

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



June 30, 2022

Mr. Kenneth Klinepeter
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RE: Transmittal of Veolia Middletown Operations Report May 2022

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 cursive script that reads 'Kodi Webb'.

Kodi Webb
Project Manager
Veolia Middletown

cc: Michael Winfield
Jason Kiernan
Tim Shea
Ken Bonn
William Stanton

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

MAY 2022



EXECUTIVE SUMMARY

This report covers the monthly period of May 1, 2022 through May 31, 2022.

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.
- As COVID-19 Pandemic continues in the U.S., local operations have implemented Business Continuity Plans at the direction of Veolia-NA with guidance from the CDC and WHO.
- 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.
- Work with HRG, Tri-Star, and Kohl Bros. on modifications and upgrades to the groundwater elevation monitoring equipment.
- Continue with Well # 4 Pump Replacement, and integration of new chemical feed system.
- Installation of Safety Upgrades for Water and Wastewater systems.
- Continue overseeing Vine Street Capital Project.
- Began hydrant flushing.
- Rebranding from SUEZ to Veolia.
- Drained, cleaned, and inspected clarifiers.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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Regulatory Compliance

NOV was issued on March 1st 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 submitted 4/22/22.
 - Parts ordered in July, and received August 19
 - Permit Applications for wells 1, 2, and 3 submitted 8/24/21.
 - Permits approved 10/26/21.
 - Part procured.
 - Quotes are being gathered.
 - Permit Applications for wells 5 and 6 submitted 1/7/22

Environment, Health and Safety

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

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Customer Service

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

- Though the Customer Service counter remains closed to customers, customer service, and payments remain open via payment drop box, telephone, email and US Mail.
- Continued to track and update reports to meet the needs for data analysis, revenue forecasting, and reporting requirements.
- The meter reading cycle for water consumption in May was successfully completed on May 25th, 2022. Restarted the Delinquent Notification and Shut-Off Program which was previously suspended due to COVID-19
 - Sent 228, 10 day shut-off notices to accounts that were \$50 past due for the April 2022 billing period
 - Posted 54 properties with 3 day shut-off notices

Engineering and Capital Expense

A complete breakdown of the proposed projects and significant accomplishments for the Engineering and Asset Management areas are included in the Engineering section of this report. Veolia Middletown will continue efforts to maintain operations at a high level of reliability, while monitoring unaddressed, identified capital projects that continue to accrue and if not implemented have the potential to impact future performance.

Conclusion

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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MONTHLY OPERATIONS REPORT

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

Wastewater Treatment Plant DMR

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

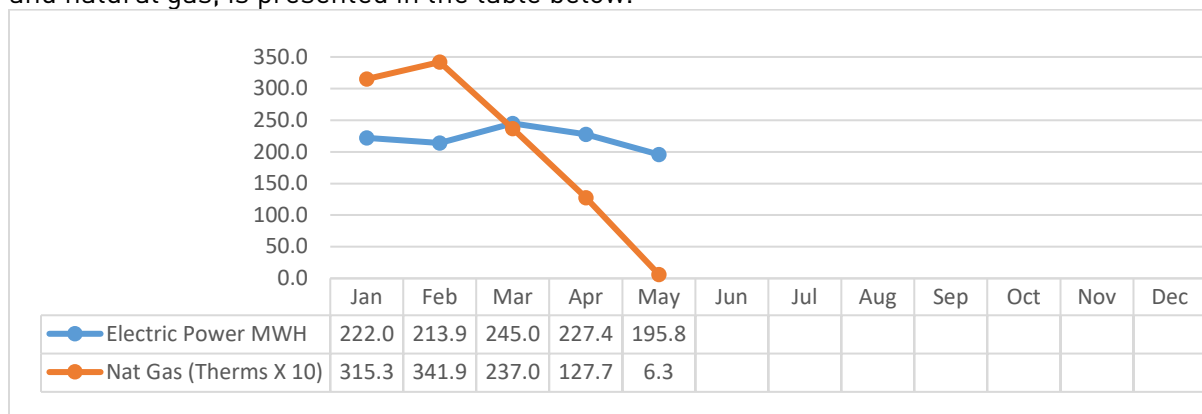
Quality Control Reporting

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

Energy Management and Sustainability

Energy Use

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



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

Energy Efficiency Initiatives

Set up for utility use data collection and reporting has been implemented. Review of this data will continue as the data is compiled on a monthly basis. Long term initiatives currently being explored include the potential for solar and process efficiency improvements.

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Sustainability

Objectives for sustainability will be developed in the coming months.

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
Water	Booster Pump 2	Pump Station	1/26/22	Pump Failure	5/5/22
WWTP	Raw 2	Raw	2/7/22	Seal Failure	5/2/22
WWTP	Raw 3	Raw	5/3/22	Seal Failure	Pending Service

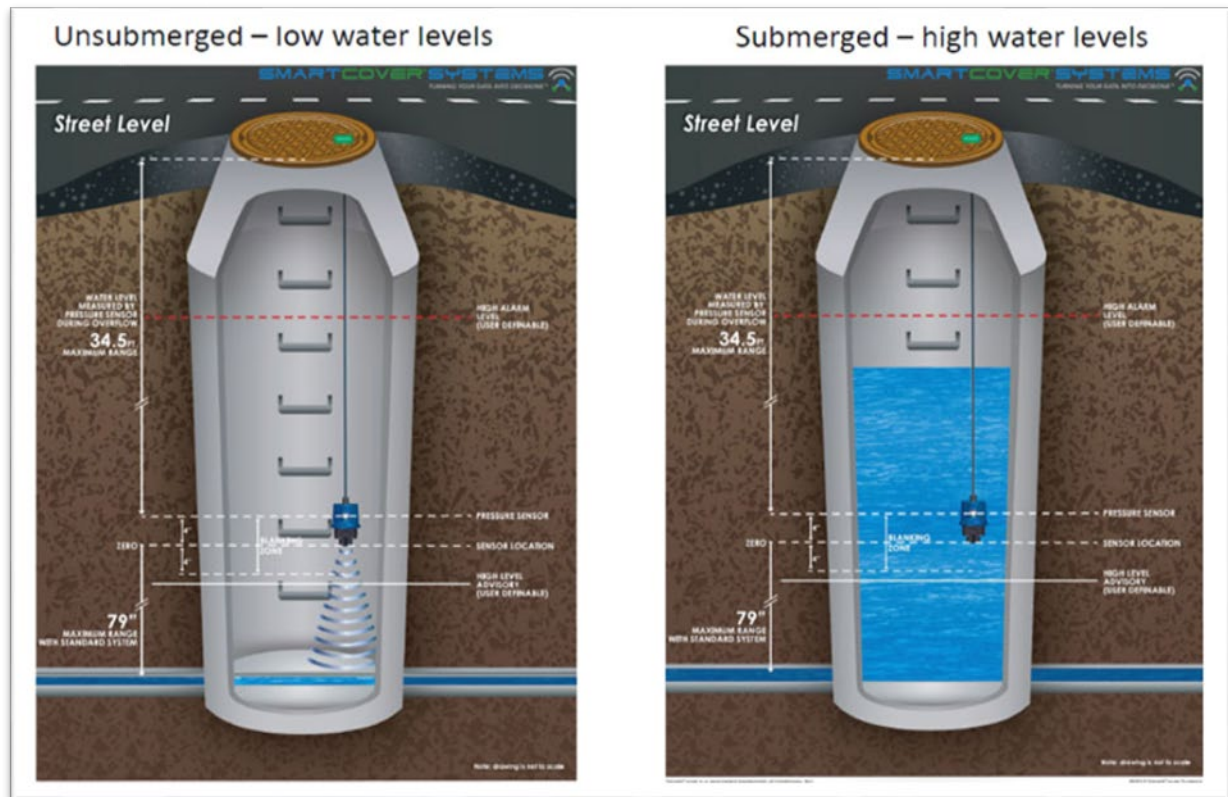
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Sanitary Sewer System

SmartCover® Sewer Monitoring System



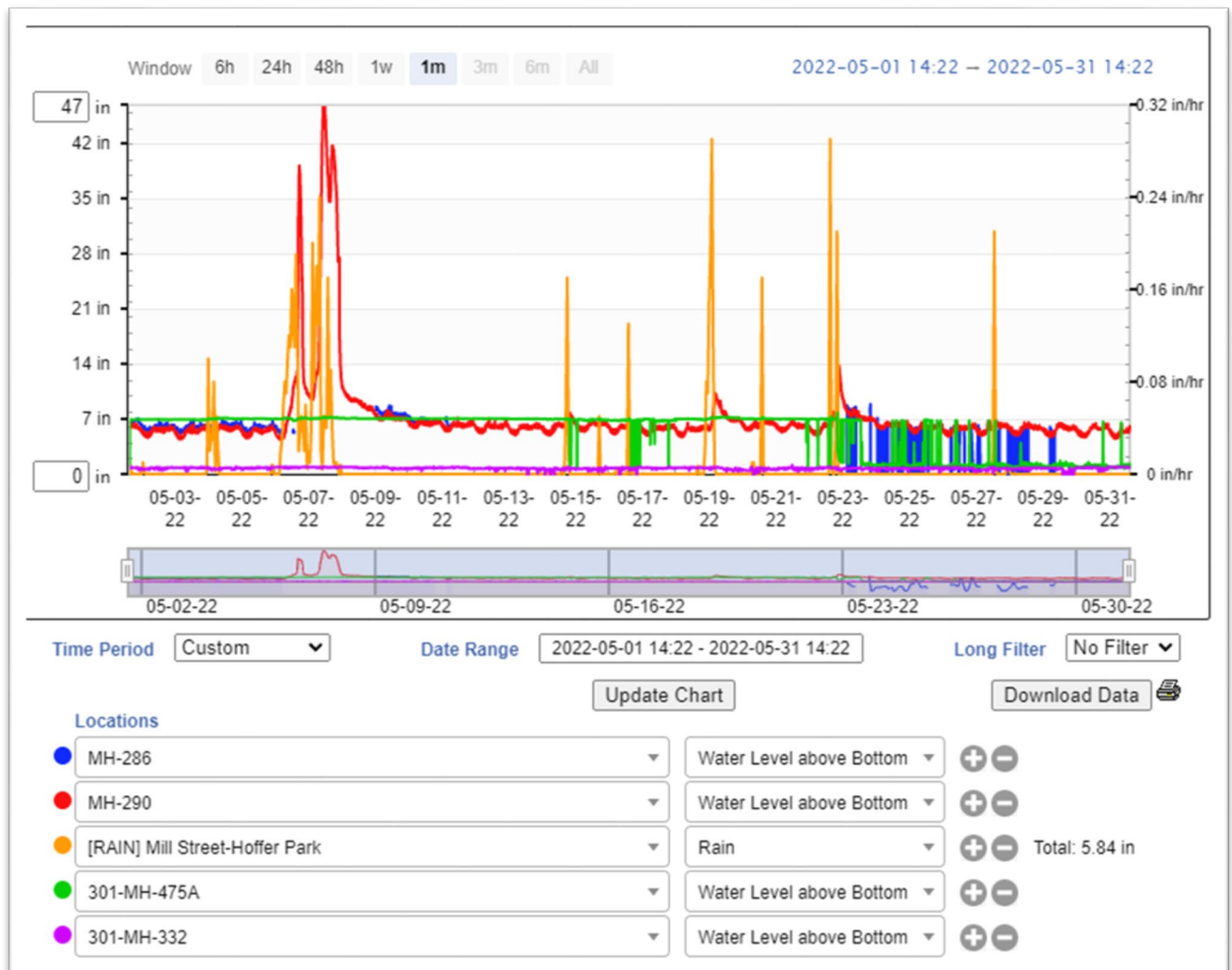
Ultrasonic level sensor (on the left) and pressure transducer (on the right). The covers use level sensing technology to analyze sewer elevations throughout the monitored area. This technology is used to monitor and reduce sanitary sewer overflows (SSO's) at problematic locations. The SmartCovers installed 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". This data was also included in the Annual Chapter 94 Report/CAP Update which was submitted to PA DEP in early 2021.

There were false readings caused by misalignment at MH-475A. A large rain event occurred on May 6th and 7th, but there have been no subsequent SSOs.

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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.

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KPI	Hydrants Inspected	Main Valves Exercised	Ft Wastewater Mains Cleaned	Ft Water System Leak Detection
Last	0	0	0	0
Current	49	4	0	0
YTD	49	12	11170	0

On Target – Good Work	Caution	Significantly Behind Goal
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KPI Comments

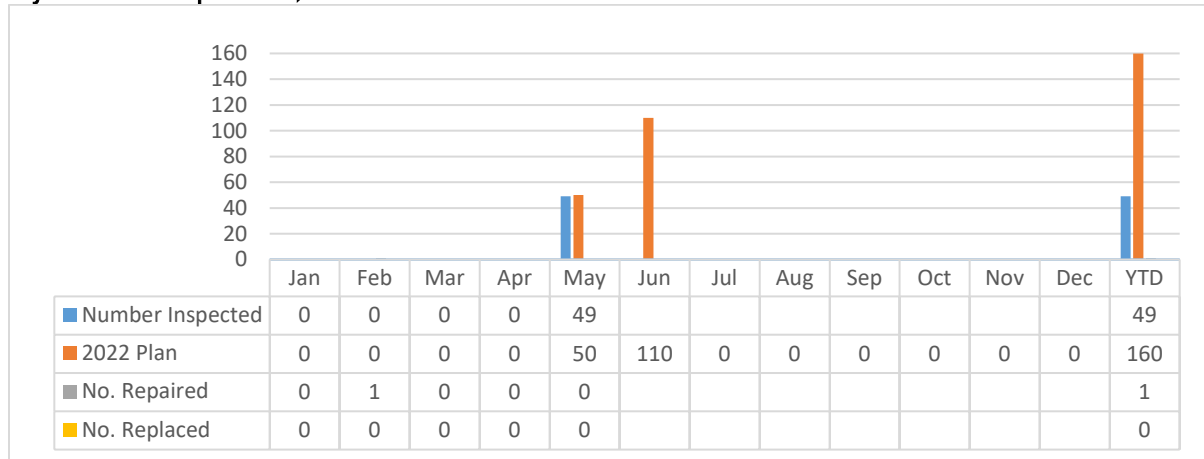
- Water Loss: Identifying and reducing the system water loss has been a key focus for Veolia. In an effort to identify and resolve the sources of water loss,
- continue to (1) verify the accuracy of the billing system reports, (2) verify the production meter accuracy at each well site based on review 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 2021 CCTV requirement was completed in January 2022. Sanitary main cleaning and CCTV inspections will continue to meet the 2022 requirement.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

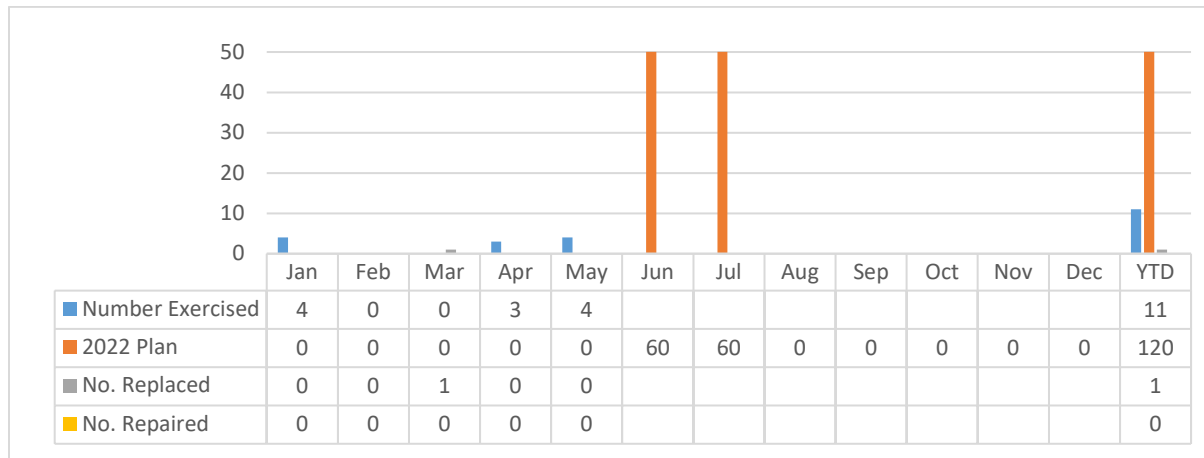
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Hydrants Inspected, Tested and Flushed



Water Main Valves Exercised

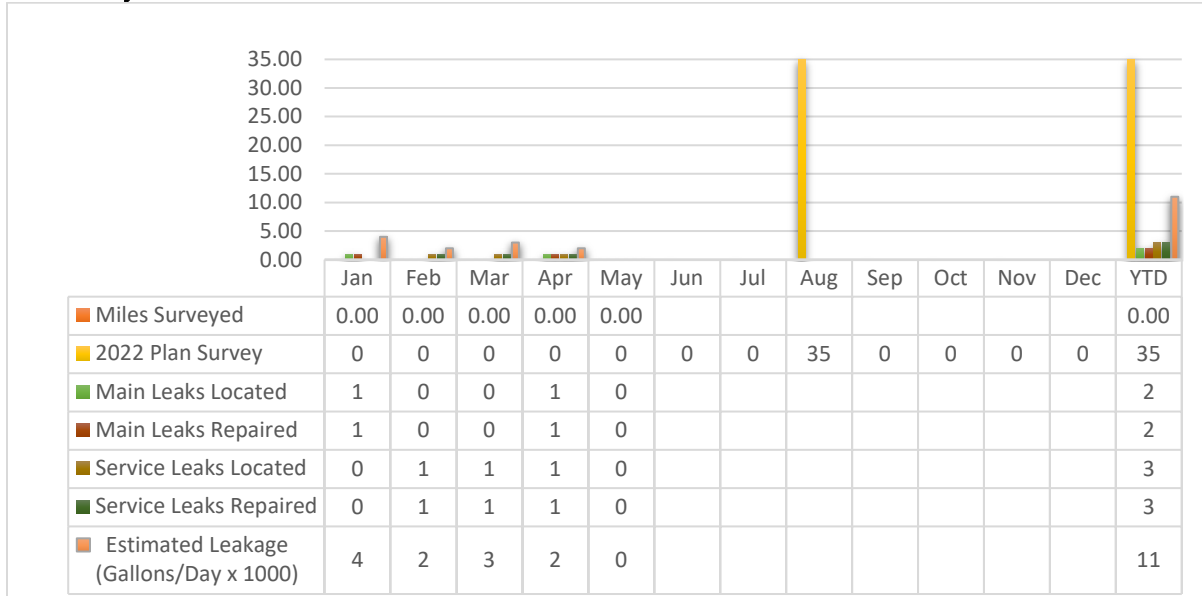


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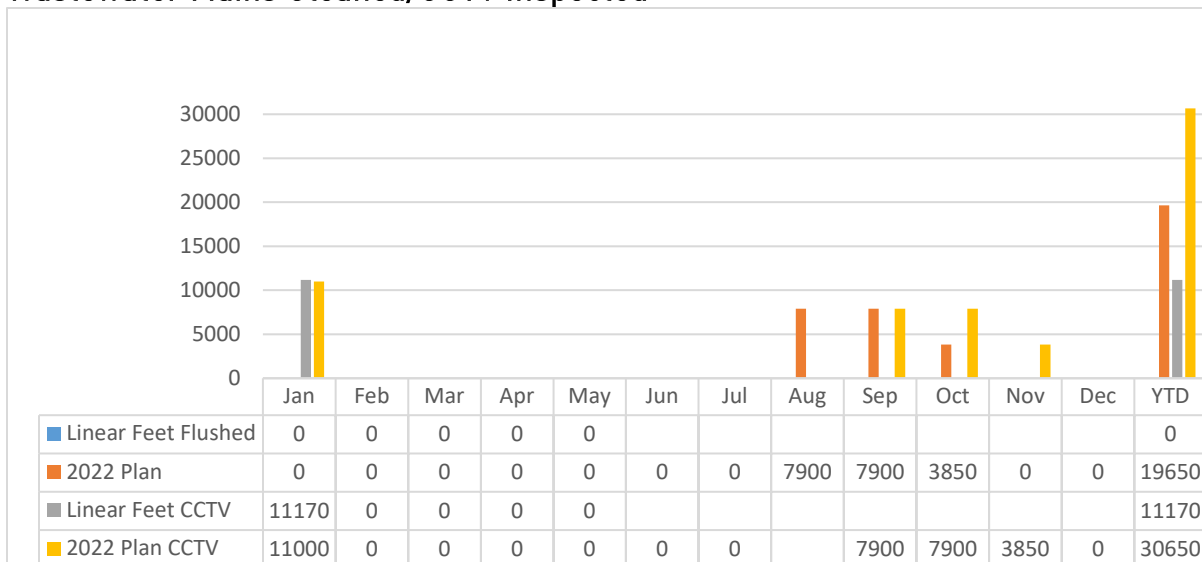
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Water System Leak Detection



Wastewater Mains Cleaned/CCTV Inspected



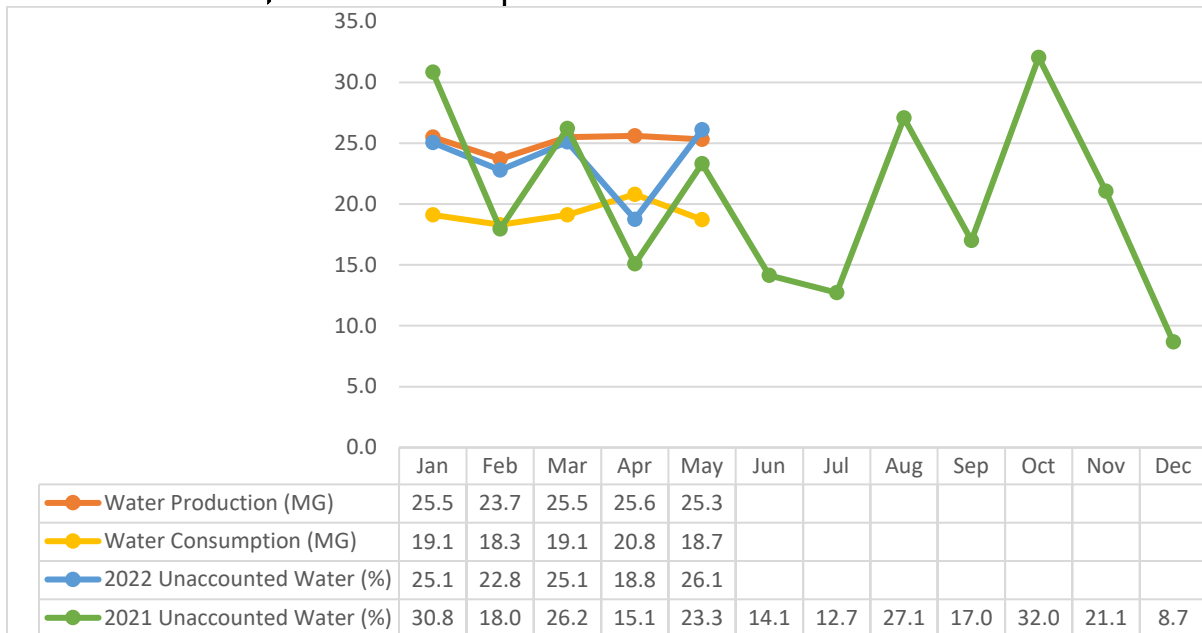
Approximately 11,000 feet of CCTV remaining from 2021 was completed in January 2022.

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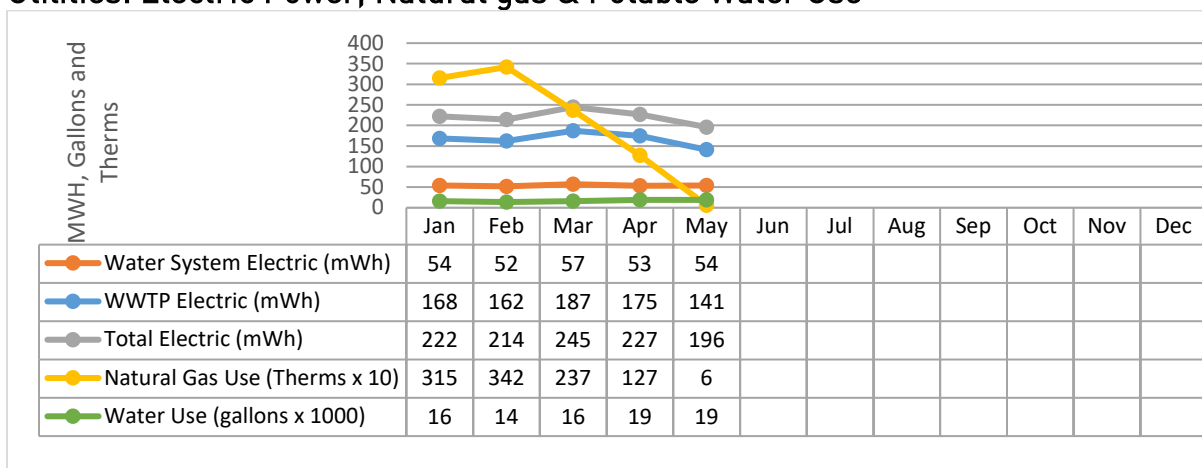
Water Production, Water Consumption and Unaccounted Water



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.

*Unaccounted for water increased in May due to hydrant flushing.

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	237	201	216	239	219								1112
Hydrofluorosilic Acid	lbs	251	267	305	311	380								1514
Alum	gal	1309	1274	1466	1382	1370								6801
Thickening Polymer	gal	45	65	64	64	74								312
Dewatering Polymer	gal	60	90	113	85	84								432
Chlorine (WWTP)	lbs	384	412	384	537	724								2441
Lime	lbs	3464	4692	5798	4425	5089								23468

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 with 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. Currently there is a 97% pass rate of the meters tested.

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	17	0	0	15	0								17	15	0	0	32
Interconnect/Large	0	0	0	0	0								0	0	0	0	0
Small Meter	0	0	1	0	0								1	0	0	0	1
TOTAL	18	0	1	16	0	0	0	0	0	0	0	0	19	16	0	0	35

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.
- Groundwater Elevation Plan and upgrades to well level sensor equipment.
- 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.
- Continue painting hydrants as weather allows.
- Complete hydrant flushing
- Continue annual tank draining and cleaning
- Begin valve turning

Customer Service

Highlights

Veolia Middletown closed the the Customer Service Office and Administration building to customers and non essential visitors at the start of the COVID-19 pandemic. At this time the window is still closed, but the telephone and drop box for payments remain open. Call volume increased in May with a total of 929 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. Customers have been utilizing the LIHWAP.

The release of bill files for printing and mailing this month occurred in 2 days with bills for services provided May being mailed to customers on May 27th.

The average gross monthly collection rate for May was 108.7% and 102.65% 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 32 accounts this month, which is the down from last month. There were no idle meters with consumption this month.

The number of Field Service Requests in May was 93. Field Service Requests have resumed due to lower COVID threat level.

In March of 2021, Veolia implemented a new customer bill design. The re-design will help customers compare the current month's consumption to prior month's consumption. This re-designed format has resulted in an increased number of customers who have subscribed to Auto Pay. Prior to the re-design, we were averaging around 270 customers, now we are up to approximately 360 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	2021	2020
General Acct. Info	9	12	16	18	17								72	131	179
Bill Inquiry	210	99	176	167	146								798	934	764
Finals	14	9	20	26	32								101	173	182
New Account	12	7	11	12	19								61	98	91
Meter Reading /Re-Reads	0	0	2	2	1								5	0	5
Payments	562	597	584	557	570								2870	6127	5710
Collection Letter	9	47	56	52	85								249	168	56
Rates	0	5	2	0	0								7	30	14
Complaints	0	0	0	0	0								0	1	11
Sewer	0	0	0	0	0								0	12	17
Leaks	0	0	0	0	0								0	11	12
No/Low Water Pressure	0	0	0	0	1								1	6	10
Copy Of Bill	77	0	0	3	0								80	2	3
Correct. Bills	0	0	0	0	0								0	0	1
Mtr Change Out	0	0	0	0	0								0	1	0
Customer Correspondance	78	119	68	49	43								357	922	206
Discolored/Water Quality	0	0	0	0	0								0	0	1
Calls Referred to SUEZ Hbg	34	25	30	29	58								176	439	659
Calls from City / Other Org	0	0	0	0	0								0	1	0
Compliments	0	0	1	0	0								1	18	0
2022 TOTALS	1005	920	966	915	972	0	0	0	0	0	0	0	4778		
2021 TOTALS	697	659	779	759	726	772	719	781	803	866	799	714		9074	
2020 TOTALS	723	667	669	650	601	675	643	613	724	721	594	641			7921

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

Customer Service: Billing

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

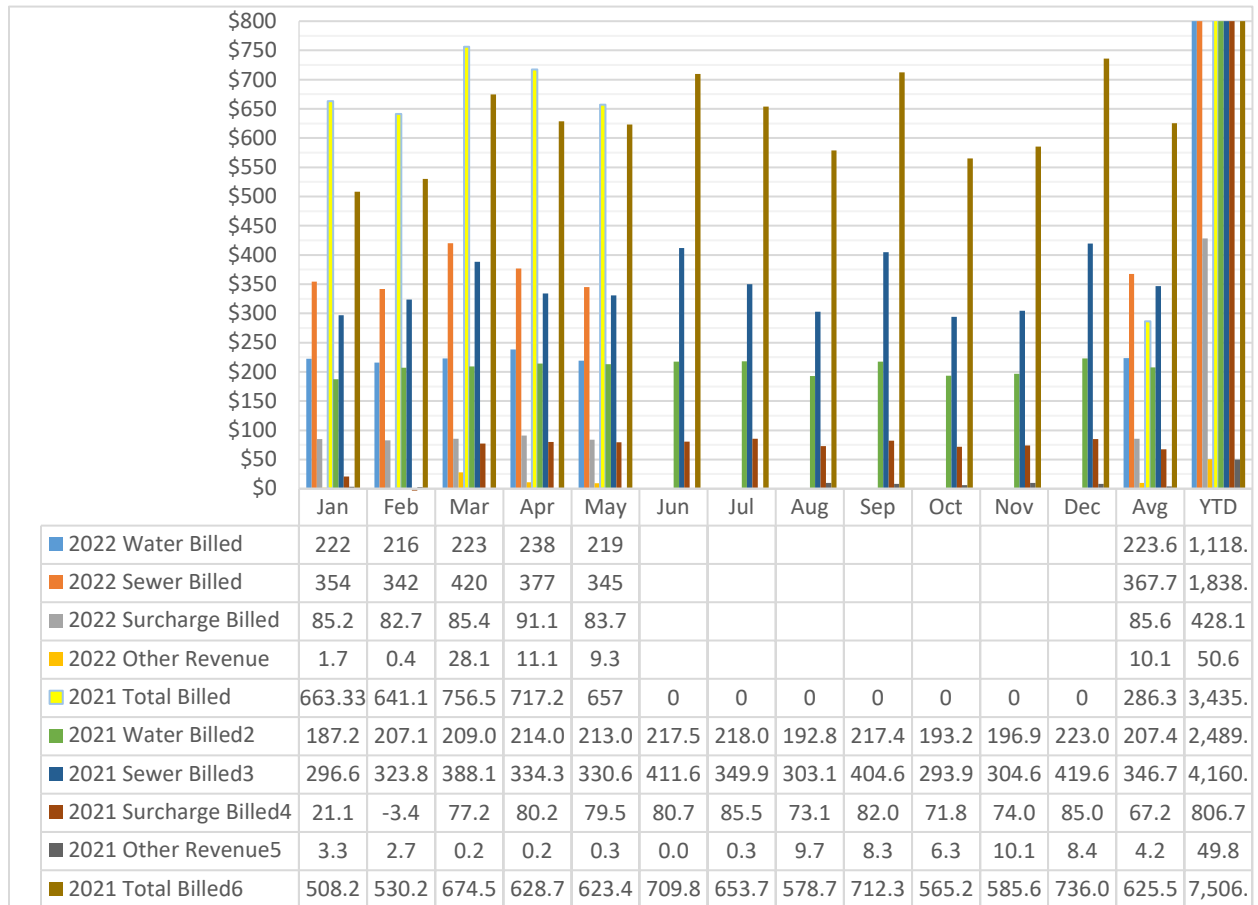
* Neptune is the meter manufacturer

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Dollars Billed - Water and Sewer (dollars X1000)



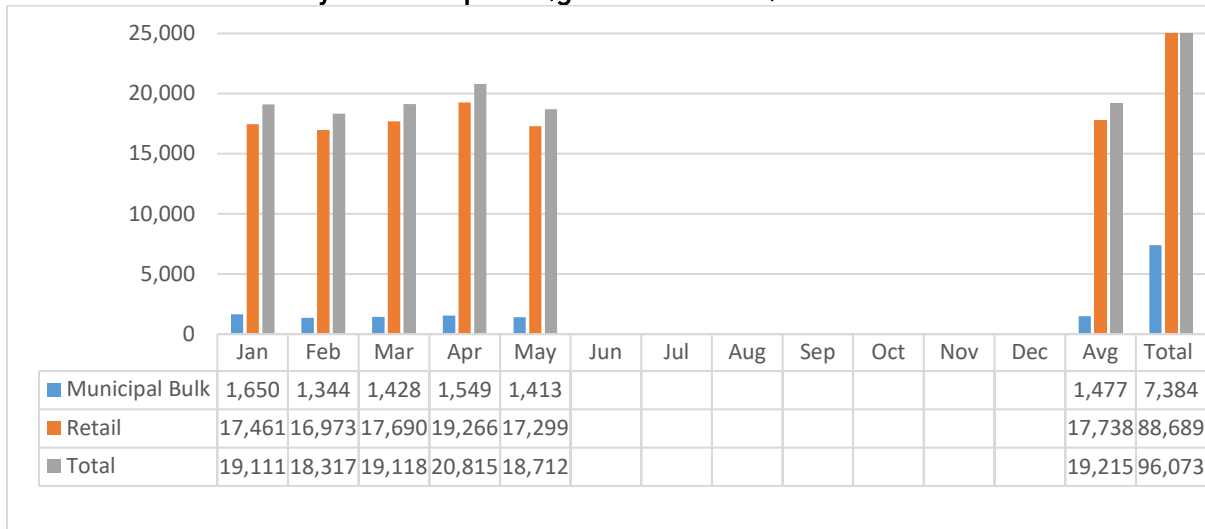
*Negative surcharge value was due to the prior surcharge collection period ending in February 2021.

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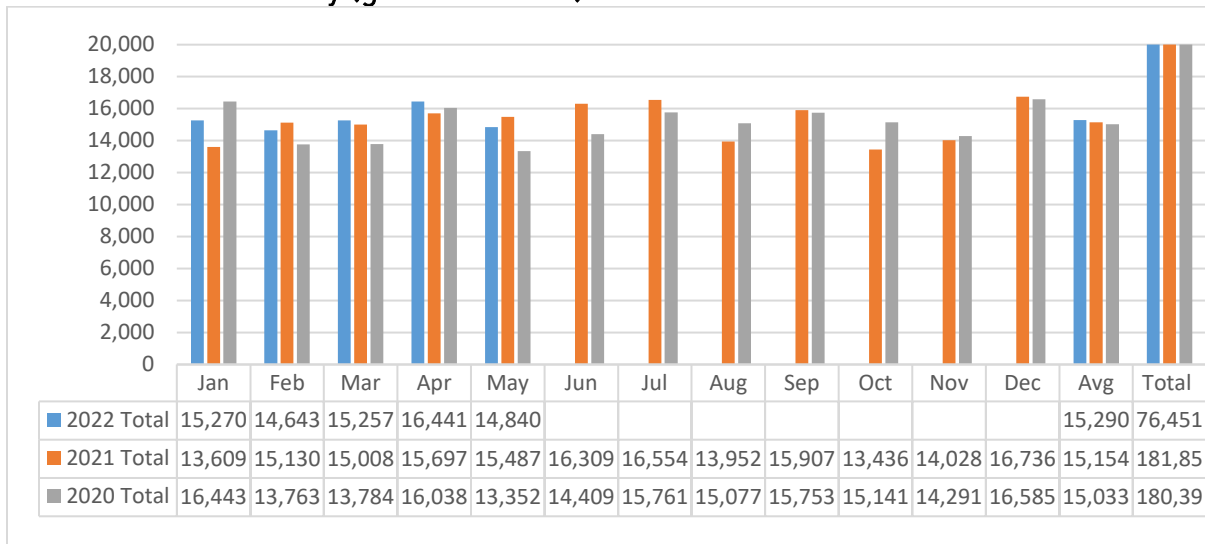
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Water Sales - Monthly Consumption (gallons X 1000)



Sewer Sales - Monthly (gallons X 1000)



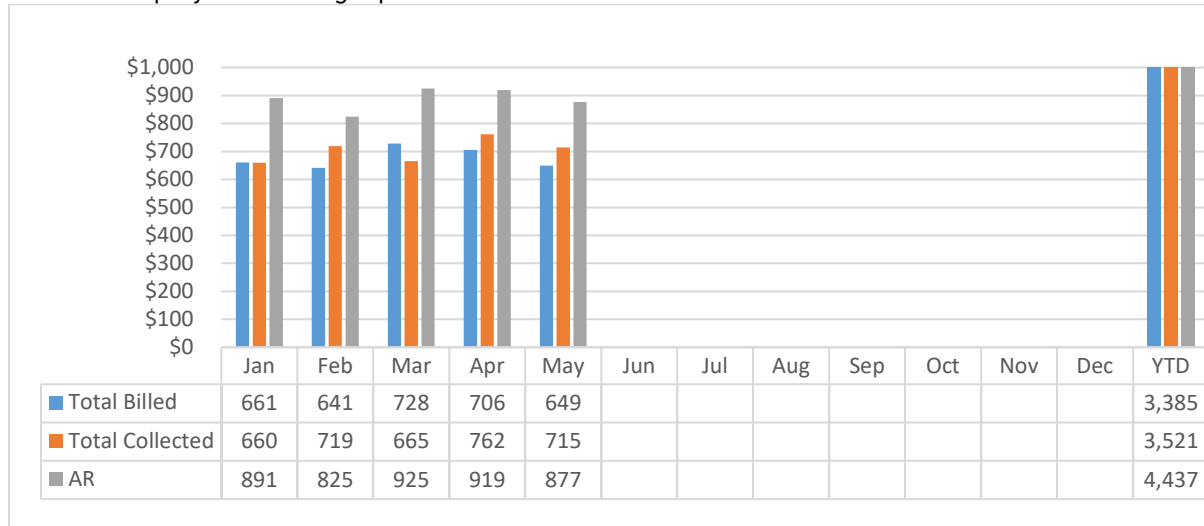
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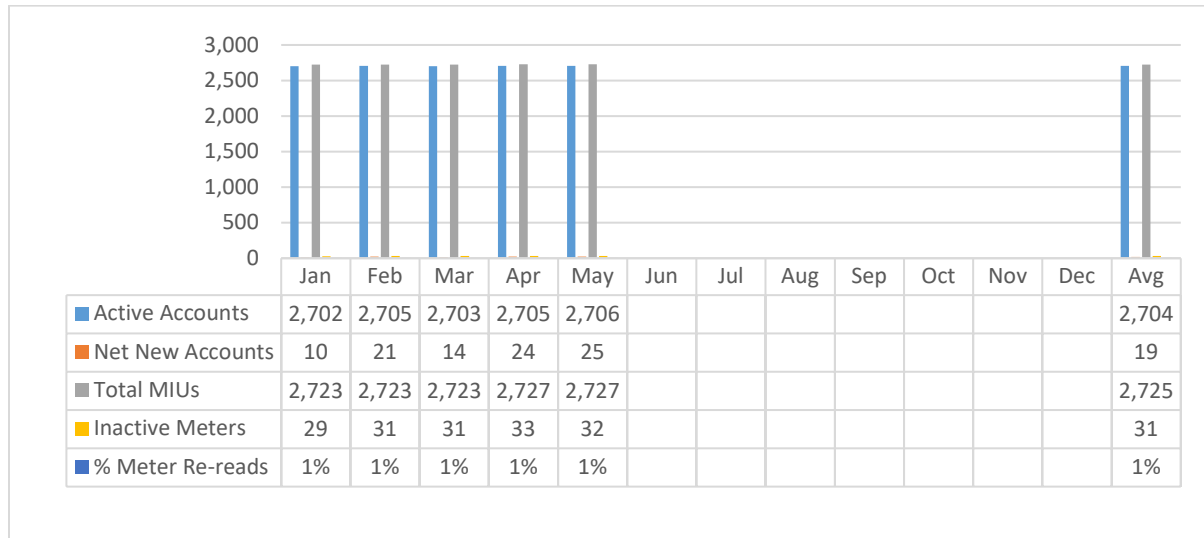


Collections (dollars X 1000)

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



Accounts & Meters

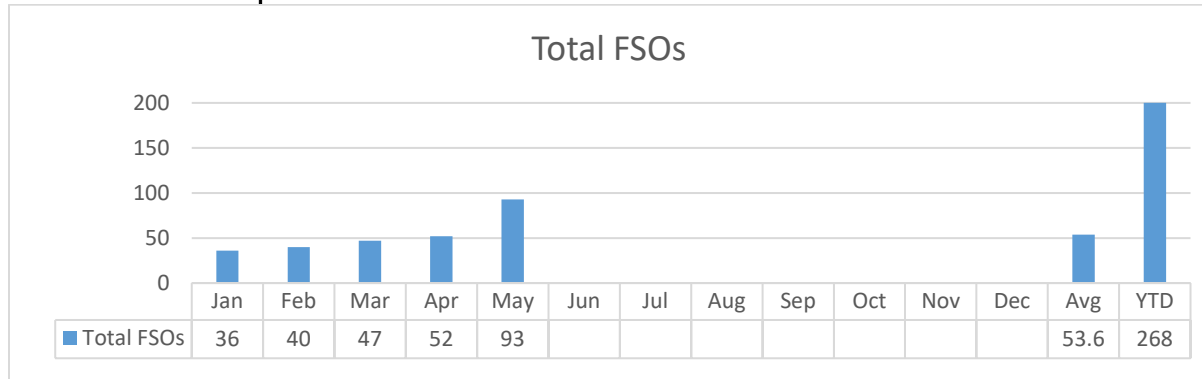


MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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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	1	0	0	0	0								1	0	0	0	1
2022 TOTAL	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

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	0	0	0	0								0	0	0	0	0
Boil Water Notices	0	0	0	0	0								0	0	0	0	0
2022 TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

There were no water quality complaints during the reporting period.

Sewer and Collection Issues

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

Sewer Quality Complaints Summary

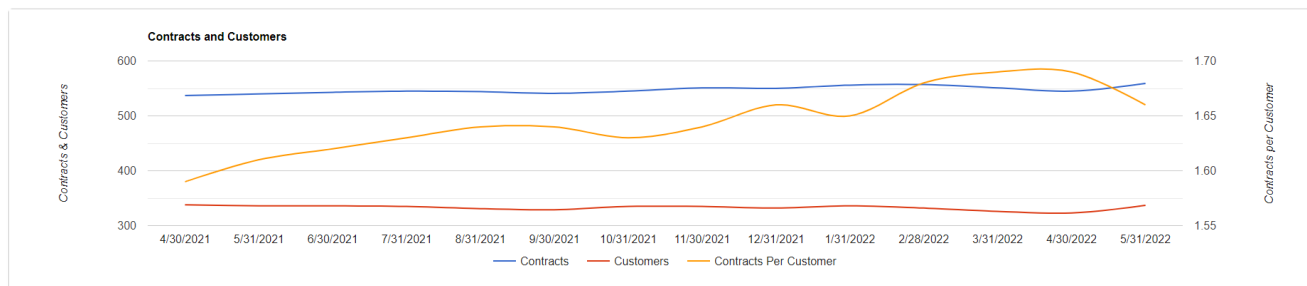
Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Back-up / Blockage	0	0	0	0	0								0	0	0	0	0
Odor	0	0	0	0	0								0	0	0	0	0
2022 TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 TOTAL	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	2

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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Home Serve USA



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

Next Month Customer Service Priorities

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

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MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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Water Sales Test Period

Water Sales Test Period No. 3 1/1/2021 to 12/31/2023	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	
														Total	Avg
Total consumption for the month (gallons)	2021	16,984,200	19,701,800	19,964,700	20,521,000	20,409,700	20,950,100	20,557,500	17,545,400	20,495,500	17,656,500	18,017,900	21,191,200	233,995,500	19,499,625
	2022	19,111,100	18,317,500	19,119,800	20,815,300	18,711,600								96,075,300	19,215,060
	2023														
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								88,689,800	17,737,960
	2023														
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								2,940,341	588,068
	2023														
Avg retail water sales (gal)		528,337	610,171	563,219	618,750	565,439	608,157	609,397	514,487	625,280	516,081	549,113	624,145	4,909,246	580,624
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								7,385,500	1,477,100
	2023														
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								244,554	48,911
	2023														
Avg Bulk Customer sales (gal)		53,845	68,745	67,176	70,188	65,550	90,180	53,748	51,494	57,903	50,548	51,483	59,442	532,903	58,674
Contract Daily Bulk Water Sales Upper Limit (gal/day) = 62,970															
Bulk Sales Surplus (gal/day) = No Surplus															
Sum of Actual Average daily volume of Metered water sales to Retail Water Customers over Test period + Bulk Sales Surplus (gal/day) = 580,624															
Contract Daily Water Sales Upper Limit (gal/day) = 639,340															

Engineering and Capital Improvements

Capital improvement projects for the water and wastewater systems have been developed for 2022 and presented in the draft Five-Year Capex Plan to the Concessionaire and Borough. The projects are divided into Base CAPEX projects and Major CAPEX projects. Careful consideration is given when awarding projects to ensure that experienced and responsible contractors that meet the Responsible Contractor Policy are selected.

Proposed Base Capex Projects

Capital Projects from the Base CAPEX are listed below:

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

Major CAPEX Projects

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

MAY 2022



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” involves 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 is secured for this project. A pre-construction meeting was held with HRG and EK Services in May 2021. EK Services is working 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.

The next project scheduled is the “2018/2021 Underground Infrastructure Upgrades” which involves approximately 5,000 LF of water main replacement in addition to the replacement of 1,000 LF of sewer system and upgrades of deteriorating sewer manholes. Recently, HRG reached the 90% design milestone. Approximately, 4,000 LF of sewer mains were CCTV’ed for condition assessment and a presentation of the video footage and the analysis with recommendations were delivered at the August 2021 Operating Committee meeting. The project design was completed in October 2021.

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. Due to the re-bid and weather conditions not allowing re-coating work in winter, the High Street Tank is anticipated to be rehabilitated in Q2 of 2022 followed with the Union St Tank in fall of 2022 and the Turnpike Tank in spring 2023. The permit for the High Street tank has been approved by PA DEP. The permits for Union St Tank and Turnpike Tank are currently under review by PA DEP.

Capital Improvement Plan

The following DRAFT Capital Improvement Plan was submitted on February 28, 2022.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT MAY 2022



SEWER COLLECTION, CONVEYANCE, & TREATMENT FACILITIES
DRAFT - 5 Year Capital Improvements Plan (2022-2027)
February 28, 2022

	2022 and 5 YEAR CAPITAL IMPROVEMENT PLAN						
	2021	2022	2023	2024	2025	2026	2027
BASE CAPITAL IMPROVEMENTS							
Headworks Wet Well Pump and Tank Rehabilitation Project	\$ -	\$ -	\$ 45,000	\$ -	\$ -	\$ -	\$ -
Well No. 4 Rehabilitation Project	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ 70,000	\$ -
Well No. 3 Stripping Tower Rehabilitation Project	\$ 15,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Well Upgrades (Pumps, controls, automation)	\$ -	\$ 122,000	\$ 38,000	\$ -	\$ -	\$ -	\$ -
Ventilation of ATAD Building Project	\$ -	\$ -	\$ 50,000	\$ -	\$ -	\$ -	\$ -
Fire Alarm System Design Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Chlorine Analyzer Replacement Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Blower Building Instrumentation Replacement Project	\$ -	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -
SCADA Upgrade Project	\$ -	\$ -	\$ -	\$ 25,000	\$ -	\$ -	\$ -
WAS Storage Tank Instrumentation Replacement Project	\$ -	\$ -	\$ -	\$ 15,000	\$ -	\$ -	\$ -
Biofilter Instrumentation Replacement Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
ATAD & SNDR Reactors Instrumentation Replacement Project	\$ 14,500	\$ 14,500	\$ 11,500	\$ -	\$ -	\$ -	\$ -
Headworks Instrumentation Replacement Project	\$ -	\$ -	\$ -	\$ 27,000	\$ -	\$ -	\$ -
Biosolids Processing Instrumentation Replacement Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Oxidation Ditch Instrumentation Replacement Project	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Scum Pump Station Instrumentation Replacement Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
WWTP Facilities Security Upgrades Project	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ 20,000	\$ 20,000
Well Facilities Security Upgrades Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000
Well Evaluation and Upgrades Project	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Trench Opening Restoration Project	\$ 70,150	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Water and WWTP System Evaluations	\$ 28,750	\$ 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	\$ 180,000	\$ 170,000	\$ 170,000	\$ 150,000	\$ 162,000	\$ 160,000	\$ 235,000
Safety Upgrades	\$ 10,600	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000	\$ 20,000
TOTAL BASE CAPITAL IMPROVEMENTS *	\$ 359,000	\$ 385,250	\$ 393,250	\$ 380,750	\$ 387,000	\$ 395,000	\$ 400,000
PROPOSED YEARLY BUDGET FOR BASE CAPITAL PROJECTS **	\$ 368,367	\$ 385,312	\$ 403,037	\$ 421,576	\$ 440,969	\$ 461,253	\$ 482,471

	2021 *	2022 *	2023 *	2024 *	2025 *	2026 *	2027 *
MAJOR CAPITAL IMPROVEMENTS							
Underground Infrastructure Replacements (2023 - 2026)	\$ -	\$ -	\$ 2,394,090	\$ 2,394,090	\$ 2,394,090	\$ 2,394,090	\$ 2,394,090
Underground Infrastructure Replacements (2016)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2017)	\$ 275,074	\$ 1,157,425	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2018)	\$ 49,500	\$ 1,596,000	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2019) ***	\$ 268,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2020)	\$ 275,074	\$ 1,157,425	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2021)	\$ 49,500	\$ 1,596,000	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2022)	\$ -	\$ 30,333	\$ 2,287,000	\$ -	\$ -	\$ -	\$ -
Water Storage Tank Rehabilitation - Union Street	\$ -	\$ -	\$ 1,309,083	\$ -	\$ -	\$ -	\$ -
Water Storage Tank Rehabilitation - High Street	\$ -	\$ 1,216,988	\$ -	\$ -	\$ -	\$ -	\$ -
Water Storage Tank Rehabilitation - Turnpike	\$ -	\$ 955,938	\$ -	\$ -	\$ -	\$ -	\$ -
Contingency (5%)	\$ -	\$ 276,859	\$ 234,054	\$ 119,704	\$ 119,704	\$ 119,704	\$ 119,704
TOTAL MAJOR PROJECTS	\$ 917,148	\$ 7,986,967	\$ 6,224,227	\$ 2,513,794	\$ 2,513,794	\$ 2,513,794	\$ 2,513,794

REGULATORY COMPLIANCE							
WWTP Effluent Outfall Rehabilitation ****			\$ 356,500				
TOTAL CAPEX	\$ 1,285,515	\$ 8,372,279	\$ 6,983,764	\$ 2,935,370	\$ 2,954,763	\$ 2,975,047	\$ 2,996,265

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 – Appletree Hotline notifications	0	0	0	0	0								0
Environmental Incidents – Appletree 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	73.5	16	16	10	67.5								183

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



June 30, 2022

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 2022

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, 2022

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 2022

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

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

A handwritten signature in dark ink that reads "Kodi Webb".

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>

Wed, Jun 15, 2022 at 4:49 PM

To: kodi.webb@veolia.com, mitchell.swartz@suez-na.com, jesse.randles@suez.com, michael.barger@veolia.com, gene.lank@veolia.com

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

Facility Name: MIDDLETOWN STP

Permit Number: PA0020664

Report Frequency: Monthly

Report Type: DMR

Reporting Period: 05/01/2022-05/31/2022

Report Due Date: 06/28/2022

Submitted By: Kodi Webb

Submission Id: 333039

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

MONITORING PERIOD

YEAR

MO

DAY

2022

05

01

TO

YEAR

MO

DAY

2022

05

31

FROM

Reporting Frequency: Monthly

DMR Effective From: 05/01/2022

DMR Effective To: 05/31/2022

Permit Expires: 02/28/2026

Permit Application Due: 09/01/2025

No Discharge: ☐

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	SAMPLE MEASUREMENT	***	***		8.02	***	***	mg/L	1/day	Grab
	PERMIT REQUIREMENT	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	SAMPLE MEASUREMENT	***	***		7.20	***	7.60	S.U.	1/day	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	43	54	lbs/day	***	3.0	4.0	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	***	***		***	<2.31	***	mg/L	1/month	Calculation
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***	<.04	***	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	***	***		***	<1.67	***	mg/L	2/week	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Phosphorus (00665)	SAMPLE MEASUREMENT	4	***	lbs/day	***	.35	***	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	1.952	4.861	MGD	***	***	***		Continuous	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	.4	.71	mg/L	1/day	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	SAMPLE MEASUREMENT	<973.5	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	SAMPLE MEASUREMENT	<18.3	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	SAMPLE MEASUREMENT	<286.1	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	SAMPLE MEASUREMENT	<687.4	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	SAMPLE MEASUREMENT	139.3	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***	<5.0	28.0	No./100 ml	2/week	Grab
	PERMIT REQUIREMENT	***	***		***	200 Geo Mean	1000 IMAX		2/week	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	<29	<39	lbs/day	***	<2.0	3.0	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 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: 05/01/2022

DMR Effective To: 05/31/2022

Permit Expires: 02/28/2026

Permit Application Due: 09/01/2025

No Discharge: ☐

MONITORING PERIOD

YEARMO DAY

202205 01

FROM

TO

YEARMO DAY

202205 31

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	<973.5	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	SAMPLE MEASUREMENT	139.3	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Facility 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

MONITORING PERIOD

YEAR	MO	DAY	TO	YEAR	MO	DAY
2022	05	01		2022	05	31

FROM

Reporting Frequency: Monthly

DMR Effective From: 05/01/2022

DMR Effective To: 05/31/2022

Permit Expires: 02/28/2026

Permit Application Due: 09/01/2025

No Discharge: ☐

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	1888	2822	lbs/day	***	148	***	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	1877	2526	lbs/day	***	150	***	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 Comments										

ATTACHMENT DETAILS

FILE NAME	ATTACHMENT TYPE	UPLOADED TIME	ATTACHMENT COMMENT
Biosolids Supplemental	Sewage Sludge / Biosolids Production and Disposal Form	6/13/2022 10:47:22 AM	No Biosolids were hauled off site for the month.
Effluent Supplemental	Daily Effluent Monitoring Form	6/13/2022 10:47:40 AM	
Influent Supplemental	Influent and Process Control Form	6/13/2022 10:47:58 AM	
Annual Chesapeake Bay Supplemental	Annual Chesapeake Bay Spreadsheet	6/13/2022 10:48:15 AM	

COMMENT DETAILS

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER
	Gene A. Lank II	246163	(717)-471-1813

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

3800-FM-BCW0436 3/2012

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

Month: May 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	1.334							30,000.0		
2	1.252	221.0	2,307	230.0	2,401	4,139.0		30,000.0		
3	1.270	249.0	2,637	172.0	1,821	4,316.0		30,000.0		
4	1.779					4,139.0		30,000.0		
5	1.167					3,276.0		20,000.0		
6	3.993					3,980.0		0.0		
7	4.861							25,000.0		
8	3.716							25,000.0		
9	2.588	62.9	1,358	96.0	2,072	4,474.0		35,000.0		
10	2.139	66.6	1,188	62.0	1,106	3,598.0		30,000.0		
11	1.984					4,471.0		40,000.0		
12	1.881					4,499.0		40,000.0		
13	1.857					4,183.0		33,000.0		
14	1.967							30,000.0		
15	1.822							30,000.0		
16	1.765	69.7	1,026	96.0	1,413	4,308.0		40,000.0		
17	1.480	168.0	2,074	144.0	1,777	3,795.0		30,000.0		
18	2.422					3,813.0		35,000.0		
19	2.069					3,824.0		25,000.0		
20	1.470					4,309.0		4,729.0		
21	1.417							35,000.0		
22	2.427							35,000.0		
23	2.076	163.0	2,822	102.0	1,766	4,655.0		35,000.0		
24	1.832	130.0	1,986	92.0	1,405	4,306.0		35,000.0		
25	1.661					3,458.0		25,000.0		
26	1.617					3,623.0		30,000.0		
27	1.670					3,533.0		30,000.0		
28	1.364							35,000.0		
29	1.235							35,000.0		
30	1.193	217.0	2,158	250.0	2,487			35,000.0		
31	1.202	132.0	1,323	252.0	2,526	3,452.0		35,000.0		
Avg	1.952	148	1,888	150	1,877	4,007		29,927		
Max	4.861	249	2,822	252	2,526	4,655		40,000		

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: Gene A. Lank II
Title: Operator

License No.: 246163
Date: 6/13/2022

License No.: **246163**
Date: **6/13/2022**

Month: May Year: 2022
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				
Municipality				
County				
DEP Permit No.	PAG07-3504			
Type of Material*	Biosolids			
Dry Tons Applied/Disposed				
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.: **246163**
Date: **June 13, 2022**

11/15/21	1.163		0.17		1.6	<	0.02	<	0.2	<	0.5	<	4.8	<	2.1	<	20.4	<	2.60	<	25.2
11/16/21	1.050		0.14		1.2	<	0.02	<	0.2		1.2		10.7	<	2.3	<	20.0	<	3.50	<	30.6
11/17/21	1.058																				
11/18/21	1.077																				
11/19/21	1.044																				
11/20/21	0.982																				
11/21/21	1.014																				
11/22/21	1.062		0.16		1.4	<	0.02	<	0.2		0.9		7.8	<	1.9	<	17.2	<	2.82	<	25.0
11/23/21	0.929		0.15		1.2		0.13		1.0		0.6		4.5	<	1.9	<	14.9	<	2.50	<	19.4
11/24/21	0.955																				
11/25/21	0.916																				
11/26/21	0.894																				
11/27/21	0.905																				
11/28/21	0.954																				
11/29/21	1.009		0.14		1.2		0.02		0.2	<	0.5	<	4.2	<	2.3	<	19.1	<	2.77	<	23.3
11/30/21	0.903		0.16		1.2		0.02		0.2	<	0.5	<	3.8	<	2.4	<	17.7	<	2.85	<	21.5
12/1/21	0.956																				
12/2/21	0.938																				
12/3/21	0.950																				
12/4/21	0.912																				
12/5/21	0.942																				
12/6/21	0.958		0.18		1.4	<	0.02	<	0.2		0.8		6.5	<	2.2	<	17.6	<	3.01	<	24.0
12/7/21	0.906		0.14		1.1	<	0.02	<	0.2		0.6		4.4	<	2.2	<	16.9	<	2.82	<	21.3
12/8/21	0.936																				
12/9/21	0.947																				
12/10/21	0.924																				
12/11/21	0.875																				
12/12/21	0.911																				
12/13/21	0.956		0.16		1.3	<	0.02	<	0.2		1.1		8.4	<	2.2	<	17.4	<	3.24	<	25.8
12/14/21	0.874		0.19		1.4		0.05		0.4		0.8		6.0	<	2.0	<	14.8	<	2.86	<	20.8
12/15/21	0.908																				
12/16/21	0.888																				
12/17/21	0.880																				
12/18/21	0.891																				
12/19/21	0.881																				
12/20/21	0.913		0.47		3.6		0.06		0.5		1.4		10.4	<	1.9	<	14.8	<	3.31	<	25.2
12/21/21	0.828		0.14		1.0		0.04		0.3		1.0		7.1	<	1.7	<	11.6	<	2.71	<	18.7
12/22/21	0.835																				
12/23/21	0.883																				
12/24/21	0.838																				
12/25/21	0.867																				
12/26/21	0.827																				
12/27/21	0.999		0.14		1.2		0.06		0.5	<	0.5	<	4.2	<	1.9	<	15.6	<	2.37	<	19.7
12/28/21	0.894		0.11		0.8	<	0.02	<	0.1		0.8		5.8	<	1.9	<	14.0	<	2.66	<	19.8
12/29/21	0.895																				
12/30/21	0.890																				
12/31/21	0.828																				
1/1/22	1.406																				
1/2/22	1.124																				
1/3/22	1.001		0.13		1.1	<	0.02	<	0.2		0.82		6.8	<	1.89	<	15.8	<	2.71	<	22.6
1/4/22	0.889		0.15		1.1	<	0.02	<	0.1		0.57		4.2	<	1.88	<	13.9	<	2.45	<	18.2
1/5/22	0.890																				
1/6/22	0.897																				
1/7/22	0.922																				
1/8/22	0.905																				
1/9/22	1.209																				
1/10/22	1.058		0.17		1.5		0.02		0.2		1.19		10.5	<	3.07	<	27.1	<	4.26	<	37.6
1/11/22	0.963		0.15		1.2	<	0.02	<	0.2		1.12		9.0	<	3.05	<	24.5	<	4.17	<	33.5

1/12/22	0.918																			
1/13/22	0.991																			
1/14/22	1.000																			
1/15/22	0.912																			
1/16/22	1.372																			
1/17/22	1.992	0.23		3.8		0.09		1.5		1.58		26.2		2.02		33.6		3.60		59.8
1/18/22	1.298	0.15		1.6	<	0.02	<	0.2		0.91		9.9	<	1.89	<	20.5	<	2.80	<	30.3
1/19/22	1.277																			
1/20/22	1.568																			
1/21/22	1.243																			
1/22/22	1.223																			
1/23/22	1.197																			
1/24/22	1.156	0.13		1.3	<	0.02	<	0.2		0.9		8.7	<	2.23	<	21.5	<	3.13	<	30.2
1/25/22	1.064	0.12		1.1	<	0.02	<	0.2		0.72		6.4	<	2.24	<	19.9	<	2.96	<	26.3
1/26/22	1.046																			
1/27/22	1.067																			
1/28/22	1.072																			
1/29/22	1.018																			
1/30/22	1.046																			
1/31/22	1.036	0.14		1.2		0.2		1.7	<	0.5	<	4.3	<	2.46	<	21.2	<	2.96	<	25.6
2/1/22	1.097	0.16		1.5	<	0.02	<	0.2		1.35		12.3	<	2.52	<	23.0	<	3.87	<	35.4
2/2/22	1.066																			
2/3/22	2.800																			
2/4/22	3.416																			
2/5/22	1.853																			
2/6/22	1.590																			
2/7/22	1.469	0.15		1.8	<	0.02	<	0.2		0.86		10.5	<	2.17	<	26.6	<	3.03	<	37.1
2/8/22	1.328	0.14		1.6		0.15		1.7		0.86		9.5	<	2.12	<	23.5	<	2.98	<	33.0
2/9/22	1.295																			
2/10/22	1.262																			
2/11/22	1.204																			
2/12/22	1.122																			
2/13/22	1.233																			
2/14/22	1.160	0.14		1.4	<	0.02	<	0.2		0.92		8.9	<	2.2	<	21.3	<	3.12	<	30.2
2/15/22	1.088	0.13		1.2		0.11		1.0		1.25		11.3	<	2.32	<	21.1	<	3.57	<	32.4
2/16/22	1.093																			
2/17/22	1.494																			
2/18/22	1.473																			
2/19/22	1.241																			
2/20/22	1.281																			
2/21/22	1.231	0.11		1.1		0.08		0.8	<	0.5	<	5.1	<	2.22	<	22.8	<	2.72	<	27.9
2/22/22	1.189	0.13		1.3	<	0.02	<	0.2		1.05		10.4	<	2.15	<	21.3	<	3.20	<	31.7
2/23/22	1.120																			
2/24/22	1.340																			
2/25/22	1.807																			
2/26/22	1.418																			
2/27/22	1.323																			
2/28/22	1.308	0.16		1.7	<	0.02	<	0.2		0.83		9.1	<	2.25	<	24.5	<	3.08	<	33.6
3/1/22	1.166	0.14		1.4	<	0.02	<	0.2		1.3		12.4	<	2.2	<	21.5	<	3.48	<	33.8
3/2/22	1.151																			
3/3/22	1.176																			
3/4/22	1.141																			
3/5/22	1.037																			
3/6/22	1.010																			
3/7/22	1.092	0.15		1.4	<	0.02	<	0.2		1.1		9.9	<	2.0	<	18.1	<	3.08	<	28.0
3/8/22	1.000	0.14		1.2	<	0.02	<	0.2		1.0		8.3	<	1.9	<	16.0	<	2.91	<	24.3
3/9/22	1.616																			
3/10/22	1.248																			

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9/1/22																					
9/2/22																					
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9/27/22																					
9/28/22																					
9/29/22																					
9/30/22																					
Avg	1.340027		0.21		2.3	<	0.05	<	0.6	<	0.82	<	8.8	<	2.05	<	21.4	<	2.87	<	30.1
Annual Total Mass Loads (lbs):					838			<	223			<	3204			<	7794			<	10997

P Credits Generated: 898

N Credits Generated: 10766

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: **Gene A. Lank II**
Title: **Operator**

License No.: **246163**
Date: **6/13/2022**

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	78.8	< 12	< 203.7	< 682	< 885.7
November	50.2	< 8	< 189.6	< 572.7	< 762.3
December	45.3	< 8.6	< 204.9	< 475.3	< 680.2
January	47.8	< 15.4	< 296.4	< 681.9	< 978.3
February	40.4	< 15.8	< 270.4	< 644.3	< 914.7
March	46.4	< 16.5	< 268.6	< 648.3	< 917
April	105.7	56.8	< 420.6	< 799.2	< 1219.8
May	139.3	< 18.3	< 286.1	< 687.4	< 973.5
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	0.23	< 0.04	< 0.59	< 2.01	< 2.6
November	0.18	< 0.03	< 0.7	< 2.12	< 2.82
December	0.19	< 0.04	< 0.87	< 2	< 2.87
January	0.15	< 0.05	< 0.92	< 2.3	< 3.23
February	0.14	< 0.06	< 0.95	< 2.24	< 3.2
March	0.16	< 0.05	< 0.92	< 2.2	< 3.12
April	0.25	0.13	< 1	< 1.86	< 2.85
May	0.35	< 0.04	< 0.64	< 1.67	< 2.31
June					
July					
August					
September					

Veolia Middletown WWTP

May, 2022

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	1.334																					
02	1.252	221	2,307	2.5	26.09	98.9	230	2,401	2.0	20.88	99.1	0.51	5.32		0.07	0.73	<2.2	<22.44	0.7	7.41	<2.86	<29.9
03	1.270	249	2,637	2.5	26.47	99.0	172	1,821	5.0	52.95	97.1	0.47	4.98	28	0.06	0.64	<2.1	<22.45	0.6	6.25	<2.71	<28.7
04	1.779													3								
05	1.167																					
06	3.993																					
07	4.861																					
08	3.716																					
09	2.588	63	1,358	<2.0	<43.17	96.8	96	2,072	1.0	21.59	99.0	0.18	3.89		0.06	1.30	<1.3	<28.49	0.8	16.41	<2.08	<44.9
10	2.139	67	1,188	<2.0	<35.68	97.0	62	1,106	4.0	71.35	93.5	0.24	4.28	<2	0.05	0.89	<1.2	<21.23	1.0	17.48	<2.17	<38.7
11	1.984													<2								
12	1.881																					
13	1.857																					
14	1.967																					
15	1.822																					
16	1.765	70	1,026	<2.0	<29.44	97.1	96	1,413	4.0	58.88	95.8	0.21	3.09		0.03	0.44	<1.6	<23.11	<0.5	<7.36	<2.07	<30.5
17	1.480	168	2,074	<2.0	<24.69	98.8	144	1,777	4.0	49.37	97.2	0.26	3.21	10	0.07	0.86	<1.8	<21.85	0.9	11.11	<2.67	<33.0
18	2.422													10								
19	2.069																					
20	1.470																					
21	1.417																					
22	2.427																					
23	2.076	163	2,822	<2.0	<34.62	98.8	102	1,766	2.0	34.62	98.0	0.39	6.75		<0.02	<0.35	<1.2	<21.46	<0.5	<8.66	<1.74	<30.1
24	1.832	130	1,986	<2.0	<30.55	98.5	92	1,405	4.0	61.10	95.7	0.25	3.82	5	<0.02	<0.31	<1.5	<22.76	<0.5	<7.64	<1.99	<30.4
25	1.661													3								
26	1.617																					
27	1.670																					
28	1.364																					
29	1.235																					
30	1.193	217	2,158	<2.0	<19.89	99.1	250	2,487	4.0	39.79	98.4	0.46	4.58		<0.02	<0.20	<1.9	<18.80	<0.5	<4.97	<2.39	<23.8
31	1.202	132	1,323	<2.0	<20.05	98.5	252	2,526	2.0	20.05	99.2	0.50	5.01	<2	<0.02	<0.20	<1.9	<19.15	<0.5	<5.01	<2.41	<24.2

REVISED 9/18/15 M

Veolia Middletown WWTP
Daily Effluent Grab Monitoring / Weather

May

2022

Date	Operator Initials	Effluent Grab Sample Time		pH		RPD	Dissolved Oxygen (mg/L)		RPD	Total Residual Chlorine (mg/L)		RPD	Temp.	Influent COD	Comments
		Start	Finish	#1	#2	%	#1	#2	%	#1	#2	%	C	mg/L	
01	GG	0820	0820	7.60	7.60	0.00	8.61	8.61	0.00	0.45	0.46	-2.20	16.3		
02	GL	0843	0843	7.50	7.50	0.00	8.47	8.47	0.00	0.31	0.30	3.28	16.4	397	
03	GL	0848	0848	7.50	7.50	0.00	8.53	8.52	0.12	0.38	0.37	2.67	17.0	296	
04	GL	0846	0846	7.50	7.50	0.00	8.38	8.38	0.00	0.32	0.32	0.00	17.3	409	FC 2 O/S
05	GL	0847	0847	7.30	7.30	0.00	8.19	8.20	-0.12	0.42	0.42	0.00	17.8	330	FC 2 O/S
06	GL	0850	0850	7.50	7.50	0.00	8.02	8.01	0.12	0.50	0.51	-1.98	18.1	505	FC 2 BACK I/S, STORM MODE
07	GL	0747	0747	7.20	7.20	0.00	8.42	8.41	0.12	0.30	0.31	-3.28	15.4		STORM MODE
08	GG	0740	0740	7.30	7.30	0.00	8.70	8.70	0.00	0.32	0.31	3.17	14.6		STORM MODE
09	GL	0846	0846	7.40	7.40	0.00	9.06	9.06	0.00	0.32	0.31	3.17	15.1	132	STORM MODE
10	GG	0805	0805	7.40	7.40	0.00	8.98	8.99	-0.11	0.40	0.37	7.79	16.0	217	STORM MODE
11	GL	0847	0847	7.50	7.50	0.00	8.99	8.98	0.11	0.36	0.35	2.82	16.3	199	STORM MODE
12	GL	0847	0847	7.40	7.40	0.00	8.62	8.61	0.12	0.56	0.57	-1.77	17.1	225	
13	GG	0756	0756	7.40	7.40	0.00	8.60	8.58	0.23	0.42	0.39	7.41	18.0	246	
14	GL	0754	0754	7.50	7.50	0.00	8.38	8.37	0.12	0.34	0.33	2.99	18.5		STORM MODE
15	GG	0820	0820	7.50	7.50	0.00	8.35	8.34	0.12	0.71	0.74	-4.14	19.1		STORM MODE
16	GL	0848	0848	7.40	7.40	0.00	8.27	8.26	0.12	0.40	0.38	5.13	18.8	267	OUT OF STORM MODE @0630HRS
17	GL	0845	0845	7.50	7.50	0.00	8.27	8.25	0.24	0.33	0.33	0.00	18.3	211	
18	GL	0845	0845	7.50	7.50	0.00	8.38	8.38	0.00	0.30	0.31	-3.28	18.1	280	FC 1 O/S, STORM MODE
19	GL	0847	0847	7.30	7.30	0.00	8.36	8.35	0.12	0.27	0.28	-3.64	18.1	284	FC 1 O/S STORM MODE
20	GL	0846	0846	7.50	7.50	0.00	8.65	8.66	-0.12	0.42	0.42	0.00	18.0	229	FC 1 BACK I/S, STORM MODE
21	GL	0750	0750	7.50	7.50	0.00	8.60	8.61	-0.12	0.40	0.40	0.00	18.3		OUT OF STORM MODE @0600HRS
22	GG	0825	0825	7.60	7.60	0.00	8.58	8.59	-0.12	0.32	0.30	6.45	19.9		STORM MODE
23	GL	0848	0848	7.50	7.50	0.00	8.62	8.61	0.12	0.29	0.28	3.51	19.1	305	STORM MODE
24	GL	0847	0847	7.50	7.50	0.00	8.75	8.73	0.23	0.31	0.30	3.28	18.4	397	OUT OF STORM MODE @0630HRS
25	GL	0847	0847	7.60	7.60	0.00	8.91	8.91	0.00	0.31	0.31	0.00	18.3	228	
26	GG	0805	0805	7.50	7.50	0.00	8.64	8.66	-0.23	0.34	0.33	2.99	18.5	313	
27	GG	0830	0830	7.50	7.50	0.00	8.63	8.63	0.00	0.30	0.31	-3.28	18.8	237	
28	GL	0742	0742	7.50	7.50	0.00	8.38	8.38	0.00	0.28	0.28	0.00	18.8		
29	GG	0820	0820	7.60	7.60	0.00	8.53	8.53	0.00	0.32	0.31	3.17	19.2		
30	GG	0815	0815	7.60	7.60	0.00	8.49	8.50	-0.12	0.23	0.22	4.44	20.1		
31	GL	0848	0848	7.60	7.60	0.00	8.41	8.41	0.00	0.29	0.29	0.00	20.2	442	

Veolia Middletown WWTP

Process Control

May

2022

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
01						30,000								12	12
02	4,139	50,394	2,932	70.8	7,524	30,000	1,883	18.96	6.10	0.06	950	690	167	12	12
03	4,316	52,557	2,935	68.0	8,099	30,000	2,026	17.64	6.07	0.04	950	710	165	12	12
04	4,139	50,394	2,932	70.8	9,155	30,000	2,291	15.58	4.95	0.05	950	710	172	15	15
05	3,276	39,888	2,241	68.4	17,456	20,000	2,912	9.37	4.63	0.08	850	430	131	48	0
06	3,980	48,461	2,769	69.6	9,819	0	0		5.70	0.07	950	670	168	12	0
07						25,000								36	24
08						25,000								32	20
09	4,474	54,481	3,098	69.2	8,269	35,000	2,414	15.63	3.97	0.05	970	750	168	12	12
10	3,598	43,813	2,591	72.0	5,297	30,000	1,325	23.80	4.19	0.07	900	600	167	12	6
11	4,471	54,443	3,267	73.1	5,660	40,000	1,888	21.07	4.35	0.04	950	740	166	12	12
12	4,499	54,782	3,115	69.2	6,365	40,000	2,123	17.86	4.87	0.04	950	720	160	12	12
13	4,183	50,938	3,092	73.9	9,157	33,000	2,520	14.94	4.00	0.05	920	640	153	15	12
14						30,000								24	10
15						30,000								16	12
16	4,308	52,457	3,102	72.0	6,526	40,000	2,177	17.35	5.53	0.05	970	720	167	15	18
17	3,795	46,210	2,588	68.2	8,272	30,000	2,070	15.22	4.89	0.04	950	610	161	14	14
18	3,813	46,435	2,600	68.2	7,271	35,000	2,122	14.92	4.36	0.05	950	660	173	10	12
19	3,824	46,564	2,607	68.2	11,968	25,000	2,495	12.72	4.79	0.08	920	570	149	0	48
20	4,309	52,466	2,930	68.0	4,942	4,729	195		4.98	0.05	950	680	158	0	0
21						35,000								6	12
22						35,000								10	12
23	4,655	56,683	3,621	77.8	6,747	35,000	1,969	22.38	3.78	0.06	900	560	120	2	10
24	4,306	52,430	2,928	68.0	6,568	35,000	1,917	18.60	5.08	0.09	940	650	151	6	10
25	3,458	42,111	2,248	65.0	12,660	25,000	2,640	10.37	5.07	0.06	900	530	153	14	10
26	3,623	44,117	2,415	66.7	7,618	30,000	1,906	15.43	5.29	0.07	900	550	152	12	12
27	3,533	43,020	2,446	69.2	7,932	30,000	1,985	15.01	5.62	0.05	870	500	142	12	12
28						35,000								12	12
29						35,000								12	12
30						35,000								12	12
31	3,452	42,031	2,244	65.0	7,609	35,000	2,221	12.30	5.62	0.07	860	460	133	8	10
AVG	4,007	48,794	2,795	69.6	8,329	29,927	1,956	16.3	4.94	0.06	926	626	156	14	12

PA MIDDLETOWN WWTP

THICKENER MONTHLY REPORT

May

2022

DATE	RUN	FEED SLUDGE			DISCHARGE SLUDGE			POLYMER
	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01								
02	7.00	99,305	0.88	7,288	13,464	6.32	7,097	11
03								
04								
05	4.00	59,686	0.93	4,629	11,781	4.64	4,559	4
06	5.00	70,079	0.88	5,143	10,098	5.51	4,640	6
07								
08								
09	6.00	88,083	0.84	6,171	11,781	5.69	5,591	6
10								
11								
12	4.00	53,488	0.90	4,015	6,732	6.09	3,419	5
13	6.50	94,621	1.01	7,970	15,147	4.77	6,026	6
14								
15								
16	6.50	91,802	0.73	5,589	10,098	6.09	5,129	8
17								
18								
19								
20	7.00	101,696	0.85	7,209	16,830	4.73	6,639	5
21								
22								
23	7.00	102,690	0.74	6,338	13,464	4.47	5,019	6
24								
25								
26	4.00	61,391	0.92	4,710	10,098	4.93	4,152	4
27	6.50	94,819	0.92	7,275	16,830	4.37	6,134	7
28								
29								
30								
31	7.00	103,659	0.81	7,003	15,147	4.75	6,000	6
TOTAL	71	1,021,319	10.41	73,340	151,470	62.36	64,405	74

REVISED 7/17/14

Veolia Middletown WWTP

May

2022

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
05/01/22							9.3	8.5	8.5								5/1/22	9:30	143.6	13,464												
05/02/22	GG	137.3	99,305	63,209	47,120	74.5	8.5	8.5	9.3	13,464	7,098	5,291	136.6	14:15	8.8	5/2/22 23:02																
05/03/22																																
05/04/22							9.3	8.5	8.5								5/4/22	13:50	144.6	13,464												
05/05/22	CK	139.4	59,686	46,385	34,457	74.3	8.5	8.5	9.2	11,781	4,557	3,386	138.3	11:15	6.5	5/5/22 17:44																
05/06/22	GG	139.5	70,079	55,149	41,438	75.1	9.2	9.2	9.8	10,098	4,645	3,490	139.5	12:15	5.2	5/6/22 17:28																
05/07/22																																
05/08/22							9.7	8.5	8.5								5/8/22	8:50	143.4	20,196												
05/09/22	CK	140.1	88,083	56,949	42,481	74.6	8.5	8.5	9.2	11,781	5,595	4,174	140.1	13:15	4.7	5/9/22 17:56																
05/10/22																																
05/11/22							9.2	8.5	8.5								5/11/22	13:00	146.4	11,781												
05/12/22	GG	143.5	53,488	60,851	45,535	74.8	8.5	8.5	8.9	6,732	3,416	2,557	143.5	11:15	2.6	5/12/22 13:48																
05/13/22	CK	140.1	94,621	47,695	35,616	74.7	8.9	8.9	9.8	15,147	6,025	4,499	142.8	14:00	2.9	5/13/22 16:53																
05/14/22																																
05/15/22							9.8	8.5	8.5								5/15/22	10:00	145.4	21,879												
05/16/22	GG	143.4	91,802	60,931	44,988	73.8	8.5	8.5	9.1	10,098	5,131	3,789	143.4	14:00	2.6	5/16/22 16:36																
05/17/22																																
05/18/22							9.0	8.0	8.0								5/18/22	14:20	144.6	16,830												
05/19/22																																
05/20/22	GG	136.8	101,696	47,311	32,058	67.8	8.0	8.0	9.0	16,830	6,641	4,500	136.8	14:05	8.5	5/20/22 22:34																
05/21/22																																
05/22/22							8.9	8.0	8.0								5/22/22	9:40	143.2	15,147												
05/23/22	GG	137.6	102,690	44,735	29,766	66.5	8.0	8.0	8.8	13,464	5,023	3,342	137.6	14:15	7.4	5/23/22 21:36																
05/24/22																																
05/25/22							8.8	8.0	8.0								5/25/22	13:55	142.4	13,464												
05/26/22	GG	137.7	61,391	49,303	36,770	74.6	8.0	8.0	8.6	10,098	4,152	3,097	137.7	11:40	7.2	5/26/22 18:53																
05/27/22	GG	135.2	94,819	43,748	31,806	72.7	8.5	8.5	9.5	16,830	6,141	4,464	135.2	14:00	11.3	5/28/22 1:18																
05/28/22																																
05/29/22							9.5	8.0	8.0								5/29/22	9:40	142.5	25,245												
05/30/22																																
05/31/22	GG	137.1	103,659	47,530	34,084	71.7	8.0	8.0	8.9	15,147	6,004	4,306	137.1	14:15	8.0	5/31/22 22:17																

Veolia Middletown WWTP

May

2022

[illegible]

Veolia Middletown WWTP

Centrifuge Monthly Report

May

2022

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	6.25	31,005	2.52	6,516	3.26	31.0	1,106	339	17	78	6.0	8.6	
05													
06													
07													
08													
09													
10													
11	5.50	27,517	2.54	5,829	2.91	33.0	974	334	19	75	5.9	9.0	
12													
13													
14													
15													
16													
17													
18	6.00	29,104	2.59	6,287	3.14	31.8	1,062	338	21	75	6.2	9.4	
19	5.25	26,483	2.59	5,720	2.86	30.8	929	325	14	97	6.8	9.0	
20													
21													
22													
23													
24													
25	5.75	27,809	2.69	6,239	3.12	30.3	1,018	326	13	86	6.0	8.4	
26													
27													
28													
29													
30													
31													

PA MIDDLETOWN WWTP

May, 2022

BIOSOLIDS INVENTORY

DATE	DRY TONS		TO	USE	TOTAL ON SITE
	PROCESSED	DELIVERED			
05/01/22					
05/02/22					
05/03/22					
05/04/22	3.26				12.16
05/05/22					
05/06/22					
05/07/22					
05/08/22					
05/09/22					
05/10/22					
05/11/22	2.91				15.07
05/12/22					
05/13/22					
05/14/22					
05/15/22					
05/16/22					
05/17/22					
05/18/22	3.14				18.21
05/19/22	2.86				21.07
05/20/22					
05/21/22					
05/22/22					
05/23/22					
05/24/22					
05/25/22	3.12				24.19
05/26/22					
05/27/22					
05/28/22					
05/29/22					
05/30/22					
05/31/22					
Total Tons	15.29			Total Tons	24.19
Metric Tons	13.87			Metric Tons	21.94

2022**PA MIDDLETOWN WWTP****BIOSOLIDS INVENTORY**

DATE	Dry Tons (US Short Tons)		Dry Tons (Metric Tons)	
	PROCESSED	DELIVERED	PROCESSED	DELIVERED
Jan, 2022	9.52	12.40	8.64	11.25
Feb, 2022	12.93	12.93	11.73	11.73
Mar, 2022	16.03	13.72	14.54	12.45
Apr, 2022	12.35	5.76	11.20	5.23
May, 2022	15.29		13.87	
Jun, 2022				
Jul, 2022				
Aug, 2022				
Sep, 2022				
Oct, 2022				
Nov, 2022				
Dec, 2022				
Total	66.12	44.81	59.98	40.65
Average	13.22	11.20	12.00	10.16
Maximum	16.03	13.72	14.54	12.45
Minimum	9.52	5.76	8.64	5.23

SUEZ 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		%	%
01/03/22	51,000	37,842	74.2	26,400	13,500	51.1	64.3
01/17/22	54,000	41,040	76.0	25,000	12,800	51.2	68.8
02/01/22	53,000	40,969	77.3	24,700	13,000	52.6	68.3
02/14/22	53,000	41,075	77.5	24,800	13,000	52.4	68.4
03/08/22	55,000	42,570	77.4	23,800	12,800	53.8	69.9
03/21/22	54,000	41,526	76.9	23,500	12,800	54.5	69.2
04/04/22	47,000	36,190	77.0	23,100	12,600	54.5	65.2
04/18/22	43,000	32,465	75.5	23,400	13,200	56.4	59.3
05/02/22	63,000	47,061	74.7	24,000	13,300	55.4	71.7
05/16/22	62,000	46,190	74.5	25,300	14,600	57.7	68.4
AVG	53,500	40,693	76.1	24,400	13,160	53.9	
Avg. % TS Reduction		54.4	Avg. Mass Balance % VS Reduction				67.7

**PA MIDDLETOWN WWTP
2022 Annual Performance**

	Flow Data					
	Total MG	Average MG	Maximum		Minimum	
January	34.760	1.121	01/17/22	1.992	01/04/22	0.889
February	40.299	1.439	02/04/22	3.416	02/02/22	1.066
March	38.115	1.230	03/31/22	1.866	03/08/22	1.000
April	50.658	1.689	04/07/22	3.661	04/30/22	1.150
May	60.508	1.952	05/07/22	4.861	05/05/22	1.167
June						
July						
August						
September						
October						
November						
December						
Total	224.341					
Average	44.868	1.486		3.159		1.054
Maximum	60.508	1.952		4.861		1.167
Minimum	34.760	1.121		1.866		0.889

BOD / CBOD						Phosphorus, Total		Fecal Colif.
Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal	Eff mg/L	Eff Lbs	cfu/100mL
244	3	70,864	825	70,040	98.7	0.15	44	10
249	3	83,688	1,080	82,608	98.6	0.14	47	11
234	4	74,278	1,222	73,056	98.0	0.16	51	46
183	4	77,195	1,737	75,457	97.8	0.25	106	62
148	2	74,646	1,060	73,587	98.2	0.35	175	28
		380,671	5,924	374,747			422	
212	3	76,134	1,185	74,949	98.3	0.21	84	
249	4	83,688	1,737	82,608	98.7	0.35	175	
148	2	70,864	825	70,040	97.8	0.14	44	

	TSS					
	Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal
January	243	6	70,381	1,836	68,545	97.3
February	230	8	77,176	2,647	74,529	96.3
March	226	6	71,876	1,872	70,004	97.1
April	158	8	66,542	3,327	63,215	94.1
May	150	3	75,494	1,615	73,879	97.3
June						
July						
August						
September						
October						
November						
December						
Total			361,470	11,297	350,173	
Average	201.1	6.2	72,294	2,259	70,035	96.4
Maximum	242.8	7.9	77,176	3,327	74,529	97.3
Minimum	149.6	3.2	66,542	1,615	63,215	94.1

Ammonia		TKN		Nitrate+Nitrite				Fecal Colif.
Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Geo. Mean
0.05	14	0.9	268	2.30	668	3.23	935	<2.0
0.06	18	1.0	320	2.24	754	3.20	1,074	<3.0
0.05	17	0.9	291	2.20	699	3.16	1,005	<3.0
0.13	55	1.0	421	1.86	785	2.85	1,206	<6.0
0.04	21	0.6	325	1.67	840	2.31	1,165	<5.0
	126	4	1,625		3,746		5,386	
0.07	25	1	325	2.05	749	2.95	1,077	
0.13	55	1	421	2.30	840	3.23	1,206	
0.04	14	1	268	1.67	668	2.31	935	



M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2214473

Report: 05/11/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2214473-01

Collected By: Client

Sampled: 05/03/22 07:10

Received: 05/03/22 13:06

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	221	mg/l	2.0	SM 5210 B	05/03/22 14:28		KMS
Solids, Total Suspended	230	mg/l	1	SM 2540 D	05/04/22		TMH

Lab ID: 2214473-02

Collected By: Client

Sampled: 05/03/22 08:48

Received: 05/03/22 13:06

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.07	mg/l	0.02	EPA 350.1	05/05/22		MRW
Carbonaceous Biochemical Oxygen Demand	2.5	mg/l	2.0	SM 5210 B	05/03/22 14:57		KMS
Nitrate as N	2.05	mg/l	1.00	EPA 300.0 Rev 2.1	05/03/22 14:39		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/03/22 14:39		JAF
Nitrate+Nitrite as N	<2.15	mg/l	1.10	CALCULATED	05/03/22 14:39		JAF
Nitrogen, Total	<2.86	mg/l	1.60	CALCULATED	05/09/22 22:03		SNF
Nitrogen, Total Kjeldahl (TKN)	0.71	mg/l	0.50	EPA 351.2 Rev 2.0	05/09/22		SNF
Phosphorus as P, Total	0.51	mg/l	0.01	SM 4500-P F	05/05/22		MRW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	05/04/22		TMH



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Additional accreditations by MD (261), NY(12094)

M.J. Reider Associates, Inc.

Lab ID: 2214473-03 **Collected By:** Client **Sampled:** 05/03/22 09:05 **Received:** 05/03/22 13:06
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	28	/100ml	2	SM 9222 D	5/3/22 14:54	5/4/22 14:04		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2214473-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2E0301	05/05/2022	MRW



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2214596

Report: 05/11/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2214596-01

Collected By: Client

Sampled: 05/04/22 07:08

Received: 05/04/22 13:40

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	249	mg/l	2.0	SM 5210 B	05/04/22 15:20		KMS
Solids, Total Suspended	172	mg/l	1	SM 2540 D	05/06/22		GNG

Lab ID: 2214596-02

Collected By: Client

Sampled: 05/04/22 08:46

Received: 05/04/22 13:40

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.06	mg/l	0.02	EPA 350.1	05/06/22		MRW
Carbonaceous Biochemical Oxygen Demand	2.5	mg/l	2.0	SM 5210 B	05/04/22 15:21		KMS
Nitrate as N	2.02	mg/l	1.00	EPA 300.0 Rev 2.1	05/04/22 15:31		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/04/22 15:31		JAF
Nitrate+Nitrite as N	<2.12	mg/l	1.10	CALCULATED	05/04/22 15:31		JAF
Nitrogen, Total	<2.71	mg/l	1.60	CALCULATED	05/10/22 3:06		SNF
Nitrogen, Total Kjeldahl (TKN)	0.59	mg/l	0.50	EPA 351.2 Rev 2.0	05/10/22		SNF
Phosphorus as P, Total	0.47	mg/l	0.01	SM 4500-P F	05/06/22		MRW
Solids, Total Suspended	5	mg/l	1	SM 2540 D	05/06/22		GNG



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M.J. Reider Associates, Inc.

Lab ID: 2214596-03 **Collected By:** Client **Sampled:** 05/04/22 08:58 **Received:** 05/04/22 13:40
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	3	/100ml	2	SM 9222 D	5/4/22 14:43	5/5/22 14:57	M-26	JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2214596-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2E0300	05/05/2022	SNF

Notes and Definitions

M-26 Duplicate analysis was greater than 20%RPD at 86%.



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2215537

Report: 05/18/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2215537-01

Collected By: Client

Sampled: 05/10/22 07:44

Received: 05/10/22 14:25

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	62.9	mg/l	2.0	SM 5210 B	05/10/22 16:21		KMS
Solids, Total Suspended	96	mg/l	1	SM 2540 D	05/11/22		TMH

Lab ID: 2215537-02

Collected By: Client

Sampled: 05/10/22 08:05

Received: 05/10/22 14:25

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.06	mg/l	0.02	EPA 350.1	05/12/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/10/22 17:16		ASD
Nitrate as N	1.22	mg/l	1.00	EPA 300.0 Rev 2.1	05/10/22 16:51		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/10/22 16:51		JAF
Nitrate+Nitrite as N	<1.32	mg/l	1.10	CALCULATED	05/10/22 16:51		JAF
Nitrogen, Total	<2.08	mg/l	1.60	CALCULATED	05/16/22 22:25		SNF
Nitrogen, Total Kjeldahl (TKN)	0.76	mg/l	0.50	EPA 351.2 Rev 2.0	05/16/22		SNF
Phosphorus as P, Total	0.18	mg/l	0.01	SM 4500-P F	05/11/22		AXM
Solids, Total Suspended	1	mg/l	1	SM 2540 D	05/11/22		TMH

Lab ID: 2215537-03

Collected By: Client

Sampled: 05/10/22 10:00

Received: 05/10/22 14:25

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	5/10/22 16:28	5/11/22 14:29		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.:** 2215819**Report:** 05/18/22**Lab Contact:** Bradley T Griffiths**Attention:** Gene Lank**Reported To:** Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff**Lab ID:** 2215819-01**Collected By:** Client**Sampled:** 05/11/22 07:10**Received:** 05/11/22 14:07**Sample Desc:** Influent (24Hr Composite)**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	66.6	mg/l	2.0	SM 5210 B	05/11/22 16:12		KMS
Solids, Total Suspended	62	mg/l	1	SM 2540 D	05/12/22		TMH

Lab ID: 2215819-02**Collected By:** Client**Sampled:** 05/11/22 08:47**Received:** 05/11/22 14:07**Sample Desc:** Effluent (24Hr Composite)**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	05/13/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/11/22 18:06		KMS
Nitrate as N	1.09	mg/l	1.00	EPA 300.0 Rev 2.1	05/11/22 18:01		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/11/22 18:01		JAF
Nitrate+Nitrite as N	<1.19	mg/l	1.10	CALCULATED	05/11/22 18:01		JAF
Nitrogen, Total	<2.17	mg/l	1.60	CALCULATED	05/17/22 3:25		SNF
Nitrogen, Total Kjeldahl (TKN)	0.98	mg/l	0.50	EPA 351.2 Rev 2.0	05/17/22		SNF
Phosphorus as P, Total	0.24	mg/l	0.01	SM 4500-P F	05/13/22		MRW
Solids, Total Suspended	4	mg/l	1	SM 2540 D	05/12/22		TMH

Lab ID: 2215819-03**Collected By:** Client**Sampled:** 05/11/22 09:04**Received:** 05/11/22 14:07**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	5/11/22 16:24	5/12/22 14:47		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.: 2216603

Report: 05/24/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2216603-01

Collected By: Client

Sampled: 05/17/22 07:10

Received: 05/17/22 12:45

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	69.7	mg/l	2.0	SM 5210 B	05/17/22 16:41		KMS
Solids, Total Suspended	96	mg/l	1	SM 2540 D	05/18/22		ALD

Lab ID: 2216603-02

Collected By: Client

Sampled: 05/17/22 08:45

Received: 05/17/22 12:45

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.03	mg/l	0.02	EPA 350.1	05/18/22		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/17/22 16:50		ASD
Nitrate as N	1.47	mg/l	1.00	EPA 300.0 Rev 2.1	05/17/22 15:17		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/17/22 15:17		JAF
Nitrate+Nitrite as N	<1.57	mg/l	1.10	CALCULATED	05/17/22 15:17		JAF
Nitrogen, Total	<2.07	mg/l	1.60	CALCULATED	05/20/22 5:06		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	05/20/22		SNF
Phosphorus as P, Total	0.21	mg/l	0.01	SM 4500-P F	05/18/22		SNF
Solids, Total Suspended	4	mg/l	1	SM 2540 D	05/18/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2216603-03 **Collected By:** Client **Sampled:** 05/17/22 09:00 **Received:** 05/17/22 12:45
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	10	/100ml	2	SM 9222 D	5/17/22 14:43	5/18/22 14:58		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2216603-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2E1032	05/18/2022	AXM



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2216816

Report: 06/01/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2216816-01

Collected By: Client

Sampled: 05/18/22 07:10

Received: 05/18/22 13:17

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	168	mg/l	2.0	SM 5210 B	05/18/22 13:55		KMS
Solids, Total Suspended	144	mg/l	1	SM 2540 D	05/19/22		ALD

Lab ID: 2216816-02

Collected By: Client

Sampled: 05/18/22 08:45

Received: 05/18/22 13:17

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.07	mg/l	0.02	EPA 350.1	05/24/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/18/22 14:05		ASD
Nitrate as N	1.67	mg/l	1.00	EPA 300.0 Rev 2.1	05/18/22 15:42		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/18/22 15:42		JAF
Nitrate+Nitrite as N	<1.77	mg/l	1.10	CALCULATED	05/18/22 15:42		JAF
Nitrogen, Total	<2.67	mg/l	1.60	CALCULATED	05/26/22 17:44		MRW
Nitrogen, Total Kjeldahl (TKN)	0.90	mg/l	0.50	EPA 351.2 Rev 2.0	05/26/22		MRW
Phosphorus as P, Total	0.26	mg/l	0.01	SM 4500-P F	05/24/22		MRW
Solids, Total Suspended	4	mg/l	1	SM 2540 D	05/19/22		ALD

Lab ID: 2216816-03

Collected By: Client

Sampled: 05/18/22 08:58

Received: 05/18/22 13:17

Sample Desc: Effluent (Grab)

Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	10	/100ml	2	SM 9222 D	5/18/22 15:04	5/19/22 14:33		JMW



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

Certificate of Analysis

Laboratory No.: 2217513

Report: 06/09/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2217513-01

Collected By: Client

Sampled: 05/24/22 07:10

Received: 05/24/22 12:55

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	163	mg/l	2.0	SM 5210 B	05/24/22 16:12		KMS
Solids, Total Suspended	102	mg/l	1	SM 2540 D	05/25/22		ALD

Lab ID: 2217513-02

Collected By: Client

Sampled: 05/24/22 08:47

Received: 05/24/22 12:55

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	06/01/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/24/22 16:36		GNG
Nitrate as N	1.14	mg/l	1.00	EPA 300.0 Rev 2.1	05/24/22 20:06		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/24/22 20:06		JAF
Nitrate+Nitrite as N	<1.24	mg/l	1.10	CALCULATED	05/24/22 20:06		JAF
Nitrogen, Total	<1.74	mg/l	1.60	CALCULATED	05/26/22 20:32		MRW
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	05/26/22		MRW
Phosphorus as P, Total	0.39	mg/l	0.01	SM 4500-P F	06/01/22		MRW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	05/25/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2217513-03 **Collected By:** Client **Sampled:** 05/24/22 09:00 **Received:** 05/24/22 12:55
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	5/24/22 15:00	5/25/22 13:46		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2217513-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2E1677	05/31/2022	AXM



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**M.J. Reider Associates, Inc.**ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003**Certificate of Analysis****Laboratory No.:** 2217751**Report:** 06/09/22**Lab Contact:** Bradley T Griffiths**Attention:** Gene Lank**Reported To:** Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff**Lab ID:** 2217751-01**Collected By:** Client**Sampled:** 05/25/22 07:15**Received:** 05/25/22 13:28**Sample Desc:** Influent (24Hr Composite)**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	130	mg/l	2.0	SM 5210 B	05/25/22 14:30		GNG
Solids, Total Suspended	92	mg/l	1	SM 2540 D	05/26/22		ALD

Lab ID: 2217751-02**Collected By:** Client**Sampled:** 05/25/22 08:47**Received:** 05/25/22 13:28**Sample Desc:** Effluent (24Hr Composite)**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	06/01/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/25/22 17:42		GNG
Nitrate as N	1.39	mg/l	1.00	EPA 300.0 Rev 2.1	05/25/22 22:09		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/25/22 22:09		JAF
Nitrate+Nitrite as N	<1.49	mg/l	1.10	CALCULATED	05/25/22 22:09		JAF
Nitrogen, Total	<1.99	mg/l	1.60	CALCULATED	06/04/22 0:45		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	06/04/22		SNF
Phosphorus as P, Total	0.25	mg/l	0.01	SM 4500-P F	06/01/22		MRW
Solids, Total Suspended	4	mg/l	1	SM 2540 D	05/26/22		ALD

Lab ID: 2217751-03**Collected By:** Client**Sampled:** 05/25/22 09:00**Received:** 05/25/22 13:28**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	5/25/22 14:47	5/26/22 13:44		JMW

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Additional accreditations by MD (261), NY(12094)

**M.J. Reider Associates, Inc.**ENVIRONMENTAL TESTING LABORATORY
U.S. EPA/PA DEP #06-00003**Certificate of Analysis****Laboratory No.:** 2218496**Report:** 06/09/22**Lab Contact:** Bradley T Griffiths**Attention:** Gene Lank
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057**Project Info:** Bi-Weekly Inf & Eff**Lab ID:** 2218496-01 **Collected By:** Client **Sampled:** 05/31/22 07:05 **Received:** 05/31/22 14:45
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	217	mg/l	2.0	SM 5210 B	05/31/22 16:55		KMS
Solids, Total Suspended	250	mg/l	1	SM 2540 D	06/01/22		ALD

Lab ID: 2218496-02 **Collected By:** Client **Sampled:** 05/31/22 08:48 **Received:** 05/31/22 14:45
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	06/02/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	05/31/22 17:00		KMS
Nitrate as N	1.79	mg/l	1.00	EPA 300.0 Rev 2.1	05/31/22 19:20		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/31/22 19:20		JAF
Nitrate+Nitrite as N	<1.89	mg/l	1.10	CALCULATED	05/31/22 19:20		JAF
Nitrogen, Total	<2.39	mg/l	1.60	CALCULATED	06/03/22 19:14		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	06/03/22		SNF
Phosphorus as P, Total	0.46	mg/l	0.01	SM 4500-P F	06/02/22		MRW
Solids, Total Suspended	4	mg/l	1	SM 2540 D	06/01/22		ALD

Lab ID: 2218496-03 **Collected By:** Client **Sampled:** 05/31/22 09:05 **Received:** 05/31/22 14:45
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	5/31/22 15:54	6/1/22 14:16		JMW

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Additional accreditations by MD (261), NY(12094)



M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2218701

Report: 06/10/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2218701-01

Collected By: Client

Sampled: 06/01/22 07:05

Received: 06/01/22 13:45

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	132	mg/l	2.0	SM 5210 B	06/01/22 17:15		KMS
Solids, Total Suspended	252	mg/l	1	SM 2540 D	06/02/22		ALD

Lab ID: 2218701-02

Collected By: Client

Sampled: 06/01/22 08:47

Received: 06/01/22 13:45

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	06/08/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	06/01/22 16:14		KMS
Nitrate as N	1.81	mg/l	1.00	EPA 300.0 Rev 2.1	06/01/22 17:11		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	06/01/22 17:11		JAF
Nitrate+Nitrite as N	<1.91	mg/l	1.10	CALCULATED	06/01/22 17:11		JAF
Nitrogen, Total	<2.41	mg/l	1.60	CALCULATED	06/03/22 16:49		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	06/03/22		SNF
Phosphorus as P, Total	0.50	mg/l	0.01	SM 4500-P F	06/08/22		MRW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	06/02/22		ALD



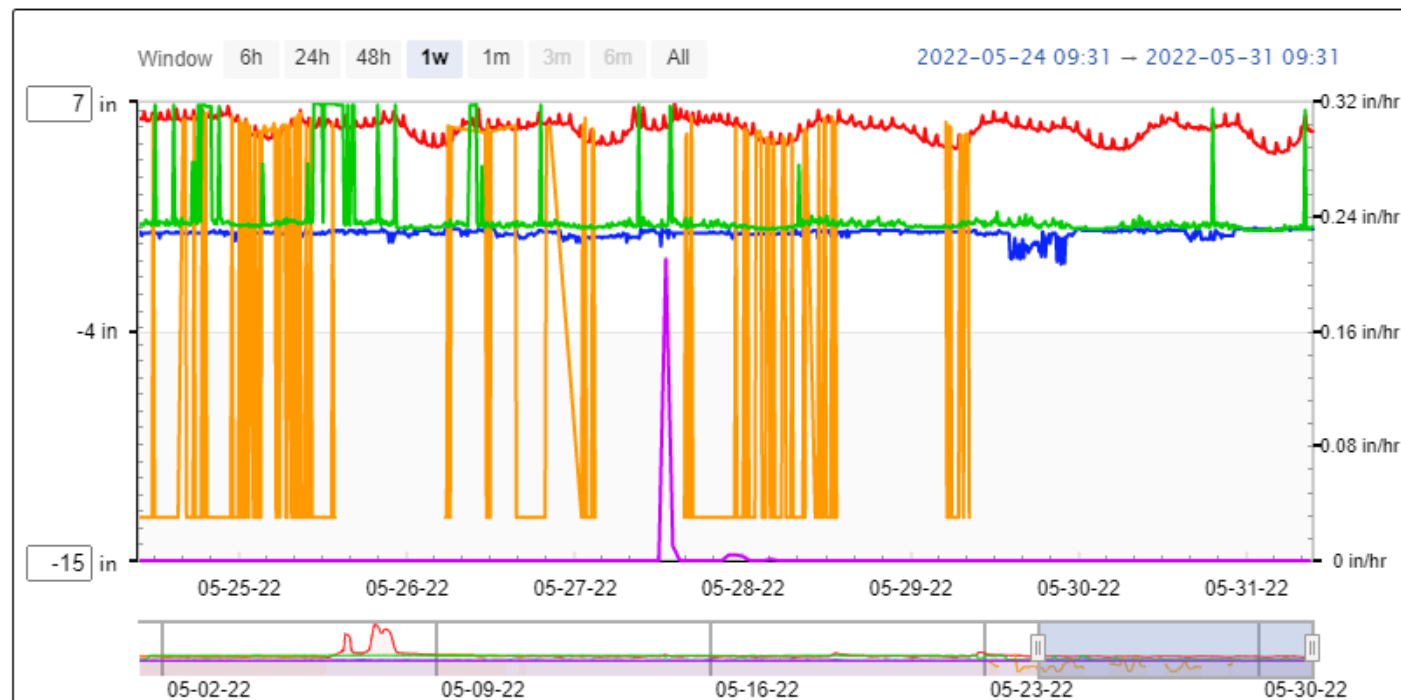

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Additional accreditations by MD (261), NY(12094)

Time Period Custom 

Date Range 2022-05-01 09:31 - 2022-05-31 09:31

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: 0.23 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, 2022

Maximum Day 915,036
Minimum Day 682,236

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	166,660	308,696			95,727	302,447	873,530	68,686
02	162,884	308,605			94,155	296,306	861,950	131,362
03	146,126	308,228			84,071	268,342	806,767	68,718
04	164,411	308,096			94,792	291,317	858,616	129,737
05	151,662	307,627			87,687	277,897	824,873	69,127
06	153,163	308,259			88,602	281,448	831,472	131,277
07	117,462	311,103			67,741	215,066	711,372	65,844
08	153,190	312,716			88,439	282,368	836,713	84,729
09	155,104	313,131			90,485	286,450	845,170	115,402
10	166,300	312,678			97,275	193,037	769,290	66,923
11	142,431	313,932			82,724	264,001	803,088	122,981
12	135,794	312,863			79,141	253,125	780,923	74,189
13	139,078	311,524			80,865	259,195	790,662	67,624
14	124,655	312,919			72,789	232,206	742,569	66,530
15	160,608	312,130			94,035	298,527	865,300	121,009
16	139,464	312,135			81,229	261,592	794,420	63,723
17	149,461	311,550			87,119	278,624	826,754	65,836
18	146,408	311,972			85,447	256,114	799,941	105,653
19	129,604	311,598			75,609	242,984	759,795	102,240
20	140,309	311,222			81,985	262,952	796,468	61,231
21	142,037	310,737			82,960	265,520	801,254	58,615
22	130,955	310,967			77,267	246,091	765,280	65,502
23	182,380	309,567			83,086	340,003	915,036	158,069
24	171,740	309,887			100,300	317,866	899,793	106,403
25	155,332	310,219			91,101	288,758	845,410	64,634
26	133,153	310,539			77,831	246,584	768,107	62,115
27	164,816	310,237			96,422	307,396	878,871	120,640
28	107,836	310,419			63,152	200,829	682,236	57,238
29	163,970	308,929			96,268	289,819	858,986	56,155
30	154,053	308,429			90,534	287,250	840,266	63,298
31	174,959	307,853			103,121	327,337	913,270	124,888
Totals:	4,626,005	9,628,767			2,671,959	8,421,451	25,348,182	2,720,378
Maximum	182,380	313,932			103,121	340,003	915,036	158,069
Minimum	107,836	307,627			63,152	193,037	682,236	56,155
Average	149,226	310,605			86,192	271,660	817,683	87,754

	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 Sun															
6		2 Mon															
7		3 Tue		5-3-22	7.60	16.0	330.0	200.00	103.00	0.05	22.20	<0.02	<0.01	244.00	705.00	7.60	
8		4 Wed															
9		5 Thu															
10		6 Fri															
11		7 Sat															
12		8 Sun															
13		9 Mon															
14		10 Tue		5-10-22	7.60	16.0	337.0	200.00	106.00	0.06	21.60	<0.02	<0.01	254.00	693.00	7.60	
15		11 Wed															
16		12 Thu															
17		13 Fri															
18		14 Sat															
19		15 Sun															
20		16 Mon															
21		17 Tue		5-17-22	7.80	19.0	332.0	205.00	104.00	0.04	20.90	<0.02	<0.01	258.00	699.00	7.80	
22		18 Wed															
23		19 Thu															
24		20 Fri															
25		21 Sat															
26		22 Sun															
27		23 Mon															
28		24 Tue		5-24-22	7.70	20.0	371.0	208.00	118.00	0.06	20.90	<0.02	<0.01	279.00	688.00	7.70	
29		25 Wed															
30		26 Thu															
31		27 Fri															
32		28 Sat															
33		29 Sun															
34		30 Mon															
35		31 Tue		5-31-22	7.80	21.0	326.0	202.00	101.00	0.07	23.40	<0.02	<0.01	281.00	699.00	7.80	
37		MINIMUM		5-10-22	7.60	16.0	326.0	200.00	101.00	0.04	20.90	<0.02	<0.01	244.00	688.00	7.60	
38		MAXIMUM		5-3-22	7.80	21.0	371.0	208.00	118.00	0.07	23.40	<0.02	<0.01	281.00	705.00	7.80	
39		AVERAGE		1	7.70	18.4	339.2	203.00	106.40	0.06	21.80	<0.02	<0.01	263.20	696.80	3.44	
40		SUM		5	38.50	92.0	1,696.0	1,015.00	532.00	0.28	109.00	<0.10	<0.05	1,316.00	3,484.00	17.19	



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2215825

Reported: 05/06/22

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: 2215825-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 05/03/22 08:50 **Received:** 05/03/22 13:06
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	5/3/22 16:49	5/4/22 10:50		NAK	N/A 1

Lab ID: 2215825-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 05/03/22 08:25 **Received:** 05/03/22 13:06
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	5/3/22 16:49	5/4/22 10:50		NAK	N/A 1

Lab ID: 2215825-03 **Collected By:** Client
Sample Desc: 707 Main St & Catherine St. Hydrant
Notes:

Sampled: 05/03/22 08:37 **Received:** 05/03/22 13:06
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	5/3/22 16:49	5/4/22 10:50		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

2215825



PWSID: 7220038

Comments: _____

Collected By :

CHRIS HANNAN

(Full Name)

2215825-01 701 Middletown WWTP

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date: *5-3-22*Time: *0850*

PA DEP Sample Type: D-Distribution

Loc ID: 701 *74*

A - Sterile Pl 125ml NaThio

2215825-02 703 North Union Street Booster Station

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date: *5-3-22*Time: *0825*

PA DEP Sample Type: D-Distribution

Loc ID: 703 *84*

A - Sterile Pl 125ml NaThio

2215825-03 707 Main St & Catherine St. Hydrant

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date: *5-3-22*Time: *0837*

PA DEP Sample Type: D-Distribution

Loc ID: 707 *41*

A - Sterile Pl 125ml NaThio

FRIDGE 0.1

<i>CHRIS HANNAN</i>	<i>5-3-22 0855</i>	<i>FRIDGE</i>	<i>5-3-22 0855</i>
Relinquished By	Date/Time	Received By	Date/Time
_____	_____	<i>[Signature]</i>	<i>5-3-22 0950</i>
Relinquished By	Date/Time	Received By	Date/Time
_____	_____	<i>[Signature]</i>	<i>5-3-22 1306</i>
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.

Sample Kit Prepared By: <i>BAR</i>	Date/Time <i>042622</i>
Sample Temp (°C): <i>20</i>	
Samples on Ice? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA	
Approved By: <i>[Signature]</i>	
Entered By:	



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2215824

Reported: 05/12/22

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: 2215824-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 05/03/22 08:58 **Received:** 05/03/22 13:06
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	2	SM 2320 B	05/04/22		APR	N/A N/A	
Total Hardness as CaCO ₃	330	mg/l	4.56	CALCULATED	05/10/22		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	05/05/22		MRW	N/A N/A	
Silica as SiO ₂	22.2	mg/l	2.14	CALCULATED	05/11/22		HRG	N/A N/A	
Conductivity	705	umhos/cm	1	SM 2510 B	05/04/22		ALL	N/A N/A	
Total Metals									
Calcium	103	mg/l	1	EPA 200.7 Rev 4.4	05/10/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	05/05/22		HRG	N/A 0.3	PASS
Magnesium	17.7	mg/l	0.5	EPA 200.7 Rev 4.4	05/10/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	05/04/22		MPB	N/A 0.05	PASS
Silicon	10.4	mg/l	1.0	EPA 200.7 Rev 4.4	05/11/22		HRG	N/A N/A	

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2215824-01			
SM 4500-P F	SM 4500-P B	05/04/2022	MRW



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Additional accreditations by MD (261), NY(12094)

**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

2215824

Comments: _____

Collected By :

(Full Name)

*Chris Hannan***2215824-01 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: *5-3-22*Time: *0858*

A - Pl 500ml NP, minimal hdspe

B - Pl 500ml HNO3

C - Pl 500ml H2SO4

*FRIDGE 0.1**PH 7.4**TEMP 16**TDS 244**Cl2 0.79**Chris Hannan*

Relinquished By

5-3-22

Date/Time

*0901**FRIDGE*

Received By

5-3-22

Date/Time

0901

Relinquished By

Date/Time

Received By

5-3-22

Date/Time

0950

Relinquished By

Date/Time

Received at Laboratory By

5-3-22

Date/Time

1306

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: 4/26/2022 9:28:19AM

Sample Kit Prepared By:	Date/Time
<i>BAR</i>	<i>042622</i>
Sample Temp (°C):	<i>2.0</i>
Samples on Ice?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>
Approved By:	<i>[Signature]</i>
Entered By:	<i>[Signature]</i>

Report Template:

Page 2 of 3



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2216819

Reported: 05/13/22

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: 2216819-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 05/10/22 08:38 **Received:** 05/10/22 14:25
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	5/10/22 16:24	5/11/22 10:42		NAK	N/A 1

Lab ID: 2216819-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 05/10/22 08:52 **Received:** 05/10/22 14:25
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	5/10/22 16:24	5/11/22 10:42		NAK	N/A 1



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Additional accreditations by MD (261), NY(12094)

**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

2216819



PWSID: 7220038

Collected By:

(Full Name)

CHRIS HANNAN

Comments:

2216819-01 704 Village of Pineford Office

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThioDate: *5-10-22*Time: *0838*Loc ID: 704 *64***2216819-02 705 High Street Standpipe**

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThioDate: *5-10-22*Time: *0852*Loc ID: 705 *99**FRIDGE 0.1**PH
TEMP
TO 5 CH
CH2**CHRIS HANNAN*

Relinquished By

Date/Time

*5-10-22 0906**FRZDGE*

Received By

Date/Time

*5-10-22 0906**MAY 10 2022*

Relinquished By

Date/Time

Received By

Date/Time

MAY 10 2022 1245

Relinquished By

Date/Time

Received at Laboratory By

Date/Time

Sample Kit Prepared By: <i>JXL</i>	Date/Time
Sample Temp (°C): Samples on Ice?	<i>1.4 NR</i> Yes No NA
Approved By:	<i>[Signature]</i>
Entered By:	<i>[Signature]</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.**ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003**Certificate of Analysis****Laboratory No.:** 2216817**Reported:** 05/26/22**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:** 2216817-01 **Collected By:** Client
Sample Desc: 100 Entry Point Well #1**Sampled:** 05/10/22 07:43 **Received:** 05/10/22 14:25
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	05/16/22		WJS	N/A 0.2
1,1,2-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
1,1-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.007
1,2,4-Trichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.07
1,2-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.6
1,2-Dichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
1,2-Dichloropropane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
1,4-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.075
Benzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
Carbon Tetrachloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
Chlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.1
Cis-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.07
Ethylbenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.7
Methylene Chloride (Dichloromethane)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
Styrene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.1
Tetrachloroethene (PCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
Toluene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 1
Trans-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.1
Trichloroethene (TCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
Vinyl Chloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.002
Xylenes, Total	<0.0010	mg/l	0.0010	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 10
Surrogates								
1,2-Dichlorobenzene-d4	96.0%		70-130	EPA 524.2 Rev 4.1	05/16/22		WJS	
4-Bromofluorobenzene	107%		70-130	EPA 524.2 Rev 4.1	05/16/22		WJS	



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Additional accreditations by MD (261), NY(12094)

M.J. Reider Associates, Inc.

Lab ID: 2216817-02 **Collected By:** Client **Sampled:** 05/10/22 07:35 **Received:** 05/10/22 14:25
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	05/16/22		WJS	N/A 0.2
1,1,2-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
1,1-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.007
1,2,4-Trichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.07
1,2-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.6
1,2-Dichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
1,2-Dichloropropane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
1,4-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.075
Benzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
Carbon Tetrachloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
Chlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.1
Cis-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.07
Ethylbenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.7
Methylene Chloride (Dichloromethane)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
Styrene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.1
Tetrachloroethene (PCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
Toluene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 1
Trans-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.1
Trichloroethene (TCE)	0.0008	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.005
Vinyl Chloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 0.002
Xylenes, Total	<0.0010	mg/l	0.0010	EPA 524.2 Rev 4.1	05/16/22		WJS	N/A 10
Surrogates								
1,2-Dichlorobenzene-d4	97.0%		70-130	EPA 524.2 Rev 4.1	05/16/22		WJS	
4-Bromofluorobenzene	105%		70-130	EPA 524.2 Rev 4.1	05/16/22		WJS	

Lab ID: 2216817-04 **Collected By:** Client **Sampled:** 05/10/22 08:09 **Received:** 05/10/22 14:25
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	05/16/22	V-06	WJS	N/A 0.2
1,1,2-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.005
1,1-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.007
1,2,4-Trichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.07



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M.J. Reider Associates, Inc.

Lab ID: 2216817-04 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	05/16/22	V-06	WJS	N/A 0.6
1,2-Dichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.005
1,2-Dichloropropane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.005
1,4-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.075
Benzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.005
Carbon Tetrachloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.005
Chlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.1
Cis-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.07
Ethylbenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.7
Methylene Chloride (Dichloromethane)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.005
Styrene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.1
Tetrachloroethene (PCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.005
Toluene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 1
Trans-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.1
Trichloroethene (TCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.005
Vinyl Chloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 0.002
Xylenes, Total	<0.0010	mg/l	0.0010	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	N/A 10
Surrogates								
1,2-Dichlorobenzene-d4	98.0%		70-130	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	
4-Bromofluorobenzene	103%		70-130	EPA 524.2 Rev 4.1	05/16/22	V-06	WJS	

Lab ID: 2216817-05 **Collected By:** Client
Sample Desc: 102 Entry Point Well #2 TRIP BLANK
Notes:
Comments: Trip blank for 2216817-02

Sampled: 05/10/22 07:35 **Received:** 05/10/22 14:25
PADEP Type: E-Entry Point
PWSID: 7220038 **Loc ID:** 102

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
Volatiles								
Trichloroethene (TCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/17/22		WJS	N/A 0.005
Surrogates								
1,2-Dichlorobenzene-d4	96.0%		70-130	EPA 524.2 Rev 4.1	05/17/22		WJS	
4-Bromofluorobenzene	100%		70-130	EPA 524.2 Rev 4.1	05/17/22		WJS	



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M.J. Reider Associates, Inc.

Notes and Definitions

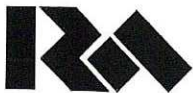
V-06 The following primary contaminant(s) were identified but not requested: Dibromochloromethane, and Bromoform.



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M.J. Reider Associates, Inc.

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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

2216817



PWSID: 7220038

Collected By :
(Full Name)

CHRIS HANNAN

Comments:

Well 40/s

2216817-01 100 Entry Point Well #1

VOA-21 EPA 524.2

Matrix: Drinking Water

Type: Grab

Date: 5-10-22

Time: 0743

PA DEP Sample Type: E-Entry Point

Loc ID: 100

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

2216817-02 102 Entry Point Well #2

VOA-21 EPA 524.2

Matrix: Drinking Water

Type: Grab

Date: 5-10-22

Time: 0735

PA DEP Sample Type: E-Entry Point

Loc ID: 102

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

2216817-03 104 Entry Point Well #4

VOA-21 EPA 524.2

Matrix: Drinking Water

Type: Grab

Date: 0/s

Time: 0/s

PA DEP Sample Type: E-Entry Point

Loc ID: 104

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

CHRIS HANNAN

5-10-22

0909

Relinquished By

Date/Time

FRIDGE

Received By

Date/Time

5-10-22

0909

MAY 10 2022

Received By

Date/Time

MAY 10 2022

Relinquished By

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.

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	-1.4/10P
Samples on Ice?	Yes No NA
Approved By:	CHRIS HANNAN
Entered By:	



M.J. Reider Associates, Inc.

Client Code: 4085

Project Manager: Christina M Kistler

Client: Veolia Middletown

Project: DW-Annual VOCS

2216817

PWSID: 7220038

Collected By :

(Full Name)

CHRIS HANNAN

Comments:

2216817-04 105 Entry Point Well #5

VOA-21 EPA 524.2

Matrix: Drinking Water

Type: Grab

Date: 5-10-22

Time: 0809

PA DEP Sample Type: E-Entry Point

Loc ID: 105

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

FRIDGE 0.1

CHRIS HANNAN

Relinquished By

5-10-22 0909

Date/Time

FRIDGE

Received By

5-10-22 0909

Date/Time

MAY 10 2022

1245

Relinquished By

Date/Time

Received By

Date/Time

MAY 10 2022

1425

Relinquished By

Date/Time

Received at Laboratory By

Date/Time

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	-1.4 AP
Samples on Ice?	Yes No NA
Approved By:	RAH
Entered By:	



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2216818

Reported: 05/19/22

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: 2216818-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 05/10/22 09:10 **Received:** 05/10/22 14:25
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	2	SM 2320 B	05/12/22		APR	N/A N/A	
Total Hardness as CaCO ₃	337	mg/l	4.56	CALCULATED	05/17/22		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	05/12/22		AXM	N/A N/A	
Silica as SiO ₂	21.6	mg/l	2.14	CALCULATED	05/11/22		HRG	N/A N/A	
Conductivity	693	umhos/cm	1	SM 2510 B	05/16/22		KMS	N/A N/A	
Total Metals									
Calcium	106	mg/l	1	EPA 200.7 Rev 4.4	05/17/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	05/11/22		HRG	N/A 0.3	PASS
Magnesium	17.6	mg/l	0.5	EPA 200.7 Rev 4.4	05/17/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	05/11/22		HRG	N/A 0.05	PASS
Silicon	10.1	mg/l	1.0	EPA 200.7 Rev 4.4	05/11/22		HRG	N/A N/A	

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2216818-01			
SM 4500-P F	SM 4500-P B	05/11/2022	AXM



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Client Code:

M.J. Reider Associates, Inc.

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610-374-5129 www.mjreider.com

WORK ORDER

Chain of Custody

2216818



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

Comments:

Collected By :
(Full Name)

CHRIS HANNON

2216818-01 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

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

Date: 5-10-22

Time: 0910

FRIDGE 0.1
PH 7.4
TEMP 14
TDS 254
CH₂ 0.69

CHRIS HANNAN

5.10.22 0912

FRIDGE

5-10-22 0912

Relinquished By

Date/Time

Received By _____

Date/Time

MAY 10 2022 1247

Relinquished By

Date/Time

Received By: _____

Date/Time

MAY 10 2022 1425

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: 5/3/2022 12:45:55PM

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

Report Template: v

Page 2 of 3



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2217753

Reported: 05/19/22

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: 2217753-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 05/17/22 09:09 **Received:** 05/17/22 12:45
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	5/17/22 16:36	5/18/22 11:32		JMW	N/A 1

Lab ID: 2217753-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 05/17/22 08:33 **Received:** 05/17/22 12:45
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	5/17/22 16:36	5/18/22 11:32		JMW	N/A 1

Lab ID: 2217753-03 **Collected By:** Client
Sample Desc: 707 Main St & Catherine St. Hydrant
Notes:

Sampled: 05/17/22 08:55 **Received:** 05/17/22 12:45
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	5/17/22 16:36	5/18/22 11:32		JMW	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 3

2217753



PWSID: 7220038

Collected By : CHRIS HANNAN
(Full Name)

Comments: _____

2217753-01 701 Middletown WWTP

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date: 5-17-22Time: 0909

PA DEP Sample Type: D-Distribution

A - Sterile PI 125ml NaThio

Loc ID: 701 59**2217753-02 703 North Union Street Booster Station**

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date: 5-17-22Time: 0833

PA DEP Sample Type: D-Distribution

A - Sterile PI 125ml NaThio

Loc ID: 703 70**2217753-03 707 Main St & Cathererine St. Hydrant**

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date: 5-17-22Time: 0855

PA DEP Sample Type: D-Distribution

A - Sterile PI 125ml NaThio

Loc ID: 707 75Fridge 0.5Chris Hannan

Relinquished By

5-17-22 0909

Date/Time

Fridge

Received By

5-17-22 0909

Date/Time

Relinquished By

Date/Time

Received By

Date/Time

Relinquished By

Date/Time

Received at Laboratory By

Date/Time

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Page 1 of 1

Printed: 5/10/2022 10:13:16AM

Sample Kit Prepared By:	Date/Time
	<u>3.8</u>
Sample Temp (°C):	
Samples on Ice?	Yes No NA
Approved By:	<u>John</u>
Entered By:	

Report Template: w

Page 2 of 5



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2217752

Reported: 05/24/22

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: 2217752-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 05/17/22 09:10 **Received:** 05/17/22 12:45
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	205	mg CaCO ₃ /L	2	SM 2320 B	05/18/22		APR	N/A N/A	
Total Hardness as CaCO ₃	332	mg/l	4.56	CALCULATED	05/19/22		HRG	N/A N/A	
Phosphorus as P, Total	0.04	mg/l	0.01	SM 4500-P F	05/19/22		SNF	N/A N/A	
Silica as SiO ₂	20.9	mg/l	2.14	CALCULATED	05/19/22		HRG	N/A N/A	
Conductivity	699	umhos/cm	1	SM 2510 B	05/18/22		KMS	N/A N/A	
Total Metals									
Calcium	104	mg/l	1	EPA 200.7 Rev 4.4	05/19/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	05/18/22		HRG	N/A 0.3	PASS
Magnesium	17.7	mg/l	0.5	EPA 200.7 Rev 4.4	05/19/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	05/18/22		MPB	N/A 0.05	PASS
Silicon	9.8	mg/l	1.0	EPA 200.7 Rev 4.4	05/19/22		HRG	N/A N/A	

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2217752-01			
SM 4500-P F	SM 4500-P B	05/18/2022	SNF



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610-374-5129 www.mjreider.com**WORK ORDER
Chain of Custody****2217752****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:****2217752-01 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

A - Pl 500ml NP, minimal hdspc

B - Pl 500ml HNO3

C - Pl 500ml H2SO4

Date: 5-17-22**Time:** 0910*Fridge 0.5
PH 7.8
TEMP 19
TDS 258
CL2 0.59**Chris Hannan*

Relinquished By

*Fridge**5-17-22*

Date/Time

5/17/22

Date/Time

Relinquished By

Relinquished By

Date/Time

Fridge

Received By

Jim Ward

Received By

Jim Ward

Received at Laboratory By

5-17-22

Date/Time

5/17/22

Date/Time

5/17/22

Date/Time

Sample Kit Prepared By:

Date/Time

Sample Temp (°C):

Samples on Ice?

Approved By:

Entered By:

2.2
Yes No NA*[Signature]*



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2218703

Reported: 05/27/22

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: 2218703-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 05/24/22 08:32 **Received:** 05/24/22 12:55
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	5/24/22 17:06	5/25/22 11:27		JMW	N/A 1

Lab ID: 2218703-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 05/24/22 08:18 **Received:** 05/24/22 12:55
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	5/24/22 17:06	5/25/22 11:27		JMW	N/A 1



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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

2218703



PWSID: 7220038

Collected By :

(Full Name)

Chris Hannan

Comments:

2218703-01 704 Village of Pineford Office

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

PA DEP Sample Type: D-Distribution

A - Sterile PI 125ml NaThio

Date: *5-24-22*Time: *0832*Loc ID: 704 *94***2218703-02 705 High Street Standpipe**

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

PA DEP Sample Type: D-Distribution

A - Sterile PI 125ml NaThio

Date: *5-24-22*Time: *0818*Loc ID: 705 *94**Fridge 09**Chris Hannan*

Relinquished By

Relinquished By

Relinquished By

5-24-22

Date/Time

5/24/22

Date/Time

Date/Time

*0846**Fridge*

Received By

Received By

Received at Laboratory By

5-24-22

Date/Time

5/24/22

Date/Time

Date/Time

*0846**10:35**10:55*

Sample Kit Prepared By:

Date/Time

Sample Temp (°C):

Samples on Ice?

Approved By:

Entered By:

*39*Yes ☒ No ☐ NA ☐*[Signature]**[Signature]*



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2218702

Reported: 06/07/22

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: 2218702-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 05/24/22 08:48 **Received:** 05/24/22 12:55
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	208	mg CaCO ₃ /L	2	SM 2320 B	05/26/22		APR	N/A N/A	
Total Hardness as CaCO ₃	371	mg/l	4.56	CALCULATED	05/25/22		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	06/04/22		MRW	N/A N/A	
Silica as SiO ₂	20.9	mg/l	2.14	CALCULATED	05/26/22		HRG	N/A N/A	
Conductivity	688	umhos/cm	1	SM 2510 B	05/31/22		KMS	N/A N/A	
Total Metals									
Calcium	118	mg/l	1	EPA 200.7 Rev 4.4	05/25/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	05/26/22		HRG	N/A 0.3	PASS
Magnesium	18.5	mg/l	0.5	EPA 200.7 Rev 4.4	05/25/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	05/25/22		MPB	N/A 0.05	PASS
Silicon	9.8	mg/l	1.0	EPA 200.7 Rev 4.4	05/26/22		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
2218702-01			
SM 4500-P F	SM 4500-P B	06/03/2022	SNF



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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

2218702



Client: Veolia Middletown

Project: DW-Weekly WWTP Water Lab Sink

Collected By:

(Full Name)

Chris Hannan

Comments:

2218702-01 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

A - PI 500ml NP, minimal hdspe

B - PI 500ml HNO3

C - PI 500ml H2SO4

Date: 5-24-22

Time: 0848

FRIDGE 0.9
PH 7.7
TEMP 20
TDS 279
Cl2 0.52

CHRIS HANNAN

Relinquished By

Fridge

5-24-22 0850

Date/Time

5/24/22

Date/Time

Relinquished By

Relinquished By

Date/Time

FRIDGE

Received By

Jim Ward

Received By

Jim Ward

Received at Laboratory By

5-24-22 0850

Date/Time

5/24/22 10:35

Date/Time

5/24/22 12:55

Date/Time

Sample Kit Prepared By:	Date/Time
Jim Ward	
Sample Temp (°C):	3.9
Samples on Ice?	Yes No NA
Approved By:	Jim Ward
Entered By:	Jim Ward

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.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2219657

Reported: 06/07/22

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: 2219657-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 05/31/22 08:44 **Received:** 05/31/22 14:45
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	2	SM 2320 B	06/02/22		APR	N/A N/A	
Total Hardness as CaCO ₃	326	mg/l	4.56	CALCULATED	06/01/22		HRG	N/A N/A	
Phosphorus as P, Total	0.07	mg/l	0.01	SM 4500-P F	06/04/22		MRW	N/A N/A	
Silica as SiO ₂	23.4	mg/l	2.14	CALCULATED	06/01/22		HRG	N/A N/A	
Conductivity	699	umhos/cm	1	SM 2510 B	06/06/22		KMS	N/A N/A	
Total Metals									
Calcium	101	mg/l	1	EPA 200.7 Rev 4.4	06/01/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	06/02/22		HRG	N/A 0.3	PASS
Magnesium	17.5	mg/l	0.5	EPA 200.7 Rev 4.4	06/01/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	06/02/22		MPB	N/A 0.05	PASS
Silicon	10.9	mg/l	1.0	EPA 200.7 Rev 4.4	06/01/22		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
2219657-01			
SM 4500-P F	SM 4500-P B	06/03/2022	SNF



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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

2219657



Collected By :
(Full Name)

Chris Hannan

Comments:

2219657-01 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

A - PI 500ml NP, minimal hdspe

B - PI 500ml HNO3

C - PI 500ml H2SO4

Date: 5-31-22

Time: 0844

Fridge 1.1

PH 7.8

Temp 21

TDS 281

CL2 0.44

Chris Hannan

Relinquished By

Fridge

5-31-22 0818

Date/Time

Relinquished By

5/31/22 10:53

Date/Time

Relinquished By

Date/Time

Fridge

Received By

Jm Ward

Received By

Jm Ward

Received at Laboratory By

5-31-22 0848

Date/Time

5/31/22 10:53

Date/Time

5/31/22 14145

Date/Time

Sample Kit Prepared By:	Date/Time
Jm Ward	
Sample Temp (°C):	3.3
Samples on Ice?	Yes No NA
Approved By:	Jm Ward
Entered By:	

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



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2215821

Reported: 05/27/22

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: 2215821-01 **Collected By:** Client
Sample Desc: 100 Entry Point Well #1
Notes:

Sampled: 05/03/22 07:23 **Received:** 05/03/22 13:06
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	05/20/22		MEB	N/A 0.0002
Surrogates								
1,3-Dimethyl-2-nitrobenzene	70.4%		70-130	EPA 525.2 Rev 2.0	05/20/22		MEB	
Perylene-d12	103%		70-130	EPA 525.2 Rev 2.0	05/20/22		MEB	
p-Terphenyl-d14	106%		70-300	EPA 525.2 Rev 2.0	05/20/22		MEB	
Pyrene-d10	94.8%		70-130	EPA 525.2 Rev 2.0	05/20/22		MEB	
Triphenylphosphate	81.4%		70-130	EPA 525.2 Rev 2.0	05/20/22		MEB	

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2215821-01			
EPA 525.2 Rev 2.0	EPA 525.2 Rev 2.0	05/12/2022	AAT



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Chain of Custody**

2215821



PWSID: 7220038

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-Annual SOC

Comments: _____

Collected By :
(Full Name)*CHRIS HANNAN***2215821-01 100 Entry Point Well #1**

Semi-VOA EPA 525.2 Short List

Matrix: Drinking Water

Type: Grab

Date: 5-3-22Time: 0723

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 0.1**CHRIS HANNAN*

Relinquished By

5-3-22 0857

Date/Time

FRIDGE

Received By

5-3-22 0857

Date/Time

Relinquished By

Date/Time

Received By

5.3.22 0950

Date/Time

Relinquished By

Date/Time

Received at Laboratory By

5.3.22 1306

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: 4/26/2022 9:28:14AM

Sample Kit Prepared By:	Date/Time
<i>BAR</i>	<i>042622</i>
Sample Temp (°C):	<u>2.0</u>
Samples on Ice?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
Approved By:	<i>[Signature]</i>
Entered By:	<i>[Signature]</i>

Report Template: w

Page 2 of 8



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2215820

Reported: 05/06/22

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: 2215820-01 **Collected By:** Client
Sample Desc: 100 Entry Point Well #1
Notes:

Sampled: 05/03/22 07:29 **Received:** 05/03/22 13:06
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	3.04	mg/l	1.00	EPA 300.0 Rev 2.1	05/03/22 14:14		JAF	N/A 10
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/03/22 14:14		JAF	N/A 1

Lab ID: 2215820-02 **Collected By:** Client
Sample Desc: 102 Entry Point Well #2
Notes:

Sampled: 05/03/22 07:30 **Received:** 05/03/22 13:06
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	3.74	mg/l	1.00	EPA 300.0 Rev 2.1	05/03/22 13:57		JAF	N/A 10
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/03/22 13:57		JAF	N/A 1

Lab ID: 2215820-04 **Collected By:** Client
Sample Desc: 105 Entry Point Well #5
Notes:

Sampled: 05/03/22 08:09 **Received:** 05/03/22 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
General Chemistry								
Nitrate as N	3.86	mg/l	1.00	EPA 300.0 Rev 2.1	05/03/22 14:48		JAF	N/A 10
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/03/22 14:48		JAF	N/A 1

Lab ID: 2215820-05 **Collected By:** Client
Sample Desc: 106 Entry Point Well #6
Notes:

Sampled: 05/03/22 07:48 **Received:** 05/03/22 13:06
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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M.J. Reider Associates, Inc.

Lab ID: 2215820-05 Continued

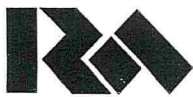
	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
General Chemistry								
Nitrate as N	3.51	mg/l	1.00	EPA 300.0 Rev 2.1	05/03/22 14:31		JAF	N/A 10
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	05/03/22 14:31		JAF	N/A 1



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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

2215820



PWSID: 7220038

Collected By :
(Full Name)

CHRIS HANNAN

Comments:

Well 4 g/s

2215820-01 100 Entry Point Well #1JAF JAF
NO2-N EPA 300.0, NO3-N EPA 300.0

Matrix: Drinking Water

Type: Grab

Date: 5-3-22

Time: 0729

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

Loc ID: 100

2215820-02 102 Entry Point Well #2JAF JAF
NO2-N EPA 300.0, NO3-N EPA 300.0

Matrix: Drinking Water

Type: Grab

Date: 5-3-22

Time: 0730

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

Loc ID: 102

2215820-03 104 Entry Point Well #4

NO2-N EPA 300.0, NO3-N EPA 300.0

Well 6/s

Matrix: Drinking Water

Type: Grab

Date: 6/5

Time: 0730

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

Loc ID: 104

2215820-04 105 Entry Point Well #5JAF JAF
NO2-N EPA 300.0, NO3-N EPA 300.0

Matrix: Drinking Water

Type: Grab

Date: 5-3-22

Time: 0809

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

Loc ID: 105

2215820-05 106 Entry Point Well #6JAF JAF
NO2-N EPA 300.0, NO3-N EPA 300.0

Matrix: Drinking Water

Type: Grab

Date: 5-3-22

Time: 0748

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

Loc ID: 106

CHRIS HANNAN

Relinquished By

5-3-22

Date/Time

0848

FRIDGE

Received By

5-3-22

Date/Time

0848

Relinquished By

Date/Time

Received By

Date/Time

0950

Relinquished By

Date/Time

Received at Laboratory By

Date/Time

1306

FRIDGE 0.1

Sample Kit Prepared By: BAR	Date/Time 042622
Sample Temp (°C): 2.0	
Samples on Ice?	Yes No NA
Approved By: JAF	
Entered By: JAF	



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2215823

Reported: 05/13/22

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: 2215823-02 **Collected By:** Client
Sample Desc: 106 Entry Point Well #6

Sampled: 05/03/22 07:51 **Received:** 05/03/22 13:06
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	05/04/22	V-06	WJS	N/A 0.2	PASS
1,1,2-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.005	PASS
1,1-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.007	PASS
1,2,4-Trichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.07	PASS
1,2-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.6	PASS
1,2-Dichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.005	PASS
1,2-Dichloropropane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.005	PASS
1,4-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.075	PASS
Benzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.005	PASS
Carbon Tetrachloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.005	PASS
Chlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.1	PASS
Cis-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.07	PASS
Ethylbenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.7	PASS
Methylene Chloride (Dichloromethane)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.005	PASS
Styrene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.1	PASS
Tetrachloroethene (PCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.005	PASS
Toluene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 1	PASS
Trans-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.1	PASS
Trichloroethene (TCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.005	PASS
Vinyl Chloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 0.002	PASS
Xylenes, Total	<0.0010	mg/l	0.0010	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS	N/A 10	PASS
Surrogates									
1,2-Dichlorobenzene-d4	96.0%		70-130	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS		
4-Bromofluorobenzene	101%		70-130	EPA 524.2 Rev 4.1	05/04/22	V-06	WJS		



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M.J. Reider Associates, Inc.

Notes and Definitions

V-06	The following primary contaminant(s) were identified but not requested: Dibromochloromethane
Pass	Result less than EPA maximum contaminant level.
Fail	Result greater than EPA maximum contaminant level.



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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

2215823



Client: Veolia Middletown

Project: DW-Quarterly VOCS

Comments:

Well 3 %

Bottles filled by client JAL 5-3-22

Collected By :

(Full Name)

2215823-01 103 Entry Point Well #3

VOA-21 EPA 524.2

Well 0/s

Matrix: Drinking Water

Type: Grab

Date: 0/5

Time:

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

2215823-02 106 Entry Point Well #6

VOA-21 EPA 524.2

Matrix: Drinking Water

Type: Grab

Date: 5-3-22

Time: 0751

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 0.1

CHRIS HANNAN

Relinquished By

5-3-22

Date/Time

0854

Fridge

Received By

5-3-22

Date/Time

0856

Relinquished By

Date/Time

Received By

5-3-22

Date/Time

0950

Relinquished By

Date/Time

Received at Laboratory By

5-3-22

Date/Time

1306

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: 4/26/2022 9:28:17AM

Sample Kit Prepared By:	Date/Time
BAR	042622
Sample Temp (°C):	2.0
Samples on Ice?	Yes No NA
Approved By:	JAL
Entered By:	JAL

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	1013	FREE CHLORINE	301	0.98	050122	100		050122	E	1440	22604		HANNANJ_1
7220038	1013	FREE CHLORINE	301	1.02	050222	100		050222	E	0849	22604		HANNANJ_2
7220038	1013	FREE CHLORINE	301	0.98	050322	100		050322	E	1619	22604		HANNANJ_3
7220038	1013	FREE CHLORINE	301	0.98	050422	100		050422	E	1012	22604		HANNANJ_4
7220038	1013	FREE CHLORINE	301	0.93	050522	100		050522	E	1736	22604		HANNANJ_5
7220038	1013	FREE CHLORINE	301	0.93	050622	100		050622	E	1111	22604		HANNANJ_6
7220038	1013	FREE CHLORINE	301	0.93	050722	100		050722	E	1955	22604		HANNANJ_7
7220038	1013	FREE CHLORINE	301	0.98	050822	100		050822	E	1436	22604		HANNANJ_8
7220038	1013	FREE CHLORINE	301	0.93	050922	100		050922	E	0814	22604		HANNANJ_9
7220038	1013	FREE CHLORINE	301	0.93	051022	100		051022	E	0731	22604		HANNANJ_10
7220038	1013	FREE CHLORINE	301	0.98	051122	100		051122	E	1035	22604		HANNANJ_11
7220038	1013	FREE CHLORINE	301	1.03	051222	100		051222	E	0615	22604		HANNANJ_12
7220038	1013	FREE CHLORINE	301	1.03	051322	100		051322	E	1447	22604		HANNANJ_13
7220038	1013	FREE CHLORINE	301	1.03	051422	100		051422	E	1039	22604		HANNANJ_14
7220038	1013	FREE CHLORINE	301	1.03	051522	100		051522	E	0843	22604		HANNANJ_15
7220038	1013	FREE CHLORINE	301	1.07	051622	100		051622	E	1333	22604		HANNANJ_16
7220038	1013	FREE CHLORINE	301	1.07	051722	100		051722	E	0908	22604		HANNANJ_17
7220038	1013	FREE CHLORINE	301	1.1	051822	100		051822	E	0926	22604		HANNANJ_18
7220038	1013	FREE CHLORINE	301	1.07	051922	100		051922	E	0614	22604		HANNANJ_19
7220038	1013	FREE CHLORINE	301	1.07	052022	100		052022	E	0758	22604		HANNANJ_20
7220038	1013	FREE CHLORINE	301	1.07	052122	100		052122	E	1044	22604		HANNANJ_21
7220038	1013	FREE CHLORINE	301	1.08	052222	100		052222	E	1042	22604		HANNANJ_22
7220038	1013	FREE CHLORINE	301	1.07	052322	100		052322	E	0730	22604		HANNANJ_23

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	1013	FREE CHLORINE	301	1.0	052022	105		052022	E	0800	22604		HANNANJ_144
7220038	1013	FREE CHLORINE	301	1.0	052122	105		052122	E	2359	22604		HANNANJ_145
7220038	1013	FREE CHLORINE	301	0.5	052222	105		052222	E	1310	22604		HANNANJ_146
7220038	1013	FREE CHLORINE	301	0.5	052322	105		052322	E	0944	22604		HANNANJ_147
7220038	1013	FREE CHLORINE	301	1.35	052422	105		052422	E	0811	22604		HANNANJ_148
7220038	1013	FREE CHLORINE	301	1.25	052522	105		052522	E	0913	22604		HANNANJ_149
7220038	1013	FREE CHLORINE	301	1.25	052622	105		052622	E	2109	22604		HANNANJ_150
7220038	1013	FREE CHLORINE	301	1.15	052722	105		052722	E	0809	22604		HANNANJ_151
7220038	1013	FREE CHLORINE	301	1.1	052822	105		052822	E	0433	22604		HANNANJ_152
7220038	1013	FREE CHLORINE	301	1.05	052922	105		052922	E	0918	22604		HANNANJ_153
7220038	1013	FREE CHLORINE	301	1.08	053022	105		053022	E	1101	22604		HANNANJ_154
7220038	1013	FREE CHLORINE	301	1.05	053122	105		053122	E	1900	22604		HANNANJ_155
7220038	1013	FREE CHLORINE	301	1.0	050122	106		050122	E	0956	22604		HANNANJ_156
7220038	1013	FREE CHLORINE	301	1.0	050222	106		050222	E	0941	22604		HANNANJ_157
7220038	1013	FREE CHLORINE	301	1.0	050322	106		050322	E	1721	22604		HANNANJ_158
7220038	1013	FREE CHLORINE	301	1.0	050422	106		050422	E	1901	22604		HANNANJ_159
7220038	1013	FREE CHLORINE	301	1.0	050522	106		050522	E	1818	22604		HANNANJ_160
7220038	1013	FREE CHLORINE	301	1.0	050622	106		050622	E	1958	22604		HANNANJ_161
7220038	1013	FREE CHLORINE	301	1.0	050722	106		050722	E	0538	22604		HANNANJ_162
7220038	1013	FREE CHLORINE	301	1.0	050822	106		050822	E	1020	22604		HANNANJ_163

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	1013	FREE CHLORINE	301	1.0	050922	106		050922	E	1804	22604		HANNANJ_164
7220038	1013	FREE CHLORINE	301	1.05	051022	106		051022	E	1656	22604		HANNANJ_165
7220038	1013	FREE CHLORINE	301	1.0	051122	106		051122	E	1116	22604		HANNANJ_166
7220038	1013	FREE CHLORINE	301	1.05	051222	106		051222	E	2118	22604		HANNANJ_167
7220038	1013	FREE CHLORINE	301	1.05	051322	106		051322	E	1009	22604		HANNANJ_168
7220038	1013	FREE CHLORINE	301	1.05	051422	106		051422	E	1137	22604		HANNANJ_169
7220038	1013	FREE CHLORINE	301	1.05	051522	106		051522	E	0941	22604		HANNANJ_170
7220038	1013	FREE CHLORINE	301	1.05	051622	106		051622	E	1952	22604		HANNANJ_171
7220038	1013	FREE CHLORINE	301	1.05	051722	106		051722	E	2146	22604		HANNANJ_172
7220038	1013	FREE CHLORINE	301	1.05	051822	106		051822	E	1900	22604		HANNANJ_173
7220038	1013	FREE CHLORINE	301	1.05	051922	106		051922	E	2227	22604		HANNANJ_174
7220038	1013	FREE CHLORINE	301	1.05	052022	106		052022	E	1703	22604		HANNANJ_175
7220038	1013	FREE CHLORINE	301	1.0	052122	106		052122	E	1136	22604		HANNANJ_176
7220038	1013	FREE CHLORINE	301	1.0	052222	106		052222	E	1920	22604		HANNANJ_177
7220038	1013	FREE CHLORINE	301	1.0	052322	106		052322	E	2222	22604		HANNANJ_178
7220038	1013	FREE CHLORINE	301	1.0	052422	106		052422	E	2308	22604		HANNANJ_179
7220038	1013	FREE CHLORINE	301	0.95	052522	106		052522	E	1615	22604		HANNANJ_180
7220038	1013	FREE CHLORINE	301	0.9	052622	106		052622	E	1124	22604		HANNANJ_181
7220038	1013	FREE CHLORINE	301	0.95	052722	106		052722	E	1916	22604		HANNANJ_182
7220038	1013	FREE CHLORINE	301	0.95	052822	106		052822	E	2124	22604		HANNANJ_183

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	1013	FREE CHLORINE	301	1.0	050922	106		050922	E	1804	22604		HANNANJ_164
7220038	1013	FREE CHLORINE	301	1.05	051022	106		051022	E	1656	22604		HANNANJ_165
7220038	1013	FREE CHLORINE	301	1.0	051122	106		051122	E	1116	22604		HANNANJ_166
7220038	1013	FREE CHLORINE	301	1.05	051222	106		051222	E	2118	22604		HANNANJ_167
7220038	1013	FREE CHLORINE	301	1.05	051322	106		051322	E	1009	22604		HANNANJ_168
7220038	1013	FREE CHLORINE	301	1.05	051422	106		051422	E	1137	22604		HANNANJ_169
7220038	1013	FREE CHLORINE	301	1.05	051522	106		051522	E	0941	22604		HANNANJ_170
7220038	1013	FREE CHLORINE	301	1.05	051622	106		051622	E	1952	22604		HANNANJ_171
7220038	1013	FREE CHLORINE	301	1.05	051722	106		051722	E	2146	22604		HANNANJ_172
7220038	1013	FREE CHLORINE	301	1.05	051822	106		051822	E	1900	22604		HANNANJ_173
7220038	1013	FREE CHLORINE	301	1.05	051922	106		051922	E	2227	22604		HANNANJ_174
7220038	1013	FREE CHLORINE	301	1.05	052022	106		052022	E	1703	22604		HANNANJ_175
7220038	1013	FREE CHLORINE	301	1.0	052122	106		052122	E	1136	22604		HANNANJ_176
7220038	1013	FREE CHLORINE	301	1.0	052222	106		052222	E	1920	22604		HANNANJ_177
7220038	1013	FREE CHLORINE	301	1.0	052322	106		052322	E	2222	22604		HANNANJ_178
7220038	1013	FREE CHLORINE	301	1.0	052422	106		052422	E	2308	22604		HANNANJ_179
7220038	1013	FREE CHLORINE	301	0.95	052522	106		052522	E	1615	22604		HANNANJ_180
7220038	1013	FREE CHLORINE	301	0.9	052622	106		052622	E	1124	22604		HANNANJ_181
7220038	1013	FREE CHLORINE	301	0.95	052722	106		052722	E	1916	22604		HANNANJ_182
7220038	1013	FREE CHLORINE	301	0.95	052822	106		052822	E	2124	22604		HANNANJ_183

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	1013	FREE CHLORINE	301	0.9	052922	106		052922	E	0954	22604		HANNANJ_184
7220038	1013	FREE CHLORINE	301	0.9	053022	106		053022	E	1742	22604		HANNANJ_185
7220038	1013	FREE CHLORINE	301	0.95	053122	106		053122	E	0151	22604		HANNANJ_186
7220038	1013	FREE CHLORINE	301	0.74	050322	701		050322	D	0850	22604		HANNANJ_187
7220038	1013	FREE CHLORINE	301	0.59	051722	701		051722	D	0909	22604		HANNANJ_192
7220038	1013	FREE CHLORINE	301	0.84	050322	703		050322	D	0825	22604		HANNANJ_188
7220038	1013	FREE CHLORINE	301	0.7	051722	703		051722	D	0833	22604		HANNANJ_193
7220038	1013	FREE CHLORINE	301	0.64	051022	704		051022	D	0838	22604		HANNANJ_190
7220038	1013	FREE CHLORINE	301	0.94	052422	704		052422	D	0832	22604		HANNANJ_195
7220038	1013	FREE CHLORINE	301	0.99	051022	705		051022	D	0852	22604		HANNANJ_191
7220038	1013	FREE CHLORINE	301	0.94	052422	705		052422	D	0818	22604		HANNANJ_196
7220038	1013	FREE CHLORINE	301	0.61	050322	707		050322	D	0837	22604		HANNANJ_189
7220038	1013	FREE CHLORINE	301	0.75	051722	707		051722	D	0855	22604		HANNANJ_194
7220038	1013	FREE CHLORINE	301	0.73	053122	707		053122	D	0832	22604		HANNANJ_197



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

Data Added Successfully by HANNANJ

1 message

ra-padwis@state.pa.us <ra-padwis@state.pa.us>
 To: kodi.webb@veolia.com, james.hannan@suez.com

Mon, Jun 6, 2022 at 10:13 AM

HANNANJ successfully added data to DWELR on 06/06/22 at 10:17 AM. Form: SDWA1.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_187	701	050322
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_188	703	050322
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_189	707	050322
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_190	704	051022
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_191	705	051022
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_192	701	051722
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_193	703	051722
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_194	707	051722
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_195	704	052422
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_196	705	052422
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_197	707	053122

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



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

File Uploaded Successfully by HANNANJ

6 messages

ra-padwis@state.pa.us <ra-padwis@state.pa.us>
To: kodi.webb@veolia.com, james.hannan@suez.com

Mon, Jun 6, 2022 at 10:03 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 100 Well No 1 (2).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>
To: kodi.webb@veolia.com, james.hannan@suez.com

Mon, Jun 6, 2022 at 10:04 AM

HANNANJ uploaded a file successfully to DWELR.

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

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us>
To: kodi.webb@veolia.com, james.hannan@suez.com

Mon, Jun 6, 2022 at 10:04 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 103 Well No 3 (2).xls	HANNANJ	HANNANJ_63 through HANNANJ_93

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us>
To: kodi.webb@veolia.com, james.hannan@suez.com

Mon, Jun 6, 2022 at 10:05 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 104 Well No 4 (2).xls	HANNANJ	HANNANJ_94 through HANNANJ_124

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us>
To: kodi.webb@veolia.com, james.hannan@suez.com

Mon, Jun 6, 2022 at 10:05 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 105 Well No 5 (2).xls	HANNANJ	HANNANJ_125 through HANNANJ_155

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us>
To: kodi.webb@veolia.com, james.hannan@suez.com

Mon, Jun 6, 2022 at 10:06 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 106 Well No 6 (3).xls	HANNANJ	HANNANJ_156 through HANNANJ_186

[Quoted text hidden]

MIDDLETOWN MONTHLY REPORT

APPENDIX 3 CUSTOMER SERVICE

MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS

&

HOMESERVE REPORT

DATES: 5/01/2022 THRU 6/01/2022

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	2,706	559,873.98	648,004.76	1,207,878.74	NEW ACCOUNTS: 25
DISCONNECTED ACCTS:	25	1,924.78	1,501.62	3,426.40	DISCONNECT--NO TRF: 25
FINALED ACCOUNTS:	334	15,305.98		15,305.98	DISCONNECT-TRANSFER: 0
INACTIVE ACCOUNTS:	12,276	0.00		0.00	

GRAND TOTALS 15,341 577,104.74 649,506.38 1,226,611.12

CALCULATION SUMMARY

TOTAL CHARGES:	649,506.38
DEPOSIT RETURNS:	0.00
TOTAL CURRENT:	649,506.38

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

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
S SEWER	2647	345,988.24	0.00	0.00	0.00	14840,700.0000		14840,700.0000
SR SURCHARGE	4	0.00	0.00	0.00	0.00			
SR2 SURCHARGE 2	2697	83,713.33	0.00	0.00	0.00			
W WATER	5354	219,804.81	0.00	0.00	0.00	18711,600.0000		18711,600.0000
TOTALS		649,506.38	0.00	0.00	0.00			

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

R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
SERVICES:		
200-WTR MDT	687-145900	70,018.97
203-WTR MDT COMMERCIAL	687-145900	88,732.16
206-CUSTOMER CHARGE	687-145900	10,901.76
207-SERVICE CHG / METER	687-145900	42,916.59
210-WTR ROYAL	687-145900	7,134.50
220-WTR L SWT	687-145900	100.83
230-SURCHARGE WATER/SEWER	687-145900	0.00
231-SURCHARGE WATER/SEWER	687-145900	83,713.33
300-SWR MDT	687-145800	289,206.48
306-SW CUST CHARGE	687-145800	56,781.76
310-SWR ROYAL	687-145800	0.00
320-SWR L SWT	687-145800	0.00

R/C TOTALS 649,506.38

===== 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	2645	345,988.24	0.00	0.00	0.00	14,840,700.0000	802

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	2697	83,713.33	0.00	0.00	0.00		
W	200	C10	COMM 1" MTR	C10	35	3,738.30	0.00	0.00	0.00	325,000.0000	
W	200	C15	COMM 1 1/2" MTR	C15	9	7,001.95	0.00	0.00	0.00	738,200.0000	
W	200	C20	COMM 2" MTR	C20	21	17,244.44	0.00	0.00	0.00	1,818,700.0000	
W	200	C30	COMM 3" MTR	C30	5	6,848.87	0.00	0.00	0.00	728,600.0000	
W	200	C40	COMM 4" MTR	C40	2	233.90	0.00	0.00	0.00	18,000.0000	
W	200	C58	COMM 5/8" MTR	C58	8	436.80	0.00	0.00	0.00	30,200.0000	
W	200	C60	COMM 6" MTR	C60	13	51,535.11	0.00	0.00	0.00	5,539,200.0000	
W	200	C75	COMM 3/4" MTR	C75	2	176.90	0.00	0.00	0.00	14,800.0000	
W	200	C80	COMM 8" MTR	C80	4	4,176.24	0.00	0.00	0.00	432,100.0000	
W	200	COM	COMPOUND WATER N/C	COM	14	0.00	0.00	0.00	0.00		
W	200	LS8	LOWER SWAT 8" MTR	LS8	1	100.83	0.00	0.00	0.00	5,500.0000	
W	200	NCW	NO CHG	NCW	27	0.00	0.00	0.00	0.00	51,800.0000	
W	200	R10	RESID 1" MTR	R10	6	228.56	0.00	0.00	0.00	10,900.0000	
W	200	R58	RESID - 5/8" MTR	R58	2569	117,813.94	0.00	0.00	0.00	7,270,700.0000	
W	200	R60	RESID 6" MTR	R60	1	2,706.67	0.00	0.00	0.00	289,400.0000	
W	200	R75	RESID 3/4" MTR	R75	3	297.55	0.00	0.00	0.00	25,700.0000	
W	200	RB6	ROYALTON BOR 6" MTR	RB6	2	7,134.50	0.00	0.00	0.00	1,412,800.0000	
W	210	A1V	FLAT RATE WATER -VAR	A1V	2	130.25	0.00	0.00	0.00		
W	220	MC	WATER METER CHARGE - MC	MC	2630	0.00	0.00	0.00	0.00		
TOTALS						649,506.38	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	18,711,600.0000	0.000	18,711,600.0000	

===== 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

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

==== REVENUE CODE TOTALS ====

REVENUE CODE:	--CURRENT--	+1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	--BALANCE--
081-NSF CK FEE	0.00	73.13	5.77	1.10	0.00	80.00
200-WTR MDT	69182.86	14246.45	6109.92	2363.72	6889.63	98792.58
201-WATER TURN ON	0.00	71.44	23.10	21.32	4.14	120.00
203-WTR MDT COMMERCIAL	88762.88	13565.09	5683.18	4677.31	616.19	113304.65
206-CUSTOMER CHARGE	10492.12	2053.72	861.77	353.78	2620.45	16381.84
207-SERVICE CHG / METER	41263.76	8077.89	3381.65	1395.49	10201.13	64319.92
210-WTR ROYAL	7134.50	0.00	0.00	0.00	0.00	7134.50
220-WTR L SWT	100.83	0.00	0.00	0.00	0.00	100.83
230-SURCHARGE WATER/SEWER	16.28	25.22	25.16	27.20	1783.87	1877.73
231-SURCHARGE WATER/SEWER	80524.63	7231.60	3662.77	2498.69	1319.50	95237.19
275-WTR PEN	174.48CR	2041.01	807.57	360.21	757.20	3791.51
300-SWR MDT	284290.69	47724.98	24823.56	14799.46	15708.23	387346.92
306-SW CUST CHARGE	54622.85	10883.77	4620.96	1997.66	25367.76	97493.00
375-SWR PEN	244.86CR	3520.75	1424.77	664.19	1833.53	7198.38
996-UNAPPLIED	14355.50CR	0.00	0.00	0.00	0.00	14355.50CR
999-REFUND	1261.53CR	0.00	0.00	0.00	0.00	1261.53CR
TOTALS	620355.03	109515.05	51430.18	29160.13	67101.63	877562.02

TOTAL REVENUE CODES: 877,562.02

TOTAL ACCOUNT BALANCE: 877,562.02

DIFFERENCE: 0.00

6/10/2022 10:43 AM
ZONE: < All Zones >
SORT: ACCOUNT

M X U R E P O R T

PAGE: 70
GROUP: * - All Groups

METER NO#	ACCOUNT NO#	NAME	ADDRESS	MXU TYPE	MXU ID
W 89769378	INVENTORY				1483439978
W 89769379	INVENTORY				1483441800
W 89769380	INVENTORY				1483439974
W 89769381	INVENTORY				1483439982
W 89769382	INVENTORY				1483440690
W 89769383	INVENTORY				1483441674
W 89769384	INVENTORY				1483434890
W 89769385	INVENTORY				1483434850
W 68321084	INVENTORY				1440302592 Duplica
W 68321092	INVENTORY				1460155946 Duplica
W 68321088	INVENTORY				1460082070 Duplica
W 8652384	INVENTORY				1440127130 Duplica
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 37016026	INVENTORY				1470153476
W 27016014	INVENTORY				1548612198
W 85441897	INVENTORY				1563419820
W 53388599	INVENTORY				1551754996
W 10871871	INVENTORY				1568031178
*** TOTAL METERS IN SERVICE		2727			
*** TOTAL METERS IN INVENTORY		688			

ACTION		----- ISSUED THIS PERIOD -----				----- PRIOR ORDERS -----			TOTAL	TOTAL
		ISSUED	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	OUTSTANDING
C	CONNECT	2	2	0	0	135	4	0	137	0
D	DISCONNECT	1	0	1	0	45	3	0	45	0
F	CUTOFF	0	0	0	0	3	3	0	3	0
I	METER INFO	55	54	1	0	3,046	77	0	3,100	0
M	METER CHANGE	7	7	0	0	611	6	0	618	0
O	OCC CHANGE	22	21	1	0	1,273	2	0	1,294	0
R	REINSTATE	0	0	0	0	2	2	0	2	0
S	SERV CHANGE	0	0	0	0	33	0	0	33	0
X	MISC	9	9	0	0	771	23	0	780	0
** GRAND TOTALS **		96	93	3	0	5,919	120	0	6,012	0

**** REPORT TOTALS ****

Book	Services	Addresses
02 - BOOK 02	2	1
04 - BOOK 04	3	0
08 - BOOK 08	6	4
09 - BOOK 09	1	0
12 - BOOK 12	5	3
13 - BOOK 13	1	1
15 - BOOK 15	2	0
16 - BOOK 16	3	0
18 - BOOK 18	2	0
20 - BOOK 20	1	1
21 - BOOK 21	3	2
28 - BOOK 28	1	1
29 - BOOK 29	1	1
32 - BOOK 32	1	1
Grand Totals	32	15

06-01-2022 10:36 AM
PERIOD: 5/01/2022 THRU 6/01/2022
ZONE: * - All Zones
REVENUE CODE: All
ADJUSTMENT CODES:

MONTHLY TRANSACTION REPORT

PAGE: 19

===== MONTHLY DISTRIBUTION =====

TYPE	MONTH	COUNT	AMOUNT
ADJUSTMENT	05/2022	206	1,264.65
ADJUSTMENT TOTAL			1,264.65
BILL	05/2022	2,749	979,575.11
	06/2022	2	330,068.73CR
BILL TOTAL			649,506.38
APPLIED DEPOSIT	05/2022	1	0.00
APPLIED TOTAL			0.00
LATE CHARGE	05/2022	495	8,039.54
LATE TOTAL			8,039.54
MEMO	05/2022	36	0.00
MEMO TOTAL			0.00
PAYMENT	05/2022	2,092	640,978.28CR
PAYMENT TOTAL			640,978.28CR
DRAFT	05/2022	360	74,037.49CR
DRAFT TOTAL			74,037.49CR
REVERSE-PAY	05/2022	2	14,651.92
REVERSE PAY TOTAL			14,651.92
GRAND TOTAL FOR PERIOD			41,553.28CR

Difference - adj total + \$ Billed - Other Revenue
\$9,304.19

Total Collected = \$715,015.77

*** SERVICE CATEGORY TOTALS ***

SERV CATG	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL AMOUNT
S	2,649	14,840,700	14,840,700			\$ 345,988.24
SR	2,673	0	0			
SR2	2,699	0	0			
W	5,356	18,711,600	18,711,600			\$ 83,713.33
						\$ 219,804.81

MAY 2022 CUSTOMER SERVICE CALLS																								
SUEZ 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 2nd, 2022	45	0	45	3						11		22	3	2	3	1								
May 3rd, 2022	52	1	53	4			2			14		16	10	3	3									
May 4th, 2022	71	5	76	3						15		41	12											
May 5th, 2022	50	2	52	2			2			10		27	9											
May 6th, 2022	55	2	57							7		40	8											
May 9th, 2022	46	2	48	3			2			9		20	12											
May 10th, 2022	35	3	38	2						6		21	6											
May 11th, 2022	52	2	54	4						8		30	4	2	4									
May 12th, 2022	53	0	53	3						8		31	11											
May 13th, 2022	79	2	81	2						10		62	5											
May 16th, 2022	78	0	78	4						7		62			5									
May 17th, 2022	31	5	36	1						4		25										1		
May 18th, 2022	49	0	49				2			11		31		3	2									
May 19th, 2022	25	6	31	2			1			1		19		1	1									
May 20th, 2022	38	1	39	3			3			8		24												
May 23rd, 2022	40	5	45	4			2			7		21		2	4									
May 24th, 2022	37	1	38	6			1			4		23		1	2									
May 25th, 2022	21	2	23	3						10		2	2	4										
May 26th, 2022	22	4	26	4			2			1		9	1	2	3									
May 31st, 2022	50	0	50	5						5		36	2	1	1									
GRAND TOTALS	929	43	972	58	0	0	17	0	0	146	0	570	85	18	32	1	0	0	0	0	0	1	0	

2022 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	2/15/2022	2/17/2022	247	2/15/2022	81	NO SHUT OFF DUE TO WEATHER
February Bill Cycle	3/16/2022	3/21/2022	224	3/11/2022	53	4 Shut offs (3 Occupied, 1 Vacant) 3 Properties turned back on
March Bill Cycle	4/18/2022	4/22/2022	193	4/7/2022	57	NO SHUT OFFS
April Bill Cycle	5/16/2022	5/19/2022	228	5/9/2022	54	3 SHUT OFFS (3 OCCUPIED) 3 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						

Partner Reporting Dashboard

[Back to Partner Select Page](#)

SUEZ (Middletown)

Date Start

2021-04-30

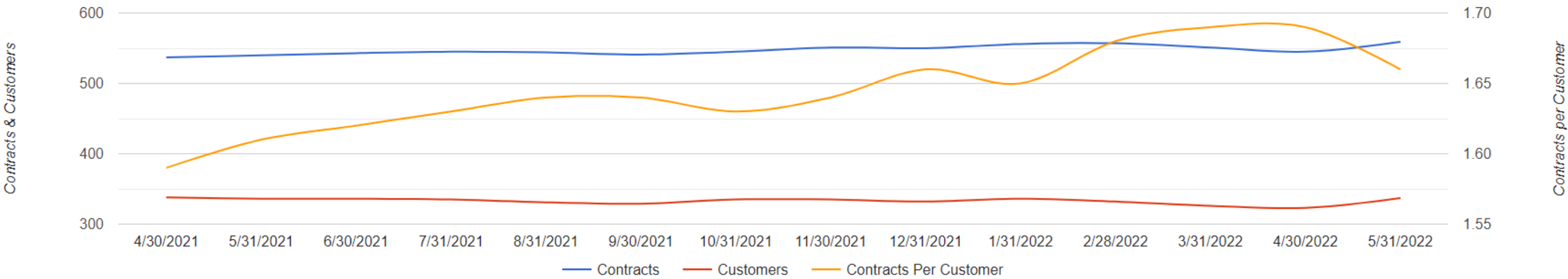
Date End

2022-05-31

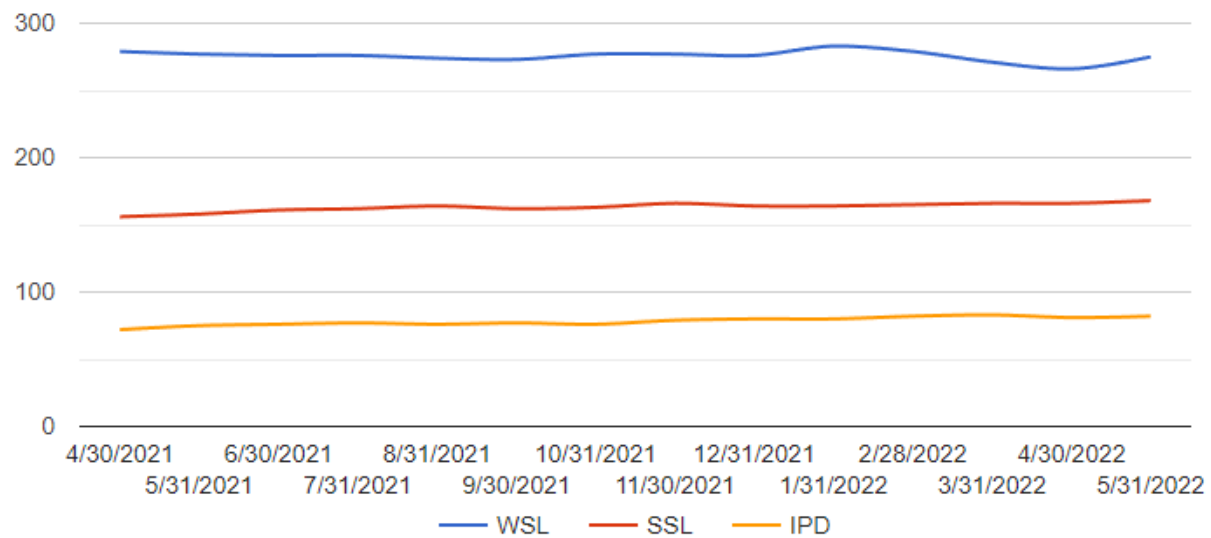
Filter



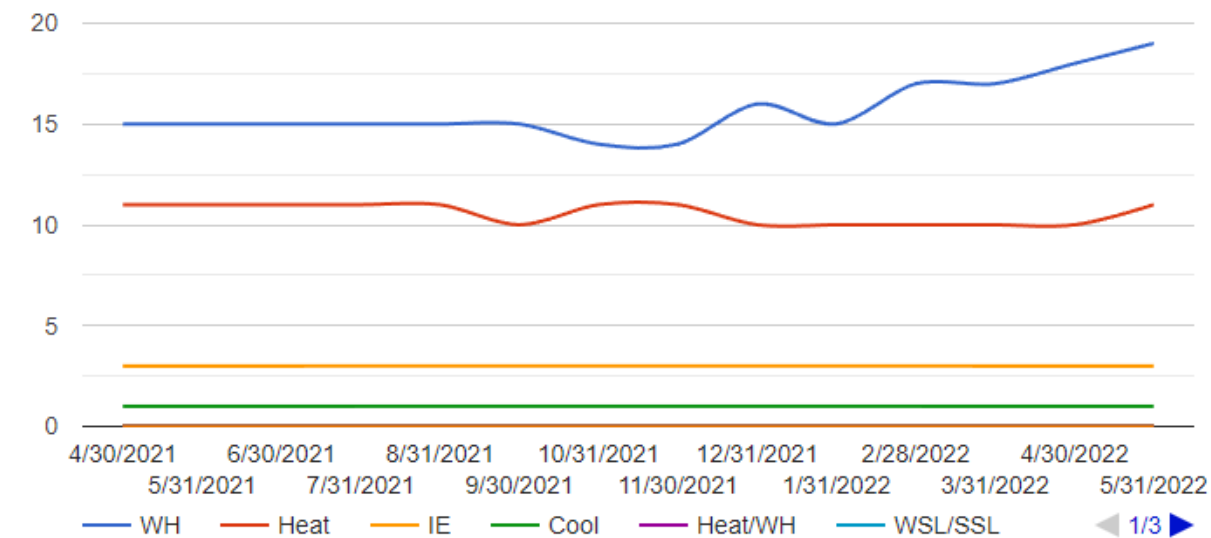
Contracts and Customers



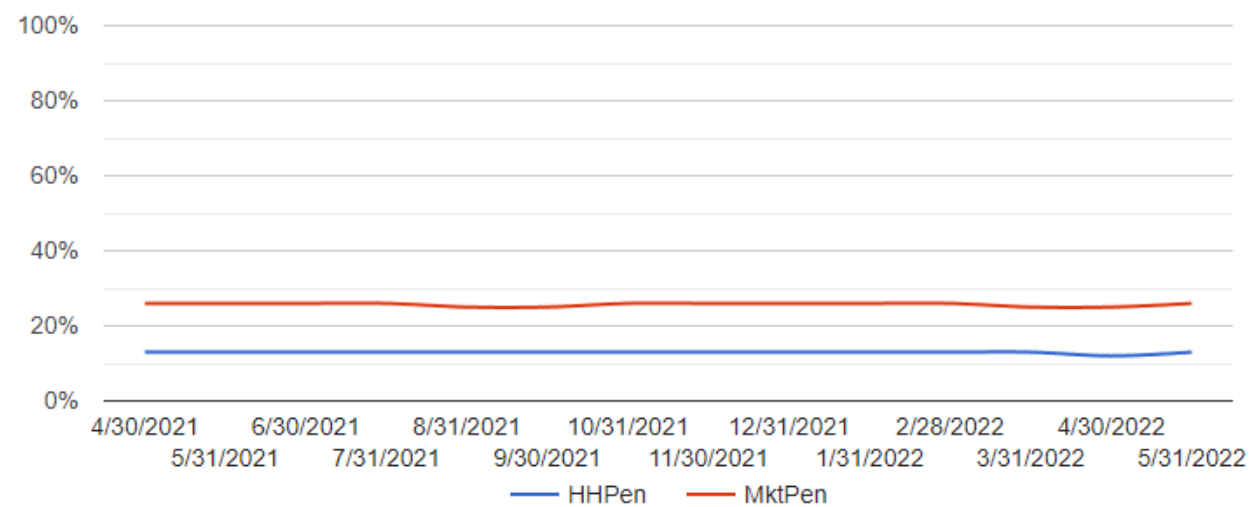
Leading Contracts by Type (Top 3)



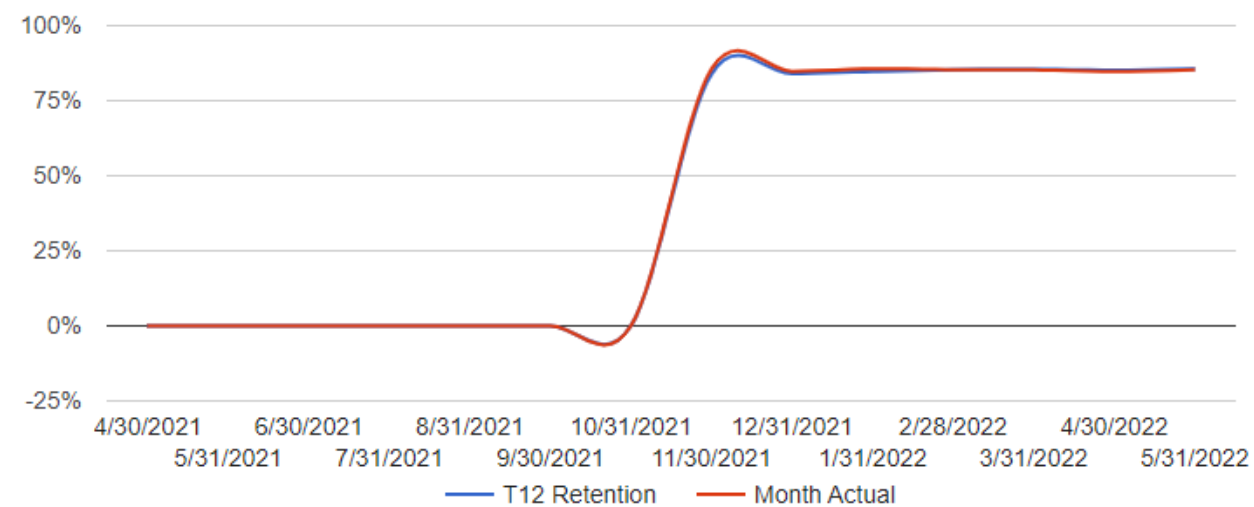
Leading Contracts by Type Other



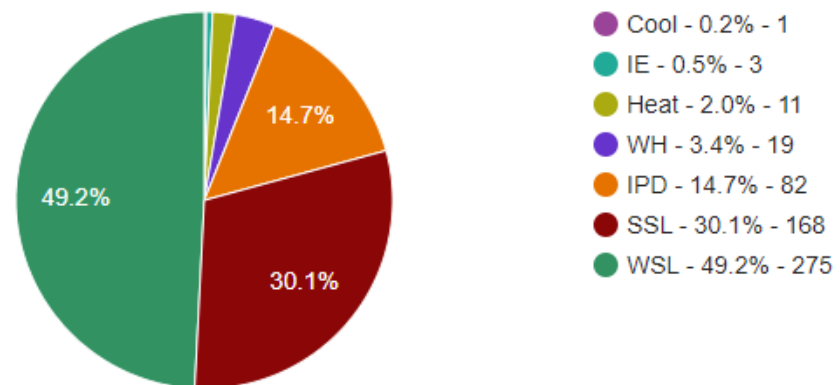
Household Penetration



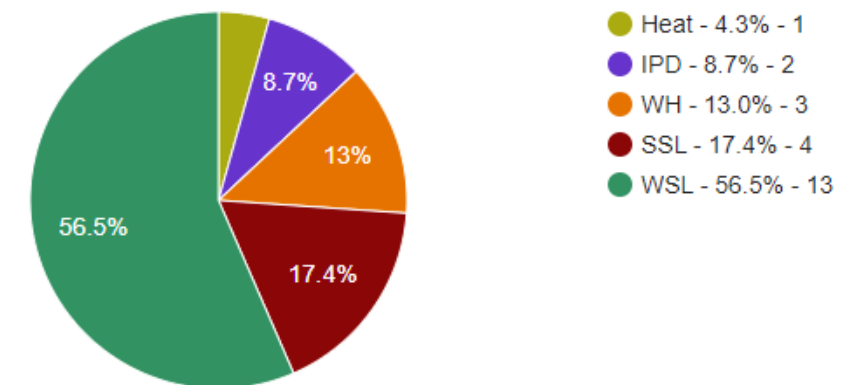
Retention



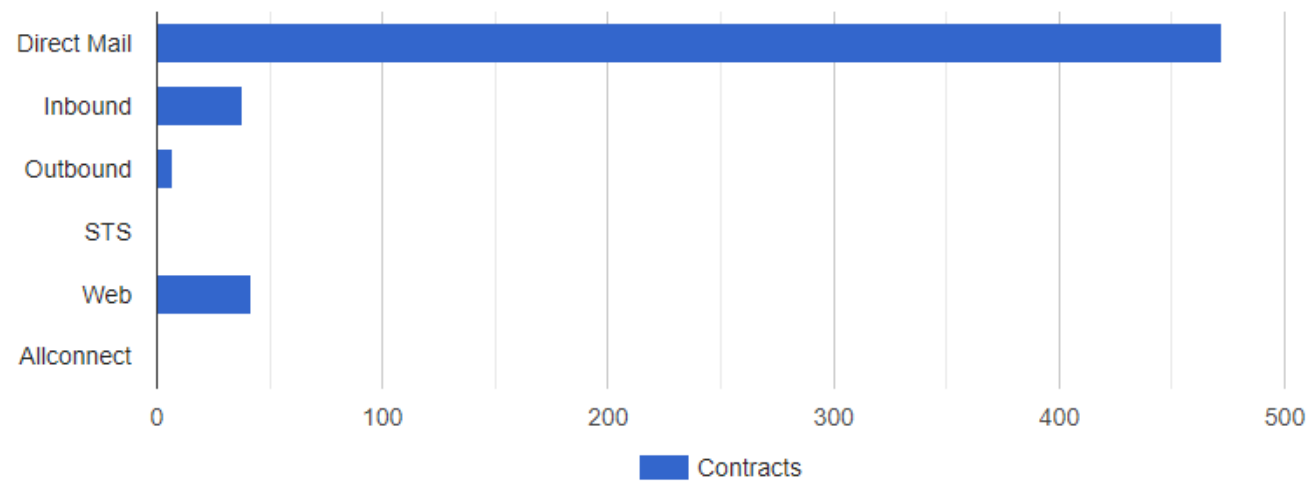
Contracts by Product Type



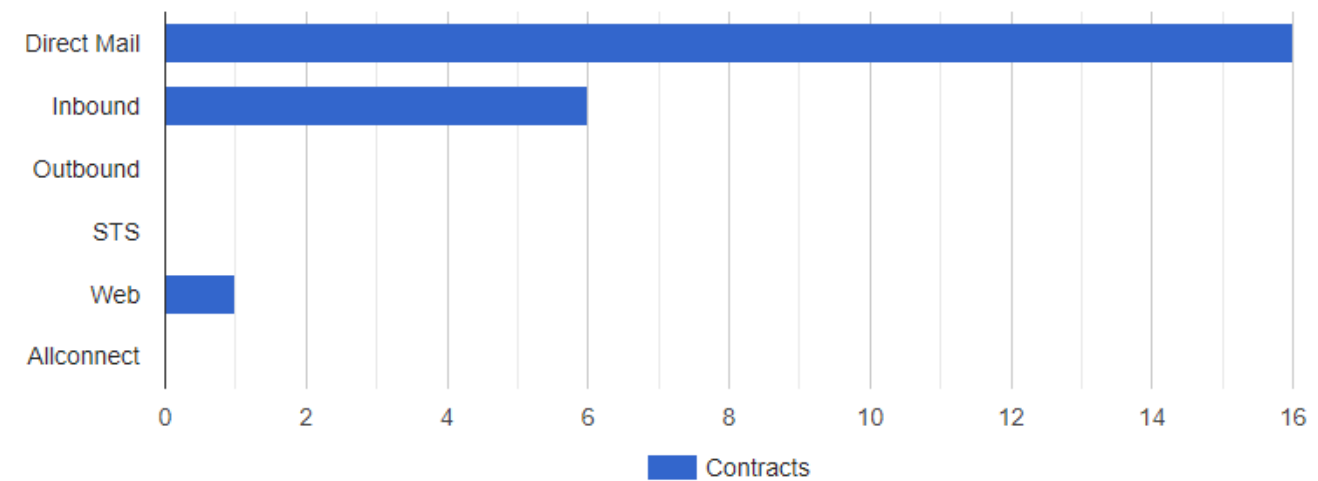
Contracts by Type - Last 30 Days



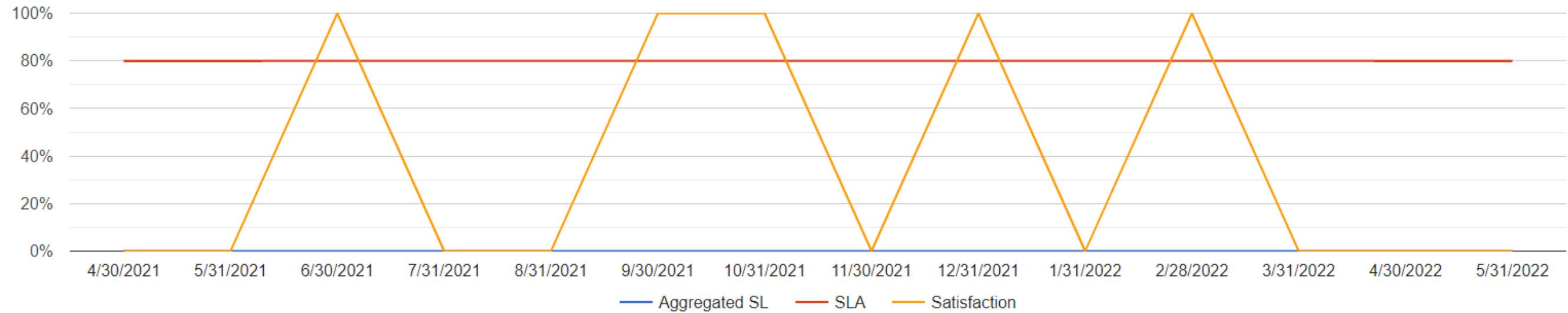
Contracts by Channel



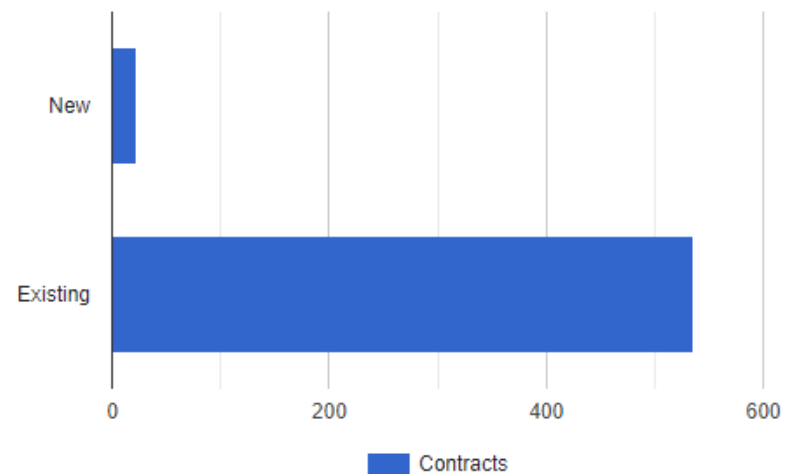
Contracts by Channel - Last 30 Days



Service Levels And Satisfaction



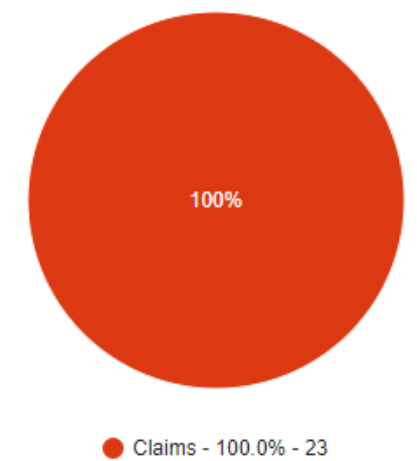
New v. Existing



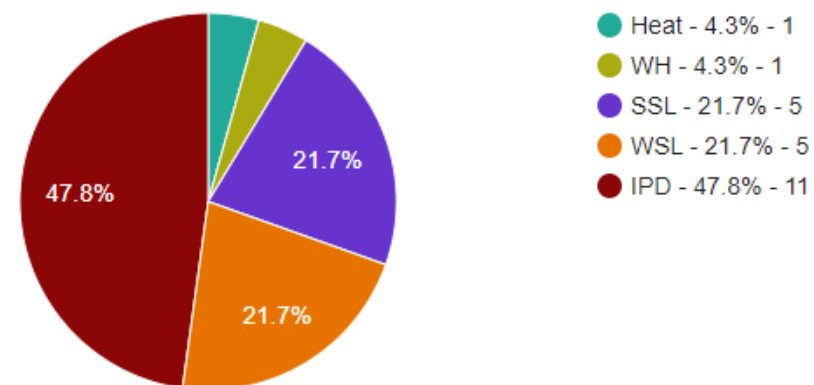
Rolling Complaints by Type



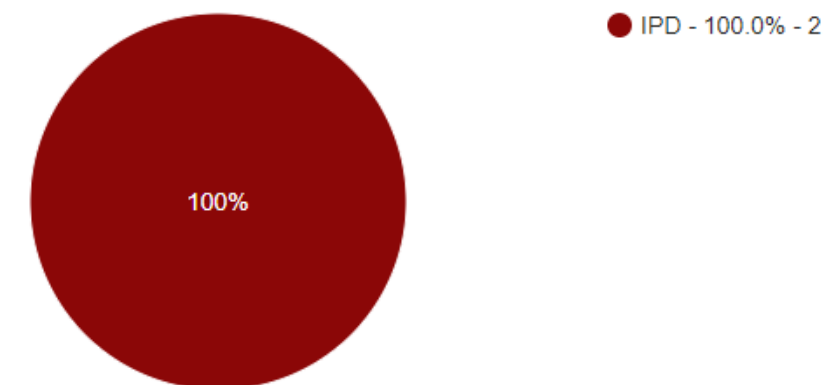
Complaints vs Claims



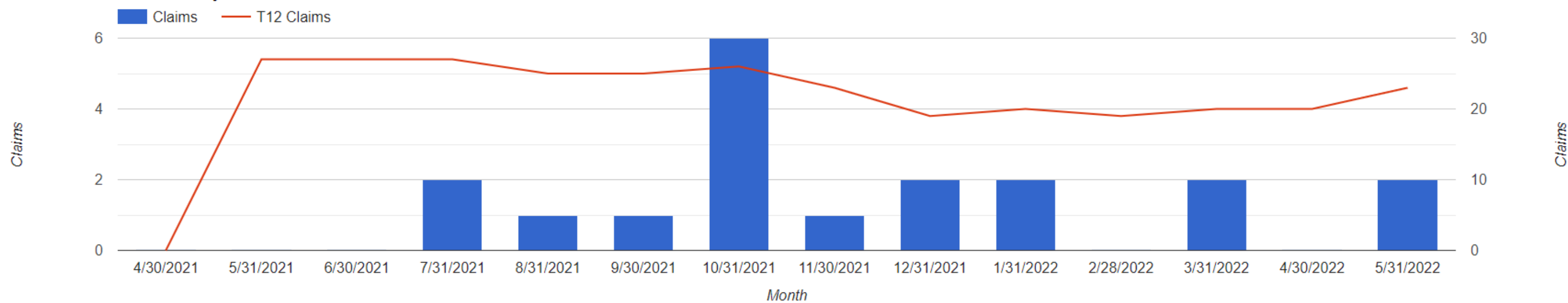
T12 Month Claims by Type



T1 Month Claims by Type



Claims History



MIDDLETOWN MONTHLY REPORT

APPENDIX 4

WATER MAIN LEAK LOGS

APPENDIX 5

**QUARTERLY METER TEST AND CALIBRATION
REPORTS**