

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



June 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: Transmittal of Veolia Middletown Operations Report May 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

MAY 2023



EXECUTIVE SUMMARY

This report covers the monthly period of May 1, 2023 through May 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.
- Completed annual valve turning efforts.
- Began annual sewer jetting efforts.
- Began Well 4 chemical feed upgrade.

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

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 May was successfully completed on May 24th, 2023.
 - Sent 246, 10 day shut-off notices to accounts that were \$50 past due for the April 2023 billing period
 - Posted 69 properties with 3 day shut-off notices
 - 2 Occupied and 1 Vacant Property 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

MAY 2023



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.

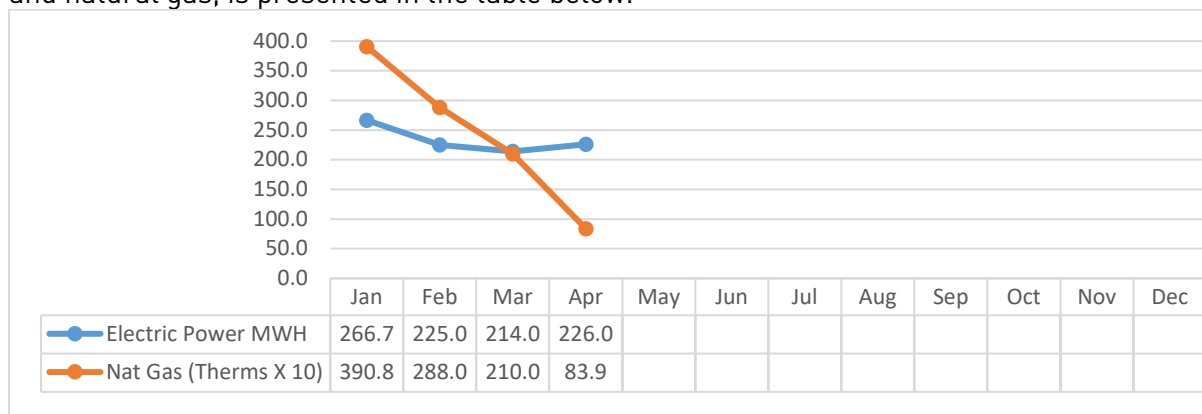
Quality Control Reporting

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. The 2022 GRESB Report data was compiled in April. 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	Influent Screen	Wet Well	1/13/23	Mechanical Failure	In Progress
WWTP	Raw Pump	Raw 3	5/1/23	Seal Failure	In Progress

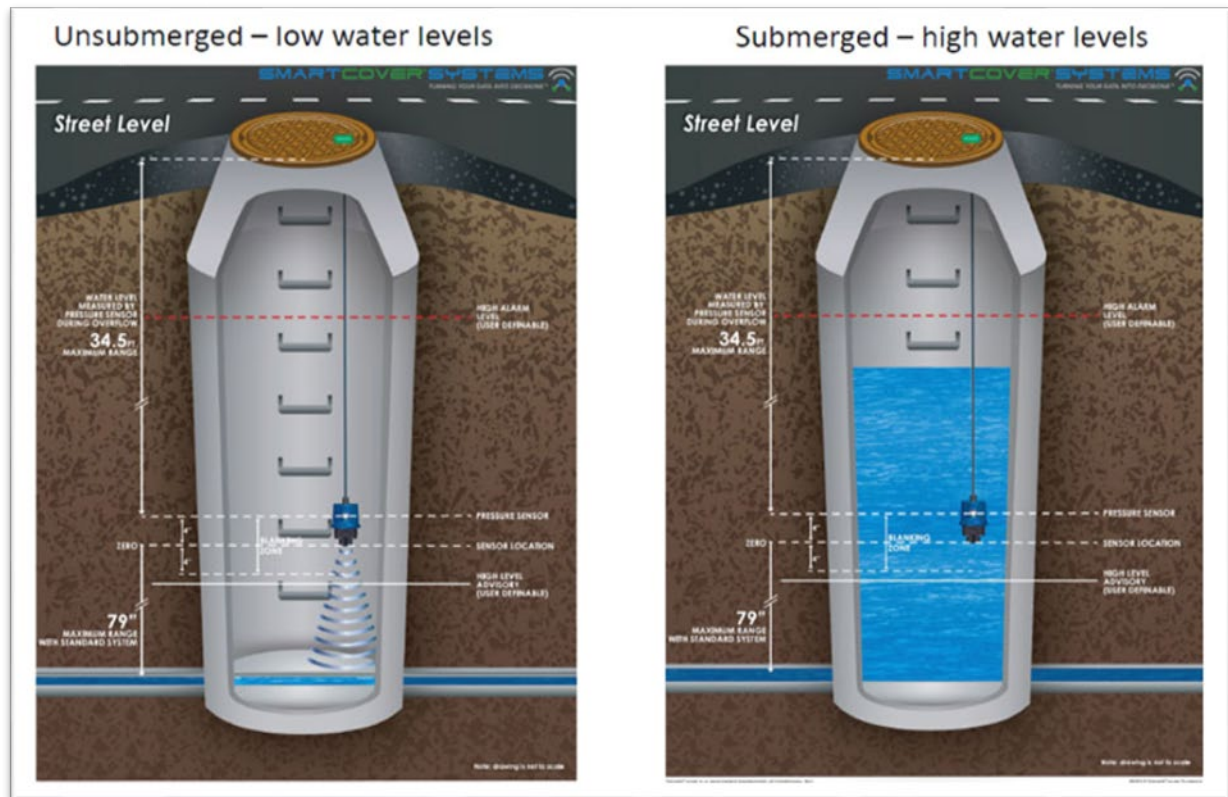
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Sanitary Sewer System

SmartCover® Sewer Monitoring System

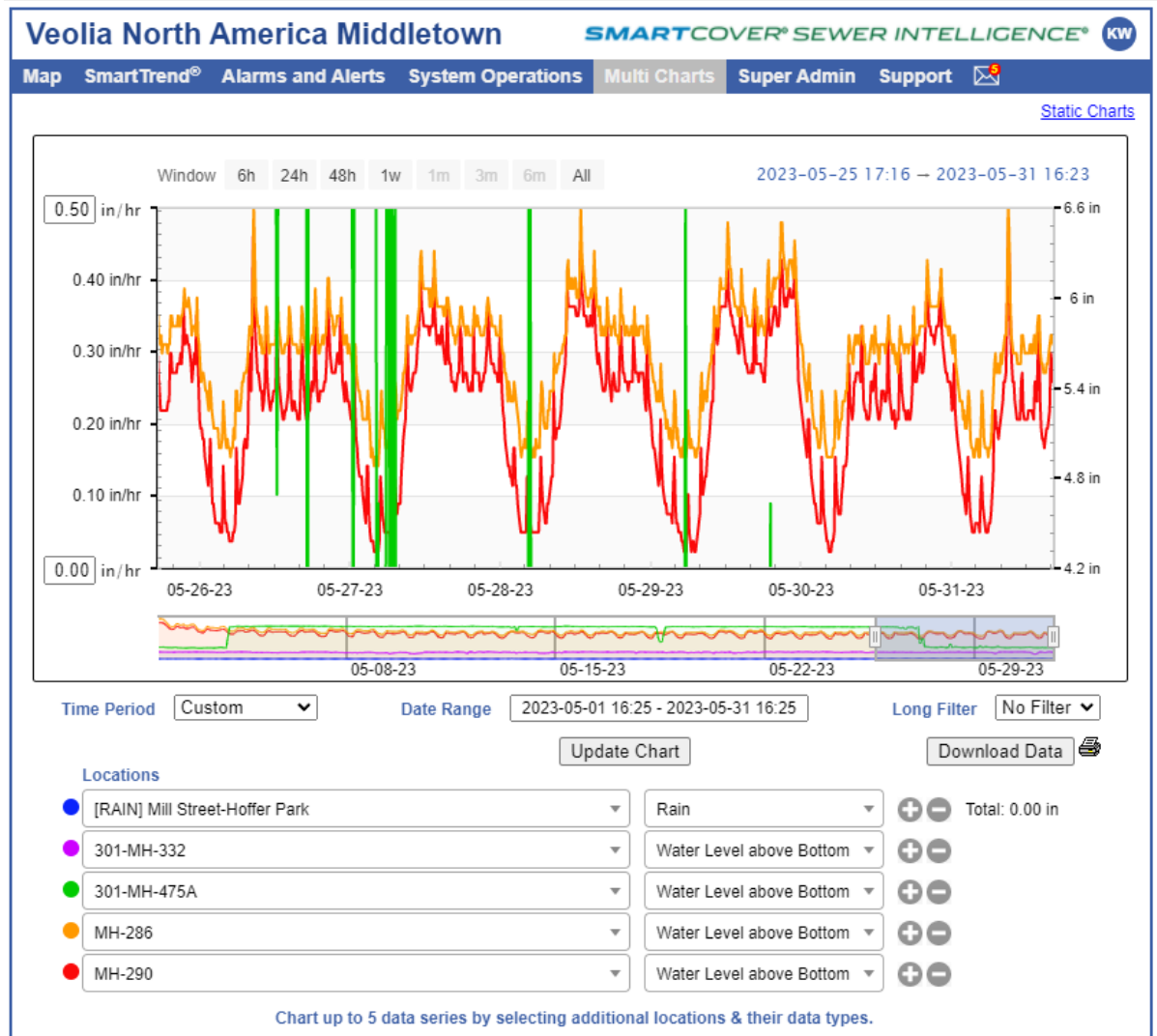


Ultrasonic level sensor (on the left) and pressure transducer (on the right). The covers use level sensing technology to analyze sewer elevations throughout the monitored area. This technology is used to monitor and reduce sanitary sewer overflows (SSO's) at problematic locations. The SmartCovers installed 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	24	2232	0
Current	0	80	0	0
YTD	0	4124	2232	0

On Target – Good Work	Caution	Significantly Behind Goal
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KPI Comments

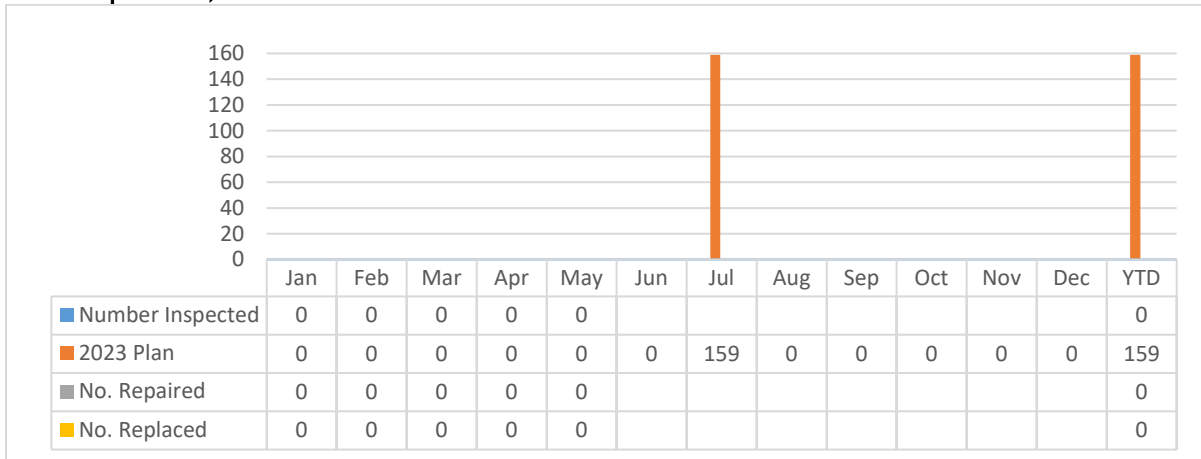
- **Water Loss:** Identifying and reducing the system water loss has been a key focus for Veolia. In an effort to identify and resolve the sources of water loss, continue to (1) verify the accuracy of the billing system reports, (2) verify the production meter accuracy at each well site based on review 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, which was postponed due to supply chain and vehicle equipment issues.

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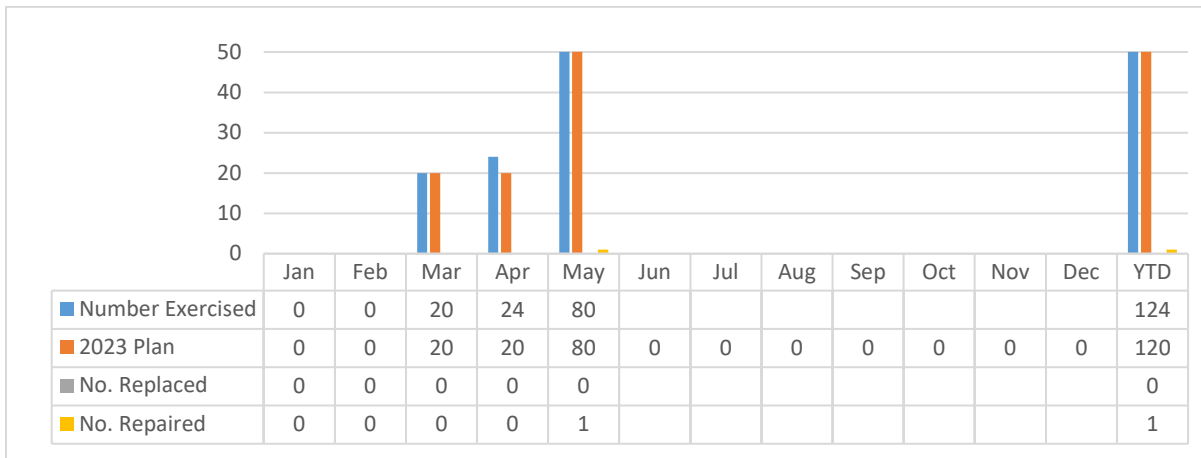
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Hydrants Inspected, Tested and Flushed



Water Main Valves Exercised

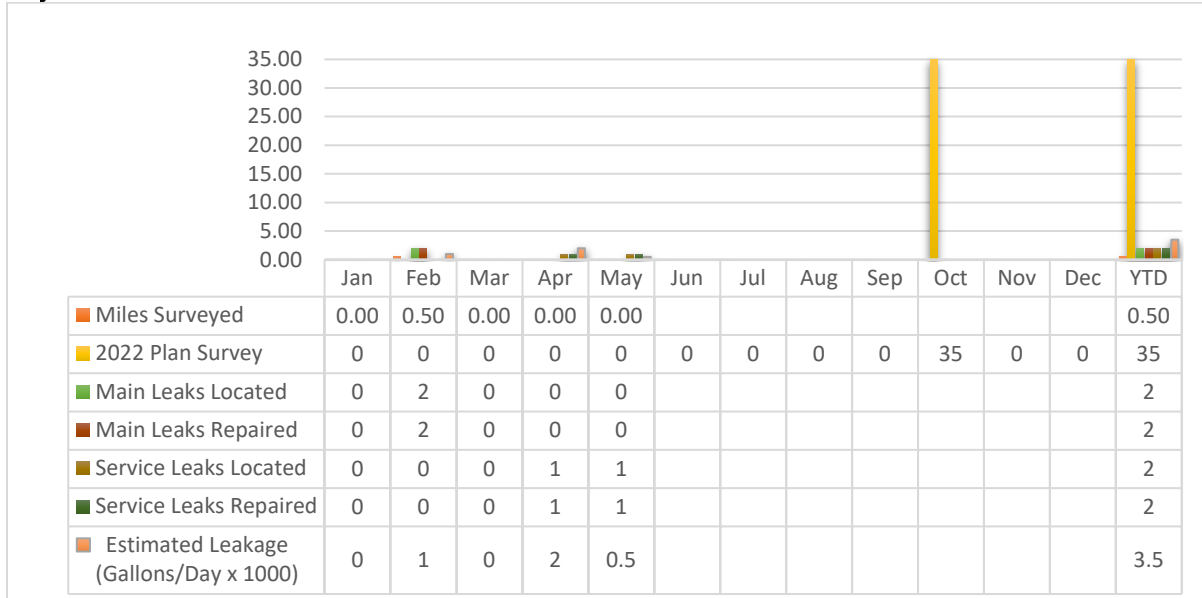


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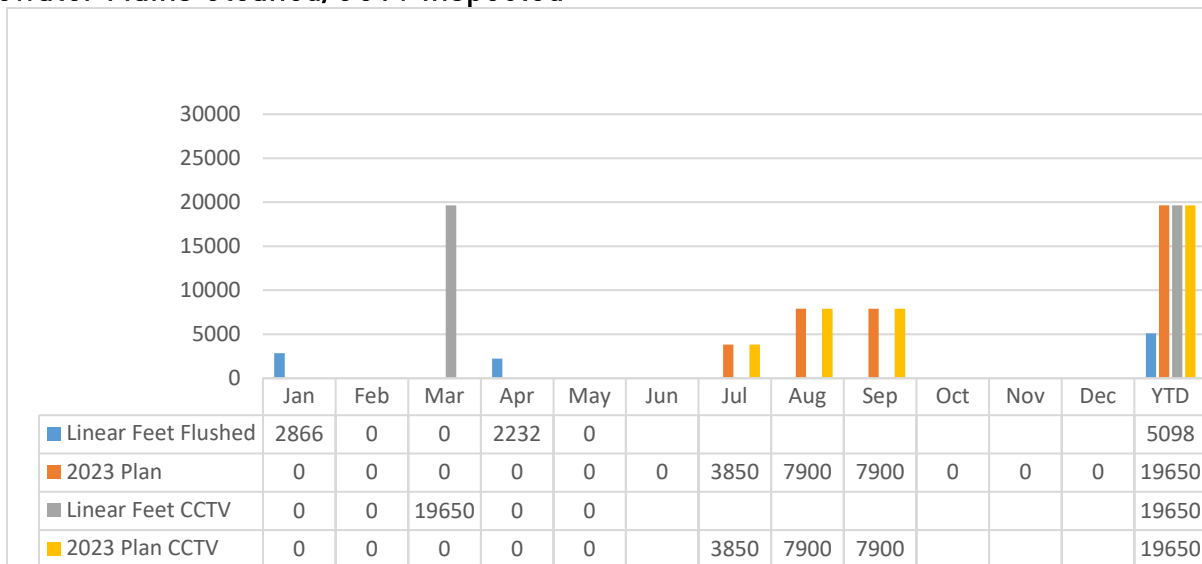
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Water System Leak Detection



Wastewater Mains Cleaned/CCTV Inspected

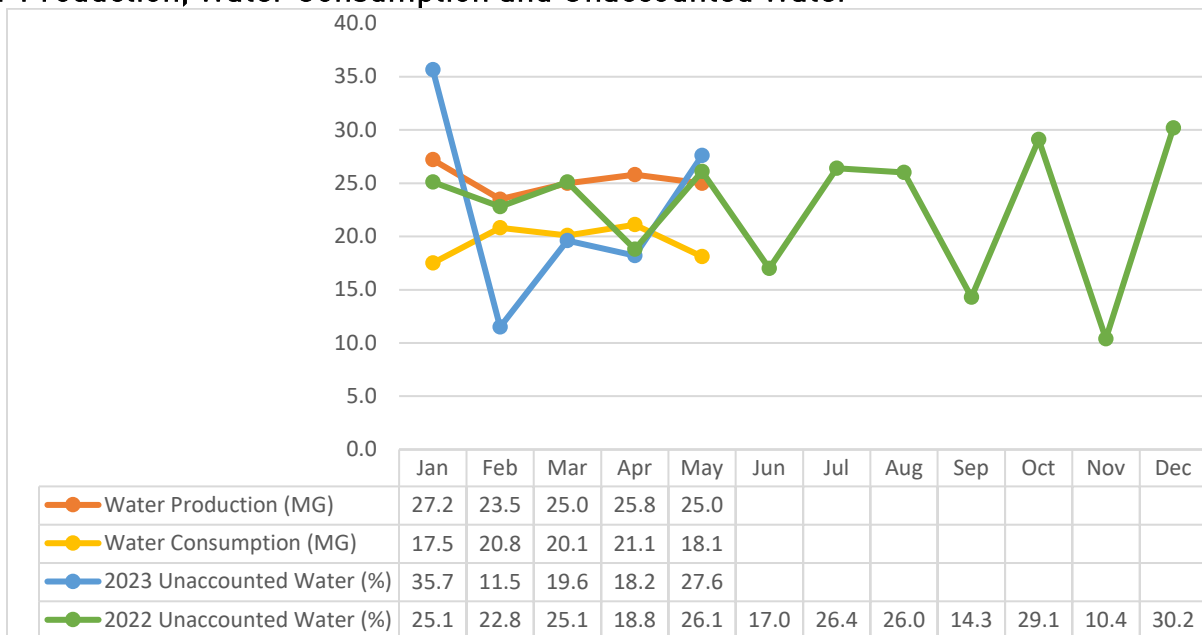


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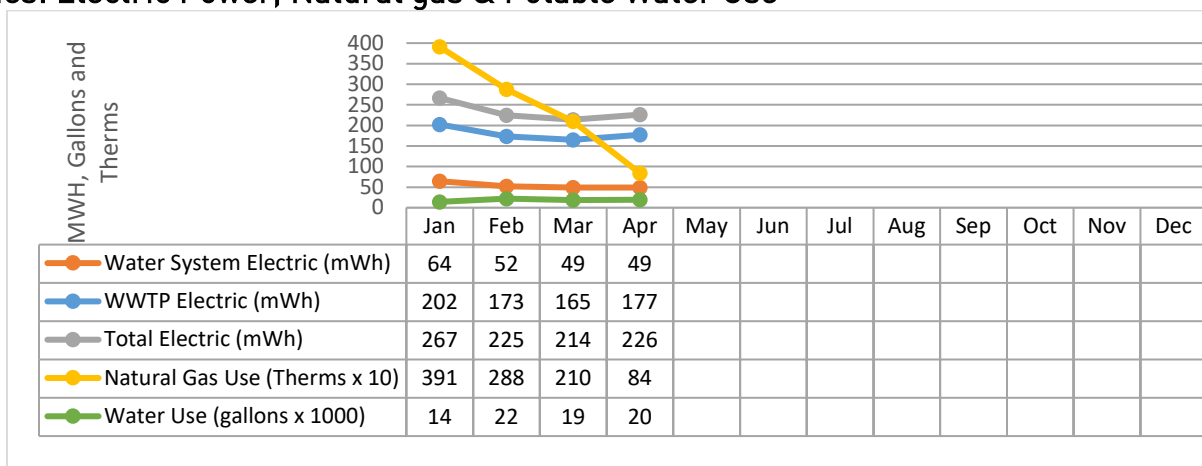
Water Production, Water Consumption and Unaccounted Water



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 (after completion of Capital Upgrade) in January likely contributed to the higher than average unaccounted for water percentage.

Utilities: Electric Power, Natural gas & Potable Water Use



MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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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	243	231								
Hydroflurosilic Acid	lbs	305	265	282	292	282								
Alum	gal	35	37	69	43	50								
Thickening Polymer	gal	55	64	45	48	54								
Dewatering Polymer	gal	129	160	88	103	118								
Chlorine (WWTP)	lbs	404	329	462	390	444								
Lime	lbs	5628	2743	1666	1647	1702								

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 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								1	1	0	0	2
Water Process	16	0	0	16	0								16	16	0	0	32
Interconnect/Large	0	0	0	2	0								0	2	0	0	2
Small Meter	0	0	0	0	0								0	0	0	0	0
TOTAL	17	0	0	19	0	0	0	0	0	0	0	0	17	19	0	0	36

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.
- Begin hydrant flushing to complete 2023 annual requirement.
- Continue well upgrades at Well 4.
- Drain and inspect oxidation ditch 1.

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 April with a total of 946 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 3 day with bills for services provided in May being mailed to customers on May 27th, 2023. The average gross monthly collection rate for May was 110.44% and 102.05% 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 May was 124. The number of field requests increased in May due to MIU replacements and zero consumption account verifications.

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 401 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	8	8								40	123	131
Bill Inquiry	99	57	89	94	127								466	1448	934
Finals	19	12	13	14	22								80	242	173
New Account	7	5	11	7	16								46	118	98
Meter Reading/Re-Reads	1	3	3	5	0								12	13	0
Payments	610	560	590	576	631								2967	6901	6127
Collection Letter	51	45	37	68	104								305	735	168
Rates	0	11	1	0	0								12	9	30
Complaints	0	0	0	0	0								0	0	1
Sewer	0	2	0	0	0								2	6	12
Leaks	3	2	1	3	2								11	15	11
No/Low Water Pressure	0	1	0	0	2								3	8	6
Copy Of Bill	3	4	3	3	4								17	101	2
Correct. Bills	0	0	0	0	0								0	0	0
Mtr Change Out	0	0	0	0	0								0	0	1
Customer Correspondance	61	29	48	56	57								251	763	922
Discolored/Water Quality	0	1	0	1	0								2	1	0
Calls Referred to SUEZ Hbg	33	17	24	23	30								127	414	439
Calls from City / Other Org	0	0	0	0	0								0	0	1
Compliments	0	0	0	0	0								0	1	18
2023 TOTALS	899	753	828	858	1003	0	0	0	0	0	0	0	4341		
2022 TOTALS	1005	920	966	915	972	955	902	905	818	933	814	794		10899	
2021 TOTALS	697	659	779	759	726	772	719	781	803	866	799	714			9074

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

MAY 2023



Dollars Billed - Water and Sewer (dollars X1000)

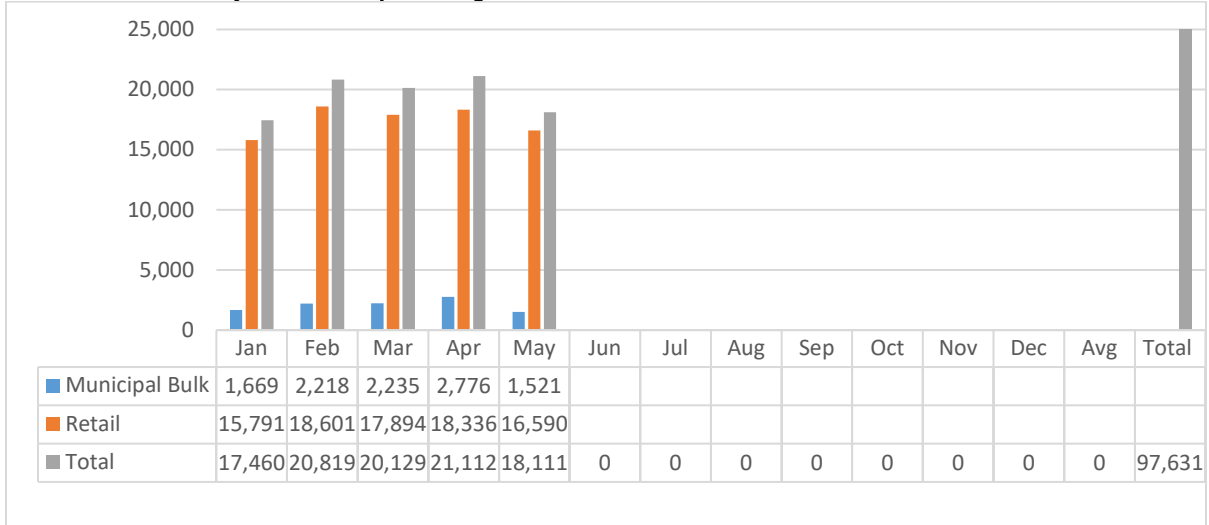


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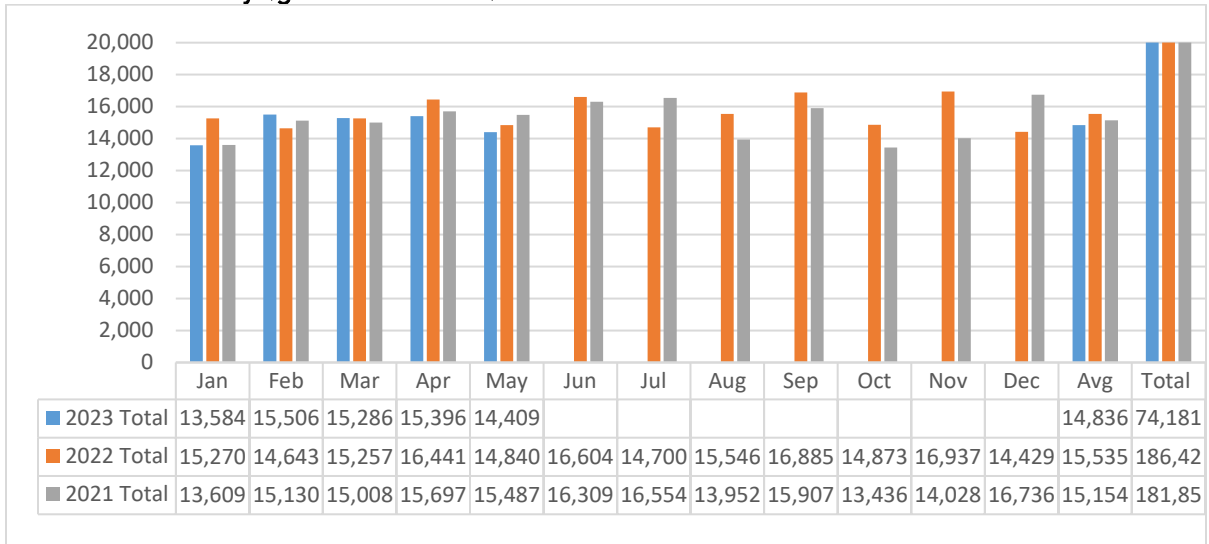
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Water Sales - Monthly Consumption (gallons X 1000)



Sewer Sales - Monthly (gallons X 1000)



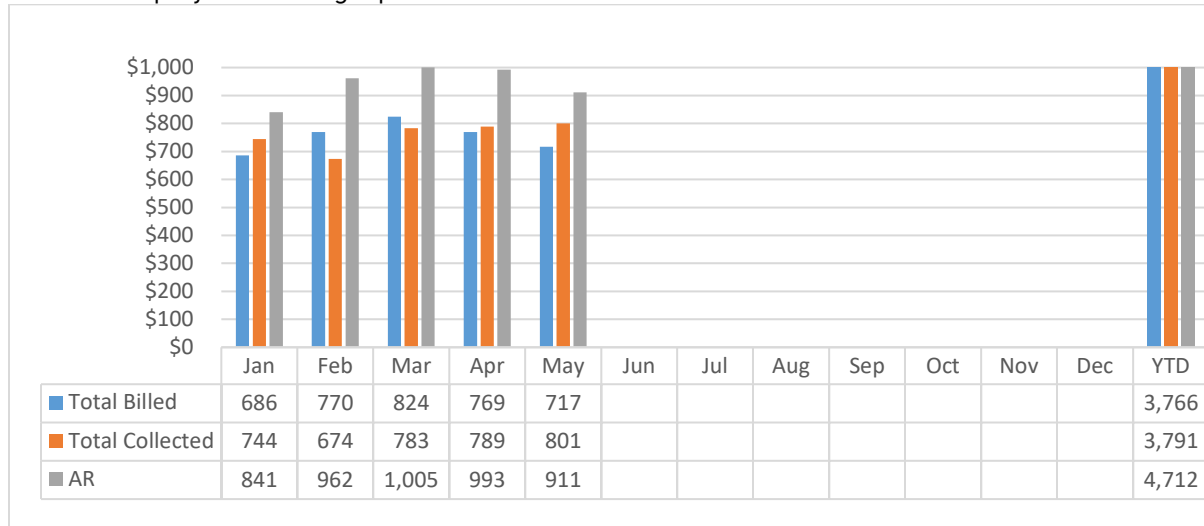
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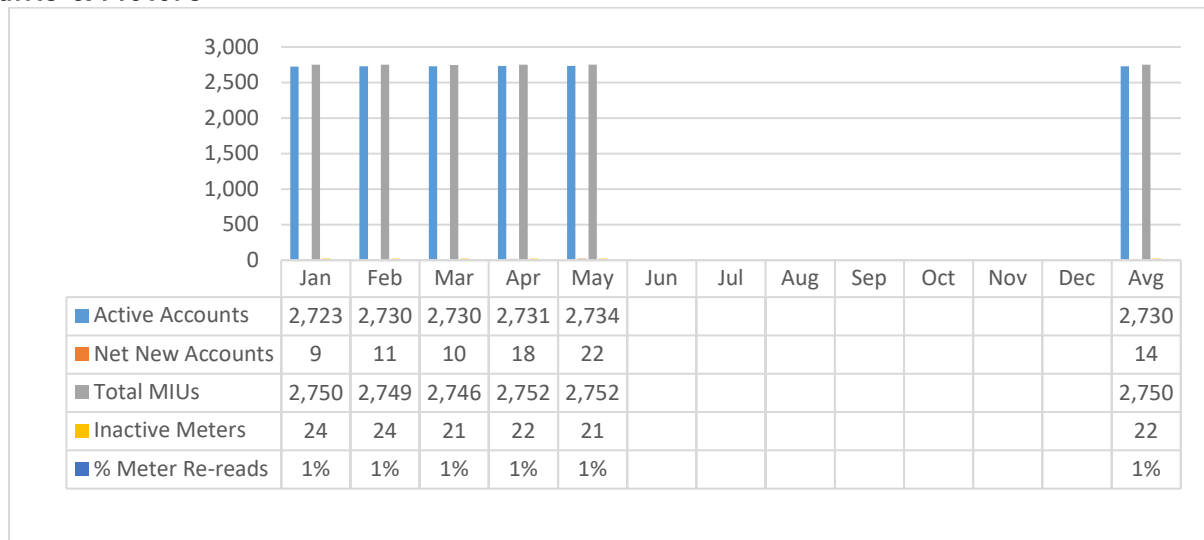


Collections (dollars X 1000)

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



Accounts & Meters

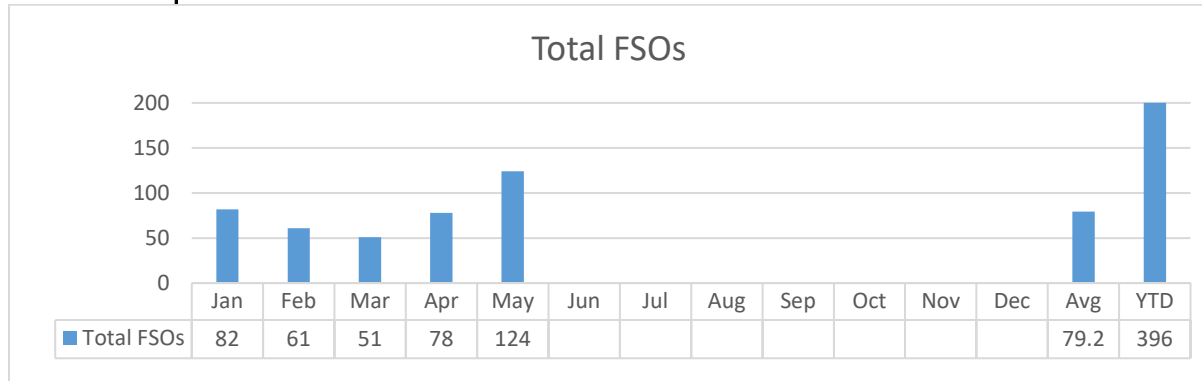


MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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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	0	0
Unplanned	0	0	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	0	0
Discolored	0	1	0	0	0								1	0	0	0	1
Boil Water Notices	0	0	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

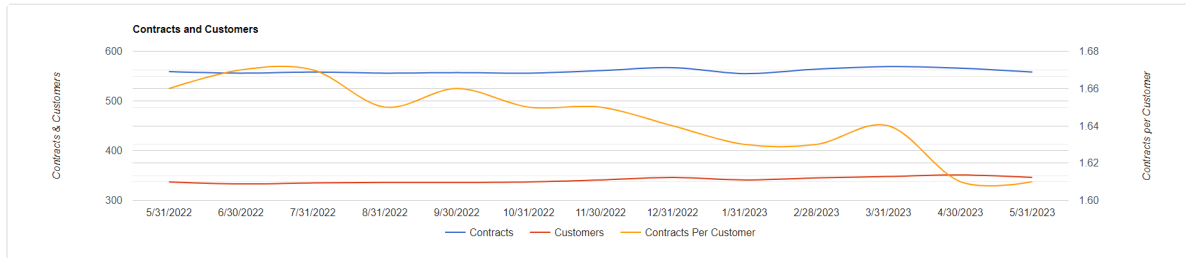
Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Back-up / Blockage	0	1	0	0	0								1	0	0	0	1
Odor	0	0	0	0	0								0	0	0	0	0
2023 TOTAL	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
2022 TOTAL	0	0	0	0	0	0	0	4	2	1	2	1	0	0	6	4	10

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.



MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

APRIL 2023



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	21,111,400	18,112,100								97,633,100	19,526,620
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	18,335,700	16,590,900								87,213,900	17,442,780
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	611,190	535,190								2,897,356	579,471
Avg retail water sales (gal)		522,030	628,220	567,894	616,230	555,356	615,878	576,508	543,092	644,438	540,847	605,698	580,971	5,628,018	581,676
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	2,775,700	1,521,200								10,419,200	2,083,840
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	92,523	49,071								346,753	69,351
Avg Bulk Customer sales (gal)		53,847	72,231	68,818	77,633	60,057	74,477	51,881	52,411	55,642	48,381	55,557	57,326	596,369	63,182
Contract Daily Bulk Water Sales Upper Limit (gal/day) = 62,970															
Bulk Sales Surplus (gal/day) = 212															
Sum of Actual Average daily volume of Metered water sales to Retail Water Customers over Test period + Bulk Sales Surplus (gal/day) = 581,889															
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 2023 and presented in the draft Five-Year Capex Plan to the Concessionaire and Borough. The projects are divided into Base CAPEX projects and Major CAPEX projects. Careful consideration is given when awarding projects to ensure that experienced and responsible contractors that meet the Responsible Contractor Policy are selected.

Proposed Base Capex Projects

Capital Projects from the Base CAPEX are listed below:

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

Major CAPEX Projects

Major CAPEX projects will be planned and completed pursuant to the requirements of the Concession Agreement, and the AAA arbitration decision received in 2020. Note that in conjunction with the general requirements set forth in the Operating Standards (i.e. Schedule 4 of the Concession Agreement), the Concessionaire may implement Major Capex to meet emergency, health, safety and water quality requirements at its discretion, and in accordance with Good Engineering and Construction Practices. These projects, which the Concessionaire continues to study in conjunction with VEOLIA, include, but are not limited to, Storage tank repairs and maintenance, Outfall rehabilitation, Headwork's evaluation, Railroad interceptor modifications and maintenance cleaning, replacement of raw pumps, new disinfection system for wastewater effluent and any Supply/Distribution system improvements.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

MAY 2023



the August 2021 Operating Committee meeting. The project design was completed in October 2021. The project was put out for bid and Wexcon was the apparent low bidder. Wexcon was awarded the project and HRG reviewed and approved the submittals. The project mobilized on January 26, 2023. Substantial completion is anticipated to occur in late 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

MAY 2023



Capital Improvement Plan

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT MAY 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	0								0
Concessionaire Notifications	0	0	0	0	0								0
Incident Email Notifications	0	0	0	0	0								0
Environmental Incidents –Hotline notifications	0	0	0	0	0								0
Environmental Incidents –Hotline notifications/chemical spills	0	0	0	0	0								0
Non-compliance – violations	0	0	0	0	0								0
Reporting non-compliance	0	0	0	0	0								0
Safety related incidents – OSHA lost time	0	0	0	0	0								0
Total days lost	0	0	0	0	0								0
Safety related incidents – Preventable	0	0	0	0	0								0
Safety related – Near Miss	0	0	0	0	0								0
Employee lost-time – not job-related – total as sick hours	34	77	4	17	48								180

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



June 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 – May 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



June 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- May 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 black ink that reads "Kodi Webb".

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. PA0020664

1 message

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

Tue, Jun 27, 2023 at 7:09 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: 05/01/2023-05/31/2023

Report Due Date: 06/28/2023

Submitted By: Kodi Webb

Submission Id: 400164

Submission Status: Received

Submission Type: Original

To view the details of this report, access the eDMR system through DEP's [GreenPort](#) and select the link for View/Revise Submitted.



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

NAME: MIDDLETOWN WATER JT VENTURE LLC

ADDRESS: 9W 57TH ST STE 4200, NEW YORK NY, 10019

FACILITY: MIDDLETOWN STP

LOCATION: 453 S LAWRENCE ST, MIDDLETOWN PA, 17057-1132

STAGE: Final Effluent

PA0020664

PERMIT NUMBER

001

OUTFALL NUMBER

Reporting Frequency: Monthly

DMR Effective From: 05/01/2023

DMR Effective To: 05/31/2023

Permit Expires: 02/28/2026

Permit Application Due: 09/01/2025

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	05	01	TO	2023	05	31

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	***	***	***	8.19	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	7.5	***	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	< 18	< 56	lbs/day	***	< 2.0	< 3.0	mg/L	2/week	24-Hr Composite
	Permit Requirement	550 Avg Mo	826 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		2/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 2.64	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	< .03	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .64	***	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	***	***	***	***	< 2.0	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	3.0	***	lbs/day	***	.31	***	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	1.055	2.314	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.3	.57	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 780.9	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 8.6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 207.8	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 573.1	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	84.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	< 3.0	8.0	No./100 ml	2/week	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 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	< 19	< 34	lbs/day	***	< 2.0	< 2.0	mg/L	2/week	24-Hr Composite
	Permit Requirement	459 Avg Mo	734 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		2/week	24-Hr Composite
Facility Sampling Point Comments										



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

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

PA0020664
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 05/01/2023
DMR Effective To: 05/31/2023
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	05	01	TO	2023	05	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	< 780.9	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	84.4	***	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: 05/01/2023
DMR Effective To: 05/31/2023
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	05	01	TO	2023	05	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	891	1352	lbs/day	***	100	***	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	886	1353	lbs/day	***	99	***	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
5-23 Influent Supplemental.xls	Influent and Process Control Form	2023-06-27T19:05:21-04:00	
5-23 Effluent Supplemental.xlsx	Daily Effluent Monitoring Form	2023-06-16T14:33:12-04:00	
2023 Annual_Chesapeake_Bay_Spreadsheet_v2.2 .xlsm	Annual Chesapeake Bay Spreadsheet	2023-06-16T14:34:54-04:00	
5-23 Biosolids.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-06-27T19:03:25-04:00	

PERMIT VIOLATIONS

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

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

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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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	06	27
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

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

Month: July Year: 2022
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	2.314	69.2	1,335	70.0	1,351	4,265.0		25,000.0		
2	1.750	59.1	863	34.0	496	3,157.0		11,048.0		
3	1.516					4,178.0		35,000.0		
4	1.345					3,699.0		21,000.0		
5	1.279					4,024.0		22,000.0		
6	1.145							20,000.0		
7	1.188							20,000.0		
8	1.157	43.7	422	116.0	1,119	3,948.0		24,000.0		
9	1.059	96.6	853	63.0	556	3,810.0		25,000.0		
10	1.052					3,935.0		24,000.0		
11	0.993					3,779.0		24,000.0		
12	1.006					3,953.0		27,000.0		
13	1.073							25,000.0		
14	0.991							25,000.0		
15	1.014	126.0	1,066	160.0	1,353	3,773.0		25,000.0		
16	0.921	176.0	1,352	174.0	1,337	3,874.0		26,000.0		
17	0.945					3,579.0		24,000.0		
18	0.937					3,572.0		24,000.0		
19	0.973					3,678.0		26,000.0		
20	0.926							24,000.0		
21	0.903							24,000.0		
22	0.908	123.0	931	70.0	530	3,625.0		35,000.0		
23	0.836	136.0	948	132.0	920	3,683.0		35,000.0		
24	0.832					3,752.0		36,000.0		
25	0.083					3,463.0		35,000.0		
26	0.883					3,646.0		36,000.0		
27	0.758							36,000.0		
28	0.764							36,000.0		
29	0.779	80.6	524	90.0	585			25,000.0		
30	0.869	85.5	620	84.0	609	3,520.0		28,000.0		
31	0.777					3,268.0		36,000.0		
Avg	1.031	100	891	99	886	3,736		27,066		
Max	2.314	176	1,352	174	1,353	4,265		36,000		

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: 6/27/2023

**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: 5 (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	pH		Dissolved Oxygen		TRC		NH3-N		CBOD5		Total Phosphorus		TSS		Fecal Coliform									
Stage			1	1		1		1		1		1		1		1		1									
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	CFU/100 ml	Q		Q		Q		Q	
1	Sun	4/30/23																									
	Mon	5/1/23	2.314		7.5		9.01		0.43		0.03	<	2.0		0.24		5.0										
	Tue	5/2/23	1.75		7.5		9.01		0.57		0.05	<	2.0		0.2	<	1.0	<	2.0								
	Wed	5/3/23	1.516		7.8		8.88		0.41									5.0									
	Thu	5/4/23	1.345		7.6		9.1		0.37																		
	Fri	5/5/23	1.279		7.6		9.07		0.24																		
	Sat	5/6/23	1.145		7.7		9.26		0.31																		
2	Sun	5/7/23	1.188		7.6		9.01		0.25																		
	Mon	5/8/23	1.157		7.6		8.79		0.19	<	0.02	<	2.0		0.13	<	1.0										
	Tue	5/9/23	1.059		7.6		8.56		0.33		0.02	<	2.0		0.14		1.0		3.0								
	Wed	5/10/23	1.052		7.5		8.88		0.38									<	2.0								
	Thu	5/11/23	0.993		7.6		8.71		0.38																		
	Fri	5/12/23	1.006		7.5		8.73		0.3																		
	Sat	5/13/23	1.073		7.6		8.6		0.37																		
3	Sun	5/14/23	0.991		7.7		8.61		0.36																		
	Mon	5/15/23	1.014		7.7		8.75		0.33	<	0.02	<	2.0		0.28		1.0										
	Tue	5/16/23	0.921		7.6		8.63		0.31		0.02	<	2.0		0.34		2.0		8.0								
	Wed	5/17/23	0.945		7.5		8.51		0.3									3.0									
	Thu	5/18/23	0.937		7.6		8.68		0.38																		
	Fri	5/19/23	0.973		7.5		8.76		0.28																		
	Sat	5/20/23	0.926		7.6		8.57		0.33																		
4	Sun	5/21/23	0.903		7.7		8.53		0.33																		
	Mon	5/22/23	0.908		7.6		8.5		0.31		0.02	<	2.0		0.43	<	1.0										
	Tue	5/23/23	0.836		7.6		8.63		0.26		0.05	<	2.0		0.5	<	1.0	<	2.0								
	Wed	5/24/23	0.832		7.6		8.46		0.37									<	2.0								
	Thu	5/25/23	0.826		7.6		8.56		0.35																		
	Fri	5/26/23	0.883		7.6		8.45		0.3																		
	Sat	5/27/23	0.758		7.7		8.55		0.24																		
5	Sun	5/28/23	0.764		7.7		8.4		0.33																		
	Mon	5/29/23	0.779		7.7		8.19		0.29	<	0.02	<	2.0		0.43	<	1.0										
	Tue	5/30/23	0.869		7.6		8.44		0.26		0.02	<	2.0		0.37	<	1.0	<	2.0								
	Wed	5/31/23	0.777		7.6		8.36		0.3									7.0									
	Thu	6/1/23																									
	Fri	6/2/23																									
	Sat	6/3/23																									
Statistics for DMR																											
Daily Minimum (Conc.):					7.5		8.19		0.19	<	0.02	<	2		0.13	<	1	<	2								
Daily Maximum (Conc.):					7.8		9.26		0.57		0.05	<	2		0.5		5		8								
Max Avg Weekly (Conc.):							9.06		0.4		0.04	<	2		0	<	3										
Avg Monthly (Conc.):							8.68		0.3	<	0.03	<	2		0.31	<	2										
Geometric Mean (Conc.):																		<	3								
Max Avg Weekly (Load):			1.558				117		5		0.7	<	34		4	<	56										
Avg Monthly (Load):			1.055				77		3	<	0.3	<	19		3	<	18										
Total Monthly (Load):			32.719				2383		92	<	9	<	600		84	<	563										
Daily Minimum (Load):			0.758				53		2	<	0.1	<	13		1	<	6										
Daily Maximum (Load):			2.314				174		8		0.7	<	39		5		96										

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Kodi Webb
Title: Project Manager

License No.: 23501
Date: 6/9/2023

Month: May 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	13.21			
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: **June 27, 2023**

Version 2.2, 10/15/2020

Compliance Year:	2023	Outfall:	001
NPDES Permit No.:	PA0020664		
This permit will expire on:	February 28, 2026		
TP Cap Load (lbs):	5,358		
TP Delivery Ratio:	0.503		

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
1/11/23	1.219										
1/12/23	1.366										
1/13/23	1.347										
1/14/23	1.309										
1/15/23	1.262										
1/16/23	1.228	0.15	1.5	< 0.03	< 0.3	0.8	8.2	< 6.2	< 63.5	< 7.00	< 71.7
1/17/23	1.255	0.1	1.0	< 0.02	< 0.2	0.6	6.3	< 5.6	< 58.6	< 6.20	< 64.9
1/18/23	1.153										
1/19/23	1.431										
1/20/23	1.266										
1/21/23	1.212										
1/22/23	1.453										
1/23/23	1.682	0.14	2.0	0.03	0.4	< 0.5	< 7.0	< 6.2	< 87.0	< 6.70	< 94.0
1/24/23	1.315	0.1	1.1	< 0.02	< 0.2	0.7	7.7	< 8.1	< 88.8	< 8.80	< 96.5
1/25/23	2.105										
1/26/23	1.960										
1/27/23	1.608										
1/28/23	1.404										
1/29/23	1.392										
1/30/23	1.313	1.31	14.3	0.52	5.7	1.7	18.6	10.5	115.0	12.20	133.6
1/31/23	1.237	0.28	2.9	0.38	3.9	1.35	13.9	8.71	89.9	10.06	103.8
2/1/23	1.253										
2/2/23	1.317										
2/3/23	1.126										
2/4/23	1.134										
2/5/23	1.157										
2/6/23	1.186	0.09	0.9	0.05	0.5	0.88	8.7	< 7.49	< 74.1	< 8.37	< 82.8
2/7/23	1.088	0.14	1.3	< 0.02	< 0.2	0.64	5.8	< 8.36	< 75.9	< 9.00	< 81.7
2/8/23	1.078										
2/9/23	1.110										
2/10/23	1.017										
2/11/23	1.048										
2/12/23	1.092										
2/13/23	1.124	0.16	1.5	0.03	0.3	1.1	10.3	< 7.3	< 68.4	< 8.40	< 78.7
2/14/23	0.986	0.1	0.8	0.05	0.4	1.2	9.9	< 7.79	< 64.1	< 8.99	< 73.9
2/15/23	0.952										
2/16/23	1.095										
2/17/23	1.124										
2/18/23	1.007										
2/19/23	0.978										
2/20/23	1.075	0.14	1.3	0.04	0.4	1.06	9.5	8.86	79.4	9.92	88.9
2/21/23	0.999	0.11	0.9	0.05	0.4	0.86	7.2	< 7.55	< 62.9	< 8.41	< 70.1
2/22/23	1.033										
2/23/23	0.982										
2/24/23	0.959										
2/25/23	1.014										
2/26/23	0.984										
2/27/23	1.240	0.14	1.4	0.04	0.4	1.41	14.6	8.29	85.7	9.70	100.3
2/28/23	1.093	0.13	1.2	< 0.02	< 0.2	1.1	10.0	< 8.68	< 79.1	< 9.78	< 89.2
3/1/23	1.024										
3/2/23	1.092										
3/3/23	2.352										
3/4/23	1.872										
3/5/23	1.361										
3/6/23	1.262	0.23	2.4	< 0.02	< 0.2	1.0	10.1	< 7.3	< 77.1	< 8.29	< 87.3
3/7/23	1.133	0.12	1.1	< 0.02	< 0.2	1.6	15.3	< 6.7	< 63.5	< 8.34	< 78.8

3/8/23	1.094																				
3/9/23	1.118																				
3/10/23	1.091																				
3/11/23	1.077																				
3/12/23	1.119																				
3/13/23	1.112		0.1		0.9		0.07		0.6		0.8		7.3	<	9.0	<	83.7	<	9.81	<	91.0
3/14/23	1.053		0.14		1.2	<	0.02	<	0.2		1.0		8.7	<	10.1	<	88.6	<	11.08	<	97.3
3/15/23	1.022																				
3/16/23	1.046																				
3/17/23	1.019																				
3/18/23	0.985																				
3/19/23	1.092																				
3/20/23	1.042		0.13		1.1		0.2		1.7		1.1		9.3		8.4		72.6		9.42		81.9
3/21/23	0.937		0.12		0.9		0.04		0.3		1.4		11.3		8.5		66.5		9.95		77.8
3/22/23	0.414																				
3/23/23	1.041																				
3/24/23	1.173																				
3/25/23	1.237																				
3/26/23	1.079																				
3/27/23	1.173		0.12		1.2		0.08		0.8		1.1		10.7	<	2.1	<	20.3	<	3.16	<	30.9
3/28/23	1.128		0.14		1.3		0.04		0.4		1.1		10.0	<	2.2	<	21.0	<	3.29	<	31.0
3/29/23	1.042																				
3/30/23	1.022																				
3/31/23	1.101																				
4/1/23	1.045																				
4/2/23	1.040																				
4/3/23	1.087																				
4/4/23	0.901		0.13		1.0	<	0.02	<	0.2		1.31		9.8	<	2.18	<	16.4	<	3.49	<	26.2
4/5/23	0.965		0.13		1.0	<	0.02	<	0.2		0.98		7.9	<	2.24	<	18.0	<	3.22	<	25.9
4/6/23	0.987																				
4/7/23	0.950																				
4/8/23	0.965																				
4/9/23	0.938																				
4/10/23	1.015		0.14		1.2		0.05		0.4		0.95		8.0	<	2.11	<	17.9	<	3.06	<	25.9
4/11/23	0.891		0.15		1.1	<	0.02	<	0.1		1.03		7.7	<	2.06	<	15.3	<	3.09	<	23.0
4/12/23	0.861																				
4/13/23	0.862																				
4/14/23	0.914																				
4/15/23	0.985																				
4/16/23	0.954																				
4/17/23	0.971		0.24		1.9		0.07		0.6		1.12		9.1	<	1.87	<	15.1	<	2.99	<	24.2
4/18/23	0.920		0.25		1.9		0.05		0.4		0.96		7.4	<	1.96	<	15.0	<	2.92	<	22.4
4/19/23	0.886																				
4/20/23	0.880																				
4/21/23	0.901																				
4/22/23	1.291																				
4/23/23	1.067																				
4/24/23	1.004		0.24		2.0		0.04		0.3		0.9		7.5	<	2.06	<	17.2	<	2.96	<	24.8
4/25/23	0.907		0.2		1.5		0.02		0.2		1.0		7.6	<	2.07	<	15.7	<	3.07	<	23.2
4/26/23	0.937																				
4/27/23	0.840																				
4/28/23	1.784																				
4/29/23	1.594																				
4/30/23	4.112																				
5/1/23	2.314		0.24		4.6		0.03		0.6		0.81		15.6	<	1.6	<	30.9	<	2.41	<	46.5
5/2/23	1.750		0.2		2.9		0.05		0.7		1.07		15.6	<	1.34	<	19.6	<	2.41	<	35.2
5/3/23	1.516																				

[illegible]

[illegible]

8/26/23																					
8/27/23																					
8/28/23																					
8/29/23																					
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9/29/23																					
9/30/23																					
Avg	1.176		0.35		3.4	<	0.05	<	0.5	<	0.88	<	8.5	<	5.32	<	52.1	<	6.21	<	60.6
Annual Total Mass Loads (lbs):					1243			<	189			<	3096			<	19032			<	22128

P Credits Generated: 718

No N Credits Generated

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

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

License No.: **23501**
Date: **6/9/2023**

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	43.9	< 8.7	243.6	< 490	< 733.6
May	84.4	< 8.6	< 207.8	< 573.1	< 780.9
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	0.19	< 0.04	1.03	< 2.07	< 3.1
May	0.31	< 0.03	< 0.64	< 2	< 2.64
June					
July					
August					
September					

VEOLIA Middletown WWTP

May, 2023

DATE	EFF	M.J. Reider Composite Sample Test Results																				
	FLOW	BOD		CBOD		%Remov	SUSPENDED SOLIDS				%Remov	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	2.314	69	1,335	<2.0	<38.59	97.1	70	1,351	5.0	96.48	92.9	0.24	4.63		0.03	0.58	<1.6	<30.87	0.8	15.63	<2.41	<46.5
02	1.750	59	863	<2.0	<29.19	96.6	34	496	<1.0	14.59	97.1	0.20	2.92	<2	0.05	0.73	<1.3	<19.56	1.1	15.62	<2.41	<35.2
03	1.516													5								
04	1.345																					
05	1.279																					
06	1.145																					
07	1.188																					
08	1.157	44	422	<2.0	<19.30	95.4	116	1,120	<1.0	9.65	99.1	0.13	1.25		<0.02	<0.19	<2.2	<21.14	0.7	6.37	<2.85	<27.5
09	1.059	97	853	<2.0	<17.66	97.9	63	556	1.0	8.83	98.4	0.14	1.24	3	0.02	0.18	<2.0	<17.92	0.6	5.12	<2.61	<23.0
10	1.052													<2								
11	0.993																					
12	1.006																					
13	1.073																					
14	0.991																					
15	1.014	126	1,065	<2.0	<16.91	98.4	160	1,353	1.0	8.45	99.4	0.28	2.37		<0.02	<0.17	<2.3	<19.19	<0.5	<4.23	<2.77	<23.4
16	0.921	176	1,351	<2.0	<15.36	98.9	174	1,336	2.0	15.36	98.9	0.34	2.61	8	0.02	0.15	<2.0	<15.51	<0.5	<3.84	<2.52	<19.3
17	0.945													3								
18	0.937																					
19	0.973																					
20	0.926																					
21	0.903																					
22	0.908	123	931	<2.0	<15.14	98.4	70	530	<1.0	7.57	98.6	0.43	3.26		0.02	0.15	<2.3	<17.57	<0.5	<3.79	<2.82	<21.4
23	0.836	136	949	<2.0	<13.95	98.5	132	921	<1.0	6.97	99.2	0.50	3.49	<2	0.05	0.35	<2.1	<14.30	0.5	3.77	<2.59	<18.1
24	0.832													<2								
25	0.826																					
26	0.883																					
27	0.758																					
28	0.764																					
29	0.779	81	524	<2.0	<12.99	97.5	90	585	<1.0	6.50	98.9	0.43	2.79		<0.02	<0.13	<1.8	<11.69	<0.5	<3.25	<2.30	<14.9
30	0.869	86	620	<2.0	<14.50	97.7	84	609	<1.0	7.25	98.8	0.37	2.68	<2	0.02	0.15	<2.4	<17.11	0.8	5.44	<3.11	<22.6
31	0.777													7								

REVISED 9/18/15 M

VEOLIA Middletown WWTP
Daily Effluent Grab Monitoring / Weather

May

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/AB	1016	1016	7.50	7.50	0.00	9.01	9.02	-0.11	0.43	0.43	0.00	16.4	255	STORM MODE
02	MB/AB	0740	0740	7.50	7.60	-1.32	9.01	9.00	0.11	0.57	0.56	1.77	15.8	208	STORM MODE
03	MB/AB	0857	0857	7.80	7.60	2.60	8.88	8.86	0.23	0.41	0.42	-2.41	16.8	235	
04	MB/AB	0831	0831	7.60	7.60	0.00	9.10	9.11	-0.11	0.37	0.34	8.45	16.3	228	
05	MB	0918	0918	7.60	7.60	0.00	9.07	9.12	-0.55	0.24	0.25	-4.08	17.0	3,730	
06	TH	1053	1053	7.70	7.70	0.00	9.26	9.26	0.00	0.31	0.32	-3.17	18.5		
07	MB	1229	1229	7.60	7.60	0.00	9.01	9.02	-0.11	0.25	0.25	0.00	18.6		
08	MB/AB	0929	0929	7.60	7.60	0.00	8.79	8.80	-0.11	0.19	0.19	0.00	18.4	305	
09	MB/AB/TH	0730	0730	7.60	7.60	0.00	8.56	8.56	0.00	0.33	0.30	9.52	19.0	450	
10	MB	0846	0846	7.50	7.60	-1.32	8.88	8.87	0.11	0.38	0.37	2.67	18.3	421	
11	AB/TH	0725	0725	7.60	7.70	-1.31	8.71	8.70	0.11	0.38	0.37	2.67	18.3	613	
12	MB/AB	0951	0951	7.50	7.50	0.00	8.73	8.75	-0.23	0.30	0.29	3.39	18.1	502	
13	MB	1047	1047	7.60	7.60	0.00	8.60	8.61	-0.12	0.37	0.39	-5.26	20.3		
14	TH	0817	0817	7.70	7.70	0.00	8.61	8.63	-0.23	0.36	0.43	-17.72	19.3		
15	TH/AB	0722	0722	7.70	7.60	1.31	8.75	8.76	-0.11	0.33	0.32	3.08	18.9	587	
16	TH/AB	0720	0720	7.60	7.70	-1.31	8.63	8.62	0.12	0.31	0.28	10.17	19.3	445	
17	TH/AB	0722	0722	7.50	7.60	-1.32	8.51	8.50	0.12	0.30	0.27	10.53	19.5	667	
18	TH	0833	0833	7.60	7.70	-1.31	8.68	8.65	0.35	0.38	0.38	0.00	18.8	551	
19	TH/AB	0718	0718	7.50	7.70	-2.63	8.76	8.73	0.34	0.28	0.28	0.00	19.3	630	
20	TH	0830	0830	7.60	7.70	-1.31	8.57	8.57	0.00	0.33	0.40	-19.18	19.4		
21	TH	0842	0842	7.70	7.70	0.00	8.53	8.52	0.12	0.33	0.39	-16.67	19.5		
22	MB/AB	0850	0850	7.60	7.60	0.00	8.50	8.52	-0.24	0.31	0.30	3.28	20.8	339	
23	MB/AB	0802	0802	7.60	7.70	-1.31	8.63	8.62	0.12	0.26	0.24	8.00	19.6	445	
24	MB/AB	0858	0858	7.60	7.70	-1.31	8.46	8.46	0.00	0.37	0.36	2.74	20.7	510	
25	MB/AB	0724	0724	7.60	7.60	0.00	8.56	8.55	0.12	0.35	0.32	8.96	19.4	645	
26	MB/AB	0716	0716	7.60	7.70	-1.31	8.45	8.46	-0.12	0.30	0.29	3.39	19.7	454	
27	TH	0756	0756	7.70	7.70	0.00	8.55	8.53	0.23	0.24	0.18	28.57	20.0		
28	MB	0919	0919	7.70	7.70	0.00	8.40	8.38	0.24	0.33	0.30	9.52	21.0		
29	MB	0811	0811	7.70	7.70	0.00	8.19	8.20	-0.12	0.29	0.30	-3.39	20.7		
30	MB	0722	0722	7.60	7.70	-1.31	8.44	8.43	0.12	0.26	0.23	12.24	20.4	307	
31/2023	MB/AB	0734	0734	7.60	7.70	-1.31	8.36	8.37	-0.12	0.30	0.31	-3.28	20.9	436	

VEOLIA Middletown WWTP

Process Control

May

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	4,265	51,933	3,017	70.7	7,186	25,000	1,498	24.52	4.18	0.11	930	650	152	19	22
02	3,157	38,443	2,136	67.7	3,880	11,048	358	72.74	3.51	0.07	740	370	117	1	12
03	4,178	50,875	2,849	68.2	9,786	35,000	2,857	12.14	3.58	0.04	870	550	132	24	12
04	3,699	45,037	2,589	70.0	8,590	21,000	1,504	20.96	3.94	0.04	890	550	149	20	18
05	4,024	49,000	2,716	67.5	8,374	22,000	1,536	21.53	4.02	0.06	900	560	139	3	8
06						20,000									
07						20,000								25	24
08	3,948	48,071	2,663	67.5	7,842	24,000	1,570	20.65	5.95	0.04	920	560	142	16	16
09	3,810	46,391	2,572	67.5	7,292	25,000	1,520	20.60	4.48	0.06	910	540	142	16	16
10	3,935	47,917	2,586	65.7	7,429	24,000	1,487	21.18	4.80	0.05	900	560	142	16	16
11	3,779	46,018	2,592	68.6	7,571	24,000	1,515	24.99	4.05	0.08	890	550	146	16	16
12	3,953	48,128	2,745	69.4	7,532	27,000	1,696	19.71	4.66	0.06	910	530	134	16	14
13						25,000								18	18
14						25,000								12	16
15	3,773	45,943	2,515	66.7	7,175	25,000	1,496	20.47	4.84	0.07	890	530	140	14	19
16	3,874	47,173	2,583	66.7	7,264	26,000	1,575	19.97	4.48	0.05	890	520	134	14	20
17	3,579	43,578	2,309	64.5	7,053	24,000	1,412	23.90	5.28	0.08	890	530	148	16	16
18	3,572	43,497	2,233	62.5	6,325	24,000	1,266	25.77	4.78	0.07	900	560	157	24	20
19	3,678	44,784	2,452	66.7	6,738	26,000	1,461	26.56	4.40	0.07	890	550	150	20	20
20						24,000								12	13
21						24,000								19	12
22	3,625	44,137	2,492	68.7	6,095	35,000	1,779	17.06	5.51	0.04	890	530	146	21	21
23	3,683	44,847	2,644	71.8	6,380	35,000	1,862	16.81	4.29	0.05	900	520	141	12	12
24	3,752	45,688	2,618	69.8	5,838	36,000	1,753	18.19	4.22	0.05	860	500	133	16	14
25	3,463	42,167	2,309	66.7	5,730	35,000	1,673	16.81	4.65	0.07	880	520	150	16	24
26	3,646	44,392	2,573	70.6	3,446	36,000	1,035	17.07	3.80	0.05	870	500	137	12	24
27						36,000								12	14
28						36,000								24	13
29						25,000								22	20
30	3,520	42,860	2,464	70.0	7,634	28,000	1,783	16.83	4.38	0.03	860	490	139	16	24
31	3,268	39,792	2,214	67.7	5,608	36,000	1,684	16.01	4.58	0.05	870	490	150	20	24
AVG	3,736	45,485	2,540	68.0	6,853	27,066	1,560	22.5	4.47	0.06	884	530	142	16	17

PA MIDDLETOWN WWTP

THICKENER MONTHLY REPORT

May

2023

DATE	RUN	FEED SLUDGE			DISCHARGE SLUDGE			POLYMER
	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01	6.00	80,474	0.83	5,571	15,147	4.02	5,078	5
02								
03								
04								
05	5.25	74,668	0.91	5,667	11,781	4.20	4,127	7
06								
07								
08	6.00	80,171	0.85	5,683	11,781	4.74	4,657	6
09								
10								
11								
12	6.50	89,330	0.85	6,333	11,781	4.92	4,834	6
13								
14								
15	5.75	79,726	0.77	5,120	11,781	5.06	4,972	5
16								
17								
18								
19	6.25	90,538	0.76	5,739	15,147	6.07	7,668	5
20								
21								
22	6.75	90,732	0.72	5,448	10,098	4.30	3,621	6
23								
24								
25								
26	7.75	119,179	0.71	7,057	15,147	4.63	5,849	7
27								
28								
29								
30	8.00	118,687	0.66	6,533	13,464	5.26	5,906	7
31								
TOTAL	58	823,505	7.06	53,151	116,127	43.20	46,712	54

REVISED 7/17/14

Veolia Middletown WWTP

May

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
05/01/23	MB	129.0	80,474	40,243	30,182	75.0	8.2	8.2	9.1	15,147	5,084	3,813	130.7	13:30	25.3	5/2/23 14:48																
05/02/23							9.1	8.0	8.0								5/2/23	14:30	132.9	18,993												
05/03/23																																
05/04/23																																
05/05/23	MB	130.0	74,668	41,999	31,654	75.4	8.0	8.0	8.7	11,781	4,127	3,110	130.7	12:45	25.3	5/6/23 14:03																
05/06/23																																
05/07/23							8.7	7.9	7.9								5/7/23	9:15	134.1	11,622												
05/08/23	MB	131.1	80,171	47,355	35,599	75.2	7.9	7.9	8.6	11,781	4,653	3,498	131.8	13:30	20.8	5/9/23 10:16																
05/09/23							8.6	7.9	7.9								5/9/23	12:37	134.6	10,515												
05/10/23																																
05/11/23																																
05/12/23	MB	133.0	89,330	49,159	36,489	74.2	7.9	7.9	8.5	11,781	4,830	3,585	134.5	13:45	12.8	5/13/23 2:33																
05/13/23																																
05/14/23																																
05/15/23	CK	133.4	79,726	50,607	37,379	73.9	8.5	8.5	9.2	11,781	4,972	3,673	134.5	13:00	12.8	5/16/23 1:48																
05/16/23																																
05/17/23							9.2	7.9	7.9								5/17/23	8:06	136.9	19,992												
05/18/23																																
05/19/23	CK	131.2	90,538	60,745	44,726	73.6	7.9	7.9	8.8	15,147	7,674	5,650	134.2	13:30	13.5	5/20/23 3:01																
05/20/23																																
05/21/23																																
05/22/23	MB	133.1	90,732	43,036	32,508	75.5	8.8	8.8	9.4	10,098	3,624	2,738	134.2	14:15	13.5	5/23/23 3:46																
05/23/23							9.4	7.9	7.9								5/23/23	13:21	135.5	23,674												
05/24/23																																
05/25/23																																
05/26/23	MB	132.5	119,179	46,344	34,178	73.7	7.9	7.9	8.8	15,147	5,854	4,318	133.9	14:30	14.3	5/27/23 4:45																
05/27/23																																
05/28/23							8.8	7.9	7.9								5/28/23	8:33	136.9	13,402												
05/29/23																																
05/30/23	MB	134.1	118,687	52,604	40,653	77.3	7.9	7.9	8.7	13,464	5,907	4,565	135.0	14:45	11.7	5/31/23 2:27																
05/31/23							8.7	8.0	8.0								5/31/23	13:08	136.2	10,329												

Veolia Middletown WWTP

May

2023

ATAD transfer to SNDR SRT							Centrifuge Data						
Date	Operator	ATAD				SRT	Operator	Centrifuge Feed Gallons	SNDR				
		Total Solids	Transfer Gallons	ATAD Tank	Waste ATAD to SNDR				TS	VS	VS	Discharge	
												TS	VS
												Lbs.	Lbs.
		mg/L	Gallons	Pounds	Pounds	Days			mg/L	mg/L	%	Lbs.	Lbs.
5/1/23													
5/2/23	MB	31,482	20,034	40,212	5,260	7.64							
5/3/23													
5/4/23							MB	20,130	28,345	16,326	57.6	4759	2741
5/5/23													
5/6/23													
5/7/23	MB	31,387	20,258	38,328	5,303	7.23							
5/8/23													
5/9/23	MB	30,651	19,291	36,999	4,931	7.50							
5/10/23							MB	22,243	27,057	15,167	56.1	5019	2814
5/11/23													
5/12/23													
5/13/23													
5/14/23													
5/15/23													
5/16/23													
5/17/23	MB	30,078	18,877	38,841	4,735	8.20							
5/18/23							CK	21,555	26,603	15,007	56.4	4782	2698
5/19/23													
5/20/23													
5/21/23													
5/22/23													
5/23/23	MB	30,636	19,555	40,421	4,996	8.09							
5/24/23							MB	24,662	27,446	15,729	57.3	5645	3235
5/25/23													
5/26/23													
5/27/23													
5/28/23	MB	29,984	18,847	37,036	4,713	7.86							
5/29/23													
5/30/23													
5/31/23	MB	30,901	19,638	37,735	5,061	7.46	MB	24,021	26,500	14,840	56.0	5309	2973

VEOLIA Middletown WWTP

Centrifuge Monthly Report

May

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													
02													
03													
04	5.50	20,130	2.83	4,751	2.38	29.6	388	163	26	104	7.3	8.0	
05													
06													
07													
08													
09													
10	5.00	22,243	2.71	5,027	2.51	36.6	335	133	23	108	7.2	8.0	
11													
12													
13													
14													
15													
16													
17													
18	4.75	21,555	2.66	4,782	2.39	31.5	334	140	22	100	7.4	8.0	
19													
20													
21													
22													
23													
24	5.50	24,662	2.74	5,636	2.82	32.7	328	116	25	126	7.4	8.0	
25													
26													
27													
28													
29													
30													
31	5.00	24,021	2.65	5,309	2.65	31.6	317	119	22	89	6.5	8.0	

REVISED 7/17/14

PA MIDDLETOWN WWTP

May, 2023

BIOSOLIDS INVENTORY

DATE	DRY TONS		TO	USE	TOTAL ON SITE
	PROCESSED	DELIVERED			
05/01/23					
05/02/23					
05/03/23					
05/04/23	2.38	2.38	Amerigreen	Agriculture	0.00
05/05/23					
05/06/23					
05/07/23					
05/08/23					
05/09/23					
05/10/23	2.51			Agriculture	2.51
05/11/23					
05/12/23					
05/13/23					
05/14/23					
05/15/23		2.51	Amerigreen	Agriculture	0.00
05/16/23					
05/17/23					
05/18/23	2.39				2.39
05/19/23					
05/20/23					
05/21/23					
05/22/23					
05/23/23		2.39	Amerigreen	Agriculture	0.00
05/24/23	2.82			Agriculture	2.82
05/25/23					
05/26/23					
05/27/23					
05/28/23					
05/29/23					
05/30/23		2.82	Amerigreen	Agriculture	0.00
05/31/23	2.65	2.65	Amerigreen	Agriculture	0.00
Total Tons	12.75	12.75		Total Tons	7.72
Metric Tons	11.57	11.56		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	12.08	12.08	10.96	10.96
May, 2023	12.75	12.75	11.56	11.56
Jun, 2023				
Jul, 2023				
Aug, 2023				
Sep, 2023				
Oct, 2023				
Nov, 2023				
Dec, 2023				
Total	71.95	71.95	65.27	65.27
Average	14.39	14.39	13.05	13.05
Maximum	16.91	16.91	15.34	15.34
Minimum	12.08	12.08	10.96	10.96

PA MIDDLETOWN WWTP

BIOSOLIDS VOLATILE REDUCTION

MONTH May

YEAR 2023

DAY	THICKENER DISCHARGE			SNDR			%
	TS	TVS	VS	TS	TVS	VS	VOL.
	mg/L		%	mg/L		%	REDUCT.
01	56,000	42,280	76	26,200	14,500	55	65.7
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22	56,000	42,168	75	25,900	14,300	55	66.1
23							
24							
25							
26							
27							
28							
29							
30							
31							
AVG	56000.00	42224.00	75.40	26050.00	14400.00	55.28	

% SOLIDS REDUCTION	53.48	65.90	%
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REVISED 7/17/14

Veolia Middletown WWTP

Biosolids Volatile Reduction							
M.J. Reider Results							
2022							
Date	Thickener Discharge			SNDR			Volatile Reduction
	TS	TVS	VS	TS	TVS	VS	
	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
04/05/23	61,000	47,458	78.0	26,400	14,600	55.0	69.2
04/17/23	61,000	46,665	77.0	26,200	14,600	56.0	68.7
05/01/23	56,000	42,280	75.5	26,200	14,500	55.0	65.7
05/22/23	56,000	42,168	75.3	25,900	14,300	55.0	66.1
AVG	57,875	44,377	76.7	26,988	14,988	55.5	
Avg. % TS Reduction		53.4	Avg. Mass Balance % VS Reduction				66.2

**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	42.004	1.400	4/30/2023	4.112	4/27/2023	0.840	123	2	43,063	832	42,231	98.0	0.19	65	200
May	32.718	1.055	5/1/2023	2.314	5/27/2023	0.758	100	2	27,169	546	26,624	97.6	0.31	83	8
June															
July															
August															
September															
October															
November															
December															
Total	182.361								324,388	3,375	321,015			340	
Average	36.472	1.208		2.440		23.141	205	2	64,878	675	64,203	98.3	0.23	68	
Maximum	43.279	1.400		4.112		112.000	429	2	154,777	832	154,037	98.9	0.31	95	
Minimum	30.250	1.055		1.317		0.758	100	2	27,169	546	26,624	97.6	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	64	3	22,552	920	21,632	95.9	0.03	10	1.0	361	2.07	725	3.10	1,086	<6
May	99	2	27,096	409	26,686	98.1	0.03	7	0.6	175	2.00	545	2.64	720	<3
June															
July															
August															
September															
October															
November															
December															
Total			295,904	3,516	292,386			84	5	1,423		7,919		9,342	
Average	184.0	2.4	59,181	703	58,477	97.6	0.06	17	1	285	5.28	1,584	6.21	1,868	
Maximum	475.0	3.0	171,377	1,119	170,258	98.3	0.12	39	1	361	8.25	2,625	9.25	2,936	
Minimum	64.0	2.0	22,552	409	21,632	95.9	0.03	7	1	175	2.00	545	2.64	720	



M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2316402

Report: 05/10/23

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: 2316402-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 05/02/23 10:03 **Received:** 05/02/23 14:11
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	69.2	mg/l	2.0	SM 5210 B	05/03/23 14:37	C-37a	RXN
Solids, Total Suspended	70	mg/l	1	SM 2540 D	05/04/23		TMH

Lab ID: 2316402-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 05/02/23 10:03 **Received:** 05/02/23 14:11
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.03	mg/l	0.02	EPA 350.1 Rev 2.0	05/02/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/03/23 17:47	C-37	EAK
Nitrate as N	1.50	mg/l	1.00	EPA 300.0 Rev 2.1	05/02/23 16:59		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/02/23 16:59		KCS
Nitrate+Nitrite as N	<1.60	mg/l	1.10	CALCULATED	05/02/23 16:59		KCS
Nitrogen, Total	<2.41	mg/l	1.60	CALCULATED	05/03/23 21:25		JMW
Nitrogen, Total Kjeldahl (TKN)	0.81	mg/l	0.50	EPA 351.2 Rev 2.0	05/03/23		JMW
Phosphorus as P, Total	0.24	mg/l	0.01	SM 4500-P F	05/02/23		JMW
Solids, Total Suspended	5	mg/l	1	SM 2540 D	05/03/23		TMH

Lab ID: 2316402-03 **Collected By:** Client
Sample Desc: Effluent (Grab)

Sampled: 05/02/23 10:03 **Received:** 05/02/23 14:11
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	5/2/23 16:10	5/3/23 14:40		RMB



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Additional accreditations by MD (261)

M.J. Reider Associates, Inc.

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2316402-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3E0169	05/02/2023	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-37a The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L at 0.8 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.: 2316692

Report: 05/15/23

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: 2316692-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 05/03/23 07:59 **Received:** 05/03/23 13:55
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	59.1	mg/l	2.0	SM 5210 B	05/04/23 16:19	C-37a	RXN
Solids, Total Suspended	34	mg/l	1	SM 2540 D	05/05/23		ALD

Lab ID: 2316692-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 05/03/23 08:57 **Received:** 05/03/23 13:55
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.05	mg/l	0.02	EPA 350.1 Rev 2.0	05/05/23		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/04/23 10:35	C-37	KMS
Nitrate as N	1.24	mg/l	1.00	EPA 300.0 Rev 2.1	05/03/23 16:16		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/03/23 16:16		KCS
Nitrate+Nitrite as N	<1.34	mg/l	1.10	CALCULATED	05/03/23 16:16		KCS
Nitrogen, Total	<2.41	mg/l	1.60	CALCULATED	05/10/23 18:51		JMW
Nitrogen, Total Kjeldahl (TKN)	1.07	mg/l	0.50	EPA 351.2 Rev 2.0	05/10/23		JMW
Phosphorus as P, Total	0.20	mg/l	0.01	SM 4500-P F	05/05/23		SNF
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	05/05/23		ALD



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Additional accreditations by MD (261)

M.J. Reider Associates, Inc.

Lab ID: 2316692-03 **Collected By:** Client **Sampled:** 05/03/23 11:39 **Received:** 05/03/23 13:55
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	5	/100ml	2	SM 9222 D	5/3/23 16:55	5/4/23 15:40		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2316692-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3E0318	05/04/2023	SNF

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 0.8 mg/L.



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

Certificate of Analysis

Laboratory No.: 2317502

Report: 05/17/23

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: 2317502-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 05/09/23 07:55 **Received:** 05/09/23 13:50
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	43.7	mg/l	2.0	SM 5210 B	05/10/23 9:21	B-01, B-04	EAK
Solids, Total Suspended	116	mg/l	1	SM 2540 D	05/11/23		ALD

Lab ID: 2317502-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 05/09/23 07:30 **Received:** 05/09/23 13:50
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	05/09/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/10/23 17:04	B-01, B-02	RXN
Nitrate as N	2.09	mg/l	1.00	EPA 300.0 Rev 2.1	05/09/23 15:08		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/09/23 15:08		KCS
Nitrate+Nitrite as N	<2.19	mg/l	1.10	CALCULATED	05/09/23 15:08		KCS
Nitrogen, Total	<2.85	mg/l	1.60	CALCULATED	05/12/23 17:58		NJG
Nitrogen, Total Kjeldahl (TKN)	0.66	mg/l	0.50	EPA 351.2 Rev 2.0	05/12/23		NJG
Phosphorus as P, Total	0.13	mg/l	0.01	SM 4500-P F	05/09/23		JMW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	05/11/23		ALD



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Lab ID: 2317502-03 **Collected By:** Client **Sampled:** 05/09/23 09:53 **Received:** 05/09/23 13:50
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	5/9/23 15:56	5/10/23 14:18		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2317502-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3E0616	05/09/2023	JMW

Notes and Definitions

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



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

Certificate of Analysis

Laboratory No.: 2317719

Report: 05/17/23

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: 2317719-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 05/10/23 09:02 **Received:** 05/10/23 13:06
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	96.6	mg/l	2.0	SM 5210 B	05/11/23 10:30	B-01	KMS
Solids, Total Suspended	63	mg/l	1	SM 2540 D	05/12/23		ALD

Lab ID: 2317719-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 05/10/23 08:46 **Received:** 05/10/23 13:06
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	05/11/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/11/23 13:00	B-01	RXN
Nitrate as N	1.93	mg/l	1.00	EPA 300.0 Rev 2.1	05/10/23 14:38		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/10/23 14:38		KCS
Nitrate+Nitrite as N	<2.03	mg/l	1.10	CALCULATED	05/10/23 14:38		KCS
Nitrogen, Total	<2.61	mg/l	1.60	CALCULATED	05/12/23 20:32		NJG
Nitrogen, Total Kjeldahl (TKN)	0.58	mg/l	0.50	EPA 351.2 Rev 2.0	05/12/23	Q-10	NJG
Phosphorus as P, Total	0.14	mg/l	0.01	SM 4500-P F	05/11/23		JMW
Solids, Total Suspended	1	mg/l	1	SM 2540 D	05/12/23		ALD



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Lab ID: 2317719-03 **Collected By:** Client **Sampled:** 05/10/23 10:27 **Received:** 05/10/23 13:06
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	5/10/23 14:24	5/11/23 13:24		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2317719-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3E0777	05/11/2023	JMW

Notes and Definitions

- B-01 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L.
Q-10 The matrix spike(s) were outside acceptable limits of 90-110% recovery at 114% and 113%.



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

Certificate of Analysis

Laboratory No.: 2318574

Report: 05/23/23

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: 2318574-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 05/16/23 07:28 **Received:** 05/16/23 14:11
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	126	mg/l	2.0	SM 5210 B	05/17/23 10:31	B-01	EAK
Solids, Total Suspended	160	mg/l	1	SM 2540 D	05/17/23		ALD

Lab ID: 2318574-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 05/16/23 07:20 **Received:** 05/16/23 14:11
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	05/16/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/17/23 16:25	B-01	EAK
Nitrate as N	2.17	mg/l	1.00	EPA 300.0 Rev 2.1	05/16/23 16:24		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/16/23 16:24		KCS
Nitrate+Nitrite as N	<2.27	mg/l	1.10	CALCULATED	05/16/23 16:24		KCS
Nitrogen, Total	<2.77	mg/l	1.60	CALCULATED	05/19/23 19:32		NJG
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	05/19/23		NJG
Phosphorus as P, Total	0.28	mg/l	0.01	SM 4500-P F	05/16/23		JMW
Solids, Total Suspended	1	mg/l	1	SM 2540 D	05/17/23		ALD



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Lab ID: 2318574-03 **Collected By:** Client **Sampled:** 05/16/23 11:15 **Received:** 05/16/23 14:11
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	8	/100ml	2	SM 9222 D	5/16/23 16:00	5/17/23 15:14		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2318574-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3E1069	05/16/2023	JMW

Notes and Definitions

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



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

Certificate of Analysis

Laboratory No.: 2319234

Report: 05/25/23

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: 2319234-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 05/17/23 07:29 **Received:** 05/17/23 12:55
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	176	mg/l	2.0	SM 5210 B	05/18/23 13:23	B-01	EAK
Solids, Total Suspended	174	mg/l	1	SM 2540 D	05/18/23		ALD

Lab ID: 2319234-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 05/17/23 07:22 **Received:** 05/17/23 12:55
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	05/18/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/18/23 20:02	B-01	EAK
Nitrate as N	1.92	mg/l	1.00	EPA 300.0 Rev 2.1	05/17/23 15:27		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/17/23 15:27		KCS
Nitrate+Nitrite as N	<2.02	mg/l	1.10	CALCULATED	05/17/23 15:27		KCS
Nitrogen, Total	<2.52	mg/l	1.60	CALCULATED	05/20/23 1:05		NJG
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	05/20/23		NJG
Phosphorus as P, Total	0.34	mg/l	0.01	SM 4500-P F	05/18/23		JMW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	05/19/23		ALD



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Lab ID: 2319234-03 **Collected By:** Client **Sampled:** 05/17/23 10:07 **Received:** 05/17/23 12:55
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	5/17/23 14:28	5/18/23 13:29		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2319234-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3E1175	05/17/2023	SNF

Notes and Definitions

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



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

Certificate of Analysis

Laboratory No.: 2318383

Report: 05/30/23

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: 2318383-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 05/23/23 07:42 **Received:** 05/23/23 13:35
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	123	mg/l	2.0	SM 5210 B	05/24/23 10:02	B-01	RXN
Solids, Total Suspended	70	mg/l	1	SM 2540 D	05/24/23		ALD

Lab ID: 2318383-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 05/23/23 08:02 **Received:** 05/23/23 13:35
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	05/24/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/24/23 15:38	B-03	RXN
Nitrate as N	2.22	mg/l	1.00	EPA 300.0 Rev 2.1	05/23/23 14:10		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/23/23 14:10		KCS
Nitrate+Nitrite as N	<2.32	mg/l	1.10	CALCULATED	05/23/23 14:10		KCS
Nitrogen, Total	<2.82	mg/l	1.60	CALCULATED	05/25/23 1:09		JMW
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	05/25/23		JMW
Phosphorus as P, Total	0.43	mg/l	0.01	SM 4500-P F	05/24/23		JMW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	05/24/23		ALD



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Lab ID: 2318383-03 **Collected By:** Client **Sampled:** 05/23/23 10:26 **Received:** 05/23/23 13:35
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	5/23/23 16:04	5/24/23 16:11		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2318383-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3E1570	05/23/2023	JMW

Notes and Definitions

- B-01 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L.
B-03 The Glucose-Glutamic Acid check was below the acceptable criteria of 198 ± 30.5 mg/L.



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

Certificate of Analysis

Laboratory No.: 2319430

Report: 05/31/23

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: 2319430-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 05/24/23 07:50 **Received:** 05/24/23 12:50
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	136	mg/l	2.0	SM 5210 B	05/25/23 9:05		KMS
Solids, Total Suspended	132	mg/l	1	SM 2540 D	05/25/23		ALD

Lab ID: 2319430-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 05/24/23 08:58 **Received:** 05/24/23 12:50
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.05	mg/l	0.02	EPA 350.1 Rev 2.0	05/25/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/25/23 15:18		KMS
Nitrate as N	1.95	mg/l	1.00	EPA 300.0 Rev 2.1	05/24/23 17:11		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/24/23 17:11		KCS
Nitrate+Nitrite as N	<2.05	mg/l	1.10	CALCULATED	05/24/23 17:11		KCS
Nitrogen, Total	<2.59	mg/l	1.60	CALCULATED	05/26/23 19:28		NJG
Nitrogen, Total Kjeldahl (TKN)	0.54	mg/l	0.50	EPA 351.2 Rev 2.0	05/26/23		NJG
Phosphorus as P, Total	0.50	mg/l	0.01	SM 4500-P F	05/25/23		JMW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	05/26/23		ALD



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Lab ID: 2319430-03 **Collected By:** Client **Sampled:** 05/24/23 08:42 **Received:** 05/24/23 12:50
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	5/24/23 14:10	5/25/23 14:24		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2319430-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3E1712	05/25/2023	JMW



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2320362

Report: 06/06/23

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: 2320362-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 05/30/23 07:27 **Received:** 05/30/23 13:50
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	80.6	mg/l	2.0	SM 5210 B	05/31/23 11:36	B-01	EAK
Solids, Total Suspended	90	mg/l	1	SM 2540 D	05/31/23		ALD

Lab ID: 2320362-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 05/30/23 07:22 **Received:** 05/30/23 13:50
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	05/30/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/31/23 15:14		EAK
Nitrate as N	1.70	mg/l	1.00	EPA 300.0 Rev 2.1	05/30/23 19:15		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/30/23 19:15		KCS
Nitrate+Nitrite as N	<1.80	mg/l	1.10	CALCULATED	05/30/23 19:15		KCS
Nitrogen, Total	<2.30	mg/l	1.60	CALCULATED	05/31/23 22:54		JMW
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	05/31/23		JMW
Phosphorus as P, Total	0.43	mg/l	0.01	SM 4500-P F	05/30/23		JMW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	05/31/23		ALD



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Additional accreditations by MD (261)

M.J. Reider Associates, Inc.

Lab ID: 2320362-03 **Collected By:** Client **Sampled:** 05/30/23 10:44 **Received:** 05/30/23 13:50
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	5/30/23 15:48	5/31/23 13:57		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2320362-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3E1909	05/30/2023	JMW

Notes and Definitions

B-01 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 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.: 2320154

Report: 06/06/23

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: 2320154-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 05/31/23 07:18 **Received:** 05/31/23 13:35
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	85.5	mg/l	2.0	SM 5210 B	06/01/23 11:35		KMS
Solids, Total Suspended	84	mg/l	1	SM 2540 D	06/01/23		ALD

Lab ID: 2320154-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 05/31/23 07:34 **Received:** 05/31/23 13:35
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	06/01/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	06/01/23 13:57		KMS
Nitrate as N	2.26	mg/l	1.00	EPA 300.0 Rev 2.1	05/31/23 16:33		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/31/23 16:33		KCS
Nitrate+Nitrite as N	<2.36	mg/l	1.10	CALCULATED	05/31/23 16:33		KCS
Nitrogen, Total	<3.11	mg/l	1.60	CALCULATED	06/02/23 16:50		NJG
Nitrogen, Total Kjeldahl (TKN)	0.75	mg/l	0.50	EPA 351.2 Rev 2.0	06/02/23		NJG
Phosphorus as P, Total	0.37	mg/l	0.01	SM 4500-P F	06/01/23		JMW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	06/01/23		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2320154-03 **Collected By:** Client **Sampled:** 05/31/23 11:49 **Received:** 05/31/23 13:35
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	7	/100ml	2	SM 9222 D	5/31/23 15:34	6/1/23 13:41		RMB

Preparation Methods

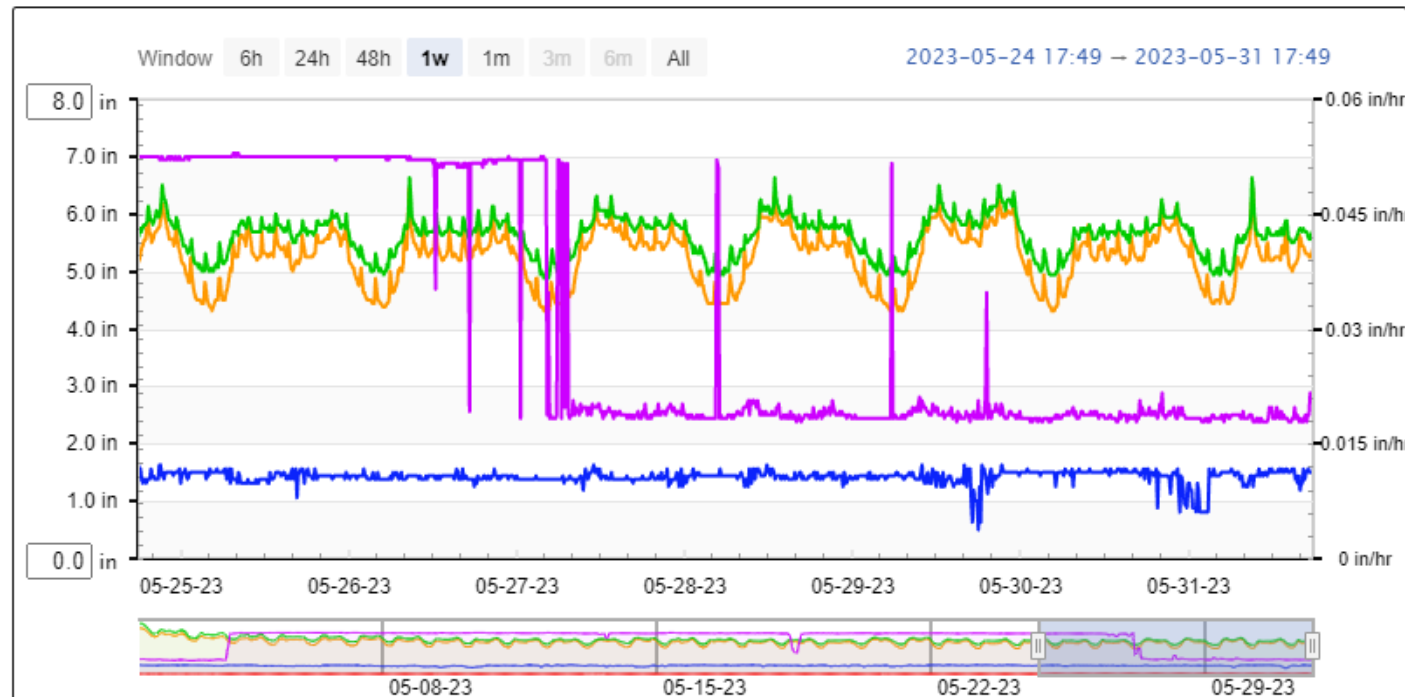
Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2320154-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3F0045	06/01/2023	JMW



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Time Period Custom ▼

Date Range 2023-05-01 17:49 - 2023-05-31 17:49

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: 0.00 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

May, 2023

Maximum Day 921,346
Minimum Day 632,609

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	104,447	298,389			59,991	186,629	649,456	72,395
02	180,674	300,428			103,328	324,651	909,081	128,869
03	123,383	301,920			70,678	221,578	717,559	70,017
04	175,149	301,520			100,094	313,269	890,032	133,167
05	154,042	301,939			88,405	277,346	821,732	74,586
06	163,588	301,816			93,999	294,772	854,175	126,847
07	127,655	303,078			73,848	222,860	727,441	63,131
08	167,435	287,908			96,455	288,023	839,821	135,805
09	164,777	301,503			97,788	281,858	845,926	70,336
10	155,339	302,915			104,106	268,086	830,446	63,036
11	139,835	301,754			80,947	241,806	764,342	127,566
12	151,563	300,883			87,624	258,784	798,854	69,284
13	100,683	302,325			58,386	171,215	632,609	60,819
14	166,092	299,810			95,996	295,352	857,250	126,537
15	183,763	298,354			106,550	315,827	904,494	70,280
16	143,196	299,181			83,054	260,679	786,110	60,731
17	142,206	298,768			82,392	260,811	784,177	70,437
18	138,044	298,321			79,380	248,803	764,548	118,931
19	146,727	297,270			84,580	264,995	793,572	60,094
20	142,074	298,244			82,279	257,371	779,968	64,208
21	167,655	296,119			96,749	302,974	863,497	67,150
22	137,788	295,279			79,849	248,634	761,550	123,533
23	151,024	294,871			87,741	273,121	806,757	64,297
24	177,837	197,975			16,746	319,738	712,296	125,005
25	241,075	153,044			86,181	391,009	871,309	112,680
26	227,211	58,090			131,477	364,812	781,590	98,383
27	231,917				133,838	386,896	752,651	64,571
28	254,312				146,616	435,446	836,374	61,164
29	280,479				161,650	440,984	883,113	68,886
30	197,065	237,292			113,853	343,597	891,807	144,856
31	249,271	88,854			144,251	438,970	921,346	152,723
Totals:	5,286,306	7,617,850			2,928,831	9,200,896	25,033,883	2,850,324
Maximum	280,479	303,078			161,650	440,984	921,346	152,723
Minimum	100,683	58,090			16,746	171,215	632,609	60,094
Average	170,526	272,066			94,478	296,803	807,545	91,946

	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	May	1 Mon															
6		2 Tue		5-2-23	7.70	17.0	345.0	198.00	107.00	0.05	22.20	<0.02	<0.01	257.00	720.00	7.70	
7		3 Wed															
8		4 Thu															
9		5 Fri															
10		6 Sat															
11		7 Sun															
12		8 Mon															
13		9 Tue		5-9-23	7.80	18.0	335.0	200.00	104.00	0.06	22.30	<0.02	<0.01	269.00	700.00	7.80	
14		10 Wed															
15		11 Thu															
16		12 Fri															
17		13 Sat															
18		14 Sun															
19		15 Mon															
20		16 Tue		5-16-23	7.90	20.0	319.0	204.00	99.00	0.06	20.00	<0.02	<0.01	234.00	689.00	7.90	
21		17 Wed															
22		18 Thu															
23		19 Fri															
24		20 Sat															
25		21 Sun															
26		22 Mon															
27		23 Tue		5-23-23	7.80	21.0	355.0	202.00	110.00	0.07	23.00	<0.02	<0.01	250.00	743.00	7.80	
28		24 Wed															
29		25 Thu															
30		26 Fri															
31		27 Sat															
32		28 Sun															
33		29 Mon															
34		30 Tue		5-30-23	8.00	21.0	353.0	190.00	113.00	0.07	22.10	<0.02	<0.01	262.00	747.00	8.00	
35		31 Wed															
37		MINIMUM		5-16-23	7.70	17.0	319.0	190.00	99.00	0.05	20.00	<0.02	<0.01	234.00	689.00	7.70	
38		MAXIMUM		5-9-23	8.00	21.0	355.0	204.00	113.00	0.07	23.00	<0.02	<0.01	269.00	747.00	8.00	
39		AVERAGE		1	7.84	19.4	341.4	198.80	106.60	0.06	21.92	<0.02	<0.01	254.40	719.80	3.48	
40		SUM		5	39.20	97.0	1,707.0	994.00	533.00	0.31	109.60	<0.10	<0.05	1,272.00	3,599.00	17.38	



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2316698

Reported: 05/10/23

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: 2316698-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 05/02/23 09:28 **Received:** 05/02/23 14:11
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	5/2/23 15:37	5/3/23 10:18		NAK	N/A 1

Lab ID: 2316698-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 05/02/23 09:02 **Received:** 05/02/23 14:11
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	5/2/23 15:37	5/3/23 10:18		NAK	N/A 1

Lab ID: 2316698-03 **Collected By:** Client
Sample Desc: 707 Main St & Catherine St. Hydrant
Notes:

Sampled: 05/02/23 09:16 **Received:** 05/02/23 14:11
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	5/2/23 15:37	5/3/23 10:18		NAK	N/A 1



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

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

WORK ORDER
Chain of Custody

Client: Veolia Middletown

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

2316698



PWSID: 7220038

Collected By :

(Full Name)

CHRIS HANNAN

Comments: _____

2316698-01 701 Middletown WWTP

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date/Time: 5-2-23 0928PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThio

Loc ID: 701

81

2316698-02 703 North Union Street Booster Station

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date/Time: 5-2-23 0902PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThio

Loc ID: 703 76

2316698-03 707 Main St & Cathererine St. Hydrant

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date/Time: 5-2-23 0916PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThio

Loc ID: 707 89

FIZIDCE -0.6

CHRIS HANNAN

Relinquished By

5-2-23 0929

Date/Time

FIZIDCE

Received By

5-2-23 0929

Date/Time

NP

Relinquished By

5/2/23 1106

Date/Time

Received By

5/2/23 1106

Date/Time

Relinquished By

Date/Time

Received at Laboratory By

5/2/23 1411

Date/Time

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

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	<u>1.6</u>
Samples on Ice?	☒ Yes ☐ No ☐ NA
Approved By:	<u>cm</u>
Entered By:	<u>ILMD</u>



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2316697

Reported: 05/15/23

Lab Contact: Christina M Kistler

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

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2316697-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 05/02/23 09:30 **Received:** 05/02/23 14:11
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	05/08/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	345	mg/l	4.56	CALCULATED	05/04/23		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	05/05/23		SNF	N/A N/A	
Silica as SiO ₂	22.2	mg/l	2.14	CALCULATED	05/04/23		HRG	N/A N/A	
Conductivity	720	umhos/cm	1	SM 2510 B	05/03/23		RXN	N/A N/A	
Total Metals									
Calcium	107	mg/l	1	EPA 200.7 Rev 4.4	05/04/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	05/04/23		HRG	N/A 0.3	PASS
Magnesium	18.9	mg/l	0.5	EPA 200.7 Rev 4.4	05/04/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	05/04/23		MPB	N/A 0.05	PASS
Silicon	10.4	mg/l	1.0	EPA 200.7 Rev 4.4	05/04/23		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
2316697-01			
SM 4500-P F	SM 4500-P B	05/04/2023	SNF



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M.J. Reider Associates, Inc.

107 Angelica St, Reading PA, 19611
610-374-5129 www.mjreider.com

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

WORK ORDER Chain of Custody

Client: Veolia Middletown

Project: DW-Weekly WWTP Water Lab Sink

2316697



Collected By :
(Full Name)

Chris Hannan

Comments:

2316697-01 WWTP Lab Sink

Alk SM 2320B, Ca EPA 200.7, Fe EPA 200.7, Hardness EPA 200.7 CALC, Mg EPA 200.7, Mn EPA 200.8, PO4 SM 4500P-F, Si EPA 200.7, Silica as SiO2 EPA 200.7 CALC, Sp Cond SM 2510B

Matrix: Drinking Water

Type: Grab

Date/Time: 5-2-23 0930

A - PI 500ml NP, minimal hdspc
B - PI 500ml HNO3
C - PI 500ml H2SO4

Frizole -0.4
PH 7.7
TEMP 17
TDS 257
Ch2 0.81

Chris Hannan

Relinquished By

5-2-23 0933

Date/Time

Frizole

Received By

5-2-23 0933

Date/Time

NP

Relinquished By

5/2/23 1106

Date/Time

Received By

5/2/23 1106

Date/Time

Relinquished By

Date/Time

Received at Laboratory By

5/2/23 1411

Date/Time

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

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	1.6
Samples on Ice?	☒ Yes ☐ No ☐ NA
Approved By:	Chris
Entered By:	KMP



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2317722

Reported: 05/18/23

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: 2317722-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 05/09/23 08:30 **Received:** 05/09/23 13:50
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	5/9/23 16:17	5/10/23 10:30		NAK	N/A 1

Lab ID: 2317722-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 05/09/23 08:11 **Received:** 05/09/23 13:50
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 705

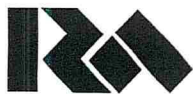
	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	5/9/23 16:17	5/10/23 10:30		NAK	N/A 1



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Additional accreditations by MD (261)

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

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

WORK ORDER
Chain of Custody

Client: Veolia Middletown

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

2317722



PWSID: 7220038

Collected By :

(Full Name)

Chris Hannan

Comments: _____

2317722-01 704 Village of Pineford Office

Matrix: Drinking Water

Type: Grab

Date/Time:

5-9-230830

TC (P/A) SM 9223B

PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThioLoc ID: 704 83**2317722-02 705 High Street Standpipe**

Matrix: Drinking Water

Type: Grab

Date/Time:

5-9-230811

TC (P/A) SM 9223B

PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThioLoc ID: 705 1.15Fridge 1.5Chris Hannan

Relinquished By

5-9-23
Date/Time0846Fridge

Received By

5-9-23
Date/Time0846NP
Relinquished By5/9/23
Date/Time1014

Received By

5/9/23
Date/Time1014

Relinquished By

Date/Time

Received at Laboratory By

Date/Time

5/9/23
Date/Time1350

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

Page 1 of 1

Printed: 5/2/2023 11:28:30AM

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	<u>1.4</u>
Samples on Ice?	☒ Yes ☐ No ☐ NA
Approved By:	<u>cmu</u>
Entered By:	

Report Temp

Page 2 of 4



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2317721

Reported: 05/19/23

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: 2317721-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 05/09/23 08:48 **Received:** 05/09/23 13:50
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	200	mg CaCO ₃ /L	20	SM 2320 B	05/10/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	335	mg/l	4.56	CALCULATED	05/12/23		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	05/09/23		JMW	N/A N/A	
Silica as SiO ₂	22.3	mg/l	2.14	CALCULATED	05/11/23		HRG	N/A N/A	
Conductivity	700	umhos/cm	1	SM 2510 B	05/15/23		RXN	N/A N/A	
Total Metals									
Calcium	104	mg/l	1	EPA 200.7 Rev 4.4	05/12/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	05/11/23		HRG	N/A 0.3	PASS
Magnesium	18.5	mg/l	0.5	EPA 200.7 Rev 4.4	05/12/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	05/10/23		MPB	N/A 0.05	PASS
Silicon	10.4	mg/l	1.0	EPA 200.7 Rev 4.4	05/11/23		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
2317721-01			
SM 4500-P F	SM 4500-P B	05/09/2023	JMW



107 Angelica Street Reading, PA 19611 (610) 374-5129 fax (610) 374-7234

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NELAC accreditations for various drinking water, wastewater and solid & chemical materials analytes.
Additional accreditations by MD (261)



M.J. Reider Associates, Inc.

107 Angelica St, Reading PA, 19611
610-374-5129 www.mjreider.com

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

WORK ORDER Chain of Custody

2317721



Client: Veolia Middletown

Project: DW-Weekly WWTP Water Lab Sink

Collected By :

(Full Name)

Chris Hannan

Comments: _____

2317721-01 WWTP Lab Sink

Alk SM 2320B, Ca EPA 200.7, Fe EPA 200.7, Hardness EPA 200.7 CALC, Mg EPA 200.7, Mn EPA 200.8, PO4 SM 4500P-F, Silica as SiO2 EPA 200.7 CALC, Sp Cond SM 2510B, Si EPA 200.7

Matrix: Drinking Water

Type: Grab

Date/Time: 5-9-23

0848

A - PI 500ml NP, minimal hdspe

B - PI 500ml HNO3

C - PI 500ml H2SO4

*Fridge 1.5
pH 7.8
Temp 18
TDS 269
Cl2 0.86*

Chris Hannan

Relinquished By

5-9-23 0850

Date/Time

FR1000

Received By

5-9-23 0850

Date/Time

NP

Relinquished By

5/9/23 1014

Date/Time

Received By

5/9/23 1014

Date/Time

Relinquished By

Date/Time

Received at Laboratory By

5/9/23 1350

Date/Time

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

Sample Kit Prepared By: <i>am</i>	Date/Time
Sample Temp (°C): <i>1.4</i>	
Samples on Ice?	Yes No NA
Approved By: <i>am</i>	
Entered By: <i>am</i>	



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2318576

Reported: 05/22/23

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: 2318576-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 05/16/23 09:27 **Received:** 05/16/23 14:11
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	5/16/23 17:06	5/17/23 12:03		RMB	N/A 1

Lab ID: 2318576-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 05/16/23 08:47 **Received:** 05/16/23 14:11
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	5/16/23 17:06	5/17/23 12:03		RMB	N/A 1

Lab ID: 2318576-03 **Collected By:** Client
Sample Desc: 707 Main St & Catherine St. Hydrant
Notes:

Sampled: 05/16/23 09:13 **Received:** 05/16/23 14:11
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	5/16/23 17:06	5/17/23 12:03		RMB	N/A 1



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Additional accreditations by MD (261)

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

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

WORK ORDER
Chain of Custody

Client: Veolia Middletown

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

2318576



PWSID: 7220038

Collected By :

(Full Name)

Chris Hannan

Comments: _____

2318576-01 701 Middletown WWTP

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date/Time: *5-16-23 0927*PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThioLoc ID: 701 *76***2318576-02 703 North Union Street Booster Station**

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date/Time: *5-16-23 0847*PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThioLoc ID: 703 *76***2318576-03 707 Main St & Cathererine St. Hydrant**

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date/Time: *5-16-23 0913*PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThioLoc ID: 707 *88**FRIDGE 0.2**Chris Hannan*

Relinquished By

5-16-23 0928

Date/Time

FRIDGE

Received By

5-16-23 0928

Date/Time

FRIDGE

Relinquished By

5/16/23 1140

Date/Time

Received By

5/16/23 1140

Date/Time

Relinquished By

Date/Time

Received at Laboratory By

Date/Time

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

Page 1 of 1

Printed: 5/9/2023 8:51:59AM

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	<i>1.2</i>
Samples on Ice?	☒ Yes ☐ No ☐ NA
Approved By:	<i>cmr</i>
Entered By:	<i>cmr</i>

Report Template

Page 2 of 7



E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	701		051623	D	0927	06003	2318576-01	KISTLERC_435
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	703		051623	D	0847	06003	2318576-02	KISTLERC_436
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051023	704		050923	D	0830	06003	2317722-01	KISTLERC_129
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051023	705		050923	D	0811	06003	2317722-02	KISTLERC_130
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	707		051623	D	0913	06003	2318576-03	KISTLERC_437

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_533
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_554
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_581
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_604
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_625
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_646
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_667
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_688
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_709
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_730

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_751
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_772
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_793
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_814
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_835
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_856
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_877
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_898
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_919
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_940
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_961
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_534
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_555
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_582
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_605
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_626
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_647
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_668
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_689
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_710



E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_731
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_752
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_773
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_794
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0014	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_816
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_836
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.00050	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_858
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_878
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_899
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_920
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_941
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_962
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_535
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_556
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_583
7220038	2964	DICHLROMETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_606
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_627
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_648
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_669
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_690



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	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 711
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 732
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 753
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 774
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 795
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 815
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 837
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 857
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 879
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 900
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 921
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 942
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 963



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2318575

Reported: 05/30/23

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: 2318575-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 05/16/23 09:29 **Received:** 05/16/23 14:11
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	204	mg CaCO ₃ /L	20	SM 2320 B	05/17/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	319	mg/l	4.56	CALCULATED	05/17/23		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	05/18/23		JMW	N/A N/A	
Silica as SiO ₂	20.0	mg/l	2.14	CALCULATED	05/17/23		HRG	N/A N/A	
Conductivity	689	umhos/cm	1	SM 2510 B	05/23/23		RXN	N/A N/A	
Total Metals									
Calcium	99	mg/l	1	EPA 200.7 Rev 4.4	05/17/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	05/18/23		HRG	N/A 0.3	PASS
Magnesium	17.5	mg/l	0.5	EPA 200.7 Rev 4.4	05/17/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	05/17/23		MPB	N/A 0.05	PASS
Silicon	9.4	mg/l	1.0	EPA 200.7 Rev 4.4	05/17/23		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
2318575-01			
SM 4500-P F	SM 4500-P B	05/17/2023	SNF



107 Angelica Street Reading, PA 19611 (610) 374-5129 fax (610) 374-7234

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NELAC accreditations for various drinking water, wastewater and solid & chemical materials analytes.
Additional accreditations by MD (261)



M.J. Reider Associates, Inc.

107 Angelica St, Reading PA, 19611
610-374-5129 www.mjreider.com

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

WORK ORDER Chain of Custody

Client: Veolia Middletown

Project: DW-Weekly WWTP Water Lab Sink

2318575



Collected By :
(Full Name)

Chris Hannan

Comments: _____

2318575-01 WWTP Lab Sink

Alk SM 2320B, Ca EPA 200.7, Fe EPA 200.7, Hardness EPA 200.7 CALC, Mg EPA 200.7, Mn EPA 200.8, PO4 SM 4500P-F, Silica as SiO2 EPA 200.7 CALC, Sp Cond SM 2510B, Si EPA 200.7

Matrix: Drinking Water

Type: Grab

Date/Time: 5-16-23 0929

A - PI 500ml NP, minimal hdspc

B - PI 500ml HNO3

C - PI 500ml H2SO4

FRIDGE 0.7
PH 7.9
TEMP 20
TDS 234
Ch2 0.76

Chris Hannan

Relinquished By

5-16-23 0931

Date/Time

FRIDGE

Relinquished By

5/16/23 1140

Date/Time

Relinquished By

Date/Time

FRIDGE

Received By

5-16-23 0931

Date/Time

5/16/23 1140

Date/Time

5/16/23 1411

Date/Time

Received at Laboratory By

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

Page 1 of 1

Printed: 5/9/2023 8:51:56AM

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	0.4
Samples on Ice?	Yes No NA
Approved By:	Chris
Entered By:	Chris

Report Template

Page 2 of 3



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2319432

Reported: 06/01/23

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: 2319432-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 05/23/23 08:21 **Received:** 05/23/23 13:35
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	5/23/23 17:28	5/24/23 11:36		RMB	N/A 1

Lab ID: 2319432-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 05/23/23 08:07 **Received:** 05/23/23 13:35
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	5/23/23 17:28	5/24/23 11:36		RMB	N/A 1



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Additional accreditations by MD (261)

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

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

WORK ORDER
Chain of Custody

Client: Veolia Middletown

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

2319432



PWSID: 7220038

Collected By :

(Full Name)

CHRIS HANNAN

Comments: _____

2319432-01 704 Village of Pineford Office

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date/Time: 5-23-23 0821PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThio

Loc ID: 704

51

2319432-02 705 High Street Standpipe

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date/Time: 5-23-23 0807PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThio

Loc ID: 705

95

FRIDGE 2.1

CHRIS HANNAN

Relinquished By

5-23-23 0835

Date/Time

FRIDGE

Received By

5-23-23 0835

Date/Time

FRIDGE

Relinquished By

5/23/23 1040

Date/Time

Received By

5/23/23 1040

Date/Time

Relinquished By

Date/Time

Received at Laboratory By

5/23/23 1335

Date/Time

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

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	1.4
Samples on Ice?	Yes No NA
Approved By:	<u>[Signature]</u>
Entered By:	<u>[Signature]</u>

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	701		051623	D	0927	06003	2318576-01	KISTLERC_435
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	703		051623	D	0847	06003	2318576-02	KISTLERC_436
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051023	704		050923	D	0830	06003	2317722-01	KISTLERC_129
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	052423	704		052323	D	0821	06003	2319432-01	KISTLERC_1177
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051023	705		050923	D	0811	06003	2317722-02	KISTLERC_130
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	052423	705		052323	D	0807	06003	2319432-02	KISTLERC_1178
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	707		051623	D	0913	06003	2318576-03	KISTLERC_437

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1237
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1250
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1263
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1276
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1289
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		041823	100		040623	E	0740	06003	2312416-01	KISTLERC_1303
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		040823	100		040623	E	0740	06003	2312416-01	KISTLERC_1317
7220038	2035	DI (2-ETHYLHEXYL) ADIPATE (SOC)	222	0.0	0.00200		042423	100		040623	E	0740	06003	2312416-01	KISTLERC_1330

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1343
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		042423	100		040623	E	0740	06003	2312416-01	KISTLERC_1356
7220038	2039	DI (2-ETHYLHEXYL) PHTHALATE (S	222	0.0	0.00500		042423	100		040623	E	0740	06003	2312416-01	KISTLERC_1369
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1382
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1395
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1408
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1421
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		042423	100		040623	E	0740	06003	2312416-01	KISTLERC_1434
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1447
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1460
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1473
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1486
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1499
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1512
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		042423	100		040623	E	0740	06003	2312416-01	KISTLERC_1525
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1538
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_533
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_554
7220038	2383	PCBS (SOC)	225	0.0	0.00008		041523	100		040623	E	0740	06003	2312416-01	KISTLERC_1560
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1572



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	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1585
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_581
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1602
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_604
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_625
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_646
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_667
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_688
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_709
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_730
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_751
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_772
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_793
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_814
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_835
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_856
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_877
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_898
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_919
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_940



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	2996	STYRENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_961
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_534
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_555
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_582
7220038	2964	DICHLROMETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_605
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_626
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_647
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_668
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_689
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_710
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_731
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_752
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_773
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_794
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0014	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_816
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_836
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.00050	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_858
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_878
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_899
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_920



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	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 941
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 962
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		051823	105		051023	E	0749	06003	2318007-01	KISTLERC_ 1305
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 535
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 556
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 583
7220038	2964	DICHLROMETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 606
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 627
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 648
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 669
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 690
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 711
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 732
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 753
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 774
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 795
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 815
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 837
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 857
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 879



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	2990	BENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_900
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_921
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_942
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_963
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		041523	106		040623	E	0810	06003	2312421-01RE1	KISTLERC_1238
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1251
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		041523	106		040623	E	0810	06003	2312421-01RE1	KISTLERC_1264
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1277
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_1290
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		041823	106		040623	E	0810	06003	2312421-01	KISTLERC_1304
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		040823	106		040623	E	0810	06003	2312421-01	KISTLERC_1318
7220038	2035	DI (2-ETHYLHEXYL) ADIPATE (SOC	222	0.0	0.00200		042423	106		040623	E	0810	06003	2312421-01	KISTLERC_1331
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		041323	106		040623	E	0810	06003	2312421-01	KISTLERC_1344
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		042423	106		040623	E	0810	06003	2312421-01	KISTLERC_1357
7220038	2039	DI (2-ETHYLHEXYL) PHTHALATE (S	222	0.0	0.00500		042423	106		040623	E	0810	06003	2312421-01	KISTLERC_1370
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_1383
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_1396
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1409
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		041323	106		040623	E	0810	06003	2312421-01	KISTLERC_1422
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		042423	106		040623	E	0810	06003	2312421-01	KISTLERC_1435



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1448
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1461
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1474
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_1487
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_1500
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1513
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		042423	106		040623	E	0810	06003	2312421-01	KISTLERC_1526
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_1539
7220038	2383	PCBS (SOC)	225	0.0	0.00008		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1559
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		041323	106		040623	E	0810	06003	2312421-01	KISTLERC_1573
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		041323	106		040623	E	0810	06003	2312421-01	KISTLERC_1586
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1603



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2319431

Reported: 05/31/23

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: 2319431-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 05/23/23 08:36 **Received:** 05/23/23 13:35
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	202	mg CaCO ₃ /L	20	SM 2320 B	05/25/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	355	mg/l	4.56	CALCULATED	05/24/23		HRG	N/A N/A	
Phosphorus as P, Total	0.07	mg/l	0.01	SM 4500-P F	05/24/23		JMW	N/A N/A	
Silica as SiO ₂	23.0	mg/l	2.14	CALCULATED	05/26/23		HRG	N/A N/A	
Conductivity	743	umhos/cm	1	SM 2510 B	05/30/23		RXN	N/A N/A	
Total Metals									
Calcium	110	mg/l	1	EPA 200.7 Rev 4.4	05/24/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	05/25/23		HRG	N/A 0.3	PASS
Magnesium	19.2	mg/l	0.5	EPA 200.7 Rev 4.4	05/24/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	05/24/23		MPB	N/A 0.05	PASS
Silicon	10.8	mg/l	1.0	EPA 200.7 Rev 4.4	05/26/23		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
2319431-01			
SM 4500-P F	SM 4500-P B	05/23/2023	JMW



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Additional accreditations by MD (261)



M.J. Reider Associates, Inc.

107 Angelica St, Reading PA, 19611
610-374-5129 www.mjreider.com

WORK ORDER Chain of Custody

2319431



Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

Client: Veolia Middletown

Project: DW-Weekly WWTP Water Lab Sink

Collected By :
(Full Name)

CHRIS HANNAN

Comments: _____

2319431-01 WWTP Lab Sink

Matrix: Drinking Water

Type: Grab

Date/Time: 5-23-23 0836

Alk SM 2320B, Ca EPA 200.7, Fe EPA 200.7, Hardness EPA 200.7 CALC, Mg EPA 200.7, Mn EPA 200.8, PO4 SM 4500P-F, Silica as SiO2 EPA 200.7 CALC, Sp Cond SM 2510B, Si EPA 200.7

A - PI 500ml NP, minimal hdspe
B - PI 500ml HNO3
C - PI 500ml H2SO4

FRIDGE 2.1
PH 7.8
TEMP 21
TDS 250
Chl 0.70

CHRIS HANNAN

Relinquished By

5-23-23 0838

Date/Time

FRIDGE

Relinquished By

5/23/23 1040

Date/Time

Relinquished By

Date/Time

FRIDGE

Received By

5-23-23 0838

Date/Time

5/23/23 1040

Date/Time

5/23/23 1335

Date/Time

Received at Laboratory By

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

Sample Kit Prepared By: <i>cm</i>	Date/Time
Sample Temp (°C): <i>1.4</i>	
Samples on Ice? <i>Yes</i>	No NA
Approved By: <i>Jgm</i>	
Entered By:	



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2320363

Reported: 06/07/23

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: 2320363-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 05/30/23 09:35 **Received:** 05/30/23 13:50
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	20	SM 2320 B	05/31/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	353	mg/l	4.56	CALCULATED	05/31/23		HRG	N/A N/A	
Phosphorus as P, Total	0.07	mg/l	0.01	SM 4500-P F	05/31/23		JMW	N/A N/A	
Silica as SiO ₂	22.1	mg/l	2.14	CALCULATED	05/31/23		HRG	N/A N/A	
Conductivity	747	umhos/cm	1	SM 2510 B	06/05/23		RXN	N/A N/A	
Total Metals									
Calcium	113	mg/l	1	EPA 200.7 Rev 4.4	05/31/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	06/02/23		HRG	N/A 0.3	PASS
Magnesium	17.2	mg/l	0.5	EPA 200.7 Rev 4.4	05/31/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	05/31/23		MPB	N/A 0.05	PASS
Silicon	10.3	mg/l	1.0	EPA 200.7 Rev 4.4	05/31/23		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
2320363-01			
SM 4500-P F	SM 4500-P B	05/30/2023	JMW



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Additional accreditations by MD (261)

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

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

WORK ORDER
Chain of Custody

2320363



Client: Veolia Middletown

Project: DW-Weekly WWTP Water Lab Sink

Collected By :
(Full Name)*Chris Hannan*

Comments: _____

2320363-01 WWTP Lab Sink

Alk SM 2320B, Ca EPA 200.7, Fe EPA 200.7, Hardness EPA 200.7 CALC, Mg EPA 200.7, Mn EPA 200.8, PO4 SM 4500P-F, Si EPA 200.7, Silica as SiO2 EPA 200.7 CALC, Sp Cond SM 2510B

Matrix: Drinking Water

Type: Grab

Date/Time: 5-30-23 0935

A - PI 500ml NP, minimal hdspc

B - PI 500ml HNO3

C - PI 500ml H2SO4

FITZGER 0.9
PH 8.0
TEMP 21
TDS 262
*Chl 0.74**Chris Hannan*

Relinquished By

5-30-23 0937

Date/Time

Relinquished By

Relinquished By

Date/Time

*JCR 5/30/23 1050**FITZGER*

Received By

5-30-23 0937

Date/Time

Received By

5/30/23 1050

Date/Time

Received at Laboratory By

5/30/23 1350

Date/Time

Sample Kit Prepared By:	Date/Time
<i>JCR</i>	
Sample Temp (°C):	3.6
Samples on Ice?	(Yes) No NA
Approved By:	<i>JCR</i>
Entered By:	<i>JCR</i>

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

M.J. Reider Associates, Inc.**MJRA Terms & Conditions**

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

Sample Submission, Sample Acceptance & Sampling Containers

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

Turnaround Times (TAT)

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

Analytical Results, Sample Collection Integrity & Subcontracting

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

Payment Terms

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

Warranty & Litigation

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

Reviewed and Approved by:



Christina M Kistler
Project Manager



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.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2317720

Reported: 05/22/23

Lab Contact: Christina M Kistler

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

Project: DW-Annual VOCS
7220038

Lab ID: 2317720-01 **Collected By:** Client
Sample Desc: 100 Entry Point Well #1

Sampled: 05/08/23 07:25 **Received:** 05/09/23 13:50
PADEP Type: E-Entry Point

Notes:

PWSID: 7220038

Loc ID: 100

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
Volatiles								
1,1,1-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.2
1,1,2-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.005
1,1-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.007
1,2,4-Trichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.07
1,2-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.6
1,2-Dichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.005
1,2-Dichloropropane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.005
1,4-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.075
Benzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.005
Carbon Tetrachloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.005
Chlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.1
Cis-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.07
Ethylbenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.7
Methylene Chloride (Dichloromethane)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.005
Styrene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.1
Tetrachloroethene (PCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.005
Toluene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 1
Trans-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.1
Trichloroethene (TCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.005
Vinyl Chloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 0.002
Xylenes, Total	<0.0010	mg/l	0.0010	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	N/A 10
Surrogates								
1,2-Dichlorobenzene-d4	100%		70-130	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	
4-Bromofluorobenzene	101%		70-130	EPA 524.2 Rev 4.1	05/12/23	V-06	WJS	



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M.J. Reider Associates, Inc.

Lab ID: 2317720-02 **Collected By:** Client **Sampled:** 05/08/23 09:35 **Received:** 05/09/23 13:50
Sample Desc: 102 Entry Point Well #2 **PADEP Type:** E-Entry Point
Notes: **PWSID:** 7220038 **Loc ID:** 102

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
Volatiles								
1,1,1-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.2
1,1,2-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.005
1,1-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.007
1,2,4-Trichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.07
1,2-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.6
1,2-Dichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.005
1,2-Dichloropropane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.005
1,4-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.075
Benzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.005
Carbon Tetrachloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.005
Chlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.1
Cis-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.07
Ethylbenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.7
Methylene Chloride (Dichloromethane)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.005
Styrene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.1
Tetrachloroethene (PCE)	0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.005
Toluene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 1
Trans-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.1
Trichloroethene (TCE)	0.0014	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.005
Vinyl Chloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 0.002
Xylenes, Total	<0.0010	mg/l	0.0010	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	N/A 10
Surrogates								
1,2-Dichlorobenzene-d4	103%		70-130	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	
4-Bromofluorobenzene	99.8%		70-130	EPA 524.2 Rev 4.1	05/15/23	V-06a	WJS	

Lab ID: 2317720-04 **Collected By:** Client **Sampled:** 05/08/23 08:54 **Received:** 05/09/23 13:50
Sample Desc: 105 Entry Point Well #5 **PADEP Type:** E-Entry Point
Notes: **PWSID:** 7220038 **Loc ID:** 105

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
Volatiles								
1,1,1-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.2
1,1,2-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.005
1,1-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.007
1,2,4-Trichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.07



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M.J. Reider Associates, Inc.

Lab ID: 2317720-04 Continued

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
Volatiles								
1,2-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.6
1,2-Dichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.005
1,2-Dichloropropane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.005
1,4-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.075
Benzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.005
Carbon Tetrachloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.005
Chlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.1
Cis-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.07
Ethylbenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.7
Methylene Chloride (Dichloromethane)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.005
Styrene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.1
Tetrachloroethene (PCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.005
Toluene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 1
Trans-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.1
Trichloroethene (TCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.005
Vinyl Chloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 0.002
Xylenes, Total	<0.0010	mg/l	0.0010	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	N/A 10
Surrogates								
1,2-Dichlorobenzene-d4	104%		70-130	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	
4-Bromofluorobenzene	101%		70-130	EPA 524.2 Rev 4.1	05/15/23	V-06b	WJS	

Lab ID: 2317720-05 **Collected By:** Client **Sampled:** 05/08/23 09:35 **Received:** 05/09/23 13:50
Sample Desc: 102 Entry Point Well #2 TRIP BLANK **PADEP Type:** E-Entry Point
Notes: **PWSID:** 7220038 **Loc ID:** 102
Comments: Trip Blank for 2317720-02

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
Volatiles								
Tetrachloroethene (PCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/23		WJS	N/A 0.005
Trichloroethene (TCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/23		WJS	N/A 0.005
Surrogates								
1,2-Dichlorobenzene-d4	101%		70-130	EPA 524.2 Rev 4.1	05/16/23		WJS	
4-Bromofluorobenzene	99.6%		70-130	EPA 524.2 Rev 4.1	05/16/23		WJS	



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M.J. Reider Associates, Inc.

Notes and Definitions

- V-06b The following primary contaminant(s) were identified but not requested: Dibromochloromethane, and Bromoform.
- V-06a The following primary contaminant(s) were identified but not requested: Chloroform
- V-06 The following primary contaminant(s) were identified but not requested: Bromodichloromethane, Dibromochloromethane



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

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

**WORK ORDER
Chain of Custody**

Client: Veolia Middletown

Project: DW-Annual VOCS

2317720



PWSID: 7220038

Collected By:

(Full Name)

Chris Hannan

Comments:

2317720-01 100 Entry Point Well #1

Matrix: Drinking Water

Type: Grab

Date/Time: 5-8-23 0729

VOA-21 EPA 524.2

PA DEP Sample Type: E-Entry Point

Loc ID: 100

A - Vial 40ml Asc & HCL (pH<2), zero hdspc

B - Vial 40ml Asc & HCL (pH<2), zero hdspc

C - Vial 40ml Asc & HCL (pH<2), zero hdspc

D - Vial 40ml Asc & HCL (pH<2), zero hdspc

E - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspc

F - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspc

2317720-02 102 Entry Point Well #2

Matrix: Drinking Water

Type: Grab

Date/Time: 5-8-23 0935

VOA-21 EPA 524.2

PA DEP Sample Type: E-Entry Point

Loc ID: 102

A - Vial 40ml Asc & HCL (pH<2), zero hdspc

B - Vial 40ml Asc & HCL (pH<2), zero hdspc

C - Vial 40ml Asc & HCL (pH<2), zero hdspc

D - Vial 40ml Asc & HCL (pH<2), zero hdspc

E - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspc

F - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspc

2317720-03 104 Entry Point Well #4

Matrix: Drinking Water

Type: Grab

Date/Time: 5-8-23 0935

VOA-21 EPA 524.2

PA DEP Sample Type: E-Entry Point

Loc ID: 104

A - Vial 40ml Asc & HCL (pH<2), zero hdspc

B - Vial 40ml Asc & HCL (pH<2), zero hdspc

C - Vial 40ml Asc & HCL (pH<2), zero hdspc

D - Vial 40ml Asc & HCL (pH<2), zero hdspc

E - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspc

F - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspc

Chris Hannan

Relinquished By

5-8-23 1607

Date/Time

Fridge

Received By

5-8-23 1607

Date/Time

NP

Relinquished By

5/9/23 1014

Date/Time

Received By

5/9/23 1014

Date/Time

Relinquished By

Date/Time

Received at Laboratory By

5/9/23 1350

Date/Time

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

Page 1 of 2

Printed: 5/2/2023 11:28:23AM

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	1.4
Samples on Ice?	Yes No NA
Approved By:	<i>cm</i>
Entered By:	<i>Wm</i>

Report Template

Page 5 of 11



M.J. Reider Associates, Inc.

Client Code: 4085
Project Manager: Christina M Kistler

Client: Veolia Middletown
Project: DW-Annual VOCS

2317720

PWSID: 7220038

Collected By : Christina Kistler
(Full Name)

Comments: _____

2317720-04 105 Entry Point Well #5

Matrix: Drinking Water

Type: Grab

Date/Time: 5-8-23 0854

VOA-21 EPA 524.2

PA DEP Sample Type: E-Entry Point

Loc ID: 105

- A - Vial 40ml Asc & HCL (pH<2), zero hdspe
- B - Vial 40ml Asc & HCL (pH<2), zero hdspe
- C - Vial 40ml Asc & HCL (pH<2), zero hdspe
- D - Vial 40ml Asc & HCL (pH<2), zero hdspe
- E - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspe
- F - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspe

Frige 0.5

Christina Kistler

Relinquished By

5-8-23 1007

Date/Time

Frige

Received By

5-8-23 1007

Date/Time

NP

Relinquished By

5/9/23 1014

Date/Time

Received By

5/9/23 1014

Date/Time

Relinquished By

Date/Time

Received at Laboratory By

5/9/23 1350

Date/Time

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

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	<u>1.4</u>
Samples on Ice?	☒ Yes ☐ No ☐ NA
Approved By:	<u>CMK</u>
Entered By:	<u>IMK</u>

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	701		051623	D	0927	06003	2318576-01	KISTLERC_435
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	703		051623	D	0847	06003	2318576-02	KISTLERC_436
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051023	704		050923	D	0830	06003	2317722-01	KISTLERC_129
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051023	705		050923	D	0811	06003	2317722-02	KISTLERC_130
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	707		051623	D	0913	06003	2318576-03	KISTLERC_437

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_533
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_554
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_581
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_604
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_625
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_646
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_667
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_688
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_709
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_730

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_751
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_772
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_793
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_814
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_835
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_856
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_877
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_898
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_919
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_940
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_961
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_534
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_555
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_582
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_605
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_626
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_647
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_668
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_689
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_710



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	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 731
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 752
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 773
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 794
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0014	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 816
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 836
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.00050	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 858
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 878
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 899
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 920
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 941
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_ 962
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 535
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 556
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 583
7220038	2964	DICHLROMETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 606
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 627
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 648
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 669
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 690



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	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 711
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 732
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 753
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 774
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 795
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 815
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 837
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 857
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 879
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 900
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 921
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 942
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_ 963



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2316694

Reported: 06/13/23

Lab Contact: Christina M Kistler

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

Project: DW-Annual SOC
7220038

Lab ID: 2316694-01 **Collected By:** Client
Sample Desc: 100 Entry Point Well #1
Notes:

Sampled: 05/02/23 08:05 **Received:** 05/02/23 14:11
PADEP Type: E-Entry Point
PWSID: 7220038 **Loc ID:** 100

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
Organics								
Benzo(a)pyrene	<0.0002	mg/l	0.0002	EPA 525.2 Rev 2.0	06/01/23		EJR	N/A 0.0002
Surrogates								
1,3-Dimethyl-2-nitrobenzene	92.4%		70-130	EPA 525.2 Rev 2.0	06/01/23		EJR	
Perylene-d12	87.0%		70-130	EPA 525.2 Rev 2.0	06/01/23		EJR	
p-Terphenyl-d14	110%		70-300	EPA 525.2 Rev 2.0	06/01/23		EJR	
Pyrene-d10	106%		70-130	EPA 525.2 Rev 2.0	06/01/23		EJR	
Triphenylphosphate	95.2%		70-130	EPA 525.2 Rev 2.0	06/01/23		EJR	

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2316694-01			
EPA 525.2 Rev 2.0	EPA 525.2 Rev 2.0	05/12/2023	BKM



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.**107 Angelica St, Reading PA, 19611
610-374-5129 www.mjreider.com

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

WORK ORDER
Chain of Custody

Client: Veolia Middletown

Project: DW-Annual SOC

2316694



PWSID: 7220038

Collected By :
(Full Name)Chris Hannan

Comments: _____

2316694-01 100 Entry Point Well #1

Matrix: Drinking Water

Type: Grab

Date/Time: 5-2-23 0805

Semi-VOA EPA 525.2 Short List

PA DEP Sample Type: E-Entry Point

Loc ID: 100

A - AG Liter NM Na2SO3 & HCL

B - AG Liter NM Na2SO3 & HCL

C - AG TRIP BLANK Liter NM Na2SO3 & HCL

Fridge - 0.6Chris Hannan

Relinquished By

5-2-23 0809
Date/TimeIce Cooler

Received By

5-2-23 0809
Date/TimeNP

Relinquished By

5/2/23 1106
Date/Time

Received By

5/2/23 1106
Date/Time

Relinquished By

Date/Time

Received at Laboratory By

5/2/23 1411
Date/Time

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

Page 1 of 1

Printed: 4/25/2023 9:15:53AM

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	<u>1.6</u>
Samples on Ice?	☒ Yes ☐ No ☐ NA
Approved By:	<u>cm</u>
Entered By:	<u>LMW</u>

Report Template: v

Page 2 of 4



E-Government Application for Drinking Water
Program
SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN													
SDWA1													
PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	060823	701		060723	D	0852	06003	2321212-01	KISTLERC_295
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	060823	703		060723	D	0816	06003	2321212-02	KISTLERC_296
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	060823	706		060723	D	0835	06003	2321212-03	KISTLERC_297

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		060123	100		050223	E	0805	06003	2316694-01	KISTLERC_771



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2316696

Reported: 05/11/23

Lab Contact: Christina M Kistler

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

Project: DW-Quarterly VOCS
7220038

Lab ID: 2316696-02 **Collected By:** Client
Sample Desc: 106 Entry Point Well #6

Sampled: 05/02/23 08:28 **Received:** 05/02/23 14:11
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
Volatiles									
1,1,1-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.2	PASS
1,1,2-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.005	PASS
1,1-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.007	PASS
1,2,4-Trichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.07	PASS
1,2-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.6	PASS
1,2-Dichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.005	PASS
1,2-Dichloropropane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.005	PASS
1,4-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.075	PASS
Benzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.005	PASS
Carbon Tetrachloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.005	PASS
Chlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.1	PASS
Cis-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.07	PASS
Ethylbenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.7	PASS
Methylene Chloride (Dichloromethane)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.005	PASS
Styrene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.1	PASS
Tetrachloroethene (PCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.005	PASS
Toluene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 1	PASS
Trans-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.1	PASS
Trichloroethene (TCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.005	PASS
Vinyl Chloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 0.002	PASS
Xylenes, Total	<0.0010	mg/l	0.0010	EPA 524.2 Rev 4.1	05/05/23		WJS	N/A 10	PASS
Surrogates									
1,2-Dichlorobenzene-d4	80.8%		70-130	EPA 524.2 Rev 4.1	05/05/23		WJS		
4-Bromofluorobenzene	102%		70-130	EPA 524.2 Rev 4.1	05/05/23		WJS		



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Additional accreditations by MD (261)

M.J. Reider Associates, Inc.

Notes and Definitions

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



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Additional accreditations by MD (261)

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

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

WORK ORDER
Chain of Custody

2316696

Collected By: CHRIS HANNAN
(Full Name)

Comments: _____

2316696-01 103 Entry Point Well #3

VOA-21 EPA 524.2

O/S

Matrix: Drinking Water

Type: Grab

Date/Time: 5-2-23 0832

- A - Vial 40ml Asc & HCL (pH<2), zero hdspe
- B - Vial 40ml Asc & HCL (pH<2), zero hdspe
- C - Vial 40ml Asc & HCL (pH<2), zero hdspe
- D - Vial 40ml Asc & HCL (pH<2), zero hdspe
- E - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspe
- F - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspe

2316696-02 106 Entry Point Well #6

VOA-21 EPA 524.2

Matrix: Drinking Water

Type: Grab

Date/Time: 5-2-23 0828

- A - Vial 40ml Asc & HCL (pH<2), zero hdspe
- B - Vial 40ml Asc & HCL (pH<2), zero hdspe
- C - Vial 40ml Asc & HCL (pH<2), zero hdspe
- D - Vial 40ml Asc & HCL (pH<2), zero hdspe
- E - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspe
- F - Vial TRIP BLANK 40ml Asc & HCL (pH<2), zero hdspe

Fridge - 0.6

CHRIS HANNANRelinquished By Date/Time 5-2-23 0832Relinquished By NP Date/Time 5/2/23 1106

Relinquished By Date/Time

Ice CoolerReceived By Date/Time 5-2-23 0832Received By [Signature] Date/Time 5/2/23 1106Received at Laboratory By [Signature] Date/Time 5/2/23 1411

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

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	<u>1.6</u>
Samples on Ice?	☒ Yes ☐ No ☐ NA
Approved By:	<u>cm</u>
Entered By:	<u>[Signature]</u>



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042023	701		041923	D	0905	06003	2314515-01	KISTLERC_993
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	050323	701		050223	D	0928	06003	2316698-01	KISTLERC_2242
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042023	703		041923	D	0825	06003	2314515-02	KISTLERC_994
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	050323	703		050223	D	0902	06003	2316698-02	KISTLERC_2243
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	041223	704		041123	D	0854	06003	2313480-01	KISTLERC_193
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042623	704		042523	D	0831	06003	2315608-01	KISTLERC_1714
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	041223	705		041123	D	0802	06003	2313480-02	KISTLERC_194
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042623	705		042523	D	0817	06003	2315608-02	KISTLERC_1715
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042023	706		041923	D	0842	06003	2314515-03	KISTLERC_995
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	050323	707		050223	D	0916	06003	2316698-03	KISTLERC_2244

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1040	NITRATE	120	2.78	1.00000		050223	100		050223	E	0805	06003	2316693-01	KISTLERC_2286
7220038	1041	NITRITE	120	0.0	0.10000		050223	100		050223	E	0805	06003	2316693-01	KISTLERC_2302
7220038	1040	NITRATE	120	3.68	1.00000		050223	102		050223	E	0804	06003	2316693-02	KISTLERC_2288
7220038	1041	NITRITE	120	0.0	0.10000		050223	102		050223	E	0804	06003	2316693-02	KISTLERC_2303
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3504



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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	2010	LINDANE (SOC)	225	0.0	0.00010		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3516
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3528
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3540
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		041923	102		040523	E	0815	06003	2312417-01	KISTLERC_3555
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		041823	102		040523	E	0815	06003	2312417-01	KISTLERC_3567
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		040823	102		040523	E	0815	06003	2312417-01	KISTLERC_3578
7220038	2035	DI (2-ETHYLHEXYL) ADIPATE (SOC	222	0.0	0.00200		041423	102		040523	E	0815	06003	2312417-01	KISTLERC_3590
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		041523	102		040523	E	0815	06003	2312417-01RE1	KISTLERC_3602
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		041423	102		040523	E	0815	06003	2312417-01	KISTLERC_3613
7220038	2039	DI (2-ETHYLHEXYL) PHTHALATE (S	222	0.0	0.00500		041423	102		040523	E	0815	06003	2312417-01	KISTLERC_3626
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		041923	102		040523	E	0815	06003	2312417-01	KISTLERC_3644
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		041923	102		040523	E	0815	06003	2312417-01	KISTLERC_3659
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3671
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		041523	102		040523	E	0815	06003	2312417-01RE1	KISTLERC_3684
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		041423	102		040523	E	0815	06003	2312417-01	KISTLERC_3695
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3709
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3721
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3733
7220038	2105	2,4 - D (SOC)	203	0.0	0.00100		041923	102		040523	E	0815	06003	2312417-01	KISTLERC_3748
7220038	2110	2,4,5 - TP SILVEX (SOC)	203	0.0	0.00025		041923	102		040523	E	0815	06003	2312417-01	KISTLERC_3763



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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	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3775
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		041423	102		040523	E	0815	06003	2312417-01	KISTLERC_3787
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		041923	102		040523	E	0815	06003	2312417-01	KISTLERC_3802
7220038	2383	PCBS (SOC)	225	0.0	0.00008		041523	102		040523	E	0815	06003	2312417-01	KISTLERC_3832
7220038	2931	1,2-DIBROMO,3-CHLOROPROP(SOC)	219	0.0	0.00002		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3843
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3855
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		041323	102		040523	E	0815	06003	2312417-01	KISTLERC_3875
7220038	1040	NITRATE	120	3.71	1.00000		050223	105		050223	E	0847	06003	2316693-04	KISTLERC_2289
7220038	1041	NITRITE	120	0.0	0.10000		050223	105		050223	E	0847	06003	2316693-04	KISTLERC_2304
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		041523	105		040623	E	0836	06003	2312420-01RE1	KISTLERC_3505
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		041423	105		040623	E	0836	06003	2312420-01	KISTLERC_3517
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		041523	105		040623	E	0836	06003	2312420-01RE1	KISTLERC_3529
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		041423	105		040623	E	0836	06003	2312420-01	KISTLERC_3541
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		041923	105		040623	E	0836	06003	2312420-01	KISTLERC_3556
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		040823	105		040623	E	0836	06003	2312420-01	KISTLERC_3579
7220038	2035	DI (2-ETHYLHEXYL) ADIPATE (SOC	222	0.0	0.00200		042223	105		040623	E	0836	06003	2312420-01	KISTLERC_3591
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		041323	105		040623	E	0836	06003	2312420-01	KISTLERC_3601
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		042223	105		040623	E	0836	06003	2312420-01	KISTLERC_3614
7220038	2039	DI (2-ETHYLHEXYL) PHTHALATE (S	222	0.0	0.00500		042223	105		040623	E	0836	06003	2312420-01	KISTLERC_3627
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		041923	105		040623	E	0836	06003	2312420-01	KISTLERC_3645



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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	2041	DINOSEB (SOC)	203	0.0	0.00100		041923	105		040623	E	0836	06003	2312420-01	KISTLERC_3660
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		041423	105		040623	E	0836	06003	2312420-01	KISTLERC_3672
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		041323	105		040623	E	0836	06003	2312420-01	KISTLERC_3683
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		042223	105		040623	E	0836	06003	2312420-01	KISTLERC_3696
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		041423	105		040623	E	0836	06003	2312420-01	KISTLERC_3710
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		041423	105		040623	E	0836	06003	2312420-01	KISTLERC_3722
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		041423	105		040623	E	0836	06003	2312420-01	KISTLERC_3734
7220038	2105	2,4 - D (SOC)	203	0.0	0.00100		041923	105		040623	E	0836	06003	2312420-01	KISTLERC_3749
7220038	2110	2,4,5 - TP SILVEX (SOC)	203	0.0	0.00025		041923	105		040623	E	0836	06003	2312420-01	KISTLERC_3764
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		041423	105		040623	E	0836	06003	2312420-01	KISTLERC_3776
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		042223	105		040623	E	0836	06003	2312420-01	KISTLERC_3788
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		041923	105		040623	E	0836	06003	2312420-01	KISTLERC_3803
7220038	2383	PCBS (SOC)	225	0.0	0.00008		041423	105		040623	E	0836	06003	2312420-01	KISTLERC_3831
7220038	2931	1,2-DIBROMO,3-CHLOROPROP(SOC)	219	0.0	0.00002		041323	105		040623	E	0836	06003	2312420-01	KISTLERC_3844
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		041323	105		040623	E	0836	06003	2312420-01	KISTLERC_3856
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		041423	105		040623	E	0836	06003	2312420-01	KISTLERC_3876
7220038	1040	NITRATE	120	3.41	1.00000		050223	106		050223	E	0827	06003	2316693-05	KISTLERC_2287
7220038	1041	NITRITE	120	0.0	0.10000		050223	106		050223	E	0827	06003	2316693-05	KISTLERC_2305
7220038	2378	1,2,4-TRICHLOROBENZE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3812
7220038	2380	cis-1,2-DICHLOROETHYLENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3820

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PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2955	XYLENES (TOTAL)	221	0.0	0.00100		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3864
7220038	2964	DICHLOROMETHANE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3884
7220038	2968	o-DICHLOROBENZENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3892
7220038	2969	PARA-DICHLOROBENZENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3900
7220038	2976	VINYL CHLORIDE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3908
7220038	2977	1,1-DICHLOROETHYLENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3916
7220038	2979	trans-1,2-DICHLOROETHYLENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3924
7220038	2980	1,2-DICHLOROETHANE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3932
7220038	2981	1,1,1-TRICHLOROETHANE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3940
7220038	2982	CARBON TETRACHLORIDE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3948
7220038	2983	1,2-DICHLOROPROPANE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3956
7220038	2984	TRICHLOROETHYLENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3964
7220038	2985	1,1,2-TRICHLOROETHANE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3972
7220038	2987	TETRACHLOROETHYLENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3980
7220038	2989	CHLOROBENZENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3988
7220038	2990	BENZENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_3996
7220038	2991	TOLUENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_4004
7220038	2992	ETHYLBENZENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_4012
7220038	2996	STYRENE	221	0.0	0.00050		050523	106		050223	E	0828	06003	2316696-02	KISTLERC_4020

M.J. Reider Associates, Inc.**MJRA Terms & Conditions**

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

Sample Submission, Sample Acceptance & Sampling Containers

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

Turnaround Times (TAT)

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

Analytical Results, Sample Collection Integrity & Subcontracting

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

Payment Terms

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

Warranty & Litigation

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

Reviewed and Approved by:



Christina M Kistler
Project Manager



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.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2316693

Reported: 05/10/23

Lab Contact: Christina M Kistler

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

Project: DW-Annual Nitrates
7220038

Lab ID: 2316693-01 **Collected By:** Client
Sample Desc: 100 Entry Point Well #1
Notes:

Sampled: 05/02/23 08:05 **Received:** 05/02/23 14:11
PADEP Type: E-Entry Point
PWSID: 7220038 **Loc ID:** 100

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL	
								Min/Max	
General Chemistry									
Nitrate as N	2.78	mg/l	1.00	EPA 300.0 Rev 2.1	05/02/23 17:18		KCS	N/A	10
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/02/23 17:18		KCS	N/A	1

Lab ID: 2316693-02 **Collected By:** Client
Sample Desc: 102 Entry Point Well #2
Notes:

Sampled: 05/02/23 08:04 **Received:** 05/02/23 14:11
PADEP Type: E-Entry Point
PWSID: 7220038 **Loc ID:** 102

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL	
								Min/Max	
General Chemistry									
Nitrate as N	3.68	mg/l	1.00	EPA 300.0 Rev 2.1	05/02/23 17:34		KCS	N/A	10
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/02/23 17:34		KCS	N/A	1

Lab ID: 2316693-04 **Collected By:** Client
Sample Desc: 105 Entry Point Well #5
Notes:

Sampled: 05/02/23 08:47 **Received:** 05/02/23 14:11
PADEP Type: E-Entry Point
PWSID: 7220038 **Loc ID:** 105

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL	
								Min/Max	
General Chemistry									
Nitrate as N	3.71	mg/l	1.00	EPA 300.0 Rev 2.1	05/02/23 17:51		KCS	N/A	10
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/02/23 17:51		KCS	N/A	1

Lab ID: 2316693-05 **Collected By:** Client
Sample Desc: 106 Entry Point Well #6
Notes:

Sampled: 05/02/23 08:27 **Received:** 05/02/23 14:11
PADEP Type: E-Entry Point
PWSID: 7220038 **Loc ID:** 106

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL	
								Min/Max	
General Chemistry									



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Additional accreditations by MD (261)

M.J. Reider Associates, Inc.

Lab ID: 2316693-05 Continued

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
General Chemistry								
Nitrate as N	3.41	mg/l	1.00	EPA 300.0 Rev 2.1	05/02/23 18:08		KCS	N/A 10
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/02/23 18:08		KCS	N/A 1



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NELAC accreditations for various drinking water, wastewater and solid & chemical materials analytes.
Additional accreditations by MD (261)

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

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

WORK ORDER
Chain of Custody

Client: Veolia Middletown

Project: DW-Annual Nitrates

2316693



PWSID: 7220038

Collected By:

(Full Name)

Chris Hannan

Comments: _____

Short Hold Analysis Receipts

NO2-N (4) 103NO3-N (4) 103**2316693-01 100 Entry Point Well #1**

Matrix: Drinking Water

Type: Grab

Date/Time: 5-2-23 0805

NO2-N EPA 300.0, NO3-N EPA 300.0

PA DEP Sample Type: E-Entry Point
A - PI 250ml NP

Loc ID: 100

2316693-02 102 Entry Point Well #2

Matrix: Drinking Water

Type: Grab

Date/Time: 5-2-23 0804

NO2-N EPA 300.0, NO3-N EPA 300.0

PA DEP Sample Type: E-Entry Point
A - PI 250ml NP

Loc ID: 102

2316693-03 104 Entry Point Well #4

Matrix: Drinking Water

Type: Grab

Date/Time: 0/5

NO2-N EPA 300.0, NO3-N EPA 300.0

PA DEP Sample Type: E-Entry Point
A - PI 250ml NP

Loc ID: 104

2316693-04 105 Entry Point Well #5

Matrix: Drinking Water

Type: Grab

Date/Time: 5-2-23 0847

NO2-N EPA 300.0, NO3-N EPA 300.0

PA DEP Sample Type: E-Entry Point
A - PI 250ml NP

Loc ID: 105

2316693-05 106 Entry Point Well #6

Matrix: Drinking Water

Type: Grab

Date/Time: 5-2-23 0827

NO2-N EPA 300.0, NO3-N EPA 300.0

PA DEP Sample Type: E-Entry Point
A - PI 250ml NP

Loc ID: 106

Chris Hannan

Relinquished By

5-2-23 0849

Date/Time

Ice Cooler

Received By

5-2-23 0849

Date/Time

Fribe - 0.4

Sample Kit Prepared By:

Date/Time

NP

Relinquished By

5/2/23 1106

Date/Time

Received By

5/2/23 1106

Date/Time

Sample Temp (°C): 1.6

Samples on Ice?

☒ Yes ☐ No ☐ NA

Approved By:

Entered By:

Relinquished By

Date/Time

Received at Laboratory By

5/2/23 1411

Date/Time

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

Page 1 of 1

Printed: 4/25/2023 9:15:48AM

Report Template

Page 3 of 6



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042023	701		041923	D	0905	06003	2314515-01	KISTLERC_993
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	050323	701		050223	D	0928	06003	2316698-01	KISTLERC_2242
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042023	703		041923	D	0825	06003	2314515-02	KISTLERC_994
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	050323	703		050223	D	0902	06003	2316698-02	KISTLERC_2243
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	041223	704		041123	D	0854	06003	2313480-01	KISTLERC_193
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042623	704		042523	D	0831	06003	2315608-01	KISTLERC_1714
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	041223	705		041123	D	0802	06003	2313480-02	KISTLERC_194
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042623	705		042523	D	0817	06003	2315608-02	KISTLERC_1715
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	042023	706		041923	D	0842	06003	2314515-03	KISTLERC_995
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	050323	707		050223	D	0916	06003	2316698-03	KISTLERC_2244

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1040	NITRATE	120	2.78	1.00000		050223	100		050223	E	0805	06003	2316693-01	KISTLERC_2286
7220038	1041	NITRITE	120	0.0	0.10000		050223	100		050223	E	0805	06003	2316693-01	KISTLERC_2302
7220038	1040	NITRATE	120	3.68	1.00000		050223	102		050223	E	0804	06003	2316693-02	KISTLERC_2288
7220038	1041	NITRITE	120	0.0	0.10000		050223	102		050223	E	0804	06003	2316693-02	KISTLERC_2303
7220038	1040	NITRATE	120	3.71	1.00000		050223	105		050223	E	0847	06003	2316693-04	KISTLERC_2289



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN															
SDWA4															
PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1041	NITRITE	120	0.0	0.10000		050223	105		050223	E	0847	06003	2316693-04	KISTLERC_2304
7220038	1040	NITRATE	120	3.41	1.00000		050223	106		050223	E	0827	06003	2316693-05	KISTLERC_2287
7220038	1041	NITRITE	120	0.0	0.10000		050223	106		050223	E	0827	06003	2316693-05	KISTLERC_2305



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2318007

Reported: 06/01/23

Lab Contact: Christina M Kistler

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

Project: DW-Entry Point 105 Triennial SOCS
7220038

Lab ID: 2318007-01 **Collected By:** Client
Sample Desc: 105 Entry Point Well #5
Notes:
Comments: Resample of 2312420

Sampled: 05/10/23 07:49 **Received:** 05/10/23 13:06
PADEP Type: E-Entry Point
PWSID: 7220038 **Loc ID:** 105

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
Organics								
Diquat	<0.004	mg/l	0.004	EPA 549.2 Rev 1.0	05/18/23		WJS	N/A 0.02

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2318007-01			
EPA 549.2 Rev 1.0	EPA 549.2 Rev 1.0	05/11/2023	BKM



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

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

Client Code: 4085

Project Manager: Christina M Kistler

Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

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M.J. Reider Associates, Inc.

107 Angelica St, Reading PA, 19611
610-374-5129 www.mjreider.com

WORK ORDER

Chain of Custody

Client: Veolia Middletown

Project: DW-Entry Point 105 Triennial SOCS

2318007



PWSID: 7220038

Collected By :
(Full Name)

Comments: _____

2318007-01 105 Entry Point Well #5

Matrix: Drinking Water

Type: Grab

Date/Time: 5-10-23 0749

Sample Comments: Resample of 2312420

PA DEP Sample Type: E-Entry Point

Loc ID: 105

Diquat EPA 549.2

A - Amb Pl Liter NaThio & H2SO4

Frage 0.5

Chris Hansen
Relinquished By

Kaw
1107

S-10-23 0810
Date/Time

Received By FARIS

S-10-23 0810
Date/Time

Date/Time MAY 10 2023 1105

Relinquished By

Date/Time

Received By _____

Date/Time

MAY 10 2023 1306

Relinquished By

Date/Time

Received at Laboratory By _____

Date/Time

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

Page 1 of 1

Printed: 5/4/2023 6:40:03 AM

Sample Kit Prepared By: <i>am</i>	Date/Time
Sample Temp (°C): Samples on Ice? ☒ Yes ☐ No ☐ NA Approved By: <i>Ru</i> Entered By: <i>Am</i>	

Report Temp

Page 2 of 10

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	701		051623	D	0927	06003	2318576-01	KISTLERC_435
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	703		051623	D	0847	06003	2318576-02	KISTLERC_436
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051023	704		050923	D	0830	06003	2317722-01	KISTLERC_129
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	052423	704		052323	D	0821	06003	2319432-01	KISTLERC_1177
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051023	705		050923	D	0811	06003	2317722-02	KISTLERC_130
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	052423	705		052323	D	0807	06003	2319432-02	KISTLERC_1178
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051723	707		051623	D	0913	06003	2318576-03	KISTLERC_437

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1237
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1250
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1263
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1276
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1289
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		041823	100		040623	E	0740	06003	2312416-01	KISTLERC_1303
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		040823	100		040623	E	0740	06003	2312416-01	KISTLERC_1317
7220038	2035	DI (2-ETHYLHEXYL) ADIPATE (SOC)	222	0.0	0.00200		042423	100		040623	E	0740	06003	2312416-01	KISTLERC_1330

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1343
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		042423	100		040623	E	0740	06003	2312416-01	KISTLERC_1356
7220038	2039	DI (2-ETHYLHEXYL) PHTHALATE (S	222	0.0	0.00500		042423	100		040623	E	0740	06003	2312416-01	KISTLERC_1369
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1382
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1395
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1408
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1421
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		042423	100		040623	E	0740	06003	2312416-01	KISTLERC_1434
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1447
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1460
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1473
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1486
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1499
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1512
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		042423	100		040623	E	0740	06003	2312416-01	KISTLERC_1525
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		041923	100		040623	E	0740	06003	2312416-01	KISTLERC_1538
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_533
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_554
7220038	2383	PCBS (SOC)	225	0.0	0.00008		041523	100		040623	E	0740	06003	2312416-01	KISTLERC_1560
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1572



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	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1585
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_581
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		041323	100		040623	E	0740	06003	2312416-01	KISTLERC_1602
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_604
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_625
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_646
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_667
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_688
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_709
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_730
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_751
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_772
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_793
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_814
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_835
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_856
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_877
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_898
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_919
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_940



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	2996	STYRENE (VOC)	221	0.0	0.00050		051223	100		050823	E	0725	06003	2317720-01	KISTLERC_961
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_534
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_555
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_582
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_605
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_626
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_647
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_668
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_689
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_710
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_731
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_752
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_773
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_794
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0014	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_816
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_836
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.00050	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_858
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_878
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_899
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_920



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	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_941
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		051523	102		050823	E	0935	06003	2317720-02	KISTLERC_962
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		051823	105		051023	E	0749	06003	2318007-01	KISTLERC_1305
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_535
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_556
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_583
7220038	2964	DICHLROMETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_606
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_627
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_648
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_669
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_690
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_711
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_732
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_753
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_774
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_795
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_815
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_837
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_857
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_879



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	2990	BENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_900
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_921
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_942
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		051523	105		050823	E	0854	06003	2317720-04	KISTLERC_963
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		041523	106		040623	E	0810	06003	2312421-01RE1	KISTLERC_1238
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1251
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		041523	106		040623	E	0810	06003	2312421-01RE1	KISTLERC_1264
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1277
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_1290
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		041823	106		040623	E	0810	06003	2312421-01	KISTLERC_1304
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		040823	106		040623	E	0810	06003	2312421-01	KISTLERC_1318
7220038	2035	DI (2-ETHYLHEXYL) ADIPATE (SOC	222	0.0	0.00200		042423	106		040623	E	0810	06003	2312421-01	KISTLERC_1331
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		041323	106		040623	E	0810	06003	2312421-01	KISTLERC_1344
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		042423	106		040623	E	0810	06003	2312421-01	KISTLERC_1357
7220038	2039	DI (2-ETHYLHEXYL) PHTHALATE (S	222	0.0	0.00500		042423	106		040623	E	0810	06003	2312421-01	KISTLERC_1370
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_1383
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_1396
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_1409
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		041323	106		040623	E	0810	06003	2312421-01	KISTLERC_1422
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		042423	106		040623	E	0810	06003	2312421-01	KISTLERC_1435



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	2051	ALACHLOR (SOC)	225	0.0	0.00100		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1448
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1461
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1474
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1487
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1500
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1513
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		042423	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1526
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		041923	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1539
7220038	2383	PCBS (SOC)	225	0.0	0.00008		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1559
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		041323	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1573
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		041323	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1586
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		041423	106		040623	E	0810	06003	2312421-01	KISTLERC_ 1603



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

Data Added Successfully by HANNANJ

1 message

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

Mon, Jun 5, 2023 at 11:25 AM

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

HANNANJ successfully added data to DWELR on 06/05/23 at 11:25 AM. Form: SDWA1.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_187	701	050223
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_188	703	050223
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_189	707	050223
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_190	704	050923
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_191	705	050923
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_192	701	051623
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_193	703	051623
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_194	707	051623
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_195	704	052323
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_196	705	052323
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_197	706	053023

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>

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6 messages

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

Mon, Jun 5, 2023 at 11:16 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 (14).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>

Mon, Jun 5, 2023 at 11:17 AM

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

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File Name	User	Record ID Range
PA DEP SDWA-1 102 Well No 2 (14).xls	HANNANJ	HANNANJ_32 through HANNANJ_62

[Quoted text hidden]

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

Mon, Jun 5, 2023 at 11:17 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 (14).xls	HANNANJ	HANNANJ_63 through HANNANJ_93

[Quoted text hidden]

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

Mon, Jun 5, 2023 at 11:18 AM

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

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File Name	User	Record ID Range
PA DEP SDWA-1 104 Well No 4 (14).xls	HANNANJ	HANNANJ_94 through HANNANJ_124

[Quoted text hidden]

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

Mon, Jun 5, 2023 at 11:19 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-1 105 Well No 5 (14).xls	HANNANJ	HANNANJ_125 through HANNANJ_155

[Quoted text hidden]

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

Mon, Jun 5, 2023 at 11:19 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-1 106 Well No 6 (15).xls	HANNANJ	HANNANJ_156 through HANNANJ_186

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MIDDLETOWN MONTHLY REPORT

APPENDIX 3 CUSTOMER SERVICE

MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS

&

HOMESERVE REPORT

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	2,734	253,158.58	716,480.36	969,638.94	NEW ACCOUNTS: 22
DISCONNECTED ACCTS:	18	1,023.73	761.00	1,784.73	DISCONNECT--NO TRF: 18
FINALED ACCOUNTS:	369	17,262.70		17,262.70	DISCONNECT--TRANSFER: 0
INACTIVE ACCOUNTS:	12,423	0.00		0.00	
GRAND TOTALS	15,544	271,445.01	717,241.36	988,686.37	
CALCULATION SUMMARY		TOTAL CHARGES:	717,241.36		
		DEPOSIT RETURNS:	0.00		
		TOTAL CURRENT:	717,241.36		

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

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
S SEWER	2673	383,315.92	0.00	0.00	0.00	14409,600.0000		14409,600.0000
SR SURCHARGE	4	0.00	0.00	0.00	0.00			
SR2 SURCHARGE 2	2722	92,491.95	0.00	0.00	0.00			
W WATER	5366	241,433.49	0.00	0.00	0.00	18112,100.0000		18112,100.0000
TOTALS		717,241.36	0.00	0.00	0.00			

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

R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
SERVICES:		
200-WTR MDT	687-145900	77,630.01
203-WTR MDT COMMERCIAL	687-145900	94,504.80
206-CUSTOMER CHARGE	687-145900	12,478.62
207-SERVICE CHG / METER	687-145900	49,086.70
210-WTR ROYAL	687-145900	7,676.50
220-WTR L SWT	687-145900	56.86
230-SURCHARGE WATER/SEWER	687-145900	0.00
231-SURCHARGE WATER/SEWER	687-145900	92,491.95
300-SWR MDT	687-145800	318,339.00
306-SW CUST CHARGE	687-145800	64,976.92
310-SWR ROYAL	687-145800	0.00
320-SWR L SWT	687-145800	0.00
R/C TOTALS		717,241.36

===== 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	0.00	0.00	0.00	0.00		
S 300	RB SEWER -ROYALTON	RB	1	0.00	0.00	0.00	0.00		
S 300	SW SEWER	SW	2671	383,315.92	0.00	0.00	0.00	14,409,600.0000	811

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	4	0.00	0.00	0.00	0.00		
SR2	231	SR2 SURCHARGE WATER/SEWE	SR2	2722	92,491.95	0.00	0.00	0.00		
W	200	C10 COMM 1" MTR	C10	36	4,760.80	0.00	0.00	0.00	374,000.0000	
W	200	C15 COMM 1 1/2" MTR	C15	10	6,212.56	0.00	0.00	0.00	573,300.0000	
W	200	C20 COMM 2" MTR	C20	22	15,701.16	0.00	0.00	0.00	1,451,300.0000	
W	200	C30 COMM 3" MTR	C30	5	7,562.52	0.00	0.00	0.00	711,300.0000	
W	200	C40 COMM 4" MTR	C40	2	285.32	0.00	0.00	0.00	20,000.0000	
W	200	C58 COMM 5/8" MTR	C58	12	684.84	0.00	0.00	0.00	39,900.0000	
W	200	C60 COMM 6" MTR	C60	13	57,165.94	0.00	0.00	0.00	5,434,200.0000	
W	200	C75 COMM 3/4" MTR	C75	2	290.52	0.00	0.00	0.00	23,500.0000	
W	200	C80 COMM 8" MTR	C80	4	5,007.28	0.00	0.00	0.00	459,600.0000	
W	200	COM COMPOUND WATER N/C	COM	12	0.00	0.00	0.00	0.00		
W	200	LS8 LOWER SWAT 8" MTR	LS8	1	56.86	0.00	0.00	0.00		
W	200	NCW NO CHG	NCW	27	0.00	0.00	0.00	0.00	51,300.0000	
W	200	R10 RESID 1" MTR	R10	28	1,137.28	0.00	0.00	0.00	44,200.0000	
W	200	R58 RESID - 5/8" MTR	R58	2562	130,019.48	0.00	0.00	0.00	6,966,000.0000	
W	200	R60 RESID 6" MTR	R60	1	4,299.46	0.00	0.00	0.00	408,600.0000	
W	200	R75 RESID 3/4" MTR	R75	4	442.72	0.00	0.00	0.00	33,700.0000	
W	200	RB6 ROYALTON BOR 6" MTR	RB6	2	7,676.50	0.00	0.00	0.00	1,521,200.0000	
W	210	A1V FLAT RATE WATER -VAR	A1V	2	130.25	0.00	0.00	0.00		
W	220	MC WATER METER CHARGE - MC		2621	0.00	0.00	0.00	0.00		
TOTALS					717,241.36	0.00	0.00	0.00		

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

CODE	DESCRIPTION	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION	DEMAND CONSUMPTION
W	WATER	18,112,100.0000	0.000	18,112,100.0000	

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

CODE	DESCRIPTION	NUMBER	AMOUNT
DEPOSIT TOTALS		0	0.00

*** SERVICE CATEGORY TOTALS ***

SERV CATG	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL AMOUNT
S	2,673	14,409,600	14,409,600			\$ 383,315.92
SR	2,662	0	0			
SR2	2,722	0	0			\$ 92,491.95
W	5,366	18,112,100	18,112,100			\$ 241,433.49

REPORT TOTALS

REVENUE CODE TOTALS

REVENUE CODE:	--CURRENT--	+1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	--BALANCE--
081-NSF CK FEE	0.00	83.80	36.20	0.00	0.00	120.00
200-WTR MDT	77000.70	15301.86	7162.26	2783.10	3905.31	106153.23
201-WATER TURN ON	0.00	148.61	79.03	4.47	0.00	232.11
203-WTR MDT COMMERCIAL	96581.62	11795.29	831.89	84.94	99.01	109392.75
206-CUSTOMER CHARGE	11871.98	2346.69	1024.62	446.32	2425.53	18115.14
207-SERVICE CHG / METER	46571.82	9247.33	3991.74	1729.84	9424.48	70965.21
210-WTR ROYAL	7676.50	0.00	0.00	0.00	0.00	7676.50
220-WTR L SWT	56.86	0.00	0.00	0.00	0.00	56.86
230-SURCHARGE WATER/SEWER	16.28	12.87	12.97	12.97	1471.17	1526.26
231-SURCHARGE WATER/SEWER	84972.16	6156.68	1906.77	695.61	1882.00	95613.22
275-WTR PEN	189.59CR	1874.49	809.85	280.11	871.12	3645.98
300-SWR MDT	311266.55	58492.30	17275.97	6036.13	9181.59	402252.54
306-SW CUST CHARGE	61761.70	12548.05	5491.69	2482.06	26418.60	108702.10
375-SWR PEN	265.84CR	3147.68	1362.38	460.51	2136.61	6841.34
996-UNAPPLIED	17680.22CR	0.00	0.00	0.00	0.00	17680.22CR
999-REFUND	1695.97CR	0.00	0.00	0.00	0.00	1695.97CR
TOTALS	677944.55	121155.65	39985.37	15016.06	57815.42	911917.05

TOTAL REVENUE CODES: 911,917.05

TOTAL ACCOUNT BALANCE: 911,917.05

DIFFERENCE: 0.00

06-01-2023 08:19 AM
PERIOD: 5/01/2023 THRU 5/31/2023
ZONE: * - All Zones
REVENUE CODE: All
ADJUSTMENT CODES:

MONTHLY TRANSACTION REPORT

PAGE: 24

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

TYPE	DAY	COUNT	AMOUNT
ADJUSTMENT	01	2	9.38CR
	05	5	121.61CR
	08	2	42.54CR
	10	2	8,611.47CR
	12	4	2,612.10
	15	1	40.00
	16	2	80.00
	17	1	20.00
	22	2	40.00
	24	2	50.83CR
	25	156	547.78CR
	26	1	15.41CR
	30	2	64.84CR
	31	3	35.57CR
ADJUSTMENT TOTAL			6,707.33CR
BILL	03	3	104.78
	04	1	24.31
	17	2	209.69
	23	2	122.07
	24	1	52.99
	25	2,741	716,848.99
	31	4	121.47CR
BILL TOTAL			717,241.36
APPLIED DEPOSIT	25	2	0.00
APPLIED TOTAL			0.00
LATE CHARGE	25	455	8,451.55
LATE TOTAL			8,451.55
MEMO	22	96	0.00
	24	7	0.00
	25	1	0.00
MEMO TOTAL			0.00
PAYMENT	01	34	16,416.93CR
	02	34	6,541.05CR
	03	60	10,261.87CR
	04	67	13,429.20CR
	05	139	26,534.92CR
	08	314	102,871.48CR
	09	33	5,543.61CR

Difference - adj total +
\$ Billed - Other Revenue
\$1,744.22

PERIOD: 5/01/2023 THRU 5/31/2023

ZONE: * - All Zones

REVENUE CODE: All

ADJUSTMENT CODES:

===== DAILY DISTRIBUTION =====			
TYPE	DAY	COUNT	AMOUNT
	10	143	24,090.68CR
	11	93	27,890.96CR
	12	133	35,318.70CR
	15	356	109,859.62CR
	16	150	28,219.38CR
	17	87	17,843.17CR
	18	60	16,273.56CR
	19	4	129,293.87CR
	22	120	47,053.12CR
	23	23	4,324.44CR
	24	59	11,727.79CR
	25	48	9,380.94CR
	26	40	50,212.91CR
	30	59	12,694.83CR
	31	72	11,855.39CR
	PAYMENT TOTAL		717,638.42CR
DRAFT	16	376	61,841.89CR
	19	25	21,972.15CR
	DRAFT TOTAL		83,814.04CR
REVERSE-PAY	05	1	150.00
	17	1	200.00
	22	2	339.59
	REVERSE PAY TOTAL		689.59
GRAND TOTAL FOR PERIOD			81,777.29CR

Total collected = \$801,452.46

6/08/2023 1:56 PM
ZONE: < All Zones >
SORT: ACCOUNT

MXC REPORT

PAGE: 72
GROUP: * - All Groups

METER NO#	ACCOUNT NO#	NAME	ADDRESS	MXU TYPE	MXU ID
W 68652383	INVENTORY				1460195730 Duplica
W 69632167	INVENTORY				1460195756 Duplica
W 70112613A	INVENTORY				1470321453 Duplica
W 70112613	INVENTORY				1470321452 Duplica
W 70323396	INVENTORY				1471966926 Duplica
W 70323396A	INVENTORY				1471966927 Duplica
W 70323397A	INVENTORY				1470157603 Duplica
W 70323397	INVENTORY				1470157602 Duplica
W 69632184	INVENTORY				1542361382
W 35670264	INVENTORY				1440131648 Duplica
W 35670270	INVENTORY				1542411182
W 35670271	INVENTORY				1440096730 Duplica
W 35670267	INVENTORY				1551255668
W 36512912	INVENTORY				1460079314 Duplica
W 36512915	INVENTORY				1568109238
W 36512901	INVENTORY				1440121830 Duplica
W 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 10659431	INVENTORY				1568103474
W 10871871	INVENTORY				1568031178
W 10871883	INVENTORY				1563387082
W 10871886	INVENTORY				1563522708

*** TOTAL METERS IN SERVICE 2752
*** TOTAL METERS IN INVENTORY 753

6/08/2023 1:39 PM

IDLE METER REPORT

PAGE: 1

ZONE: ALL ZONES

SERVICE: 200-WATER

*** REPORT TOTALS ***

Book	Services	Addresses
02 - BOOK 02	1	0
04 - BOOK 04	4	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	1	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

ACTION	----- ISSUED THIS PERIOD -----				----- PRIOR ORDERS -----			TOTAL	TOTAL
	ISSUED	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	OUTSTANDING
C CONNECT	2	2	0	0	175	4	0	177	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	79	78	1	0	3,547	90	0	3,625	0
M METER CHANGE	1	1	0	0	708	8	0	709	0
O OCC CHANGE	17	17	0	0	1,449	3	0	1,466	0
R REINSTATE	0	0	0	0	2	2	0	2	0
S SERV CHANGE	0	0	0	0	34	0	0	34	0
X MISC	26	26	0	0	816	23	0	842	0
** GRAND TOTALS **	125	124	1	0	6,780	137	0	6,904	0

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	4/17/2023	4/19/2023	252	5/10/2023	64	5 SHUT OFFS (2 VACANT) 3 PROPERTIES TURNED BACK ON
April Bill Cycle	5/16/2023	5/18/2023	246	6/7/2023	69	3 SHUT OFFS (1 VACANT, 2 OCCUPIED) 2 PROPERTIES TURNED BACK ON
May Bill Cycle						
June Bill Cycle						
July Bill Cycle						
August Bill Cycle						
September Bill Cycle						
October Bill Cycle						
November Bill Cycle						
December Bill Cycle						

MAY 2023 CUSTOMER SERVICE CALLS																									
VEOLIA MIDDLETOWN																									
Date	How Contact Was Received			Customer Service Inquiries																Field Service Requests					Field Request Info
	Call direct to Middletown CS	Customer 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		
May 1st, 2023	33	3	36	2						6		15	5	2	3										
May 2nd, 2023	40	4	44	1						9		22	6	1	1										
May 3rd, 2023	43	5	48				1			7		27	8												
May 4th, 2023	50	2	52	4						9		27	7	2	1										
May 5th, 2023	37		37	2						6		22	7												
May 8th, 2023	53	2	55	1				1		12		32	6							1					
May 9th, 2023	33	1	34	1						5		22	4									1			
May 10th, 2023	37	1	38	2						3		19	13												
May 11th, 2023	34	3	37	1			1			4		18	10												
May 12th, 2023	70		70				2			2		58	6	1	1										
May 15th, 2023	108	1	109	2			3	2		6		85	4	2	4										
May 16th, 2023	70	1	71	2						8		54		1	5										
May 17th, 2023	40	7	47							4		32		3	1										
May 18th, 2023	30	1	31	3						5		22													
May 22nd, 2023	54	2	56	1				1		6		38	7									1			
May 23rd, 2023	35	3	38	2						8		22	3												
May 24th, 2023	36	9	45	2						5		17	6	2	3					1					
May 25th, 2023	32	3	35							7		20	5												
May 26th, 2023	34	2	36	2			1			4		24		1	2										
May 30th, 2023	30	2	32	2						6		18	4												
May 31st, 2023	47	5	52							5		37	3	1	1										
GRAND TOTALS	946	57	1003	30		0	8	4	0	127	0	631	104	16	22	0	0	0	0	2	0	2	0		

Partner Reporting Dashboard

[Back to Partner Select Page](#)

SUEZ (Middletown)

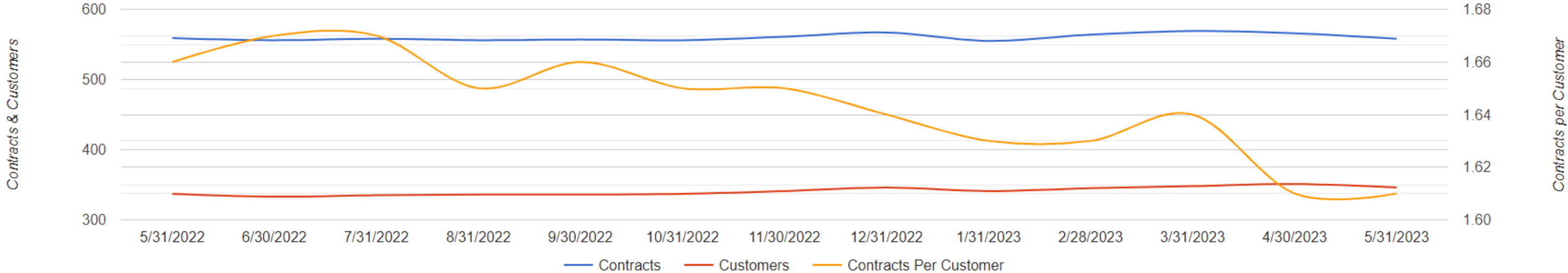
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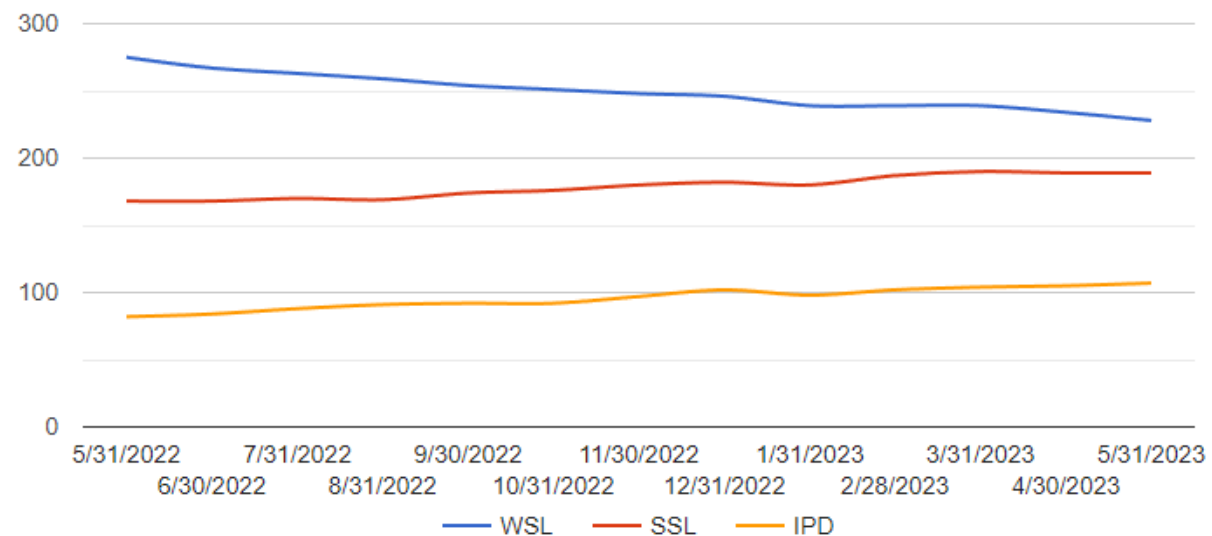
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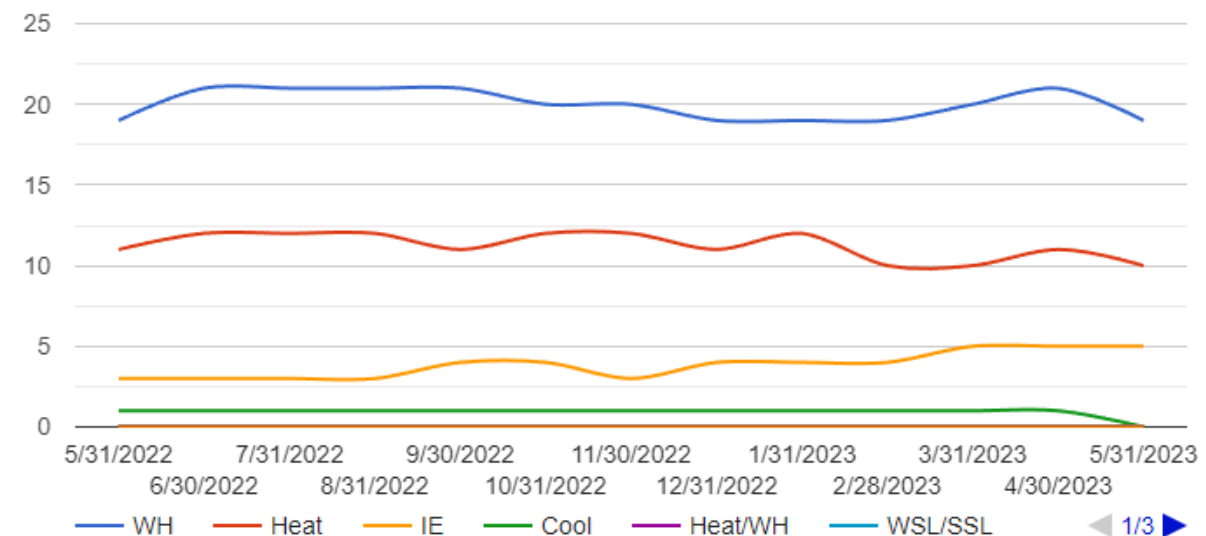
Contracts and Customers



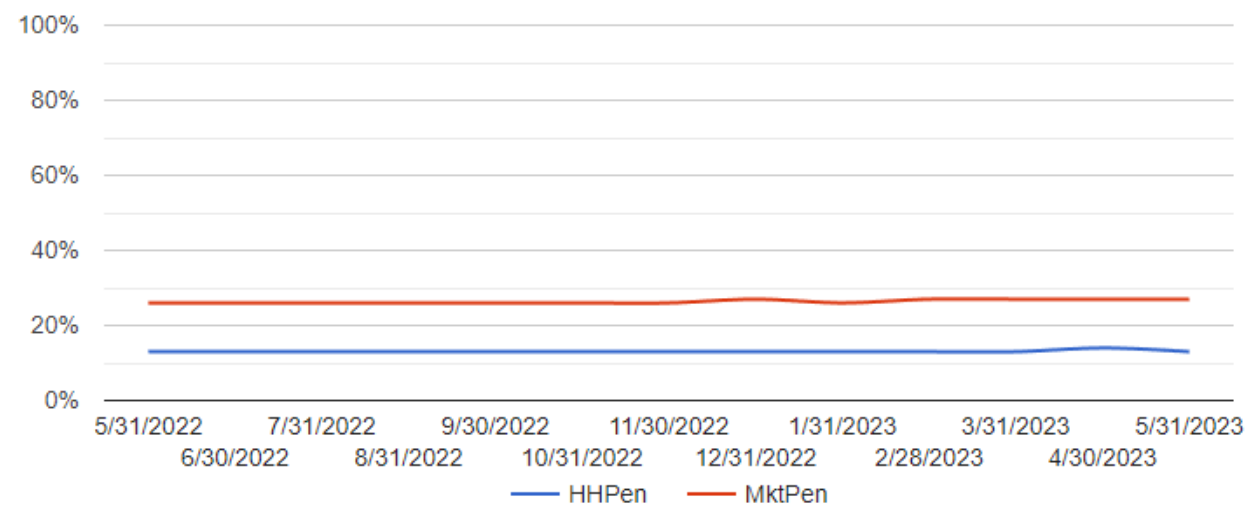
Leading Contracts by Type (Top 3)



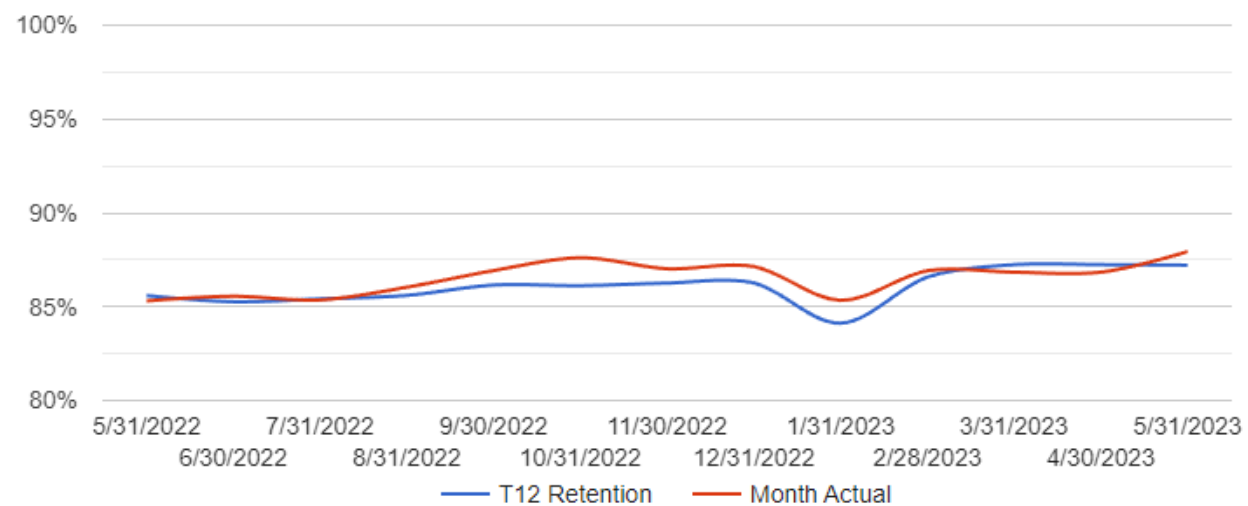
Leading Contracts by Type Other



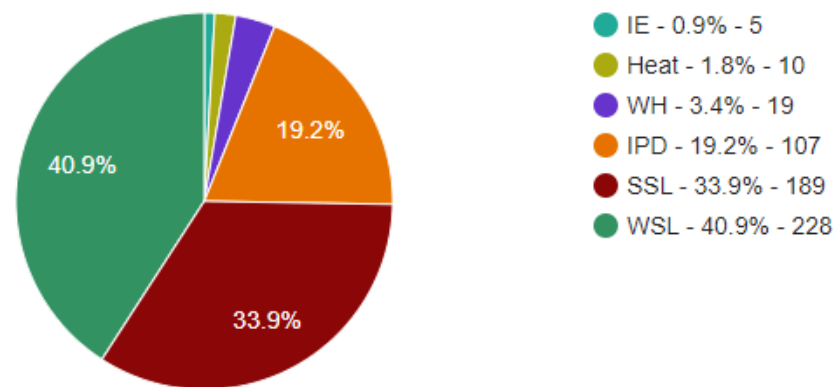
Household Penetration



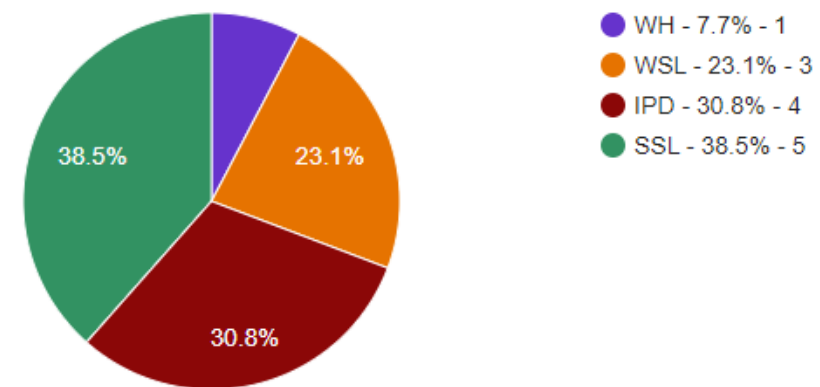
Retention



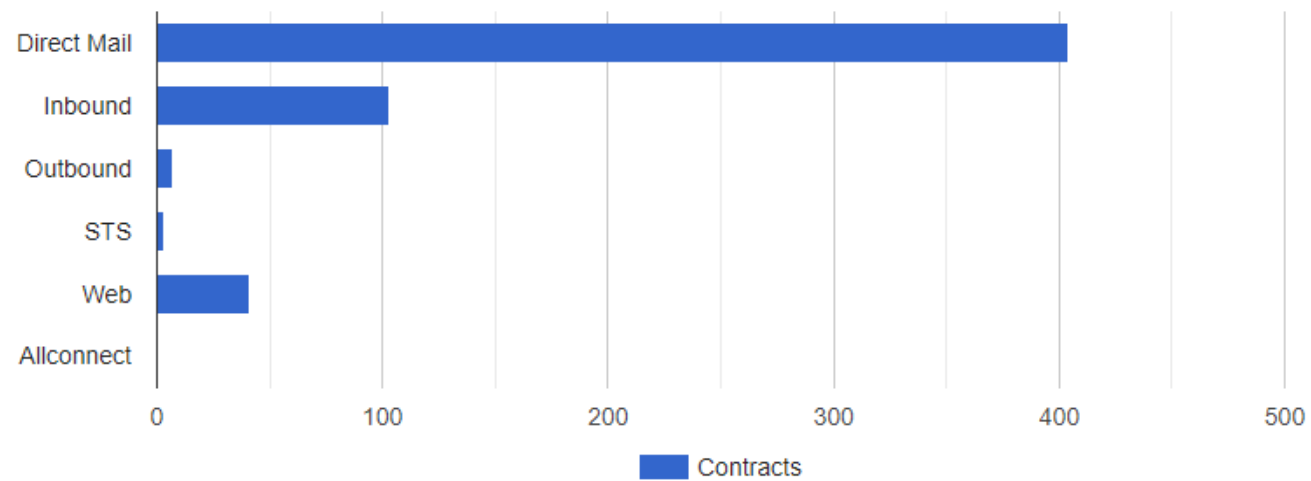
Contracts by Product Type



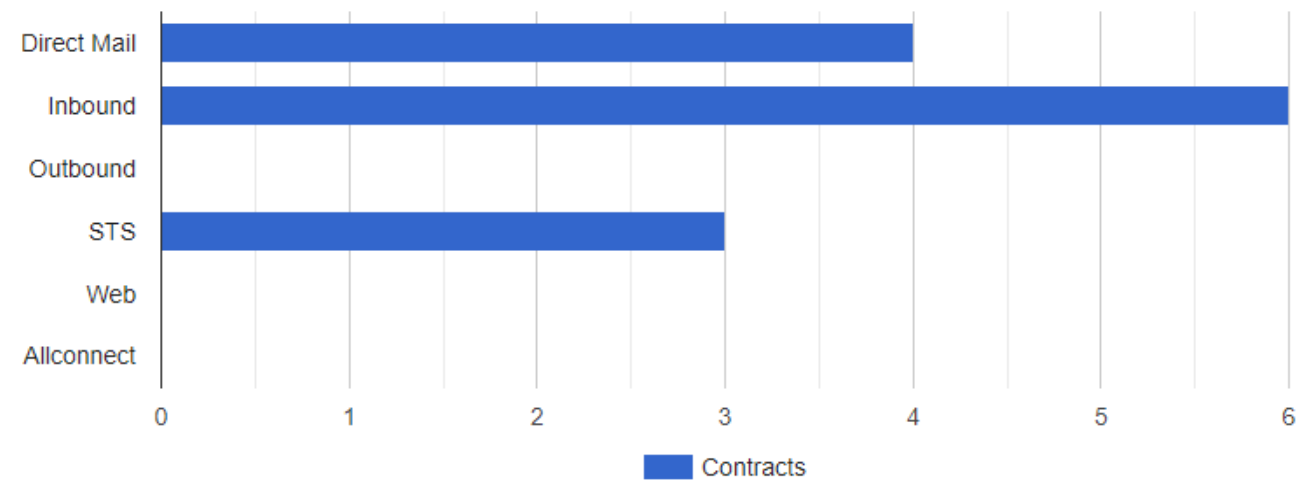
Contracts by Type - Last 30 Days



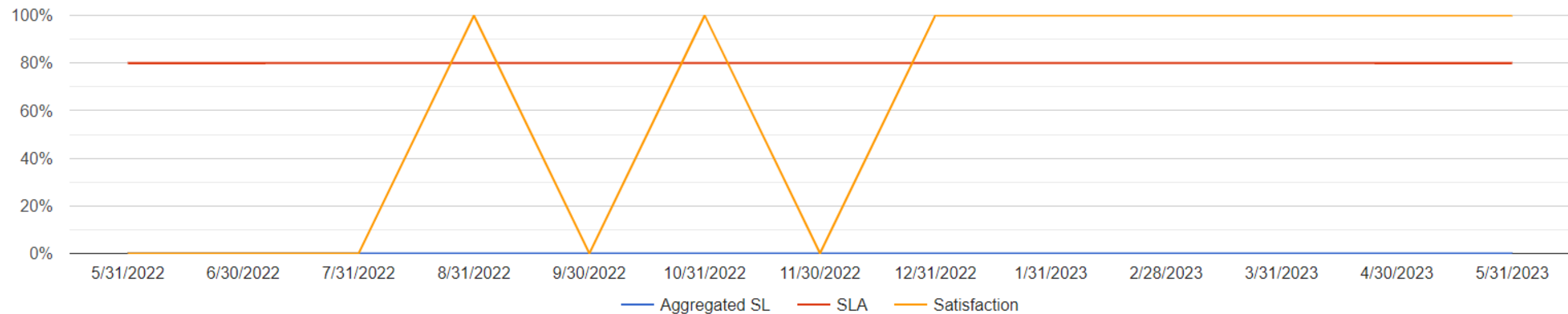
Contracts by Channel



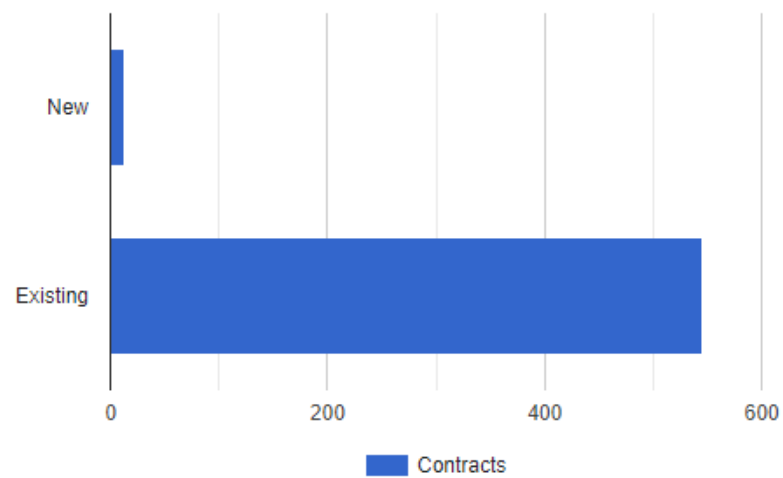
Contracts by Channel - Last 30 Days



Service Levels And Satisfaction

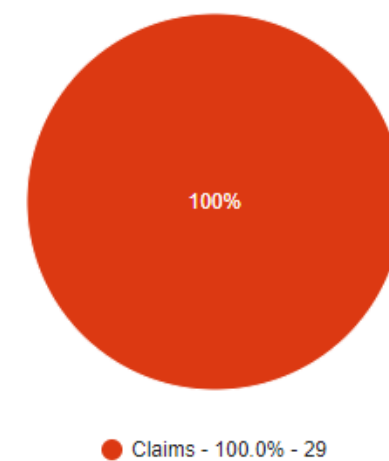


New v. Existing

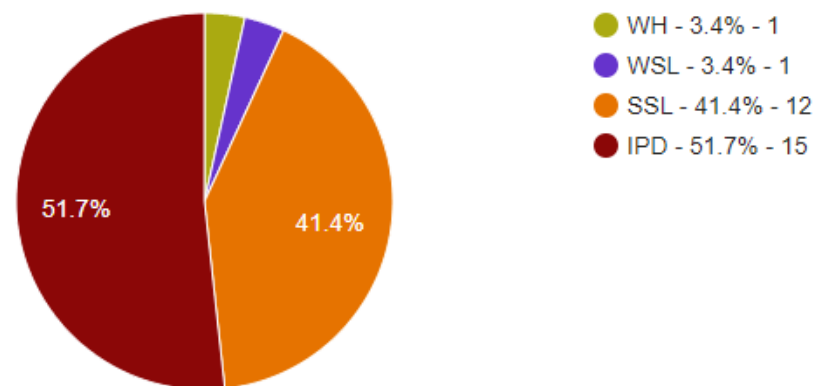


Rolling Complaints by Type

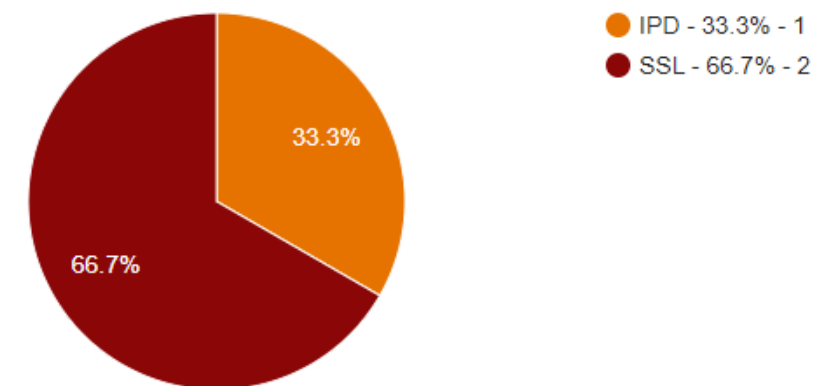
Complaints vs Claims



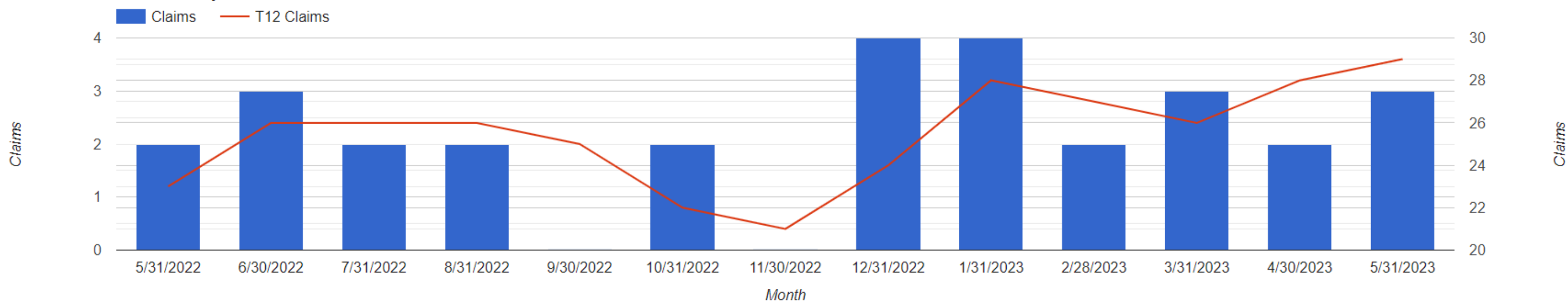
T12 Month Claims by Type



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