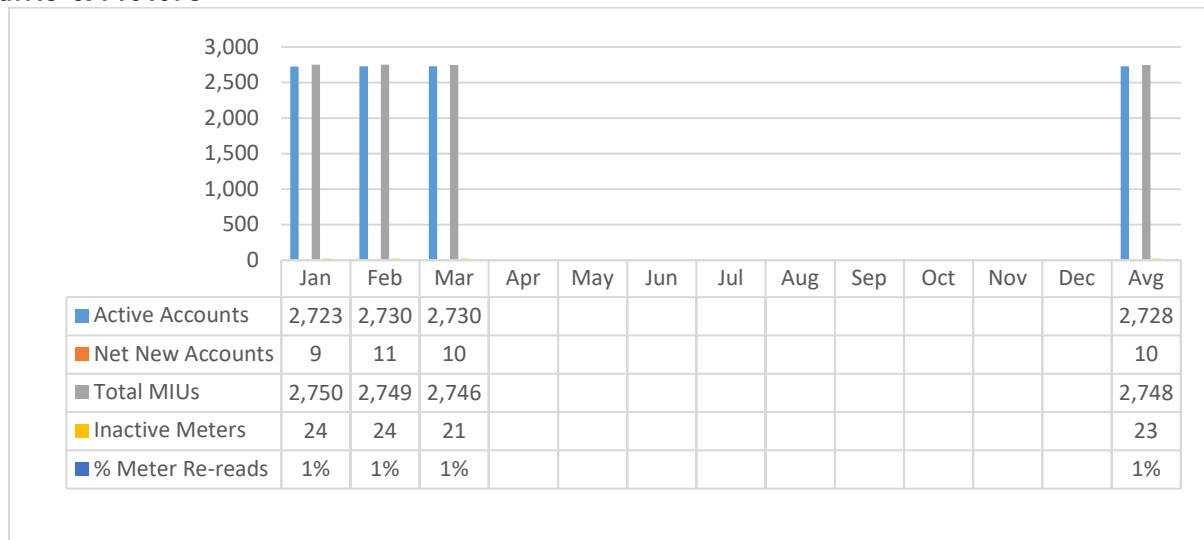


Collections (dollars X 1000)

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



Accounts & Meters

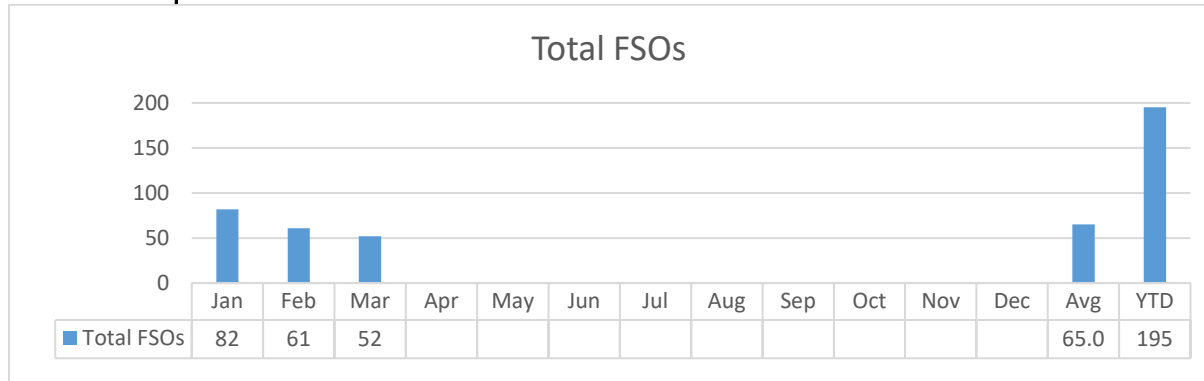


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Field Service Requests



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	0
Unplanned	0	0	0										0	0	0	0	0
2023 Total	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	0
Discolored	0	1	0										1	0	0	0	1
Boil Water Notices	0	0	0										0	0	0	0	0
2023	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

The discolored water call was in regard to the capital project.

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

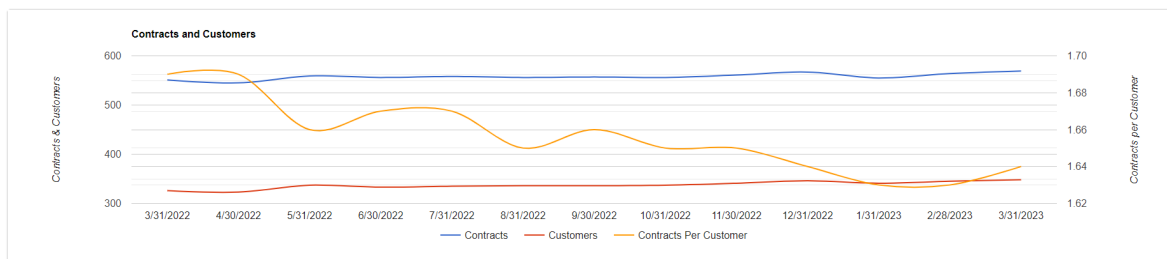
Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Back-up / Blockage	0	1	0										1	0	0	0	1
Odor	0	0	0										0	0	0	0	0
2023 TOTAL	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
2022 TOTAL	0	0	0	0	0	0	0	4	2	1	2	1	0	0	6	4	10

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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Home Serve USA



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

Next Month Customer Service Priorities

Research and compare potential customer online bill payment options, customer portal and customer usage notifications.



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Water Sales Test Period

Water Sales Test Period No. 3 1/1/2021 to 12/31/2023	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD		
														Total	Avg	
Total consumption for the month (gallons)	2021	16,984,200	19,701,800	19,964,700	20,521,000	20,409,700	20,950,100	20,557,500	17,545,400	20,495,500	17,656,500	18,017,900	21,191,200	233,995,500	19,499,625	
	2022	19,111,100	18,317,500	19,119,800	20,815,300	18,711,600	20,471,200	18,402,600	19,375,800	21,509,300	18,966,600	21,567,400	18,383,200	234,751,400	19,562,617	
	2023	17,461,300	20,818,600	20,129,700											58,409,600	19,469,867
Billing Period (days)	2021	31	28	31	30	31	30	31	31	30	31	30	31	365	30	
	2022	31	28	31	30	31	30	31	31	30	31	30	31	365	30	
	2023	31	28	31	30	31	30	31	31	30	31	30	31	365	30	
Retail Sales - Total month (gallons)	2021	15,296,100	17,196,300	17,228,700	17,859,000	17,758,400	18,244,700	18,891,300	15,949,100	18,758,400	15,998,500	16,473,400	19,348,500	209,002,400	17,416,867	
	2022	17,460,800	16,973,300	17,690,900	19,266,000	17,298,800	18,708,000	16,852,200	17,722,600	19,907,900	17,534,000	19,868,500	16,671,700	215,954,700	17,996,225	
	2023	15,791,900	18,600,900	17,894,500											52,287,300	17,429,100
Retail Sales - Average Daily (gallons per day)	2021	493,423	614,154	555,765	595,300	572,852	608,157	609,397	514,487	625,280	516,081	549,113	624,145	6,878,152	573,179	
	2022	563,252	606,189	570,674	642,200	558,026	623,600	543,619	571,697	663,597	565,613	662,283	537,797	7,108,547	592,379	
	2023	509,416	664,318	577,242											1,750,976	583,659
Avg retail water sales (gal)		522,030	628,220	567,894	618,750	565,439	615,878	576,508	543,092	644,438	540,847	605,698	580,971	5,245,892	583,072	
Bulk Municipal Sales - Total month (gallons)	2021	1,688,100	2,505,500	2,736,000	2,662,000	2,651,300	2,705,400	1,666,200	1,596,300	1,737,100	1,567,000	1,544,500	1,842,700	24,902,100	2,075,175	
	2022	1,650,300	1,344,200	1,428,900	1,549,300	1,412,800	1,763,200	1,550,400	1,653,200	1,601,400	1,432,600	1,788,900	1,711,500	18,886,700	1,573,892	
	2023	1,669,400	2,217,700	2,235,200											6,122,300	2,040,767
Bulk Municipal - Average Daily (gallons per day)	2021	54,455	89,482	88,258	88,733	85,526	90,180	53,748	51,494	57,903	50,548	51,483	59,442	821,253	68,438	
	2022	53,235	48,007	46,094	51,643	45,574	58,773	50,013	53,329	53,380	46,213	59,630	55,210	621,102	51,758	
	2023	53,852	79,204	72,103											205,158	68,386
Avg Bulk Customer sales (gal)		53,847	72,231	68,818	70,188	65,550	74,477	51,881	52,411	55,642	48,381	55,557	57,326	549,171	62,861	
Contract Daily Bulk Water Sales Upper Limit (gal/day) =															62,970	
Bulk Sales Surplus (gal/day) =															No Surplus	
Sum of Actual Average daily volume of Metered water sales to Retail Water Customers over Test period + Bulk Sales Surplus (gal/day) =															583,072	
Contract Daily Water Sales Upper Limit (gal/day) =															639,340	

Engineering and Capital Improvements

Capital improvement projects for the water and wastewater systems were developed for 2022 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.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

MARCH 2023



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 next 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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

MARCH 2023



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 is currently providing submittals to HRG for approval. The project mobilized on January 26, 2023. Substantial completion is anticipated to occur in July 2023.

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 will be 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 project. The Turnpike Tank rehabilitation is scheduled to begin in Q2 2023.



MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

MARCH 2023



Capital Improvement Plan

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT MARCH 2023



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

	2022 and 5 YEAR CAPITAL IMPROVEMENT PLAN					
	2022	2023	2024	2025	2026	2027
BASE CAPITAL IMPROVEMENTS						
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 & SNDR 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
TOTAL BASE CAPITAL IMPROVEMENTS *	\$ 389,737	\$ 402,750	\$ 415,750	\$ 387,000	\$ 395,000	\$ 400,000
PROPOSED YEARLY BUDGET FOR BASE CAPITAL PROJECTS **	\$ 390,838	\$ 414,679	\$ 439,974	\$ 466,813	\$ 495,288	\$ 525,501

	2022 *	2023 *	2024 *	2025 *	2026 *	2027 *
MAJOR CAPITAL IMPROVEMENTS						
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		\$ 955,938				
Headworks Upgrade (bar screen, pump, wiring, etc.)		\$ 876,300	\$ -	\$ -	\$ -	\$ -
Contingency (5%)		\$ 174,973	\$ 350,544	\$ 125,690	\$ 125,690	\$ 125,690
TOTAL MAJOR PROJECTS	\$ 3,199,263	\$ 6,907,743	\$ 7,361,428	\$ 2,639,484	\$ 2,639,484	\$ 2,639,484

REGULATORY COMPLIANCE

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

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 Concessional 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										0
Concessionaire Notifications	0	0	0										0
Incident Email Notifications	0	0	0										0
Environmental Incidents – Appletree Hotline notifications	0	0	0										0
Environmental Incidents – Appletree Hotline notifications/chemical spills	0	0	0										0
Non-compliance – violations	0	0	0										0
Reporting non-compliance	0	0	0										0
Safety related incidents – OSHA lost time	0	0	0										0
Total days lost	0	0	0										0
Safety related incidents – Preventable	0	0	0										0
Safety related – Near Miss	0	0	0										0
Employee lost-time – not job-related – total as sick hours	37	12	4										53

On Target	Caution	Meets/Exceeds Target
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Veolia MIDDLETOWN
453 South Lawrence Street
Middletown, PA 17057
717-948-3055



April 30, 2023

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

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

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

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

RE: Laboratory Supervisor Certification – March 2023

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



April 30, 2023

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

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

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

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

RE: Environmental Laws Certification- March 2023

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 dark ink that reads "Kodi Webb". The signature is fluid and cursive.

Kodi Webb
Project Manager
Veolia Middletown

MIDDLETOWN MONTHLY REPORT

APPENDIX 1 WASTEWATER

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

&

SMARTCOVER® MONITORING SYSTEM REPORT



Webb, Kodi <kodi.webb@veolia.com>

Your eDMR Report Has Been Received For Permit No. PA00206642 messages

depgreenporthelpdesk@state.pa.us <depgreenporthelpdesk@state.pa.us>

Thu, Apr 27, 2023 at 5:52 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:** 03/01/2023-03/31/2023**Report Due Date:** 04/28/2023**Submitted By:** Kodi Webb**Submission Id:** 391313**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.

depgreenporthelpdesk@state.pa.us <depgreenporthelpdesk@state.pa.us>

Thu, Apr 27, 2023 at 6:01 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:** Out of Cycle**Report Type:** DMR**Reporting Period:** 03/07/2023-03/07/2023**Report Due Date:****Submitted By:** Kodi Webb**Submission Id:** 391315**Submission Status:** Received

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

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

PA0020664				001		
PERMIT NUMBER				OUTFALL NUMBER		
MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	03	01	TO	2023	03	31

Reporting Frequency: Monthly
DMR Effective From: 03/01/2023
DMR Effective To: 03/31/2023
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.57	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	7.4	***	7.8	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	< 20	25	lbs/day	***	< 2.0	3.0	mg/L	2/week	24-Hr Composite
	Permit Requirement	550 Avg Mo	826 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		2/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 7.92	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	< .06	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	1.13	***	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	***	***	***	***	< 6.79	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	1	***	lbs/day	***	.14	***	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	1.139	2.352	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.30	.71	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 2231.3	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 17.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	320.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 1911.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	39.8	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	> 53	> 20000	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	< 23	39	lbs/day	***	< 2.0	4.0	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

PA0020664
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 03/01/2023
DMR Effective To: 03/31/2023
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	03	01	TO	2023	03	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	< 2231.3	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	39.8	***	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

PA0020664
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 03/01/2023
DMR Effective To: 03/31/2023
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	03	01	TO	2023	03	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	1477	2260	lbs/day	***	159	***	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	962	1519	lbs/day	***	106	***	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
3-23 Effluent Supplemental.xlsx	Daily Effluent Monitoring Form	2023-04-27T17:46:16-04:00	
2023 Annual_Chesapeake_Bay_Spreadsheet_v2.2 .xslm	Annual Chesapeake Bay Spreadsheet	2023-04-27T17:44:30-04:00	
3-23 Biosolids.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-04-27T17:51:37-04:00	
3-23 Influent Supplemental.xls	Influent and Process Control Form	2023-04-27T17:43:32-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
187635	03/01/2023	03/31/2023	Fecal Coliform	Geometric Mean	>53	2000	No./100 ml	Final Effluent (001)			
187636	03/01/2023	03/31/2023	Fecal Coliform	Instantaneous Maximum	>20000	10000	No./100 ml	Final Effluent (001)			

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
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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	04	27
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

3800-FM-BCW0436 3/2012

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

Month: March Year: 2023
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 ₅ (mg/l)	BOD ₅ (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	1.024					4,569.0		25,000.0		
2	1.092					4,883.0		25,000.0		
3	2.352					4,628.0		25,000.0		
4	1.872							30,000.0		
5	1.361							22,500.0		
6	1.262	199.0	2,094	35.0	368	4,678.0		30,000.0		
7	1.133	144.0	1,361	112.0	1,058	4,471.0		25,000.0		
8	1.094					4,782.0		25,000.0		
9	1.118					4,634.0		25,000.0		
10	1.091					4,688.0		25,000.0		
11	1.077							25,000.0		
12	1.119							25,000.0		
13	1.112	115.0	1,067	88.0	816	4,662.0		25,000.0		
14	1.053	133.0	1,168	173.0	1,519	4,616.0		25,000.0		
15	1.022					4,578.0		30,000.0		
16	1.046					4,275.0		25,000.0		
17	1.019					4,703.0		25,000.0		
18	0.985							25,000.0		
19	1.092							25,000.0		
20	1.042	121.0	1,052	86.0	747	4,520.0		30,000.0		
21	0.937	183.0	1,430	124.0	969	4,395.0		26,000.0		
22	0.414					4,429.0		25,000.0		
23	1.041					2,440.0		0.0		
24	1.173					3,145.0		10,000.0		
25	1.237							10,000.0		
26	1.079							15,000.0		
27	1.173	231.0	2,260	92.0	900	3,390.0		20,000.0		
28	1.128	147.0	1,383	140.0	1,317	3,413.0		20,000.0		
29	1.042					3,588.0		20,000.0		
30	1.022					3,346.0		15,000.0		
31	1.101					3,528.0		20,000.0		
Avg	1.139	159	1,477	106	962	4,190		22,532		
Max	2.352	231	2,260	173	1,519	4,883		30,000		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Kodi Webb
Title: Project Manager

License No.: 23501
Date: 4/27/2023

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3800-FM-BCW0435 3/2012

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

Month: **3** (select number) Year: **2023**
Permit No.: **PA0020664** Outfall: **001**
Renewal application due **180 days** prior to expiration.
This permit will expire on: **February 28, 2026**

Parameter			Flow	Fecal Coliform	Dissolved Oxygen	TRC	NH3-N	CBOD5	Total Phosphorus	TSS	pH								
Stage			1	1	1	1	1	1	1	1	1								
Week	Day	Date	MGD	Q CFU/100 ml	Q mg/L	Q mg/L	Q mg/L	Q mg/L	Q mg/L	Q mg/L	Q S.U.	Q	Q	Q	Q	Q	Q	Q	Q
1	Sun	2/26/23																	
	Mon	2/27/23																	
	Tue	2/28/23																	
	Wed	3/1/23	1.024	320.0	9.1	0.32					7.5								
	Thu	3/2/23	1.092		8.57	0.46					7.5								
	Fri	3/3/23	2.352		8.7	0.32					7.5								
	Sat	3/4/23	1.872		9.04	0.4					7.4								
2	Sun	3/5/23	1.361		9.49	0.29					7.5								
	Mon	3/6/23	1.262		9.16	0.29	< 0.02	4.0	0.23	2.0	7.5								
	Tue	3/7/23	1.133	> 20000.0	8.88	0.15	< 0.02	3.7	0.12	3.0	7.4								
	Wed	3/8/23	1.094	54.0	9.57	0.3					7.6								
	Thu	3/9/23	1.118		9.19	0.13					7.6								
	Fri	3/10/23	1.091		9.16	0.55					7.6								
	Sat	3/11/23	1.077		9.0	0.42					7.6								
3	Sun	3/12/23	1.119		9.5	0.45					7.6								
	Mon	3/13/23	1.112		8.95	0.42					7.5								
	Tue	3/14/23	1.053	< 2.0	9.24	0.5	< 0.02	< 2.0	0.1	< 1.0	7.5								
	Wed	3/15/23	1.022	48.0	9.36	0.4		< 2.0	0.14	2.0	7.6								
	Thu	3/16/23	1.046		8.89	0.04					7.5								
	Fri	3/17/23	1.019		8.84	0.32					7.5								
	Sat	3/18/23	0.985		8.92	0.62					7.6								
4	Sun	3/19/23	1.092		9.14	0.55					7.7								
	Mon	3/20/23	1.042		9.13	0.36		< 2.0	0.13	3.0	7.6								
	Tue	3/21/23	0.937	78.0	9.24	0.34	0.04	2.1	0.12	< 1.0	7.7								
	Wed	3/22/23	0.414	56.0	9.08	0.23					7.6								
	Thu	3/23/23	1.041		8.73	0.71					7.7								
	Fri	3/24/23	1.173		8.67	0.23					7.6								
	Sat	3/25/23	1.237		9.29	0.32					7.7								
5	Sun	3/26/23	1.079		8.95	0.24					7.8								
	Mon	3/27/23	1.173		9.0	0.27	0.08	< 2.0	0.12	1.0	7.7								
	Tue	3/28/23	1.128	58.0	9.09	0.28	0.04	< 2.0	0.14	4.0	7.6								
	Wed	3/29/23	1.042	3.0	9.19	0.31					7.6								
	Thu	3/30/23	1.022		9.11	0.27					7.6								
	Fri	3/31/23	1.101		9.2	0.2					7.6								
	Sat	4/1/23		7.6															
Statistics for DMR																			
Daily Minimum (Conc.):				<	2	8.57	0.04	<	0.02	<	2	0.1	<	1	###	7.4			
Daily Maximum (Conc):				>	20000	9.57	0.71		0.2		4	0.23		4	###	7.8			
Max Avg Weekly (Conc.):						9.21	0.4		0.12		4	0		3					
Avg Monthly (Conc.):						9.08	0.3	<	0.06	<	2	0.14	<	2					
Geometric Mean (Conc.):				>	53														
Max Avg Weekly (Load):						117	5		1		39	2		25	#REF!				
Avg Monthly (Load):						86	3	<	0.6	<	23	1	<	20	#REF!				
Total Monthly (Load):						35.313	2670	<	17	<	718	40	<	610	#REF!				
Daily Minimum (Load):						0.414	31	<	0.2		16	0.9	<	8	#REF!				
Daily Maximum (Load):						2.352	171		2		42	2		38	#REF!				

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 License No.: 23501
Title: Project Manager Date: 27-Apr

Month: **March** Year: **2023**
NPDES Permit No.: **PA0020664**
Renewal application due **180 days** prior to expiration
This permit will expire on: **February 28, 2026**

☒ Check here if there were no off-site removal events during the month[illegible]

TOTAL:

Site Name	Marvin Weaver Cedar Rd Farm			
Municipality	Conewago Township			
County	Dauphin County			
DEP Permit No.	PAG07-3504			
Type of Material*	Biosolids			
Dry Tons Applied/Disposed	13.73			
Type of Disposal/Use*	Agricultural Utilization			
Hauler Name	BORO. MIDDLETOWN			

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).

License No.: **23501**
Date: **4/27/2023**

CHESAPEAKE BAY SUPPLEMENTAL REPORT ANNUAL NUTRIENT MONITORING

☒ Continuous Discharge

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

County: **Dauphin**

☒ Sewage ☐ Industrial Waste

Compliance Year: **2023**
NPDES Permit No.: **PA0020664**
This permit will expire on: **February 28, 2026**
TP Cap Load (lbs): **5,358**
TP Delivery Ratio: **0.503**

Outfall: **001**

Sample Date	FLOW MGD	Total Phosphorus (TP)				NH ₃ -N				TKN				NO ₂ +NO ₃ as N				Total Nitrogen (TN)			
		Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day
10/1/22	1.238																				
10/2/22	1.528																				
10/3/22	1.181		0.52		5.1		0.02		0.2		1.0		9.8	<	2.2	<	21.7	<	3.20	<	31.5
10/4/22	1.941		0.61		9.9		0.07		1.1		1.1		17.8		4.2		68.0		5.30		85.8
10/5/22	1.323																				
10/6/22	1.099																				
10/7/22	0.970																				
10/8/22	1.000																				
10/9/22	1.000																				
10/10/22	1.031		0.53		4.6	<	0.02	<	0.2		1.0		8.6	<	2.4	<	20.6	<	3.40	<	29.2
10/11/22	0.925		0.31		2.4		0.03		0.2		0.7		5.4	<	2.3	<	17.7	<	3.00	<	23.1
10/12/22	0.922																				
10/13/22	1.230																				
10/14/22	1.063																				
10/15/22	0.924																				
10/16/22	0.960																				
10/17/22	1.019		0.39		3.3		0.05		0.4		0.9		7.6		2.2		18.7		3.10		26.3
10/18/22	1.000		0.24		2.0		0.04		0.3		1.1		9.2		2.4		20.0		3.50		29.2
10/19/22	0.962																				
10/20/22	0.969																				
10/21/22	0.931																				
10/22/22	0.870																				
10/23/22	1.300																				
10/24/22	1.204		0.3		3.0		0.05		0.5		1.0		10.0		2.4		24.1		3.40		34.1
10/25/22	1.023		0.33		2.8		0.02		0.2		0.8		6.8		2.4		20.5		3.20		27.3
10/26/22	1.029																				
10/27/22	0.953																				
10/28/22	0.944																				
10/29/22	0.907																				
10/30/22	0.969																				
10/31/22	1.111		0.6		5.6		0.04		0.4		0.9		8.3	<	2.4	<	22.2	<	3.30	<	30.6
11/1/22	1.068		0.49		4.4	<	0.02	<	0.2		0.9		8.2	<	2.5	<	22.0	<	3.39	<	30.2
11/2/22	0.929																				
11/3/22	0.883																				
11/4/22	0.923																				
11/5/22	0.870																				
11/6/22	0.948																				
11/7/22	0.917		0.47		3.6	<	0.02	<	0.2		0.7		5.3	<	2.6	<	19.7	<	3.27	<	25.0
11/8/22	0.866		0.48		3.5	<	0.02	<	0.1		0.7		5.1	<	2.5	<	18.3	<	3.24	<	23.4
11/9/22	0.910																				
11/10/22	0.936																				
11/11/22	1.876																				
11/12/22	1.317																				
11/13/22	1.107																				
11/14/22	1.110		0.39		3.6	<	0.02	<	0.2		0.6		5.5	<	2.9	<	26.9	<	3.50	<	32.4

11/15/22	1.739	0.30	4.4		0.08		1.2	0.5	7.5	<	3.3	<	47.3	<	3.78	<	54.8
11/16/22	1.575																
11/17/22	1.275																
11/18/22	1.116																
11/19/22	1.073																
11/20/22	1.080																
11/21/22	1.028	1.06	9.1	<	0.02	<	0.2	0.6	5.0	<	10.0	<	85.6	<	10.57	<	90.6
11/22/22	1.014	1.00	8.5		0.19		1.6	1.1	9.6	<	10.3	<	87.1	<	11.43	<	96.7
11/23/22	1.001																
11/24/22	0.904																
11/25/22	0.890																
11/26/22	0.895																
11/27/22	1.199																
11/28/22	1.099	0.65	6.0	<	0.02	<	0.2	1.0	9.3	<	9.3	<	85.1	<	10.29	<	94.3
11/29/22	0.987	0.67	5.5	<	0.02	<	0.2	0.5	4.3	<	10.0	<	82.6	<	10.56	<	86.9
11/30/22	1.386																
12/1/22	1.162																
12/2/22	1.040																
12/3/22	1.245																
12/4/22	1.128																
12/5/22	1.040	1.03	8.9		0.14		1.2	1.2	10.1	<	9.4	<	81.4	<	10.55	<	91.5
12/6/22	1.206	1.00	10.1		0.10		1.0	0.8	8.3	<	10.4	<	104.6	<	11.23	<	113.0
12/7/22	1.058																
12/8/22	1.024																
12/9/22	1.128																
12/10/22	1.016																
12/11/22	1.100																
12/12/22	1.115	1.43	13.3	<	0.02	<	0.2	1.2	11.3	<	10.8	<	100.4	<	12.02	<	111.8
12/13/22	1.038	1.12	9.7		0.02		0.2	< 0.5	4.3	<	10.5	<	90.9	<	11.00	<	95.2
12/14/22	1.052																
12/15/22	3.025																
12/16/22	2.393																
12/17/22	1.566																
12/18/22	1.369																
12/19/22	1.973	0.86	14.2	<	0.02	<	0.3	0.6	10.2	<	6.1	<	99.7	<	6.68	<	109.9
12/20/22	1.177	0.44	4.3	<	0.02	<	0.2	0.7	6.6	<	8.4	<	82.8	<	9.11	<	89.4
12/21/22	1.169																
12/22/22	2.986																
12/23/22	2.500																
12/24/22	1.737																
12/25/22	1.435																
12/26/22	1.364	0.12	1.4		0.04		0.5	< 0.5	5.7	<	5.8	<	66.4	<	6.34	<	72.1
12/27/22	1.380	0.08	0.9	<	0.02	<	0.2	< 0.5	5.8	<	7.0	<	80.0	<	7.45	<	85.7
12/28/22	1.237																
12/29/22	1.203																
12/30/22	1.175																
12/31/22	1.334																
1/1/23	1.210																
1/2/23	1.198	0.11	1.1	<	0.02	<	0.2	1.3	13.0	<	6.5	<	64.9	<	7.80	<	77.9
1/3/23	1.982	0.17	2.8		0.04		0.7	< 0.5	8.3	<	6.1	<	100.8	<	6.60	<	109.1
1/4/23	1.537																
1/5/23	1.371																
1/6/23	1.249																
1/7/23	1.252																
1/8/23	1.238																
1/9/23	1.458	0.16	1.9	<	0.02	<	0.2	0.5	6.1		7.0		85.1		7.50		91.2
1/10/23	1.266	0.12	1.3		0.08		0.8	0.8	8.4		7.9		83.4		8.70		91.9

[illegible]

[illegible]

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7/1/23																				
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9/30/23																			
Avg	1.207	0.39	3.8	<	0.06	<	0.6	<	0.91	<	8.9	<	6.46	<	64.1	<	7.37	<	73
Annual Total Mass Loads (lbs):				1399	<	219	<	3242	<	23405	<	26647							

P Credits Generated: 684

No N Credits Generated

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Prepared By: **Kodi Webb**
Title: **Project Manager**

License No.: **23501**
Date: **4/27/2023**

Monthly Statistics

Monthly Total Mass Loads (lbs)

<u>Month</u>	<u>Total Phosphorus (TP)</u>	<u>NH₃-N</u>	<u>TKN</u>	<u>NO₂+NO₃ as N</u>	<u>Total Nitrogen (TN)</u>
October	133.1	< 12.2	288.2	< 804.5	< 1092.7
November	161.3	< 13.2	198.9	< 1582.3	< 1781.2
December	243.1	< 14.7	< 241.8	< 2736.8	< 2978.6
January	93	< 39.4	< 302.2	< 2594.9	< 2897.1

February	32.5	< 9.6	265.9	< 2063.7	< 2329.6
March	39.8	< 17.2	320.2	< 1911.2	< 2231.3
April					
May					
June					
July					
August					
September					

Average Monthly Concentrations (mg/L)

<u>Month</u>	<u>Total Phosphorus (TP)</u>	<u>NH₃-N</u>	<u>TKN</u>	<u>NO₂+NO₃ as N</u>	<u>Total Nitrogen (TN)</u>
October	0.43	< 0.04	0.94	< 2.54	< 3.49
November	0.61	< 0.05	0.74	< 5.93	< 6.67
December	0.76	< 0.05	< 0.75	< 8.55	< 9.3
January	0.26	< 0.12	< 0.88	< 7.28	< 8.16
February	0.13	< 0.04	1.03	< 8.04	< 9.07
March	0.14	< 0.06	1.13	< 6.79	< 7.92
April					
May					
June					
July					
August					
September					

VEOLIA Middletown WWTP

March, 2023

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	1.024													320								
02	1.092																					
03	2.352																					
04	1.872																					
05	1.361																					
06	1.262	199	2,094	4.0	42.10	98.0	35	368	2.0	21.05	94.3	0.23	2.42		<0.02	<0.21	<7.3	<77.14	1.0	10.10	<8.29	<87.2
07	1.133	144	1,360	3.7	34.95	97.4	112	1,058	3.0	28.34	97.3	0.12	1.13	>20,000	<0.02	<0.19	<6.7	<63.48	1.6	15.30	<8.34	<78.8
08	1.094													54								
09	1.118																					
10	1.091																					
11	1.077																					
12	1.119																					
13	0.112	115	107	<2.0	<1.87	98.3	88	82	<1.0	0.93	98.9	0.10	0.09		0.07	0.07	<9.0	<8.43	0.8	0.74	<9.81	<9.2
14	1.053	133	1,167	<2.0	<17.56	98.5	173	1,519	2.0	17.56	98.8	0.14	1.23	<2	<0.02	<0.18	<10.1	<88.57	1.0	8.69	<11.08	<97.3
15	1.022													48								
16	1.046																					
17	1.019																					
18	0.985																					
19	1.092																					
20	1.042	121	1,051	<2.0	<17.38	98.3	86	747	3.0	26.07	96.5	0.13	1.13		0.20	1.74	8.4	72.56	1.1	9.30	9.42	81.9
21	0.937	183	1,430	2.1	16.40	98.9	124	969	<1.0	7.81	99.2	0.12	0.94	78	0.04	0.31	8.5	66.48	1.4	11.25	9.95	77.7
22	0.414													56								
23	1.041																					
24	1.173																					
25	1.237																					
26	1.079																					
27	1.173	231	2,259	<2.0	<19.56	99.1	92	900	1.0	9.78	98.9	0.12	1.17		0.08	0.78	<2.1	<20.25	1.1	10.66	<3.16	<30.9
28	1.128	147	1,383	<2.0	<18.81	98.6	140	1,317	4.0	37.63	97.1	0.14	1.32	58	0.04	0.38	<2.2	<20.98	1.1	9.97	<3.29	<30.9
29	1.042													3								
30	1.022																					
31	1.101																					

REVISED 9/18/15 M

VEOLIA Middletown WWTP
Daily Effluent Grab Monitoring / Weather

March

2023

Date	Operator Initials	Effluent Grab Sample Time		pH		RPD	Dissolved Oxygen (mg/L)		RPD	Total Residual Chlorine (mg/L)		RPD	Temp.	Influent COD mg/L	Comments
		Start	Finish	#1	#2	%	#1	#2	%	#1	#2	%	C		
01	MB/TH	0737	0737	7.50	7.50	0.00	9.10	9.09	0.11	0.32	.31	3.17	14.8	455.00	OX DITCH #2 O/S
02	MB/TH	0753	0753	7.50	7.60	-1.32	8.57	8.58	-0.12	0.46	.46	.00	16.5	755.00	OX DITCH #2 O/S
03	MB	0921	0921	7.50	7.60	-1.32	8.70	8.74	-0.46	0.32	.31	3.17	15.7	286.00	OX DITCH #2 O/S
04	MB	0803	0803	7.40	7.40	0.00	9.04	9.04	0.00	0.40	.37	7.79	13.5		OX DITCH #2 O/S
05	TH	0904	0904	7.50	7.50	0.00	9.49	9.48	0.11	0.29	.31	-6.67	14.7		OX DITCH #2 O/S
06	MB	0904	0904	7.50	7.60	-1.32	9.16	9.19	-0.33	0.29	.31	-6.67	14.7	426.00	OX DITCH #2 O/S
07	RA	0832	0832	7.40	7.50	-1.34	8.88	8.89	-0.11	0.15	.13	14.29	14.2	415.00	OX DITCH #2 O/S
08	MB	0908	0908	7.60	7.70	-1.31	9.57	9.61	-0.42	0.30	.28	6.90	14.1	438.00	OX DITCH #2 O/S
09	MB/TH	0827	0827	7.60	7.60	0.00	9.19	9.18	0.11	0.13	.13	.00	14.8	356.00	OX DITCH #2 O/S
10	MB	0714	0714	7.60	7.60	0.00	9.16	9.17	-0.11	0.55	.54	1.83	15.0	707.00	OX DITCH #2 O/S
11	CH	0512	0512	7.60	7.60	0.00	9.00	8.90	1.12	0.42	.42	.00	14.9		OX DITCH #2 O/S
12	MB	1034	1034	7.60	7.60	0.00	9.50	9.49	0.11	0.45	.45	.00	14.1		OX DITCH #2 O/S
13	MB	0952	0952	7.50	7.60	-1.32	8.95	8.99	-0.45	0.42	.40	4.88	14.5	572.00	OX DITCH #2 O/S
14	MB	0739	0739	7.60	7.70	-1.31	9.24	9.22	0.22	0.50	.47	6.19	13.8	613.00	OX DITCH #2 O/S
15	MB	0929	0929	7.60	7.60	0.00	9.36	9.37	-0.11	0.40	.40	.00	13.6	762.00	OX DITCH #2 O/S
16	MB	0754	0754	7.50	7.60	-1.32	8.89	8.90	-0.11	0.04	.04	.00	14.7	503.00	OX DITCH #2 O/S
17	MB	0857	0857	7.50	7.50	0.00	8.84	8.81	0.34	0.32	.30	6.45	15.4	364.00	OX DITCH #2 O/S
18	MB	0948	0948	7.60	7.50	1.32	8.92	8.93	-0.11	0.62	.61	1.63	15.7		OX DITCH #2 O/S
19	TH	0844	0844	7.70	7.70	0.00	9.14	9.13	0.11	0.55	.50	9.52	14.6		OX DITCH #2 O/S
20	MB	0953	0953	7.60	7.60	0.00	9.13	1.14	155.60	0.36	.36	.00	14.5	521.00	OX DITCH #2 O/S
21	MB	0754	0754	7.70	7.70	0.00	9.24	9.22	0.22	0.34	.30	12.50	14.9	452.00	OX DITCH #2 O/S
22	MB	0910	0910	7.60	7.60	0.00	9.08	9.11	-0.33	0.23	.22	4.44	915.7	810.00	FILLING OX DITCH #2
23	MB/TH	0803	0803	7.70	7.70	0.00	8.73	8.73	0.00	0.71	.72	-1.40	16.4	480.00	PUT OX DITCH 2 IN SERVICE
24	MB	0947	0947	7.60	7.60	0.00	8.67	8.69	-0.23	0.23	.27	-16.00	16.5	547.00	
25	TH	0950	0950	7.70	7.70	0.00	9.29	9.27	0.22	0.32	.23	32.73	15.8		
26	CK			7.80	7.70	1.29	8.95	8.96	-0.11	0.24	.25	-4.08			
27	MB	0936	0936	7.70	7.70	0.00	9.00	8.99	0.11	0.27	.22	20.41	16.7	443.00	
28	MB	0842	0842	7.60	7.70	-1.31	9.09	9.13	-0.44	0.28	.27	3.64	15.6	655.00	
29	MB	1042	1042	7.60	7.70	-1.31	9.19	9.19	0.00	0.31	.29	6.67	16.3	832.00	
30	MB	0853	0853	7.60	7.70	-1.31	9.11	9.12	-0.11	0.27	.26	3.77	15.6	832.00	
31/202	MB	0958	0958	7.60	7.60	0.00	9.20	9.23	-0.33	0.20	.17	16.22	15.8	523.00	DRAINING EAST WASTE TANK

VEOLIA Middletown WWTP

Process Control

March

2023

DAY	DITCH				RAS	WASTE			RR	F/M	SETTLING TEST			BLANKETS	
	TS		VS		TS	Gallons	Lbs	SRT			MINUTES		SVI	C1	C2
	mg/L	lbs	mg/L	%	mg/L			Days			5	30		AM	AM
01	4,569	55,630	3,187	69.8	7,282	25,000	1,518	25.56	4.50	0.05	970	610	134	15	20
02	4,883	59,454	3,335	68.3	8,056	25,000	1,680	24.17	5.22	0.06	950	590	121	14	8
03	4,628	56,348	3,336	72.1	7,572	25,000	1,579	25.73	5.61	0.03	940	630	136	12	12
04						30,000								24	18
05						22,500								15	15
06	4,678	56,960	3,402	72.7	9,373	30,000	2,345	17.66	4.78	0.05	920	510	109	20	20
07	4,471	54,442	3,066	68.6	8,595	25,000	1,792	20.83	1.12	0.05	900	510	114	16	12
08	4,782	58,222	3,369	70.5	8,644	25,000	1,802	22.76	4.13	0.05	900	560	117	12	22
09	4,634	56,420	3,229	69.7	9,000	25,000	1,877	20.95	4.77	0.04	880	500	108	12	20
10	4,688	57,083	3,334	71.1	8,162	25,000	1,702	23.85	4.48	0.07	900	510	109	12	16
11						25,000									
12						25,000								18	20
13	4,662	56,766	3,219	69.0	8,465	25,000	1,765	22.21	4.98	0.06	930	500	107	12	12
14	4,616	56,203	3,220	69.8	7,948	25,000	1,657	23.66	4.58	0.07	920	500	108	15	15
15	4,578	55,748	3,407	74.4	7,855	30,000	1,965	21.11	4.17	0.07	930	530	116	12	12
16	4,275	52,057	2,896	67.7	7,855	25,000	1,638	22.38	5.76	0.05	900	480	112	15	20
17	4,703	57,264	3,313	70.4	8,836	25,000	1,842	21.90	5.14	0.04	920	510	108	15	24
18						25,000								15	12
19						25,000									
20	4,520	55,041	3,214	71.1	8,011	30,000	2,004	19.53	5.08	0.05	950	570	126	12	12
21	4,395	53,514	3,168	72.1	7,849	26,000	1,702	22.67	4.90	0.05	900	460	105	15	13
22	4,429	53,912	3,163	71.4	8,492	25,000	1,771	21.75	5.62	0.07	910	470	106	12	17
23	2,440	29,705	1,485	60.9	5,588	0	0		22.26		490	270	111	12	12
24	3,145	38,291	2,060	65.5	6,155	10,000	513	48.87	10.57	0.09	510	270	86	12	12
25						10,000									
26						15,000									
27	3,390	41,276	2,363	69.7	6,739	20,000	1,124	25.59	5.33	0.06	700	330	97	12	12
28	3,413	41,553	2,389	70.0	6,208	20,000	1,035	28.09	6.18	0.10	650	330	97	12	15
29	3,588	43,686	2,501	69.7	5,696	20,000	950	32.05	6.19	0.12	710	350	98	15	15
30	3,346	40,740	2,263	67.6	6,494	15,000	812	33.92	5.35	0.12	700	360	108	12	12
31	3,538	43,076	2,295	64.9	6,228	20,000	1,039	26.90	9.52	0.07	760	390	110	12	12
AVG	4,190	51,017	2,922	69.4	7,613	22,532	1,483	25.1	6.10	0.06	837	467	111	14	15

PA MIDDLETOWN WWTP

THICKENER MONTHLY REPORT

March

2023

DATE	RUN	FEED SLUDGE			DISCHARGE SLUDGE			POLYMER
	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01								
02	6.75	97,892	0.85	6,940	13,464	4.60	5,165	6
03								
04								
05								
06	6.50	95,976	0.89	7,124	16,830	4.96	6,962	7
07								
08								
09	6.75	97,602	0.87	7,082	13,464	4.90	5,502	6
10								
11								
12								
13	7.75	111,620	0.81	7,540	13,464	5.47	6,142	7
14								
15								
16	6.00	88,350	0.80	5,895	10,098	4.98	4,194	5
17								
18								
19								
20	6.75	97,628	0.84	6,839	13,464	4.85	5,446	6
21								
22								
23								
24	4.25	56,458	0.66	3,108	6,732	5.20	2,920	3
25								
26								
27								
28	5.00	63,752	0.59	3,137	8,415	4.66	3,270	5
29								
30								
31								
TOTAL	50	709,278	6.31	47,665	95,931	39.62	39,601	45

REVISED 7/17/14

Veolia Middletown WWTP

March

2023

ATAD TIME and TEMPERATURE																																
Date	Operator	Thickener					ATAD Level			ATAD Feed			ATAD		Minimum		ATAD to SNDR															
		End of feed		Disch. (ATAD Feed)			After			Gallons	TS	VS	End of feed				Date	Start		Gallons												
		Temp.	Feed	TS	VS	VS	Start	Trans.	Feed				Avg	Time	Till Transfer	Time		Temp.														
																			° F		Gals.	mg/L	mg/L	%	Ft	Ft	Ft	°F	24 HR	Hours	Date/Time	° F
03/01/23							9.3	8.6	8.6								3/1/23	14:40	134.6	12,600												
03/02/23	MB	129.7	97,892	45,967	35,017	76.2	8.6	8.5	9.3	13,464	5,162	3,932	131.5	14:00	21.9	3/3/23 11:55																
03/03/23																																
03/04/23							9.3	8.4	8.4								3/4/23	9:10	134.0	13,567												
03/05/23																																
03/06/23	MB	128.8	95,976	49,631	37,829	76.2	8.4	8.4	9.4	16,830	6,966	5,310	130.8	14:00	24.9	3/7/23 14:51																
03/07/23																																
03/08/23							9.4	8.5	8.5								3/8/23	14:08	133.4	14,455												
03/09/23	MB	129.3	97,602	49,036	37,204	75.9	8.5	8.5	9.3	13,464	5,506	4,178	133.1	14:00	16.5	3/10/23 6:27																
03/10/23																																
03/11/23							9.3	8.4	8.4								3/11/23	7:09	133.9	8,742												
03/12/23																																
03/13/23	MB	129.8	111,620	54,687	41,672	76.2	8.4	8.4	9.2	13,464	6,141	4,679	131.3	14:30	22.7	3/14/23 13:13																
03/14/23																																
03/15/23							9.2	8.5	8.5								3/15/23	13:30	133.9	15,067												
03/16/23	MB	130.4	88,350	49,848	38,284	76.8	8.5	8.5	9.1	10,098	4,198	3,224	134.8	13:30	12.1	3/17/23 1:38																
03/17/23																																
03/18/23							9.1	8.4	8.4								3/18/23	8:45	135.2	10,119												
03/19/23																																
03/20/23	MB	129.9	97,628	48,473	37,367	77.1	8.4	8.4	9.1	13,464	5,443	4,196	133.8	14:15	14.5	3/21/23 4:46																
03/21/23																																
03/22/23																																
03/23/23																																
03/24/23	MB	133.1	56,458	52,013	40,050	77.0	9.1	9.1	9.5	6,732	2,920	2,249	133.8	11:30	14.5	3/25/23 2:01																
03/25/23																																
03/26/23																																
03/27/23							9.5	7.9	7.9								3/27/23	7:00	135.2	24,007												
03/28/23	MB	132.4	63,752	46,611	35,973	77.2	7.9	7.9	8.3	8,415	3,271	2,525		12:30																		
03/29/23																																
03/30/23																																
03/31/23	MB	133.1	68,604	42,604	32,496	76.3	8.2	8.2	8.7	8,415	2,990	2,281		14:00																		

Veolia Middletown WWTP

March

2023

[illegible]

VEOLIA Middletown WWTP

Centrifuge Monthly Report

March

2023

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	4.75	19,425	2.80	4,536	2.27	30.0	352	155	20	74	7.3		
02													
03													
04													
05													
06													
07													
08	4.75	19,414	2.83	4,582	2.29	31.2	348	152	20	71	7.0		
09													
10													
11													
12													
13													
14													
15	5.50	24,077	2.73	5,482	2.74	30.3	337	123	24		6.9		
16													
17													
18													
19													
20													
21													
22													
23	5.50	24,925	2.75	5,717	2.86	30.2	323	113	24	74	6.8		
24													
25													
26													
27													
28													
29	6.50	29,830	2.87	7,140	3.57	31.5	306	86	30	145	7.8		
30													
31													

PA MIDDLETOWN WWTP

March, 2023

BIOSOLIDS INVENTORY

DATE	DRY TONS		TO	USE	TOTAL ON SITE
	PROCESSED	DELIVERED			
03/01/23	2.27			Agriculture	2.27
03/02/23		2.27	Amerigreen	Agriculture	0.00
03/03/23					
03/04/23					
03/05/23					
03/06/23					
03/07/23					
03/08/23	2.29			Agriculture	2.29
03/09/23		2.29	Amerigreen	Agriculture	0.00
03/10/23					
03/11/23					
03/12/23					
03/13/23					
03/14/23					
03/15/23	2.74			Agriculture	2.74
03/16/23					
03/17/23		2.74	Amerigreen	Agriculture	0.00
03/18/23					
03/19/23					
03/20/23					
03/21/23					
03/22/23					
03/23/23	2.86			Agriculture	2.86
03/24/23					
03/25/23					
03/26/23					
03/27/23		2.86	Amerigreen	Agriculture	0.00
03/28/23					
03/29/23	3.57	3.57	Amerigreen	Agriculture	0.00
03/30/23					
03/31/23					
Total Tons	13.73	13.73		Total Tons	10.16
Metric Tons				Metric Tons	

2023

PA MIDDLETOWN WWTP

BIOSOLIDS INVENTORY

DATE	Dry Tons (US Short Tons)		Dry Tons (Metric Tons)	
	PROCESSED	DELIVERED	PROCESSED	DELIVERED
Jan, 2023	16.48	16.48	14.95	14.95
Feb, 2023	16.91	16.91	15.34	15.34
Mar, 2023	13.73	13.73	12.46	12.46
Apr, 2023				
May, 2023				
Jun, 2023				
Jul, 2023				
Aug, 2023				
Sep, 2023				
Oct, 2023				
Nov, 2023				
Dec, 2023				
Total	47.12	47.12	42.75	42.75
Average	15.71	15.71	14.25	14.25
Maximum	16.91	16.91	15.34	15.34
Minimum	13.73	13.73	12.46	12.46

PA MIDDLETOWN WWTP

BIOSOLIDS VOLATILE REDUCTION

MONTH March

YEAR 2023

DAY	THICKENER DISCHARGE			SNDR			%
	TS	TVS	VS	TS	TVS	VS	VOL.
	mg/L		%	mg/L		%	REDUCT.
01							
02							
03							
04							
05							
06	52,000	39,988	77	26,500	14,600	55	63.5
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20	61,000	47,373	78	26,900	15,000	56	68.3
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
AVG	56500.00	43680.50	77.28	26700.00	14800.00	55.43	

% SOLIDS REDUCTION	52.74	66.12	%
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REVISED 7/17/14

Biosolids Volatile Reduction

2022

M.J. Reider Results							
2022							
Date	Thickener Discharge			SNDR			Volatile
	TS	TVS	VS	TS	TVS	VS	Reduction
	mg/L		%	mg/L		%	%
01/04/23	55,000	42,240	77.0	31,900	18,300	56.7	56.7
02/13/23	61,000	46,846	77.0	25,900	14,000	54.0	70.1
03/06/23	52,000	39,988	77.0	26,500	14,600	55.0	63.5
03/20/23	61,000	47,373	78.0	26,900	15,000	56.0	68.3
AVG	57,250	44,112	77.1	27,800	15,475	55.7	
Avg. % TS Reduction		51.4	Avg. Mass Balance % VS Reduction				64.9

**PA MIDDLETOWN WWTP
2023 Annual Performance**

	Flow Data						BOD / CBOD						Phosphorus, Total		Fecal Colif.
	Total MG	Average MG	Maximum		Minimum		Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal	Eff mg/L	Eff Lbs	cfu/100mL
January	43.279	1.396	1/25/2023	2.105	1/18/2023	1.153	429	2	154,777	740	154,037	98.8	0.26	95	300
February	30.250	1.080	2/2/2023	1.317	2/15/2023	0.952	213	2	53,845	549	53,297	98.9	0.23	58	570
March	34.110	1.107	3/3/2023	2.352	3/13/2023	112.000	159	2	45,534	708	44,826	98.4	0.14	39	>20,000
April															
May															
June															
July															
August															
September															
October															
November															
December															
Total	107.639								254,156	1,997	252,160			192	
Average	35.880	1.194		1.925		38.035	267	2	84,719	666	84,053	98.7	0.21	64	
Maximum	43.279	1.396		2.352		112.000	429	2	154,777	740	154,037	98.9	0.26	95	
Minimum	30.250	1.080		1.317		0.952	159	2	45,534	549	44,826	98.4	0.14	39	
	TSS						Ammonia		TKN		Nitrate+Nitrite				Fecal Colif.
	Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Geo. Mean
January	475	3	171,377	1,119	170,258	98.0	0.12	39	0.9	311	7.27	2,625	8.14	2,936	43
February	176	2	44,475	460	44,014	98.3	0.04	10	1.0	253	8.25	2,081	9.25	2,334	122
March	106	2	30,404	608	29,796	97.6	0.06	18	1.1	323	6.79	1,943	7.92	2,266	>53
April															
May															
June															
July															
August															
September															
October															
November															
December															
Total			246,256	2,187	244,068			67	3	887		6,649		7,536	
Average	252.3	2.3	82,085	729	81,356	98.0	0.07	22	1	296	7.44	2,216	8.44	2,512	
Maximum	475.0	3.0	171,377	1,119	170,258	98.3	0.12	39	1	323	8.25	2,625	9.25	2,936	
Minimum	106.0	2.0	30,404	460	29,796	97.6	0.04	10	1	253	6.79	1,943	7.92	2,266	



M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2308211

Report: 03/15/23

Lab Contact: Bradley T Griffiths

Attention: Michael Barger
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2308211-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 03/07/23 07:30 **Received:** 03/07/23 13:37
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	199	mg/l	2.0	SM 5210 B	03/08/23 13:36	C-37a, C-40, C-54e	RXN
Solids, Total Suspended	35	mg/l	1	SM 2540 D	03/08/23		ALD

Lab ID: 2308211-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 03/07/23 08:35 **Received:** 03/07/23 13:37
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	03/10/23		JMW
Carbonaceous Biochemical Oxygen Demand	4.0	mg/l	2.0	SM 5210 B	03/08/23 14:23	C-37, C-40a, C-54b	RXN
Nitrate as N	7.23	mg/l	1.00	EPA 300.0 Rev 2.1	03/07/23 19:23		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/07/23 19:23		KCS
Nitrate+Nitrite as N	<7.33	mg/l	1.10	CALCULATED	03/07/23 19:23		KCS
Nitrogen, Total	<8.29	mg/l	1.60	CALCULATED	03/10/23 22:14		NJG
Nitrogen, Total Kjeldahl (TKN)	0.96	mg/l	0.50	EPA 351.2 Rev 2.0	03/10/23		NJG
Phosphorus as P, Total	0.23	mg/l	0.01	SM 4500-P F	03/10/23		JMW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	03/08/23		ALD



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Additional accreditations by MD (261)

M.J. Reider Associates, Inc.

Lab ID: 2308211-03 **Collected By:** Client **Sampled:** 03/07/23 10:07 **Received:** 03/07/23 13:37
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	>20,000	/100ml	2	SM 9222 D	3/7/23 16:26	3/8/23 14:56		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2308211-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3C0562	03/09/2023	JMW

Notes and Definitions

- C-37 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L at 1.1mg/L.
- C-37a The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L at 1.4mg/L.
- C-40 The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 237 mg/L.
- C-40a The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 262 mg/L.
- C-54b The difference between the highest and lowest results were greater than 30% at 42.3%.
- C-54c The difference between the highest and lowest results were greater than 30% at 51.8%.



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2308443

Report: 03/21/23

Lab Contact: Bradley T Griffiths

Attention: Michael Barger
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2308443-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 03/08/23 08:02 **Received:** 03/08/23 13:39
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	144	mg/l	2.0	SM 5210 B	03/09/23 14:34	C-37, C-54c	RXN
Solids, Total Suspended	112	mg/l	1	SM 2540 D	03/10/23		ALD

Lab ID: 2308443-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 03/08/23 09:08 **Received:** 03/08/23 13:39
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	03/09/23		JMW
Carbonaceous Biochemical Oxygen Demand	3.7	mg/l	2.0	SM 5210 B	03/09/23 18:29	C-40a, C-54g	AMG
Nitrate as N	6.62	mg/l	1.00	EPA 300.0 Rev 2.1	03/08/23 22:13		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/08/23 22:13		KCS
Nitrate+Nitrite as N	<6.72	mg/l	1.10	CALCULATED	03/08/23 22:13		KCS
Nitrogen, Total	<8.34	mg/l	1.60	CALCULATED	03/19/23 15:59		NJG
Nitrogen, Total Kjeldahl (TKN)	1.62	mg/l	0.50	EPA 351.2 Rev 2.0	03/19/23		NJG
Phosphorus as P, Total	0.12	mg/l	0.01	SM 4500-P F	03/10/23		JMW
Solids, Total Suspended	3	mg/l	1	SM 2540 D	03/10/23		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2308443-03 **Collected By:** Client **Sampled:** 03/08/23 10:53 **Received:** 03/08/23 13:39
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	54	/100ml	2	SM 9222 D	3/8/23 16:40	3/9/23 15:02		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2308443-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3C0539	03/09/2023	JMW

Notes and Definitions

- C-37 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L at 0.4 mg/L.
- C-40a The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 246 mg/L.
- C-54c The difference between the highest and lowest results were greater than 30% at 41.0%.
- C-54g The difference between the highest and lowest results were greater than 30% at 63.8%.



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2309421

Report: 03/21/23

Lab Contact: Bradley T Griffiths

Attention: Michael Barger
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2309421-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 03/14/23 07:36 **Received:** 03/14/23 13:34
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	115	mg/l	2.0	SM 5210 B	03/15/23 8:31		RXN
Solids, Total Suspended	88	mg/l	1	SM 2540 D	03/16/23		ENM

Lab ID: 2309421-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 03/14/23 07:39 **Received:** 03/14/23 13:34
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.07	mg/l	0.02	EPA 350.1 Rev 2.0	03/16/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	03/15/23 12:21	C-40	RXN
Nitrate as N	8.92	mg/l	1.00	EPA 300.0 Rev 2.1	03/14/23 15:44		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/14/23 15:44		KCS
Nitrate+Nitrite as N	<9.02	mg/l	1.10	CALCULATED	03/14/23 15:44		KCS
Nitrogen, Total	<9.81	mg/l	1.60	CALCULATED	03/19/23 22:09		NJG
Nitrogen, Total Kjeldahl (TKN)	0.79	mg/l	0.50	EPA 351.2 Rev 2.0	03/19/23		NJG
Phosphorus as P, Total	0.10	mg/l	0.01	SM 4500-P F	03/16/23		JMW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	03/16/23		ENM



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M.J. Reider Associates, Inc.

Lab ID: 2309421-03 **Collected By:** Client **Sampled:** 03/14/23 10:17 **Received:** 03/14/23 13:34
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	3/14/23 16:06	3/15/23 14:26		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2309421-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3C0886	03/15/2023	NJG

Notes and Definitions

C-40 The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 129.7 mg/L.



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2309210

Report: 03/23/23

Lab Contact: Bradley T Griffiths

Attention: Michael Barger
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2309210-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 03/15/23 08:21 **Received:** 03/15/23 13:36
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	133	mg/l	2.0	SM 5210 B	03/16/23 12:41	C-37e, C-40, C-54	AMG
Solids, Total Suspended	173	mg/l	1	SM 2540 D	03/16/23		ENM

Lab ID: 2309210-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 03/15/23 09:29 **Received:** 03/15/23 13:36
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	03/16/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	03/16/23 16:10	C-37b	KMS
Nitrate as N	9.99	mg/l	1.00	EPA 300.0 Rev 2.1	03/15/23 16:48		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/15/23 16:48		KCS
Nitrate+Nitrite as N	<10.09	mg/l	1.10	CALCULATED	03/15/23 16:48		KCS
Nitrogen, Total	<11.08	mg/l	1.60	CALCULATED	03/20/23 1:39		NJG
Nitrogen, Total Kjeldahl (TKN)	0.99	mg/l	0.50	EPA 351.2 Rev 2.0	03/20/23		NJG
Phosphorus as P, Total	0.14	mg/l	0.01	SM 4500-P F	03/16/23		JMW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	03/16/23		ENM



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M.J. Reider Associates, Inc.

Lab ID: 2309210-03 **Collected By:** Client **Sampled:** 03/15/23 11:11 **Received:** 03/15/23 13:36
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	48	/100ml	2	SM 9222 D	3/15/23 16:00	3/16/23 15:47		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2309210-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3C0969	03/16/2023	JMW

Notes and Definitions

- C-37b The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L at 0.6mg/L.
C-37e The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L at 1.0mg/L.
C-40 The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 230 mg/L.
C-54 The difference between the highest and lowest results were greater than 30% at 33.7%.



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2310211

Report: 03/28/23

Lab Contact: Bradley T Griffiths

Attention: Michael Barger
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2310211-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 03/21/23 07:54 **Received:** 03/21/23 13:37
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	121	mg/l	2.0	SM 5210 B	03/22/23 11:17	C-37, C-40	RXN
Solids, Total Suspended	86	mg/l	1	SM 2540 D	03/22/23		ENM

Lab ID: 2310211-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 03/21/23 07:54 **Received:** 03/21/23 13:37
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.20	mg/l	0.02	EPA 350.1 Rev 2.0	03/21/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	03/22/23 14:48	C-37a	RXN
Nitrate as N	8.25	mg/l	1.00	EPA 300.0 Rev 2.1	03/21/23 14:33		KCS
Nitrite as N	0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/21/23 14:33		KCS
Nitrate+Nitrite as N	8.35	mg/l	1.10	CALCULATED	03/21/23 14:33		KCS
Nitrogen, Total	9.42	mg/l	1.60	CALCULATED	03/24/23 12:37		NJG
Nitrogen, Total Kjeldahl (TKN)	1.07	mg/l	0.50	EPA 351.2 Rev 2.0	03/24/23		NJG
Phosphorus as P, Total	0.13	mg/l	0.01	SM 4500-P F	03/21/23		JMW
Solids, Total Suspended	3	mg/l	1	SM 2540 D	03/22/23		ENM



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Lab ID: 2310211-03 **Collected By:** Client **Sampled:** 03/21/23 10:06 **Received:** 03/21/23 13:37
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	78	/100ml	2	SM 9222 D	3/21/23 16:13	3/22/23 14:47		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2310211-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3C1246	03/21/2023	JMW

Notes and Definitions

- C-37 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L at 0.6 mg/L.
C-37a The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L at 0.7 mg/L.
C-40 The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 248 mg/L.



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Additional accreditations by MD (261)



M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2310298

Report: 03/29/23

Lab Contact: Bradley T Griffiths

Attention: Michael Barger
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2310298-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 03/22/23 08:15 **Received:** 03/22/23 13:38
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	03/23/23 11:16		ZJB
Solids, Total Suspended	124	mg/l	1	SM 2540 D	03/23/23		ENM

Lab ID: 2310298-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 03/22/23 09:10 **Received:** 03/22/23 13:38
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.04	mg/l	0.02	EPA 350.1 Rev 2.0	03/23/23		JMW
Carbonaceous Biochemical Oxygen Demand	2.1	mg/l	2.0	SM 5210 B	03/23/23 18:33	C-37d, C-40a, C-54	RXN
Nitrate as N	8.35	mg/l	1.00	EPA 300.0 Rev 2.1	03/22/23 21:00		KCS
Nitrite as N	0.16	mg/l	0.10	EPA 300.0 Rev 2.1	03/22/23 21:00		KCS
Nitrate+Nitrite as N	8.51	mg/l	1.10	CALCULATED	03/22/23 21:00		KCS
Nitrogen, Total	9.95	mg/l	1.60	CALCULATED	03/24/23 14:38		NJG
Nitrogen, Total Kjeldahl (TKN)	1.44	mg/l	0.50	EPA 351.2 Rev 2.0	03/24/23		NJG
Phosphorus as P, Total	0.12	mg/l	0.01	SM 4500-P F	03/23/23		JMW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	03/23/23		ENM



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Additional accreditations by MD (261)

M.J. Reider Associates, Inc.

Lab ID: 2310298-03 **Collected By:** Client **Sampled:** 03/22/23 09:47 **Received:** 03/22/23 13:38
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	56	/100ml	2	SM 9222 D	3/22/23 16:03	3/23/23 15:07		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2310298-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3C1358	03/22/2023	JMW

Notes and Definitions

- C-37d The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L at 1.0 mg/L.
- C-40a The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 253 mg/L.
- C-54 The difference between the highest and lowest results were greater than 30% at 60.4%.



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 Additional accreditations by MD (261)



M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2311058

Report: 04/05/23

Lab Contact: Bradley T Griffiths

Attention: Michael Barger
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2311058-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 03/28/23 08:13 **Received:** 03/28/23 13:14
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	231	mg/l	2.0	SM 5210 B	03/29/23 11:19	C-37d, C-40	RXN
Solids, Total Suspended	92	mg/l	1	SM 2540 D	03/29/23		ALD

Lab ID: 2311058-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 03/28/23 08:42 **Received:** 03/28/23 13:14
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.08	mg/l	0.02	EPA 350.1 Rev 2.0	03/30/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	03/29/23 15:03	C-37b	RXN
Nitrate as N	1.97	mg/l	1.00	EPA 300.0 Rev 2.1	03/28/23 14:36		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/28/23 14:36		KCS
Nitrate+Nitrite as N	<2.07	mg/l	1.10	CALCULATED	03/28/23 14:36		KCS
Nitrogen, Total	<3.16	mg/l	1.60	CALCULATED	03/31/23 15:45		SNF
Nitrogen, Total Kjeldahl (TKN)	1.09	mg/l	0.50	EPA 351.2 Rev 2.0	03/31/23	Q-10	SNF
Phosphorus as P, Total	0.12	mg/l	0.01	SM 4500-P F	03/30/23		JMW
Solids, Total Suspended	1	mg/l	1	SM 2540 D	03/29/23		ALD



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Additional accreditations by MD (261)

M.J. Reider Associates, Inc.

Lab ID: 2311058-03 **Collected By:** Client **Sampled:** 03/28/23 10:29 **Received:** 03/28/23 13:14
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	58	/100ml	2	SM 9222 D	3/28/23 15:46	3/29/23 14:12		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2311058-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3C1705	03/29/2023	SNF

Notes and Definitions

- C-37b The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L at 0.7 mg/L.
- C-37d The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L at 1.4 mg/L.
- C-40 The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 256 mg/L.
- Q-10 The matrix spike(s) were outside acceptable limits of 90-110% recovery at 111% and 112%.



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2311301

Report: 04/06/23

Lab Contact: Bradley T Griffiths

Attention: Michael Barger

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2311301-01

Collected By: Client

Sampled: 03/29/23 09:14

Received: 03/29/23 13:40

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	147	mg/l	2.0	SM 5210 B	03/30/23 10:37		KMS
Solids, Total Suspended	140	mg/l	1	SM 2540 D	03/30/23		ALD

Lab ID: 2311301-02

Collected By: Client

Sampled: 03/29/23 10:42

Received: 03/29/23 13:40

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.04	mg/l	0.02	EPA 350.1 Rev 2.0	03/30/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	03/30/23 17:33		AMG
Nitrate as N	2.13	mg/l	1.00	EPA 300.0 Rev 2.1	03/29/23 17:07		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	03/29/23 17:07		KCS
Nitrate+Nitrite as N	<2.23	mg/l	1.10	CALCULATED	03/29/23 17:07		KCS
Nitrogen, Total	<3.29	mg/l	1.60	CALCULATED	03/31/23 18:56		SNF
Nitrogen, Total Kjeldahl (TKN)	1.06	mg/l	0.50	EPA 351.2 Rev 2.0	03/31/23		SNF
Phosphorus as P, Total	0.14	mg/l	0.01	SM 4500-P F	03/30/23		JMW
Solids, Total Suspended	4	mg/l	1	SM 2540 D	03/31/23		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2311301-03 **Collected By:** Client **Sampled:** 03/29/23 10:42 **Received:** 03/29/23 13:40
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	3	/100ml	2	SM 9222 D	3/29/23 16:36	3/30/23 14:55		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2311301-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3C1715	03/29/2023	JMW



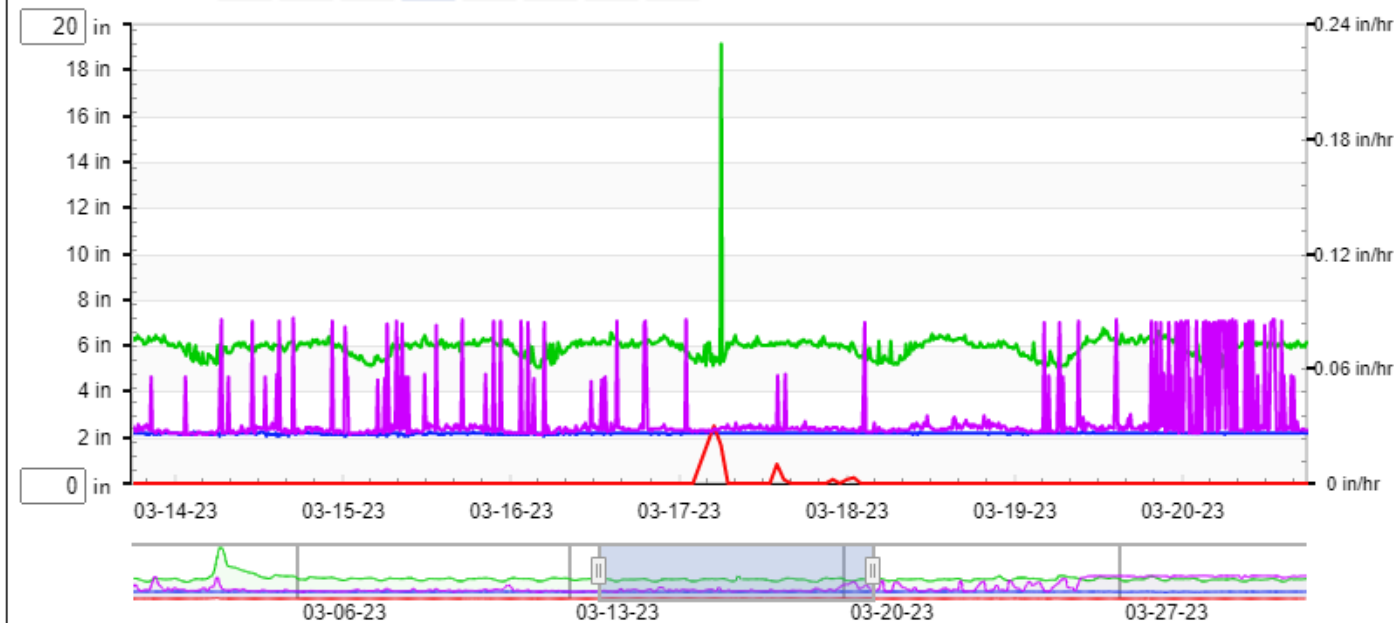
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Window 6h 24h 48h **1w** 1m 3m 6m All

2023-03-13 17:43 → 2023-03-20 17:43



Time Period **Custom** ▼

Date Range 2023-03-01 18:41 - 2023-03-31 18:41

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: 0.10 in

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

MIDDLETOWN MONTHLY REPORT

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

March, 2023

Maximum Day 955,182
Minimum Day 566,616

Days pumped 31

Date	Well No.1	Well No.2	Well No.3	Well No.4	Well No.5	Well No.6	Total	Union Booster
01	104,842	296,834			58,492	182,895	643,063	93,329
02	199,615	293,865			111,652	348,975	954,107	112,322
03	103,634	297,249			57,904	180,567	639,354	88,126
04	191,003	296,013			106,404	333,585	927,005	112,592
05	117,686	299,476			65,932	205,648	688,742	62,230
06	167,057	299,051			93,327	292,244	851,679	121,305
07	149,733	299,703			84,016	263,219	796,671	77,019
08	94,798	301,871			53,091	167,021	616,781	55,867
09	169,093	300,033			94,387	297,515	861,028	121,734
10	147,315	300,622			76,781	260,007	784,725	67,354
11	103,228	289,062			58,030	182,141	632,461	61,923
12	198,121	299,086			110,736	347,239	955,182	127,274
13	155,882	300,005			87,007	273,957	816,851	69,888
14	157,738	299,310			88,136	276,993	822,177	128,925
15	105,176	300,463			58,807	184,223	648,669	63,065
16	179,889	297,962			100,650	316,294	894,795	130,073
17	165,072	297,770			92,517	290,700	846,059	71,557
18	185,164	297,523			104,081	326,413	913,181	127,329
19	127,509	298,009			71,413	222,229	719,160	66,249
20	191,813	296,635			106,887	335,361	930,696	142,423
21	158,921	297,290			88,844	279,290	824,345	67,746
22	168,751	297,710			94,732	298,061	859,254	131,541
23	143,168	299,188			80,712	253,283	776,351	79,953
24	179,330	297,017			100,519	316,990	893,856	112,381
25	110,467	299,399			62,235	94,515	566,616	71,118
26	186,118	297,636			104,508	327,284	915,546	124,328
27	174,994	297,804			98,624	309,279	880,701	62,226
28	171,730	298,875			96,625	302,943	870,173	131,929
29	163,358	298,943			92,106	288,785	843,192	70,154
30	169,163	299,081			95,177	296,101	859,522	125,710
31	153,875	299,176			86,347	271,188	810,586	64,175
Totals:	4,794,243	9,242,661			2,680,679	8,324,945	25,042,528	2,941,845
Maximum	199,615	301,871			111,652	348,975	955,182	142,423
Minimum	94,798	289,062			53,091	94,515	566,616	55,867
Average	154,653	298,150			86,474	268,547	807,823	94,898

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
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	Mar	1 Wed															
6		2 Thu															
7		3 Fri															
8		4 Sat															
9		5 Sun															
10		6 Mon															
11		7 Tue		3-7-23	7.40	19.0	348.0	198.00	107.00	0.07	22.40	<0.02	<0.01	264.00	725.00	7.40	
12		8 Wed															
13		9 Thu															
14		10 Fri															
15		11 Sat															
16		12 Sun															
17		13 Mon															
18		14 Tue		3-14-23	7.40	20.0	336.0	194.00	105.00	0.06	20.70	<0.02	<0.01	270.00	716.00	7.40	
19		15 Wed															
20		16 Thu															
21		17 Fri															
22		18 Sat															
23		19 Sun															
24		20 Mon															
25		21 Tue		3-21-23	7.70	15.0	343.0	194.00	107.00	0.06	23.20	<0.02	<0.01	248.00	679.00	7.70	
26		22 Wed															
27		23 Thu															
28		24 Fri															
29		25 Sat															
30		26 Sun															
31		27 Mon		3-27-23	7.70	15.0	342.0	190.00	107.00	0.07	21.40	<0.02	<0.01	256.00	715.00	7.70	
32		28 Tue															
33		29 Wed															
34		30 Thu															
35		31 Fri															
37		MINIMUM		3-14-23	7.40	15.0	336.0	190.00	105.00	0.06	20.70	<0.02	<0.01	248.00	679.00	7.40	
38		MAXIMUM		3-7-23	7.70	20.0	348.0	198.00	107.00	0.07	23.20	<0.02	<0.01	270.00	725.00	7.70	
39		AVERAGE		1	7.55	17.3	342.3	194.00	106.50	0.07	21.93	<0.02	<0.01	259.50	708.75	3.23	
40		SUM		4	30.20	69.0	1,369.0	776.00	426.00	0.26	87.70	<0.08	<0.04	1,038.00	2,835.00	12.92	



Webb, Kodi <kodi.webb@veolia.com>

Data Added Successfully by HANNANJ

1 message

ra-padwis@state.pa.us <ra-padwis@state.pa.us>

Thu, Apr 6, 2023 at 12:07 PM

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

HANNANJ successfully added data to DWELR on 04/06/23 at 0:08 PM. Form: SDWA1.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_187	701	030723
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_188	703	030723
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_189	707	030723
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_190	704	031423
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_191	705	031423
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_192	701	032123
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_193	703	032123
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_194	707	032123
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_195	704	032723
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_196	705	032723

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.



Webb, Kodi <kodi.webb@veolia.com>

File Uploaded Successfully by HANNANJ

6 messages

ra-padwis@state.pa.us <ra-padwis@state.pa.us>

Thu, Apr 6, 2023 at 11:58 AM

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 (11).xls	HANNANJ	HANNANJ_1 through HANNANJ_31

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@state.pa.us <ra-padwis@state.pa.us>

Thu, Apr 6, 2023 at 11:59 AM

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-1 102 Well No 2 (12).xls	HANNANJ	HANNANJ_32 through HANNANJ_62

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us>

Thu, Apr 6, 2023 at 11:59 AM

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 (12).xls	HANNANJ	HANNANJ_63 through HANNANJ_93

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us>

Thu, Apr 6, 2023 at 12:00 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 (12).xls	HANNANJ	HANNANJ_94 through HANNANJ_124

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us>

Thu, Apr 6, 2023 at 12:01 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-1 105 Well No 5 (12).xls	HANNANJ	HANNANJ_125 through HANNANJ_155

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us>

Thu, Apr 6, 2023 at 12:01 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 (13).xls	HANNANJ	HANNANJ_156 through HANNANJ_186

[Quoted text hidden]



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2308445

Reported: 03/17/23

Lab Contact: Christina M Kistler

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

Project: Jan,Mar,May,Jul,Sep,Nov. Week 1
7220038

Lab ID: 2308445-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 03/07/23 09:02 **Received:** 03/07/23 13:37
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	3/7/23 15:58	3/8/23 16:02		NAK	N/A 1

Lab ID: 2308445-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 03/07/23 08:23 **Received:** 03/07/23 13:37
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	3/7/23 15:58	3/8/23 16:02		NAK	N/A 1

Lab ID: 2308445-03 **Collected By:** Client
Sample Desc: 707 Main St & Catherine St. Hydrant
Notes:

Sampled: 03/07/23 08:37 **Received:** 03/07/23 13:37
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 707

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/7/23 15:58	3/8/23 16:02		NAK	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	030823	701		030723	D	0902	06003	2308445-01	KISTLERC_119
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030823	703		030723	D	0823	06003	2308445-02	KISTLERC_120
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030823	707		030723	D	0837	06003	2308445-03	KISTLERC_121



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2308444

Reported: 03/17/23

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: 2308444-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 03/07/23 09:03 **Received:** 03/07/23 13:37
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	198	mg CaCO ₃ /L	10	SM 2320 B	03/09/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	348	mg/l	4.56	CALCULATED	03/08/23		HRG	N/A N/A	
Phosphorus as P, Total	0.07	mg/l	0.01	SM 4500-P F	03/09/23		JMW	N/A N/A	
Silica as SiO ₂	22.4	mg/l	2.14	CALCULATED	03/09/23		HRG	N/A N/A	
Conductivity	725	umhos/cm	1	SM 2510 B	03/14/23		ZJB	N/A N/A	
Total Metals									
Calcium	107	mg/l	1	EPA 200.7 Rev 4.4	03/08/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	03/09/23		HRG	N/A 0.3	PASS
Magnesium	19.3	mg/l	0.5	EPA 200.7 Rev 4.4	03/08/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	03/09/23		MPB	N/A 0.05	PASS
Silicon	10.5	mg/l	1.0	EPA 200.7 Rev 4.4	03/09/23		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
2308444-01			
SM 4500-P F	SM 4500-P B	03/08/2023	JMW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2309423

Reported: 03/21/23

Lab Contact: Christina M Kistler

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

Project: Jan,Mar,May,Jul,Sep,Nov. Week 2
7220038

Lab ID: 2309423-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 03/14/23 08:36 **Received:** 03/14/23 13:34
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	3/14/23 15:54	3/15/23 10:47		NAK	N/A 1

Lab ID: 2309423-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 03/14/23 08:20 **Received:** 03/14/23 13:34
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	3/14/23 14:43	3/15/23 10:47		NAK	N/A 1



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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	030823	701		030723	D	0902	06003	2308445-01	KISTLERC_119
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030823	703		030723	D	0823	06003	2308445-02	KISTLERC_120
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031523	704		031423	D	0836	06003	2309423-01	KISTLERC_538
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031523	705		031423	D	0820	06003	2309423-02	KISTLERC_539
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030823	707		030723	D	0837	06003	2308445-03	KISTLERC_121



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2309422

Reported: 03/23/23

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: 2309422-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 03/14/23 08:56 **Received:** 03/14/23 13:34
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	194	mg CaCO ₃ /L	10	SM 2320 B	03/15/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	336	mg/l	4.56	CALCULATED	03/21/23		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	03/16/23		JMW	N/A N/A	
Silica as SiO ₂	20.7	mg/l	2.14	CALCULATED	03/16/23		HRG	N/A N/A	
Conductivity	716	umhos/cm	1	SM 2510 B	03/16/23		ALD	N/A N/A	
Total Metals									
Calcium	105	mg/l	1	EPA 200.7 Rev 4.4	03/21/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	03/15/23		HRG	N/A 0.3	PASS
Magnesium	17.9	mg/l	0.5	EPA 200.7 Rev 4.4	03/21/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	03/15/23		MPB	N/A 0.05	PASS
Silicon	9.7	mg/l	1.0	EPA 200.7 Rev 4.4	03/16/23		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
2309422-01			
SM 4500-P F	SM 4500-P B	03/15/2023	JMW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2310300

Reported: 03/23/23

Lab Contact: Christina M Kistler

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

Project: Jan,Mar,May,Jul,Sep,Nov. Week 3
7220038

Lab ID: 2310300-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 03/21/23 09:30 **Received:** 03/21/23 13:37
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	3/21/23 16:42	3/22/23 10:56		NAK	N/A 1

Lab ID: 2310300-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 03/21/23 09:02 **Received:** 03/21/23 13:37
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	3/21/23 16:42	3/22/23 10:56		NAK	N/A 1

Lab ID: 2310300-03 **Collected By:** Client
Sample Desc: 707 Main St & Catherine St. Hydrant
Notes:

Sampled: 03/21/23 09:14 **Received:** 03/21/23 13:37
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 707

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	3/21/23 15:52	3/22/23 10:56		NAK	N/A 1



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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	030823	701		030723	D	0902	06003	2308445-01	KISTLERC_119
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032223	701		032123	D	0930	06003	2310300-01	KISTLERC_1283
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030823	703		030723	D	0823	06003	2308445-02	KISTLERC_120
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032223	703		032123	D	0902	06003	2310300-02	KISTLERC_1284
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031523	704		031423	D	0836	06003	2309423-01	KISTLERC_538
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031523	705		031423	D	0820	06003	2309423-02	KISTLERC_539
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030823	707		030723	D	0837	06003	2308445-03	KISTLERC_121
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032223	707		032123	D	0914	06003	2310300-03	KISTLERC_1285



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2310299

Reported: 03/30/23

Lab Contact: Christina M Kistler

Attention: Michael Barger
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2310299-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 03/21/23 09:32 **Received:** 03/21/23 13:37
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	194	mg CaCO ₃ /L	10	SM 2320 B	03/22/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	343	mg/l	4.56	CALCULATED	03/24/23		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	03/24/23		JMW	N/A N/A	
Silica as SiO ₂	23.2	mg/l	2.14	CALCULATED	03/24/23		HRG	N/A N/A	
Conductivity	679	umhos/cm	1	SM 2510 B	03/27/23		RXN	N/A N/A	
Total Metals									
Calcium	107	mg/l	1	EPA 200.7 Rev 4.4	03/24/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	03/22/23		HRG	N/A 0.3	PASS
Magnesium	18.3	mg/l	0.5	EPA 200.7 Rev 4.4	03/24/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	03/23/23		MPB	N/A 0.05	PASS
Silicon	10.8	mg/l	1.0	EPA 200.7 Rev 4.4	03/24/23		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
2310299-01			
SM 4500-P F	SM 4500-P B	03/23/2023	NJG



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2311303

Reported: 04/04/23

Lab Contact: Christina M Kistler

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

Project: Jan,Mar,May,Jul,Sep,Nov. Week 4
7220038

Lab ID: 2311303-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 03/27/23 08:34 **Received:** 03/27/23 10:44
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	3/27/23 17:05	3/28/23 11:05		JMW	N/A 1

Lab ID: 2311303-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 03/27/23 08:48 **Received:** 03/27/23 10:44
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	3/27/23 17:05	3/28/23 11:05		JMW	N/A 1



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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	030823	701		030723	D	0902	06003	2308445-01	KISTLERC_119
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032223	701		032123	D	0930	06003	2310300-01	KISTLERC_1283
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030823	703		030723	D	0823	06003	2308445-02	KISTLERC_120
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032223	703		032123	D	0902	06003	2310300-02	KISTLERC_1284
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031523	704		031423	D	0836	06003	2309423-01	KISTLERC_538
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032823	704		032723	D	0834	06003	2311303-01	KISTLERC_1478
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	031523	705		031423	D	0820	06003	2309423-02	KISTLERC_539
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032823	705		032723	D	0848	06003	2311303-02	KISTLERC_1479
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	030823	707		030723	D	0837	06003	2308445-03	KISTLERC_121
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	032223	707		032123	D	0914	06003	2310300-03	KISTLERC_1285



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2311302

Reported: 03/30/23

Lab Contact: Christina M Kistler

Attention: Michael Barger
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2311302-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 03/27/23 09:27 **Received:** 03/27/23 10:44
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	190	mg CaCO ₃ /L	10	SM 2320 B	03/29/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	342	mg/l	4.56	CALCULATED	03/29/23		HRG	N/A N/A	
Phosphorus as P, Total	0.07	mg/l	0.01	SM 4500-P F	03/28/23		JMW	N/A N/A	
Silica as SiO ₂	21.4	mg/l	2.14	CALCULATED	03/29/23		HRG	N/A N/A	
Conductivity	715	umhos/cm	1	SM 2510 B	03/27/23		RXN	N/A N/A	
Total Metals									
Calcium	107	mg/l	1	EPA 200.7 Rev 4.4	03/29/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	03/28/23		HRG	N/A 0.3	PASS
Magnesium	18.2	mg/l	0.5	EPA 200.7 Rev 4.4	03/29/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	03/28/23		MPB	N/A 0.05	PASS
Silicon	10.0	mg/l	1.0	EPA 200.7 Rev 4.4	03/29/23		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
2311302-01			
SM 4500-P F	SM 4500-P B	03/28/2023	SNF



107 Angelica Street Reading, PA 19611 (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)



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2250207

Reported: 04/03/23

Lab Contact: Christina M Kistler

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

Project: DW-Gross Alpha
7220038

Lab ID: 2250207-01 **Collected By:** Client
Sample Desc: 100 Entry Point Well #1
Notes:

Sampled: 01/24/23 08:45 **Received:** 01/24/23 12:32
PADEP Type:
PWSID: 7220038 **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Subcontracted									
Gross Alpha Radioactivity	See Attached	pCi/L		EPA 900.0	01/30/23	EAIN	JGZ	N/A	N/A

Lab ID: 2250207-02 **Collected By:** Client
Sample Desc: 104 Entry Point Well #4
Notes:
Comments: No sample was taken at this location.

Sampled: 01/24/23 00:00 **Received:** 01/24/23 12:32
PADEP Type: E-Entry Point
PWSID: 7220038 **Loc ID:** 104

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Field									
No Sample	0			MJRA	01/24/23		NAG	N/A	N/A

Lab ID: 2250207-03 **Collected By:** Client
Sample Desc: 105 Entry Point Well #5
Notes:

Sampled: 01/24/23 09:12 **Received:** 01/24/23 12:32
PADEP Type:
PWSID: 7220038 **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Subcontracted									
Gross Alpha Radioactivity	See Attached	pCi/L		EPA 900.0	01/30/23	EAIN	JGZ	N/A	N/A

Lab ID: 2250207-04 **Collected By:** Client
Sample Desc: 106 Entry Point Well #6
Notes:

Sampled: 01/24/23 08:58 **Received:** 01/24/23 12:32
PADEP Type:
PWSID: 7220038 **Loc ID:**

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Subcontracted									
Gross Alpha Radioactivity	See Attached	pCi/L		EPA 900.0	01/30/23	EAIN	JGZ	N/A	N/A



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

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Additional accreditations by MD (261)



M.J. Reider Associates, Inc.

Notes and Definitions

EAIN Analysis subcontracted to: EMSL Analytical, Inc, Certification ID: 68-00367



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Additional accreditations by MD (261)



M.J. Reider Associates, Inc.



Subcontract Chain of Custody

SENDING LABORATORY

M.J. Reider Associates, Inc.
107 Angelica Street
Reading, PA 19611
Phone: 610-374-5129
Project Manager: Christina M Kistler (ckistler@mjreider.com)

RECEIVING LABORATORY

EMSL Analytical, Inc
200 Route 130 North
Cinnaminson, NJ 08077
Phone: (800) 220-3675



MJR Sample ID: 2250207-01	Matrix: Drinking Water	Sampled: 01/24/2023 08:45
Sample Name: 100 Entry Point Well #1		Sampled by: Client
Sample Type: E-Entry Point	PWSID: 7220038	Location ID: 100

Analysis	Method	Expires
SUB Gross Alpha	Subcontract	07/23/2023 08:45
Analytes	Req Rpt Limit DEP MCL	
Gross Alpha Radioactivity		

Containers Supplied: A: PI Liter HNO3

MJR Sample ID: 2250207-03	Matrix: Drinking Water	Sampled: 01/24/2023 09:12
Sample Name: 105 Entry Point Well #5		Sampled by: Client
Sample Type: E-Entry Point	PWSID: 7220038	Location ID: 105

Analysis	Method	Expires
SUB Gross Alpha	Subcontract	07/23/2023 09:12
Analytes	Req Rpt Limit DEP MCL	
Gross Alpha Radioactivity		

Containers Supplied: A: PI Liter HNO3

MJR Sample ID: 2250207-04	Matrix: Drinking Water	Sampled: 01/24/2023 08:58
Sample Name: 106 Entry Point Well #6		Sampled by: Client
Sample Type: E-Entry Point	PWSID: 7220038	Location ID: 106

Analysis	Method	Expires
SUB Gross Alpha	Subcontract	07/23/2023 08:58
Analytes	Req Rpt Limit DEP MCL	
Gross Alpha Radioactivity		

Containers Supplied: A: PI Liter HNO3

PWS Contact Information
PWS Contact: Chris Hannan
PWS Phone: (717) 471-1406
PWS e-mail: james.hannan@veolia.com

PADEP Contact Information
County: Dauphin
Address: 909 Elmerton Avenue, Harrisburg, PA 17110-8200
Phone: 717-705-4708
Contacts: Chris Sanderson 717-705-4708 csanderson@pa.gov
David Linton 717-705-4708 dlinton@pa.gov
Ryan McGovern 717-705-4708 rymcgovern@pa.gov

Relinquished By: <i>Ben Nish</i>	Date/Time: 1-25-23 08:40	Received By: <i>[Signature]</i>	Date/Time: 1/25/23 09:00
----------------------------------	--------------------------	---------------------------------	--------------------------

Relinquished By:	Date/Time:	Received By:	Date/Time:
------------------	------------	--------------	------------

By accepting these samples for analysis, you are confirming your facility currently holds accreditation in Pennsylvania for the analysis of the listed parameters in the listed matrix. If you are not currently NELAP accredited for the listed parameter/matrix combination, please notify MJRA immediately at 610-374-5129.

**** In addition to the project manager listed above please e-mail all reports and EDD's to subcontract@mjreider.com ****



EMSL ANALYTICAL, INC.
200 Route 130 North
Cinnaminson, NJ 08077
Telephone: (800)220-3675 FAX: (856)786-0327
cinnaminsonradonlab@emsl.com | <http://www.EMSL.com>

EMSL ORDER ID: 782300522
EMSL CUSTOMER ID: MJRA50

Reported Date: 3/8/2023

Current Rev R0

Final Comment 0

Attention: Christina Kistler
M.J. Reider Associates
107 Angelica Street
Reading, PA 19611

Phone: 610-374-5129

Email: CKISTLER@MJREIDER.COM

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 01/25/2023 at 17:15. The results are tabulated on the attached data pages for the following client designated project:

2250207-01

The reference number for these samples is EMSL Order #782300522. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (800)220-3675.

Dominic Gehret, Radiochemistry Laboratory Manager

or other approved signatory

The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAC Certification #: **03036**

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.



EMSL ANALYTICAL, INC.
200 Route 130 North
Cinnaminson, NJ 08077
Telephone: (800)220-3675 FAX: (856)786-0327
cinnaminsonradonlab@emsl.com | <http://www.EMSL.com>

EMSL ORDER ID: 782300522
EMSL CUSTOMER ID: MJRA50

Attention: Christina Kistler
M.J. Reider Associates
107 Angelica Street
Reading, PA 19611

Customer PO:
EMSL Project ID:
Project Name: 2250207-01

Phone: 610-374-5129
Email: CKISTLER@MJREIDER.COM

Collected: 01/24/2023 08:45
Received: 01/25/2023 17:15
Analyzed: See Results
Reported: 3/8/2023

Laboratory Report- Sample Summary

EMSL Sample ID.	Client Sample ID.	Start Sampling Date	Start Sampling Time
782300522-0001	2250207-01	1/24/2023	8:45 AM

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

Report Date	Report Revision	Revision Comments
3/8/2023	R0	Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

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cinnaminsonradonlab@emsl.com | <http://www.EMSL.com>

EMSL ORDER ID: 782300522
EMSL CUSTOMER ID: MJRA50

Attention: Christina Kistler
M.J. Reider Associates
107 Angelica Street
Reading, PA 19611

Customer PO:
EMSL Project ID:
Project Name: 2250207-01

Phone: 610-374-5129
Email: CKISTLER@MJREIDER.COM

Collected: 01/24/2023 08:45
Received: 01/25/2023 17:15
Analyzed: See Results
Reported: 3/8/2023

Analytical Report

Sample Identification: 2250207-01 **Lab Sample #: 782300522-0001** **Date/Time Collected: 1/24/2023 08:45 AM**

Test Parameter	Units	Result	Uncertainty	SDWA DL	Start Count Date/ Time	End Count Date/ Time	Analyst	Status Count	Method	Comment
Gross Alpha (EPA 900.0)	pCi/L	6.17	3.18	2.97	01/30/2023 12:32	01/30/2023 14:02	JGZ	Not Applicable	EPA 900.0	

Sample Specific Comments

- (1)= Analyte was analyzed for, but not detected above the SDWA DL
(2)= Analyte was analyzed for, but not detected above the MDA

Additional Comments

- * The uncertainty reported is an expanded uncertainty of 1.96-sigma.
- * For NJ Rapid Gross Alpha, the uncertainty reported is an expanded uncertainty of 1.65-sigma.
- * The SDWA detection limit is defined in 40 CFR 141.25(c) as equal to the analyte concentration which can be counted with a precision of plus or minus 100% at the 95% confidence level (1.96σ where σ is the standard deviation of the net counting rate of the sample).
- * For drinking water, the regulatory limit for gross alpha is 15 pCi/L with an SDWA DL of 3 pCi/L.
- * For drinking water, the regulatory limit for combined radium-226 and radium-228 is 5 pCi/L with each having an SDWA DL of 1 pCi/L.
- * If gross alpha result from the 36 – 48 hour count exceeds 5pCi/L, the plancheted sample is recounted between 20 – 28 hours after the midpoint of the initial count.

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

Report Date
3/8/2023

Report Revision
R0

Revision Comments
Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory



M.J. Reider Associates, Inc.

Subcontract Chain of Custody

SENDING LABORATORY

M.J. Reider Associates, Inc.

107 Angelica Street

Reading, PA 19611

Phone: 610-374-5129

Project Manager: Christina M Kistler (ckistler@mjureider.com)

RECEIVING LABORATORY

EMSL Analytical, Inc.

200 Route 130 North

Cinnaminson, NJ 08077

Phone: (800) 220-3675

RECEIVED
EMSL
CINNAMINSON, N.J.
2023 JAN 25 PM 5:39



MJR Sample ID: 2250207-01

Sample Name: 100 Entry Point Well #1

Sample Type: E-Entry Point

Matrix: Drinking Water

PWSID: 7220038

Sampled: 01/24/2023 08:45

Sampled by: Client

Location ID: 100

Analysis**Method****Expires**

SUB Gross Alpha

Subcontract

07/23/2023 08:45

Analytes

Req Rpt Limit DEP MCL

Gross Alpha Radioactivity

Containers Supplied: A: Pl Liter HNO3

MJR Sample ID: 2250207-03

Sample Name: 105 Entry Point Well #5

Sample Type: E-Entry Point

Matrix: Drinking Water

PWSID: 7220038

Sampled: 01/24/2023 09:12

Sampled by: Client

Location ID: 105

Analysis**Method****Expires**

SUB Gross Alpha

Subcontract

07/23/2023 09:12

Analytes

Req Rpt Limit DEP MCL

Gross Alpha Radioactivity

Containers Supplied: A: Pl Liter HNO3

MJR Sample ID: 2250207-04

Sample Name: 106 Entry Point Well #6

Sample Type: E-Entry Point

Matrix: Drinking Water

PWSID: 7220038

Sampled: 01/24/2023 08:58

Sampled by: Client

Location ID: 106

Analysis**Method****Expires**

SUB Gross Alpha

Subcontract

07/23/2023 08:58

Analytes

Req Rpt Limit DEP MCL

Gross Alpha Radioactivity

Containers Supplied: A: Pl Liter HNO3

PWS Contact Information

PWS Contact: Chris Hannan

PWS Phone: (717) 471-1406

PWS e-mail: james.hannan@veolia.com

PADEP Contact Information

County: Dauphin

Address: 909 Elmerton Avenue, Harrisburg, PA 17110-8200

Phone: 717-705-4708

Contacts: Chris Sanderson

717-705-4708

csanderson@pa.gov

David Linton

717-705-4708

dlinton@pa.gov

Ryan McGovern

717-705-4708

rymcgovern@pa.gov

Relinquished By

Date/Time

Received By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

By accepting these samples for analysis, you are confirming your facility currently holds accreditation in Pennsylvania for the analysis of the listed parameters in the listed matrix. If you are not currently NELAP accredited for the listed parameter/matrix combination, please notify MJRA immediately at 610-374-5129.

**** In addition to the project manager listed above please e-mail all reports and EDD's to subcontract@mjureider.com ****

1-25-23
David Stepp EMSL Courier 5:15pm



EMSL ANALYTICAL, INC.
200 Route 130 North
Cinnaminson, NJ 08077
Telephone: (800)220-3675 FAX: (856)786-0327
cinnaminsonradonlab@emsl.com | <http://www.EMSL.com>

EMSL ORDER ID: 782300523
EMSL CUSTOMER ID: MJRA50

Reported Date: 3/8/2023

Current Rev R0

Final Comment 0

Attention: Christina Kistler
M.J. Reider Associates
107 Angelica Street
Reading, PA 19611

Phone: 610-374-5129

Email: CKISTLER@MJREIDER.COM

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 01/25/2023 at 17:15. The results are tabulated on the attached data pages for the following client designated project:

2250207-03

The reference number for these samples is EMSL Order #782300523. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (800)220-3675.

Dominic Gehret, Radiochemistry Laboratory Manager

or other approved signatory

The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAC Certification #: **03036**

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EMSL ANALYTICAL, INC.
200 Route 130 North
Cinnaminson, NJ 08077
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cinnaminsonradonlab@emsl.com | <http://www.EMSL.com>

EMSL ORDER ID: 782300523
EMSL CUSTOMER ID: MJRA50

Attention: Christina Kistler
M.J. Reider Associates
107 Angelica Street
Reading, PA 19611

Customer PO:
EMSL Project ID:
Project Name: 2250207-03

Phone: 610-374-5129
Email: CKISTLER@MJREIDER.COM

Collected: 01/24/2023 09:12
Received: 01/25/2023 17:15
Analyzed: See Results
Reported: 3/8/2023

Laboratory Report- Sample Summary

EMSL Sample ID.	Client Sample ID.	Start Sampling Date	Start Sampling Time
782300523-0001	2250207-03	1/24/2023	9:12 AM

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

<u>Report Date</u>	<u>Report Revision</u>	<u>Revision Comments</u>
3/8/2023	R0	Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

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Cinnaminson, NJ 08077
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cinnaminsonradonlab@emsl.com | <http://www.EMSL.com>

EMSL ORDER ID: 782300523
EMSL CUSTOMER ID: MJRA50

Attention: Christina Kistler
M.J. Reider Associates
107 Angelica Street
Reading, PA 19611

Customer PO:
EMSL Project ID:
Project Name: 2250207-03

Phone: 610-374-5129
Email: CKISTLER@MJREIDER.COM

Collected: 01/24/2023 09:12
Received: 01/25/2023 17:15
Analyzed: See Results
Reported: 3/8/2023

Analytical Report

Sample Identification: 2250207-03

Lab Sample #: 782300523-0001

Date/Time Collected: 1/24/2023 09:12 AM

Test Parameter	Units	Result	Uncertainty	SDWA DL	Start Count Date/ Time	End Count Date/ Time	Analyst	Status Count	Method	Comment
Gross Alpha (EPA 900.0)	pCi/L	4.65	2.73	2.78	01/30/2023 14:07	01/30/2023 15:57	JGZ	Not Applicable	EPA 900.0	

Sample Specific Comments

- (1)= Analyte was analyzed for, but not detected above the SDWA DL
(2)= Analyte was analyzed for, but not detected above the MDA

Additional Comments

- * The uncertainty reported is an expanded uncertainty of 1.96-sigma.
- * For NJ Rapid Gross Alpha, the uncertainty reported is an expanded uncertainty of 1.65-sigma.
- * The SDWA detection limit is defined in 40 CFR 141.25(c) as equal to the analyte concentration which can be counted with a precision of plus or minus 100% at the 95% confidence level (1.96σ where σ is the standard deviation of the net counting rate of the sample).
- * For drinking water, the regulatory limit for gross alpha is 15 pCi/L with an SDWA DL of 3 pCi/L.
- * For drinking water, the regulatory limit for combined radium-226 and radium-228 is 5 pCi/L with each having an SDWA DL of 1 pCi/L.
- * If gross alpha result from the 36 – 48 hour count exceeds 5pCi/L, the plancheted sample is recounted between 20 – 28 hours after the midpoint of the initial count.

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

Report Date
3/8/2023

Report Revision
R0

Revision Comments
Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory



M.J. Reider Associates, Inc.

Subcontract Chain of Custody

SENDING LABORATORY

M.J. Reider Associates, Inc.

107 Angelica Street

Reading, PA 19611

Phone: 610-374-5129

Project Manager: Christina M Kistler (ckistler@mjureider.com)

RECEIVING LABORATORY

EMSL Analytical, Inc.

200 Route 130 North

Cinnaminson, NJ 08077

Phone: (800) 220-3675

RECEIVED
EMSL
CINNAMINSON, N.J.
2023 JAN 25 PM 5:39



MJR Sample ID: 2250207-01

Sample Name: 100 Entry Point Well #1

Sample Type: E-Entry Point

Matrix: Drinking Water

PWSID: 7220038

Sampled: 01/24/2023 08:45

Sampled by: Client

Location ID: 100

Analysis**Method****Expires**

SUB Gross Alpha

Subcontract

07/23/2023 08:45

Analytes

Req Rpt Limit DEP MCL

Gross Alpha Radioactivity

Containers Supplied: A: PI Liter HNO3

MJR Sample ID: 2250207-03

Sample Name: 105 Entry Point Well #5

Sample Type: E-Entry Point

Matrix: Drinking Water

PWSID: 7220038

Sampled: 01/24/2023 09:12

Sampled by: Client

Location ID: 105

Analysis**Method****Expires**

SUB Gross Alpha

Subcontract

07/23/2023 09:12

Analytes

Req Rpt Limit DEP MCL

Gross Alpha Radioactivity

Containers Supplied: A: PI Liter HNO3

MJR Sample ID: 2250207-04

Sample Name: 106 Entry Point Well #6

Sample Type: E-Entry Point

Matrix: Drinking Water

PWSID: 7220038

Sampled: 01/24/2023 08:58

Sampled by: Client

Location ID: 106

Analysis**Method****Expires**

SUB Gross Alpha

Subcontract

07/23/2023 08:58

Analytes

Req Rpt Limit DEP MCL

Gross Alpha Radioactivity

Containers Supplied: A: PI Liter HNO3

PWS Contact Information

PWS Contact: Chris Hannan

PWS Phone: (717) 471-1406

PWS e-mail: james.hannan@veolia.com

PADEP Contact Information

County: Dauphin

Address: 909 Elmerton Avenue, Harrisburg, PA 17110-8200

Phone: 717-705-4708

Contacts: Chris Sanderson

717-705-4708

csanderson@pagov

David Linton

717-705-4708

dlinton@pagov

Ryan McGovern

717-705-4708

rymcgovern@pagov

Relinquished By

Date/Time

Received By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

By accepting these samples for analysis, you are confirming your facility currently holds accreditation in Pennsylvania for the analysis of the listed parameters in the listed matrix. If you are not currently NELAP accredited for the listed parameter/matrix combination, please notify MJRA immediately at 610-374-5129.

** In addition to the project manager listed above please e-mail all reports and EDD's to subcontract@mjureider.com **

David Stepp EMSL Courier 5:15pm 1-25-23



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Cinnaminson, NJ 08077
Telephone: (800)220-3675 FAX: (856)786-0327
cinnaminsonradonlab@emsl.com | <http://www.EMSL.com>

EMSL ORDER ID: 782300524
EMSL CUSTOMER ID: MJRA50

Reported Date: 3/8/2023

Current Rev R0

Final Comment 0

Attention: Christina Kistler
M.J. Reider Associates
107 Angelica Street
Reading, PA 19611

Phone: 610-374-5129

Email: CKISTLER@MJREIDER.COM

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 01/25/2023 at 17:15. The results are tabulated on the attached data pages for the following client designated project:

2250207-04

The reference number for these samples is EMSL Order #782300524. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (800)220-3675.

Dominic Gehret, Radiochemistry Laboratory Manager

or other approved signatory

The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.

NELAC Certification #: **03036**

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cinnaminsonradonlab@emsl.com | <http://www.EMSL.com>

EMSL ORDER ID: 782300524
EMSL CUSTOMER ID: MJRA50

Attention: Christina Kistler
M.J. Reider Associates
107 Angelica Street
Reading, PA 19611

Customer PO:
EMSL Project ID:
Project Name: 2250207-04

Phone: 610-374-5129
Email: CKISTLER@MJREIDER.COM

Collected: 01/24/2023 08:58
Received: 01/25/2023 17:15
Analyzed: See Results
Reported: 3/8/2023

Laboratory Report- Sample Summary

EMSL Sample ID.	Client Sample ID.	Start Sampling Date	Start Sampling Time
782300524-0001	2250207-04	1/24/2023	8:58 AM

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Report Date	Report Revision	Revision Comments
3/8/2023	R0	Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. Interpretation and use of test results are the responsibility of the client. This report relates only to the samples reported above, and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. The report reflects the samples as received. Results are generated from the field sampling data (sampling volumes and areas, locations, etc.) provided by the client on the Chain of Custody. Samples are within quality control criteria and met method specifications unless otherwise noted.



EMSL ANALYTICAL, INC.
200 Route 130 North
Cinnaminson, NJ 08077
Telephone: (800)220-3675 FAX: (856)786-0327
cinnaminsonradonlab@emsl.com | <http://www.EMSL.com>

EMSL ORDER ID: 782300524
EMSL CUSTOMER ID: MJRA50

Attention: Christina Kistler
M.J. Reider Associates
107 Angelica Street
Reading, PA 19611

Customer PO:
EMSL Project ID:
Project Name: 2250207-04

Phone: 610-374-5129
Email: CKISTLER@MJREIDER.COM

Collected: 01/24/2023 08:58
Received: 01/25/2023 17:15
Analyzed: See Results
Reported: 3/8/2023

Analytical Report

Sample Identification: 2250207-04 **Lab Sample #: 782300524-0001** **Date/Time Collected: 1/24/2023 08:58 AM**

Test Parameter	Units	Result	Uncertainty	SDWA DL	Start Count Date/ Time	End Count Date/ Time	Analyst	Status Count	Method	Comment
Gross Alpha (EPA 900.0)	pCi/L	4.54	2.77	2.87	01/30/2023 14:07	01/30/2023 15:52	JGZ	Not Applicable	EPA 900.0	

Sample Specific Comments

- (1)= Analyte was analyzed for, but not detected above the SDWA DL
(2)= Analyte was analyzed for, but not detected above the MDA

Additional Comments

- * The uncertainty reported is an expanded uncertainty of 1.96-sigma.
- * For NJ Rapid Gross Alpha, the uncertainty reported is an expanded uncertainty of 1.65-sigma.
- * The SDWA detection limit is defined in 40 CFR 141.25(c) as equal to the analyte concentration which can be counted with a precision of plus or minus 100% at the 95% confidence level (1.96σ where σ is the standard deviation of the net counting rate of the sample).
- * For drinking water, the regulatory limit for gross alpha is 15 pCi/L with an SDWA DL of 3 pCi/L.
- * For drinking water, the regulatory limit for combined radium-226 and radium-228 is 5 pCi/L with each having an SDWA DL of 1 pCi/L.
- * If gross alpha result from the 36 – 48 hour count exceeds 5pCi/L, the plancheted sample is recounted between 20 – 28 hours after the midpoint of the initial count.

If "Preliminary Report" is displayed in the signature box; this indicates that there are samples that have not yet been analyzed, that are in a preliminary state, or that analysis is in progress but not completed at the time of report issue.

Report Date
3/8/2023

Report Revision
R0

Revision Comments
Initial Report

Dominic Gehret, Radiochemistry Laboratory Manager
or other approved signatory



M.J. Reider Associates, Inc.

Subcontract Chain of Custody

SENDING LABORATORY

M.J. Reider Associates, Inc.

107 Angelica Street

Reading, PA 19611

Phone: 610-374-5129

Project Manager: Christina M Kistler (ckistler@mjureider.com)

RECEIVING LABORATORY

EMSL Analytical, Inc.

200 Route 130 North

Cinnaminson, NJ 08077

Phone: (800) 220-3675

RECEIVED
EMSL
CINNAMINSON, N.J.
2023 JAN 25 PM 5:39



MJR Sample ID: 2250207-01

Sample Name: 100 Entry Point Well #1

Sample Type: E-Entry Point

Matrix: Drinking Water

PWSID: 7220038

Sampled: 01/24/2023 08:45

Sampled by: Client

Location ID: 100

Analysis**Method****Expires**

SUB Gross Alpha

Subcontract

07/23/2023 08:45

Analytes

Req Rpt Limit DEP MCL

Gross Alpha Radioactivity

Containers Supplied: A: PI Liter HNO3

MJR Sample ID: 2250207-03

Sample Name: 105 Entry Point Well #5

Sample Type: E-Entry Point

Matrix: Drinking Water

PWSID: 7220038

Sampled: 01/24/2023 09:12

Sampled by: Client

Location ID: 105

Analysis**Method****Expires**

SUB Gross Alpha

Subcontract

07/23/2023 09:12

Analytes

Req Rpt Limit DEP MCL

Gross Alpha Radioactivity

Containers Supplied: A: PI Liter HNO3

MJR Sample ID: 2250207-04

Sample Name: 106 Entry Point Well #6

Sample Type: E-Entry Point

Matrix: Drinking Water

PWSID: 7220038

Sampled: 01/24/2023 08:58

Sampled by: Client

Location ID: 106

Analysis**Method****Expires**

SUB Gross Alpha

Subcontract

07/23/2023 08:58

Analytes

Req Rpt Limit DEP MCL

Gross Alpha Radioactivity

Containers Supplied: A: PI Liter HNO3

PWS Contact Information

PWS Contact: Chris Hannan

PWS Phone: (717) 471-1406

PWS e-mail: james.hannan@veolia.com

PADEP Contact Information

County: Dauphin

Address: 909 Elmerton Avenue, Harrisburg, PA 17110-8200

Phone: 717-705-4708

Contacts: Chris Sanderson

717-705-4708

csanderson@pa.gov

David Linton

717-705-4708

dlinton@pa.gov

Ryan McGovern

717-705-4708

rymcgovern@pa.gov

Relinquished By

Date/Time

Received By

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

By accepting these samples for analysis, you are confirming your facility currently holds accreditation in Pennsylvania for the analysis of the listed parameters in the listed matrix. If you are not currently NELAP accredited for the listed parameter/matrix combination, please notify MJRA immediately at 610-374-5129.

** In addition to the project manager listed above please e-mail all reports and EDD's to subcontract@mjureider.com **

1-25-23 08:40
1-25-23 4:10 pm
1-25-23 09:00
1-25-23 5:15 pm



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	Analysi s Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	4002	GROSS ALPHA	401	6.17	2.97000	3.18	013023	100		012423	E	0845	68367	782300522- 0001	PAEF0521L 68367_53
7220038	4002	GROSS ALPHA	401	4.65	2.78000	2.73	013023	105		012423	E	0912	68367	782300523- 0001	PAEF0521L 68367_54
7220038	4002	GROSS ALPHA	401	4.54	2.87000	2.77	013023	106		012423	E	0858	68367	782300524- 0001	PAEF0521L 68367_55



Webb, Kodi <kodi.webb@veolia.com>

SRBC Monitoring Data Website - Reports Complete for Middletown, Borough of-Middletown Water System

1 message

compliance@srbc.net <compliance@srbc.net>

Wed, Apr 26, 2023 at 5:59 PM

To: James.Hannan@veolia.com, kodi.webb@veolia.com, michael.barger@veolia.com

Thank you for using the SRBC Monitoring Data Website.

Middletown Water System data has been received for the Reporting Period 01/01/2023 - 03/31/2023 for the following:

Source	Approval #
Well 5	19890701
Well 6	19970702
Well 2	20201207
Well 3	20201207
Well 4	20201207
Well 1	20201207
Passby Sources	
[PASSBYQUERY]	

If you have any questions regarding this email, please contact SRBC at 717-238-0423.

MIDDLETOWN MONTHLY REPORT

APPENDIX 3 CUSTOMER SERVICE

MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS

&

HOMESERVE REPORT

DATES: 3/01/2023 THRU 3/31/2023

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	2,730	183,121.62	823,873.75	1,006,995.37	NEW ACCOUNTS: 10
DISCONNECTED ACCTS:	9	397.94	532.97	930.91	DISCONNECT--NO TRF: 9
FINALED ACCOUNTS:	360	17,179.58		17,179.58	DISCONNECT--TRANSFER: 0
INACTIVE ACCOUNTS:	12,406	0.00		0.00	

GRAND TOTALS 15,505 200,699.14 824,406.72 1,025,105.86

CALCULATION SUMMARY TOTAL CHARGES: 824,406.72
 DEPOSIT RETURNS: 0.00
 TOTAL CURRENT: 824,406.72

===== SERVICE CATEGORY TOTALS =====

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
S SEWER	2657	468,710.60	0.00	0.00	0.00	15286,900.0000		15286,900.0000
SR SURCHARGE	2	0.00	0.00	0.00	0.00			
SR2 SURCHARGE 2	2706	97,360.78	0.00	0.00	0.00			
W WATER	5347	258,335.34	0.00	0.00	0.00	20129,700.0000		20129,700.0000
TOTALS		824,406.72	0.00	0.00	0.00			

===== REVENUE CODE TOTALS =====

R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
SERVICES:		
200-WTR MDT	687-145900	83,206.49
203-WTR MDT COMMERCIAL	687-145900	102,554.50
206-CUSTOMER CHARGE	687-145900	12,413.94
207-SERVICE CHG / METER	687-145900	48,857.05
210-WTR ROYAL	687-145900	11,246.50
220-WTR L SWT	687-145900	56.86
230-SURCHARGE WATER/SEWER	687-145900	0.00
231-SURCHARGE WATER/SEWER	687-145900	97,360.78
300-SWR MDT	687-145800	337,779.45
306-SW CUST CHARGE	687-145800	64,694.25
310-SWR ROYAL	687-145800	22,632.84
320-SWR L SWT	687-145800	43,604.06

R/C TOTALS 824,406.72

===== RATE TABLE TOTALS =====

CAT CODE	TBL DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
S 300	LST SEWER -LWR SW TWP	LST	1	43,604.06	0.00	0.00	0.00		
S 300	RB SEWER -ROYALTON	RB	1	22,632.84	0.00	0.00	0.00		
S 300	SW SEWER	SW	2655	402,473.70	0.00	0.00	0.00	15,286,900.0000	801

BOOK:

===== 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	2	0.00	0.00	0.00	0.00		
SR2	231	SR2	SURCHARGE WATER/SEWE	SR2	2706	97,360.78	0.00	0.00	0.00		
W	200	C10	COMM 1" MTR	C10	35	4,296.68	0.00	0.00	0.00	331,700.0000	
W	200	C15	COMM 1 1/2" MTR	C15	9	7,146.00	0.00	0.00	0.00	664,200.0000	
W	200	C20	COMM 2" MTR	C20	20	18,153.36	0.00	0.00	0.00	1,692,400.0000	
W	200	C30	COMM 3" MTR	C30	5	8,975.88	0.00	0.00	0.00	847,200.0000	
W	200	C40	COMM 4" MTR	C40	2	217.72	0.00	0.00	0.00	13,500.0000	
W	200	C58	COMM 5/8" MTR	C58	10	566.02	0.00	0.00	0.00	32,800.0000	
W	200	C60	COMM 6" MTR	C60	14	58,651.26	0.00	0.00	0.00	5,567,400.0000	
W	200	C75	COMM 3/4" MTR	C75	2	332.12	0.00	0.00	0.00	27,500.0000	
W	200	C80	COMM 8" MTR	C80	4	7,294.24	0.00	0.00	0.00	679,500.0000	
W	200	COM	COMPOUND WATER N/C	COM	14	0.00	0.00	0.00	0.00		
W	200	LS8	LOWER SWAT 8" MTR	LS8	1	56.86	0.00	0.00	0.00		
W	200	NCW	NO CHG	NCW	27	0.00	0.00	0.00	0.00	50,200.0000	
W	200	R10	RESID 1" MTR	R10	20	879.14	0.00	0.00	0.00	39,600.0000	
W	200	R58	RESID - 5/8" MTR	R58	2561	135,844.73	0.00	0.00	0.00	7,525,200.0000	
W	200	R60	RESID 6" MTR	R60	1	4,098.74	0.00	0.00	0.00	389,300.0000	
W	200	R75	RESID 3/4" MTR	R75	4	445.84	0.00	0.00	0.00	34,000.0000	
W	200	RB6	ROYALTON BOR 6" MTR	RB6	2	11,246.50	0.00	0.00	0.00	2,235,200.0000	
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	2614	0.00	0.00	0.00	0.00		
TOTALS						824,406.72	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	20,129,700.0000	0.000	20,129,700.0000	

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

CODE	DESCRIPTION	NUMBER	AMOUNT
DEPOSIT TOTALS		0	0.00

PERIOD: 3/01/2023 THRU 3/31/2023
ZONE: * - All Zones
REVENUE CODE: All
ADJUSTMENT CODES:

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

TYPE	DAY	COUNT	AMOUNT
ADJUSTMENT	01	6	235.21CR
	10	4	1,590.65CR
	15	3	69.45CR
	20	1	20.00
	22	1	4.44CR
	24	3	121.56CR
	27	2	50.00
	28	138	0.00
	29	3	2,950.38CR
	ADJUSTMENT TOTAL		4,901.69CR
BILL	01	2	11.22CR
	03	2	82.22CR
	06	1	18.17
	10	1	115.04
	13	1	87.55
	15	2	22.47CR
	16	1	52.98
	21	1	46.45
	22	1	194.09
	24	1	54.87
	27	1	52.06
	28	2,731	823,901.42
	BILL TOTAL		824,406.72
LATE CHARGE	28	423	6,381.45
LATE TOTAL			6,381.45
MEMO	20	13	0.00
	21	68	0.00
	22	7	0.00
MEMO TOTAL			0.00
PAYMENT	01	59	33,011.65CR
	02	56	11,503.57CR
	03	141	25,127.17CR
	06	325	71,222.47CR
	07	49	8,078.90CR
	08	131	23,328.02CR
	09	131	29,275.69CR
	10	113	38,121.09CR
	13	257	248,661.37CR
	14	91	19,230.90CR
	15	140	29,753.76CR

Difference - ndi total ±
\$ Billed - Other Revenue
\$1,479.76

PERIOD: 3/01/2023 THRU 3/31/2023

ZONE: * - All Zones

REVENUE CODE: All

ADJUSTMENT CODES:

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

TYPE	DAY	COUNT	AMOUNT
	16	80	15,080.28CR
	17	77	19,493.27CR
	20	137	58,026.42CR
	21	48	8,043.68CR
	22	27	6,207.00CR
	23	32	8,472.54CR
	24	63	11,781.70CR
	27	44	9,989.85CR
	28	19	5,440.83CR
	29	20	4,430.35CR
	30	19	3,885.39CR
	31	20	6,515.37CR
PAYMENT TOTAL			694,681.27CR
REFUND CHECK	27	1	300.00
REFUND TOTAL			300.00
DRAFT	15	370	62,957.39CR
	16	25	26,329.11CR
DRAFT TOTAL			89,286.50CR
REVERSE-PAY	20	2	582.53
REVERSE PAY TOTAL			582.53
GRAND TOTAL FOR PERIOD			42,801.24

Total Collected = \$783,967.77

***** REPORT TOTALS *****

--- REVENUE CODE TOTALS ---

REVENUE CODE:	--CURRENT--	+1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	--BALANCE--
081-NSF CK FEE	0.00	20.00	0.00	0.00	0.00	20.00
200-WTR MDT	80926.29	14594.41	6803.01	2648.72	4969.53	109941.96
203-WTR MDT COMMERCIAL	103893.84	7392.93	135.95	0.00	59.01	111521.73
206-CUSTOMER CHARGE	12146.90	2096.54	919.98	402.18	2407.01	17971.71
207-SERVICE CEG / METER	47670.31	8300.24	3557.66	1556.16	9353.02	70437.39
210-WTR ROYAL	11246.50	0.00	0.00	0.00	0.00	11246.50
220-WTR L SWT	56.86	0.00	0.00	0.00	0.00	56.86
230-SURCHARGE WATER/SEWER	16.28	16.96	16.95	14.97	1756.46	1821.62
231-SURCHARGE WATER/SEWER	93289.12	4645.87	1779.29	726.31	1889.11	102329.70
275-WTR PEN	183.91CR	1847.70	714.06	275.96	884.85	3538.66
300-SWR MDT	333854.13	48491.20	14454.12	5494.58	10467.97	412762.00
306-SW CUST CHARGE	63218.27	11330.16	4955.10	2210.95	26131.42	107845.90
310-SWR ROYAL	22632.84	0.00	0.00	0.00	0.00	22632.84
320-SWR L SWT	43604.06	0.00	0.00	0.00	0.00	43604.06
375-SWR PEN	256.11CR	3164.49	1192.66	450.33	2157.19	6708.56
996-UNAPPLIED	15078.01CR	0.00	0.00	0.00	0.00	15078.01CR
999-REFUND	1543.15CR	0.00	0.00	0.00	0.00	1543.15CR
TOTALS	795494.22	101900.50	34527.88	13780.16	60115.57	1005818.33

TOTAL REVENUE CODES: 1,005,818.33

TOTAL ACCOUNT BALANCE: 1,005,818.33

DIFFERENCE: 0.00

DATES: 3/01/2023 THRU 3/31/2023

TYPE: * - All

*** SERVICE CATEGORY TOTALS ***

SERV CATG	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL AMOUNT
S	2,658	15,286,900	15,286,900		\$	468,710.60
SR	2,656	0	0			
SR2	2,707	0	0		\$	97,360.78
W	5,349	20,129,700	20,129,700		\$	258,335.34

ACTION	----- ISSUED THIS PERIOD -----				----- PRIOR ORDERS -----			TOTAL	TOTAL
	ISSUED	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	OUTSTANDING
C CONNECT	0	0	0	0	169	4	0	169	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	36	35	1	0	3,470	87	0	3,505	0
M METER CHANGE	5	5	0	0	695	8	0	700	0
O OCC CHANGE	8	8	0	0	1,428	3	0	1,436	0
R REINSTATE	0	0	0	0	2	2	0	2	0
S SERV CHANGE	1	1	0	0	33	0	0	34	0
X MISC	1	1	0	0	806	23	0	807	0
** GRAND TOTALS **	51	50	1	0	6,652	134	0	6,702	0

ZONE: ALL ZONES

SERVICE: 200-WATER

**** REPORT TOTALS ****

Book	Services	Addresses
02 - BOOK 02	1	0
04 - BOOK 04	3	0
05 - BOOK 05	1	0
08 - BOOK 08	1	1
12 - BOOK 12	2	0
15 - BOOK 15	2	0
16 - BOOK 16	3	0
18 - BOOK 18	2	0
20 - BOOK 20	1	1
21 - BOOK 21	3	2
25 - BOOK 25	1	0
29 - BOOK 29	1	0
Grand Totals	21	4

ZONE: < All Zones >

GROUP: * - All Groups

SORT: ACCOUNT

METER NO#	ACCOUNT NO#	NAME	ADDRESS	MXU TYPE	MXU ID
W 36512901	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 10871871	INVENTORY				1568031178
W 10871883	INVENTORY				1563387082
W 10871886	INVENTORY				1563522708

*** TOTAL METERS IN SERVICE 2746

*** TOTAL METERS IN INVENTORY 743

2023 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	2/15/2023	2/21/2023	237	3/10/2023	53	NO SHUT OFF DUE TO WEATHER
February Bill Cycle	3/15/2023	3/21/2023	238	4/13/2023	55	6 SHUT OFFS (4 VACANT) 2 PROPERTIES TURNED BACK ON
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						

MARCH 2023 CUSTOMER SERVICE CALLS																							
VEOLIA MIDDLETOWN																							
Date	How Contact Was Received			Customer Service Inquiries															Field Service Requests				
	Call direct to Middletown CS	Customer Correspondence (Letters/Emails)	TOTALS	Calls for Other Ops	Calls from City / Other Org	AppleTree Hold Call	General Acct. Info	Copy Of Bill	Correct Bills	Bill Inquiry	Rates	Payment	Collection Letter	New Account	Finals	Meter Reading/Re-Reads	Service Complaints	C.S. Thank You	Sewer Back up or SSO	Water Leaks	Broke, Froze, Leaking Meter	No Water/Low Pressure	Water Quality
March 1st, 2023	35	1	36	2						5		23	3		2								
March 2nd, 2023	37	4	41	1						6		23	3			1				1			
March 3rd, 2023	58	2	60	2			1			6		46	3										
March 6th, 2023	55	6	61	1			2			7		42	2			1							
March 7th, 2023	26	1	27	3						3		17	3										
March 8th, 2023	11	1	12							2		9											
March 9th, 2023	32	1	33							4		25		1	1	1							
March 10th, 2023	42	1	43	1						3	1	37											
March 13th, 2023	48	8	56	2						3		38		2	3								
March 14th, 2023	47	0	47	1			1	2		5		38											
March 15th, 2023	77	1	78	2						6		64	5										
March 16th, 2023	43	5	48	2			1			3		34	3										
March 17th, 2023	53	0	53	1						4		38	7	1	2								
March 20th, 2023	38	5	43							5		32	1										
March 21st, 2023	32	1	33	1						2		23	3	2	1								
March 22nd, 2023	16	4	20				1	1		3		11											
March 23rd, 2023	14	0	14									14											
March 24th, 2023	30	4	34	1						3		22		1	3								
March 27th, 2023	24	2	26							3		16	2	2	1								
March 28th, 2023	19	0	19	2			1			4		11	1										
March 29th, 2023	13	0	13							3		9	1										
March 30th, 2023	10	0	10							3		7											
March 31st, 2023	20	1	21	2			1			4		11		2									
GRAND TOTALS	780	48	828	24	0	0	8	3	0	69	1	590	37	11	13	3	0	0	0	1	0	0	0

Partner Reporting Dashboard

[Back to Partner Select Page](#)

SUEZ (Middletown)

Date Start

2022-03-31

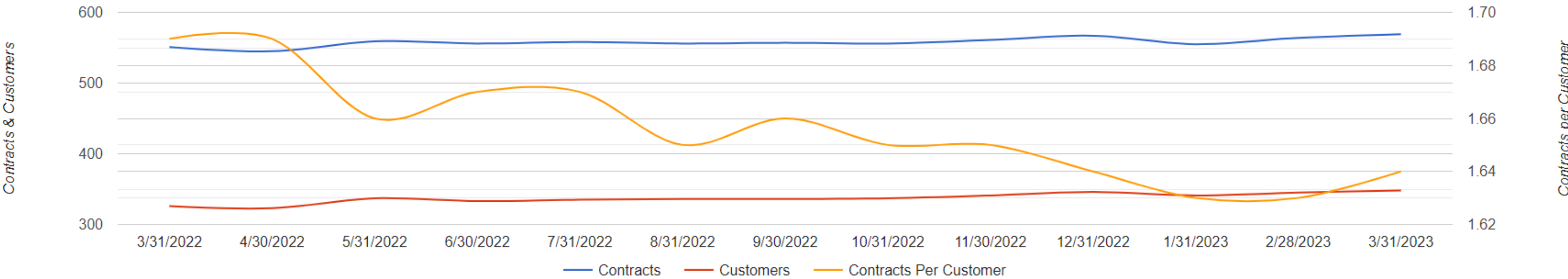
Date End

2023-03-31

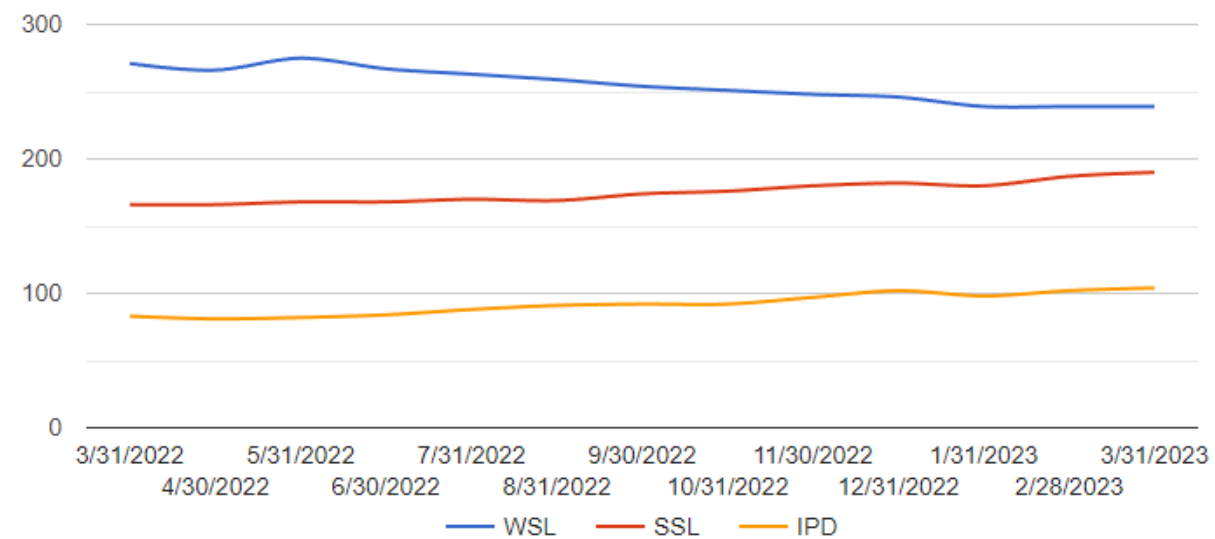
Filter



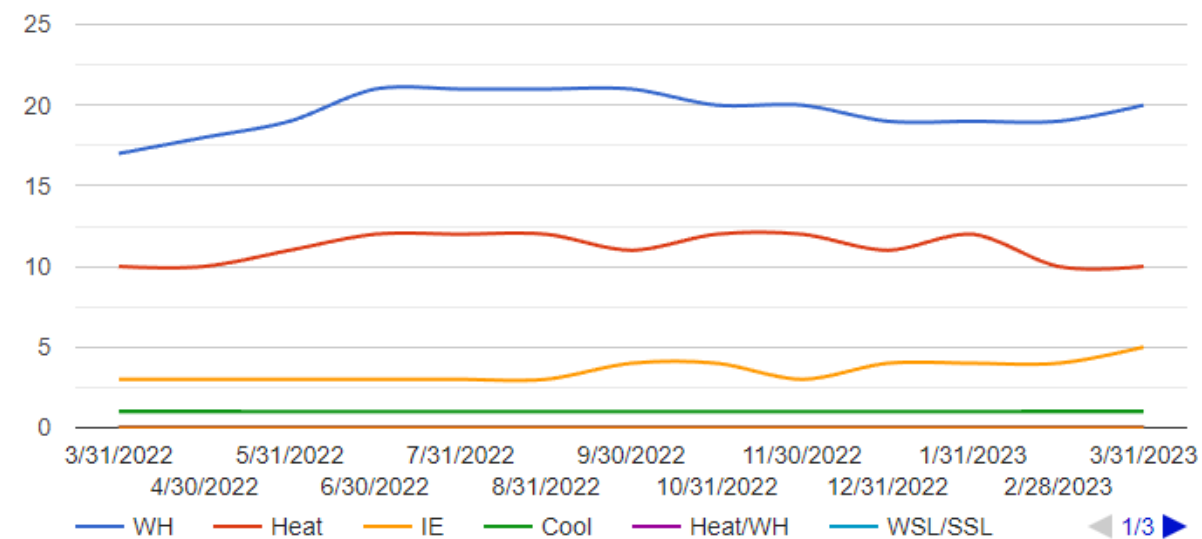
Contracts and Customers



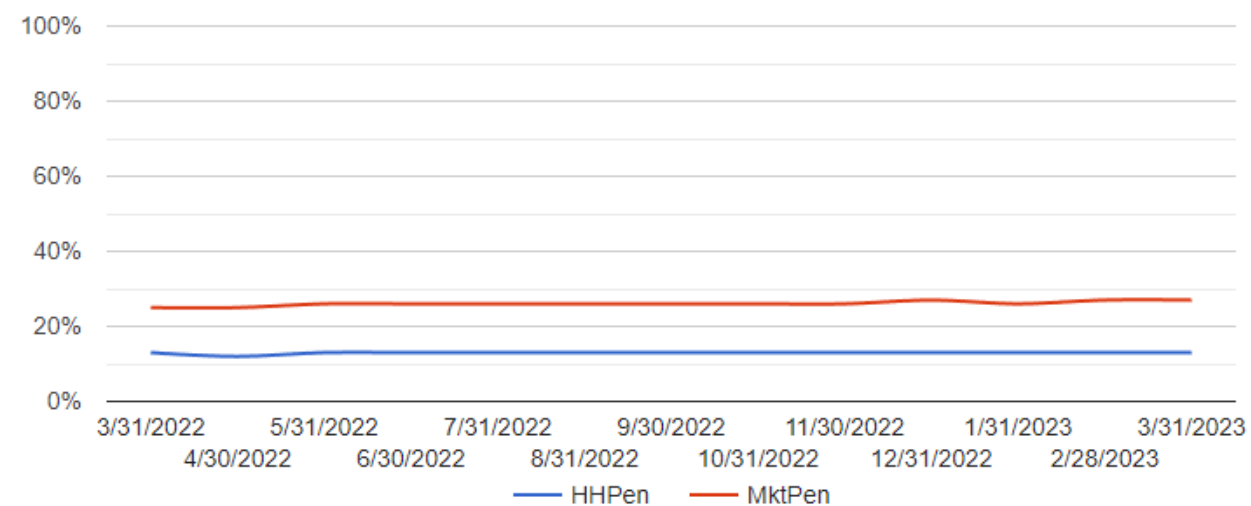
Leading Contracts by Type (Top 3)



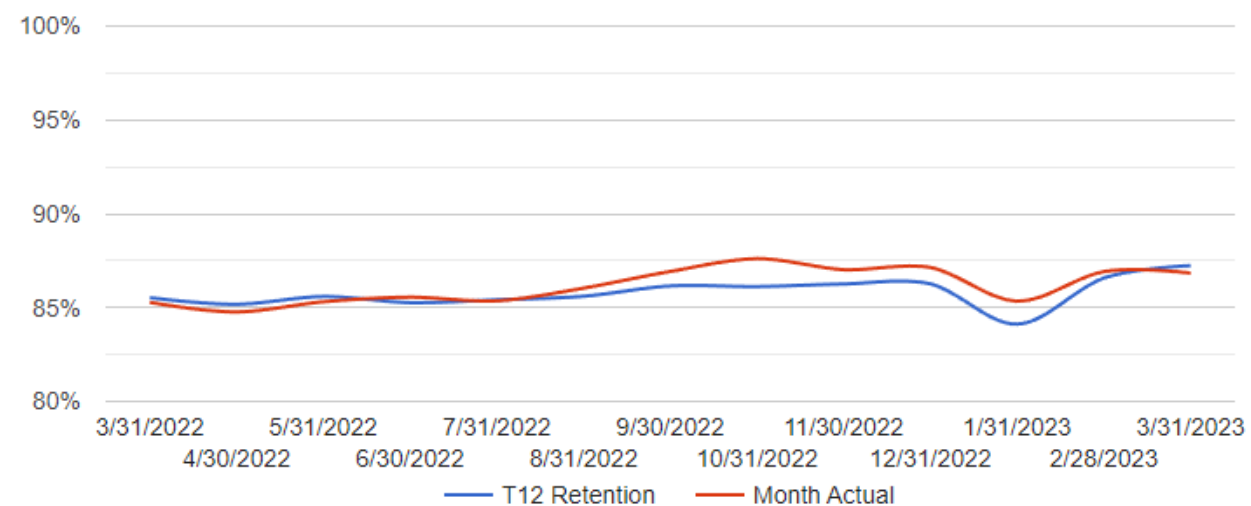
Leading Contracts by Type Other



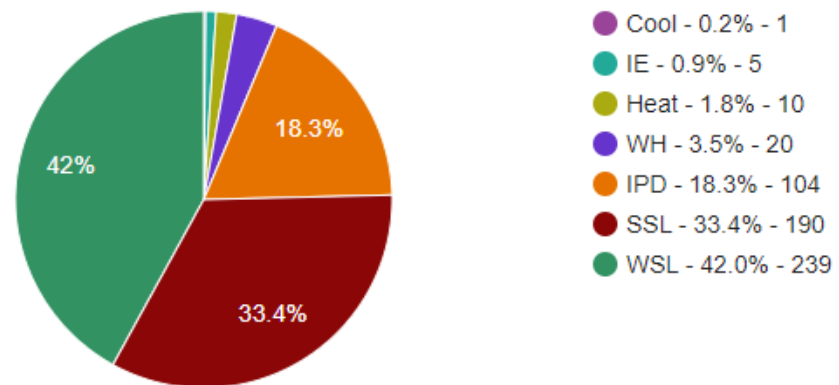
Household Penetration



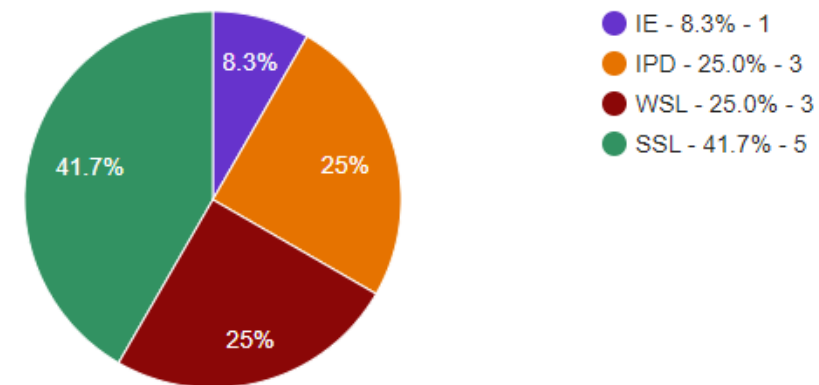
Retention



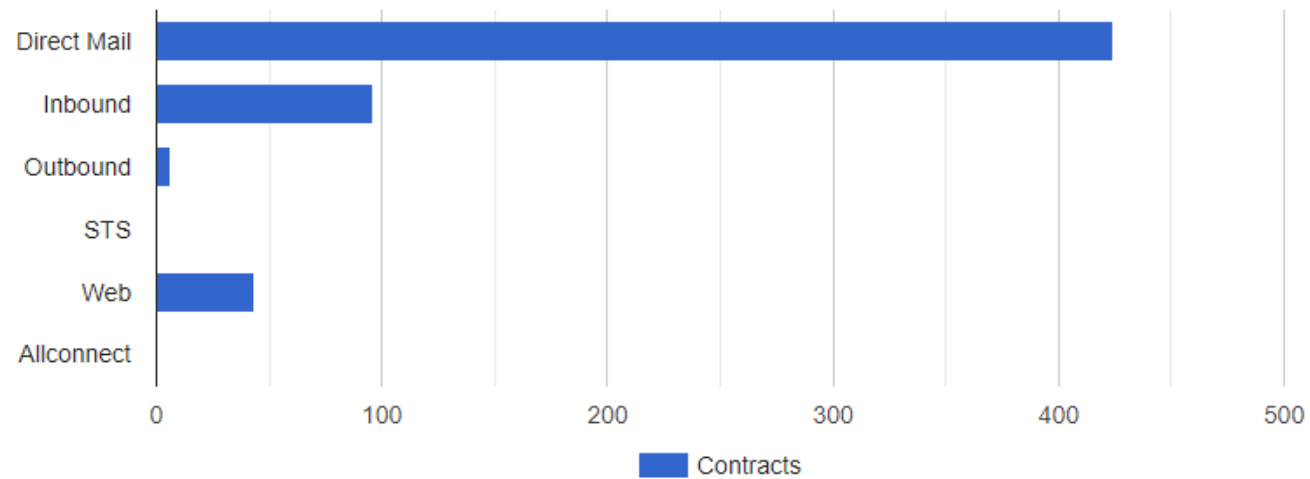
Contracts by Product Type



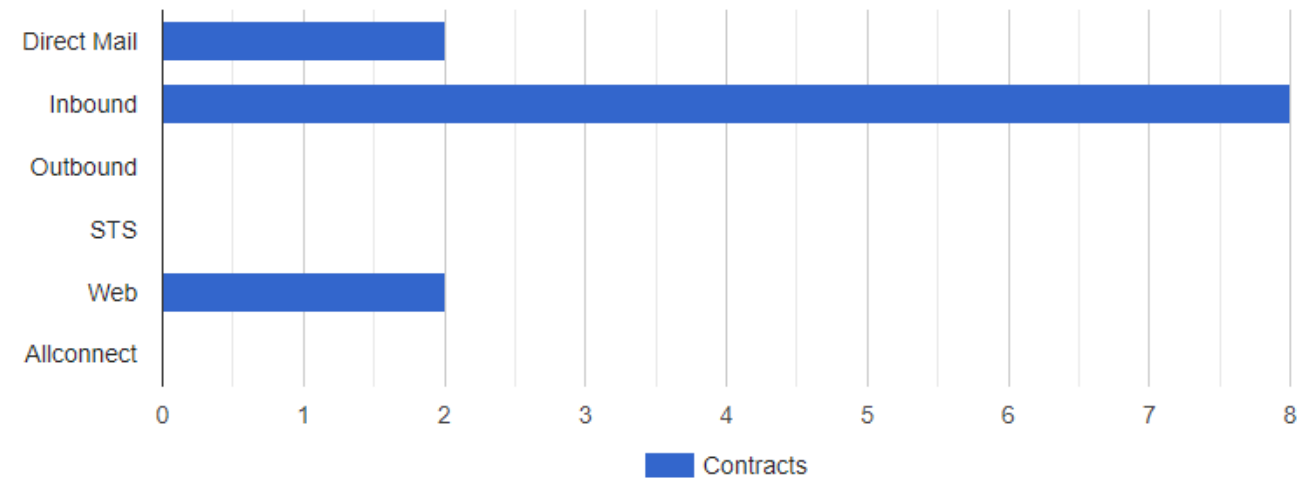
Contracts by Type - Last 30 Days



Contracts by Channel



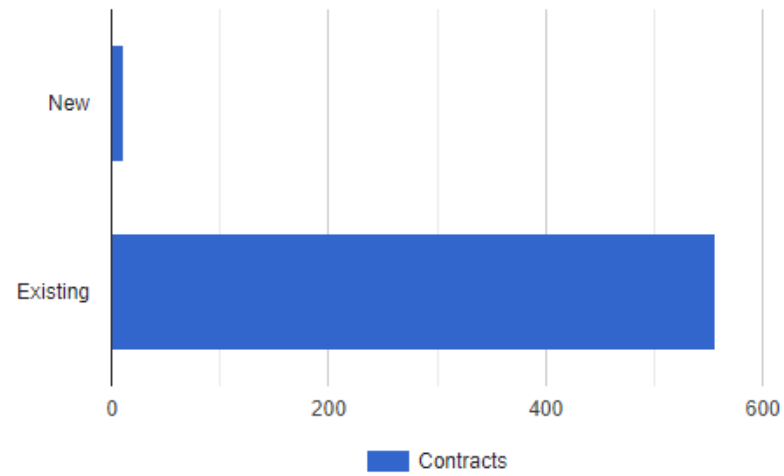
Contracts by Channel - Last 30 Days



Service Levels And Satisfaction



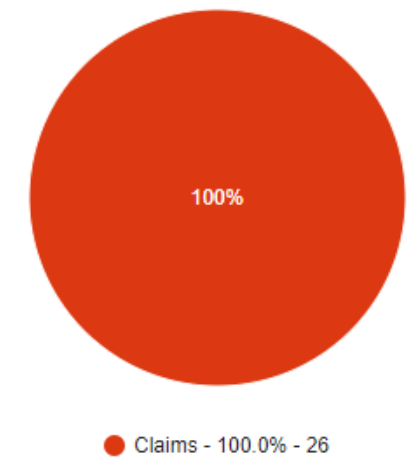
New v. Existing



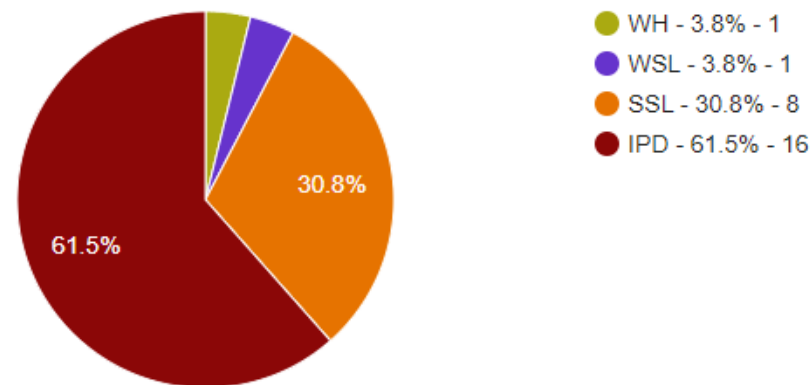
Rolling Complaints by Type



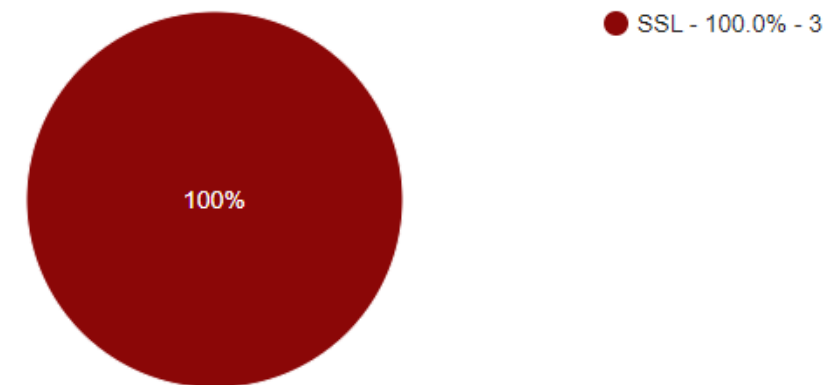
Complaints vs Claims



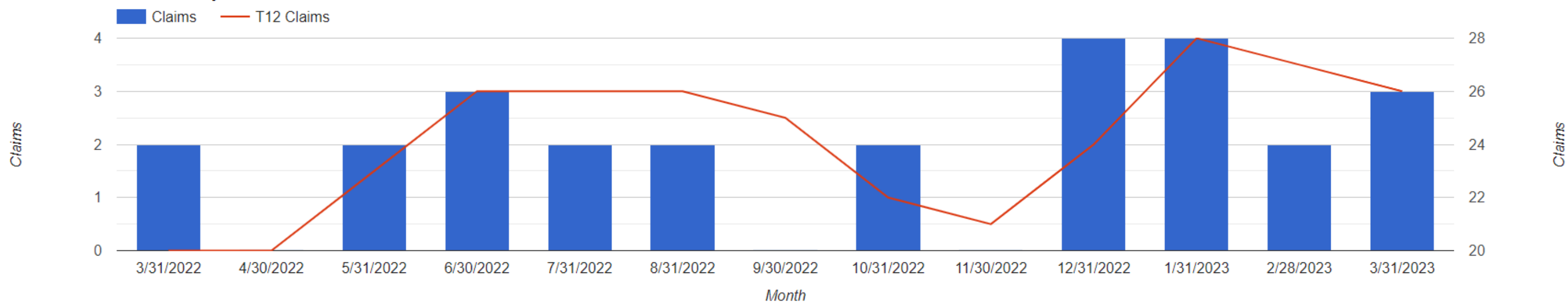
T12 Month Claims by Type



T1 Month Claims by Type



Claims History



MIDDLETOWN MONTHLY REPORT

APPENDIX 4

WATER MAIN LEAK LOGS

APPENDIX 5

**QUARTERLY METER TEST AND CALIBRATION
REPORTS**

MIDDLETOWN MONTHLY REPORT

APPENDIX 6