

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



July 29, 2022

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RE: Transmittal of Veolia Middletown Operations Report June 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 dark ink that reads 'Kodi Webb' in a cursive, slightly stylized script.

Kodi Webb
Project Manager
Veolia Middletown

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

JUNE 2022



EXECUTIVE SUMMARY

This report covers the monthly period of June 1, 2022 through June 30, 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.
- Completed hydrant flushing.
- Replaced Royalton meter.
- Rebranding from SUEZ to Veolia.
- Repaired a manhole at Water and Race Street.
- Repaired a main break at 537 N Pine Street.
- Repaired services at 316 E Water St and 220 N Union Street.

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.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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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 June was successfully completed on June 27th, 2022. Restarted the Delinquent Notification and Shut-Off Program which was previously suspended due to COVID-19
 - Sent 232, 10 day shut-off notices to accounts that were \$50 past due for the May 2022 billing period
 - Posted 78 properties with 3 day shut-off notices
 - Two Vacant Properties shut off due to Non Payment

Engineering and Capital Expense

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

Conclusion

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

JUNE 2022



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.

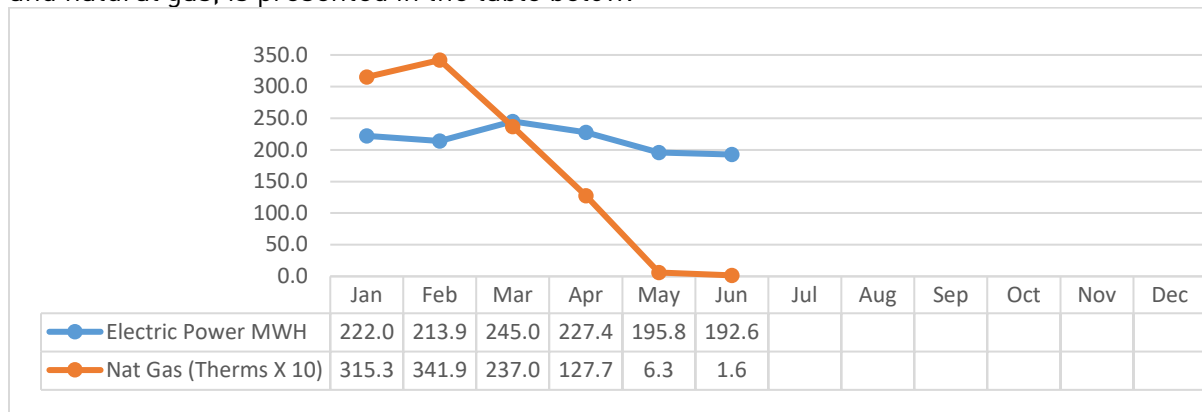
Quality Control Reporting

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.

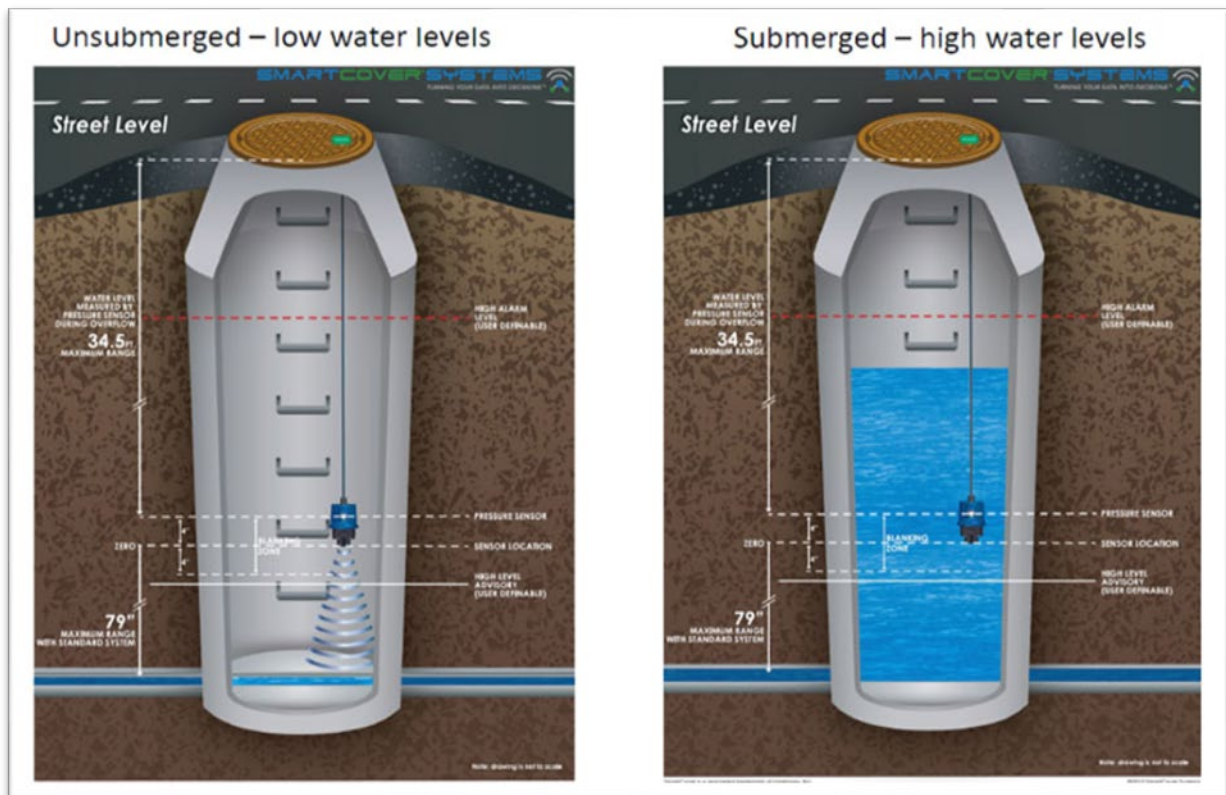
Water System and Wastewater Treatment Plant Maintenance

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
WWTP	Raw 3	Raw	5/3/22	Seal Failure	Pending Service

Sanitary Sewer System

SmartCover® Sewer Monitoring System



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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 2021 Annual Chapter 94 Report/CAP Update which was submitted to PA DEP in early 2021.

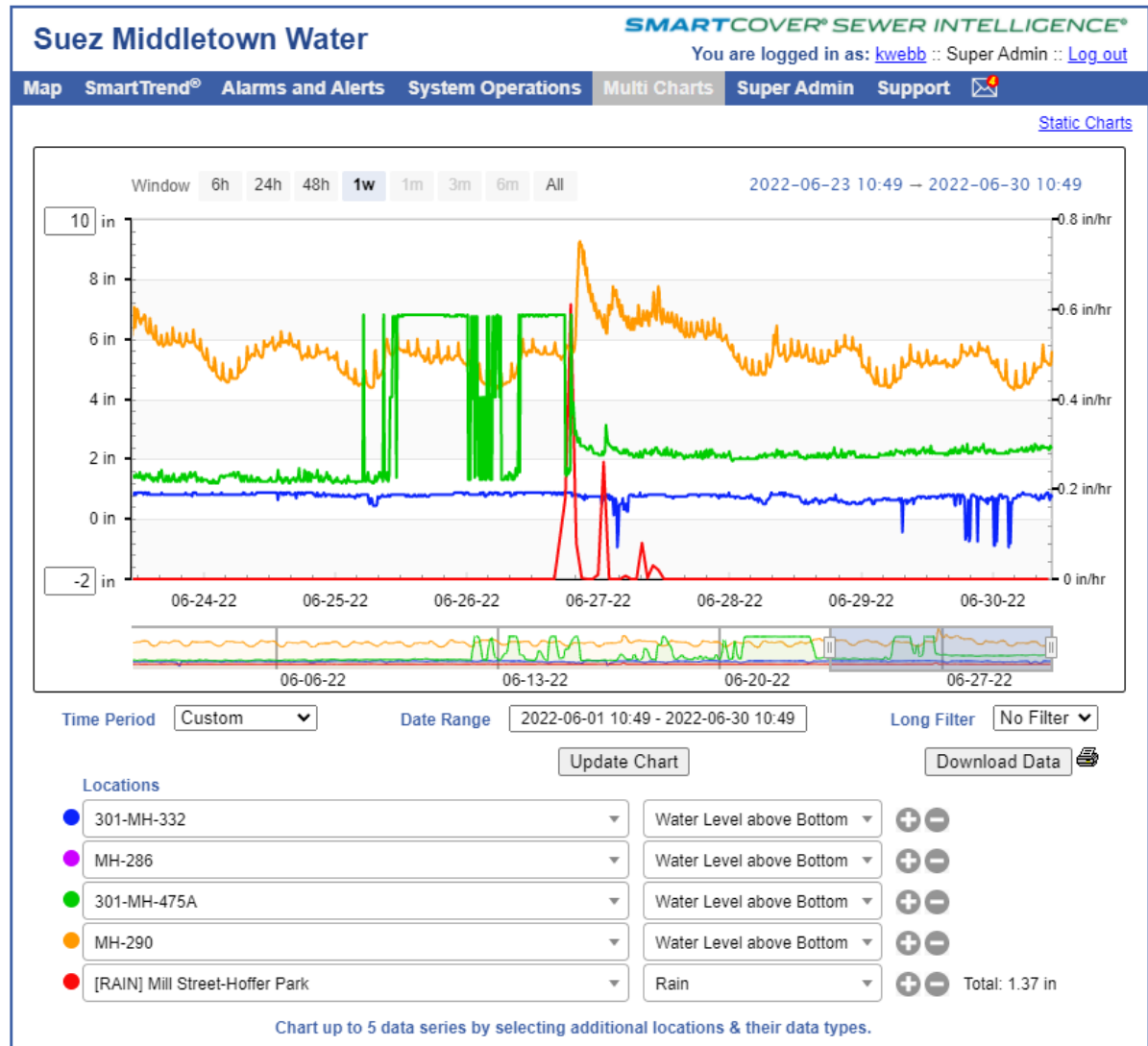
Key Performance Indicators

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.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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KPI	Hydrants Inspected	Main Valves Exercised	Ft Wastewater Mains Cleaned	Ft Water System Leak Detection
Last	49	4	0	0
Current	110	0	0	0
YTD	159	12	11170	0

On Target – Good Work Caution Significantly Behind Goal

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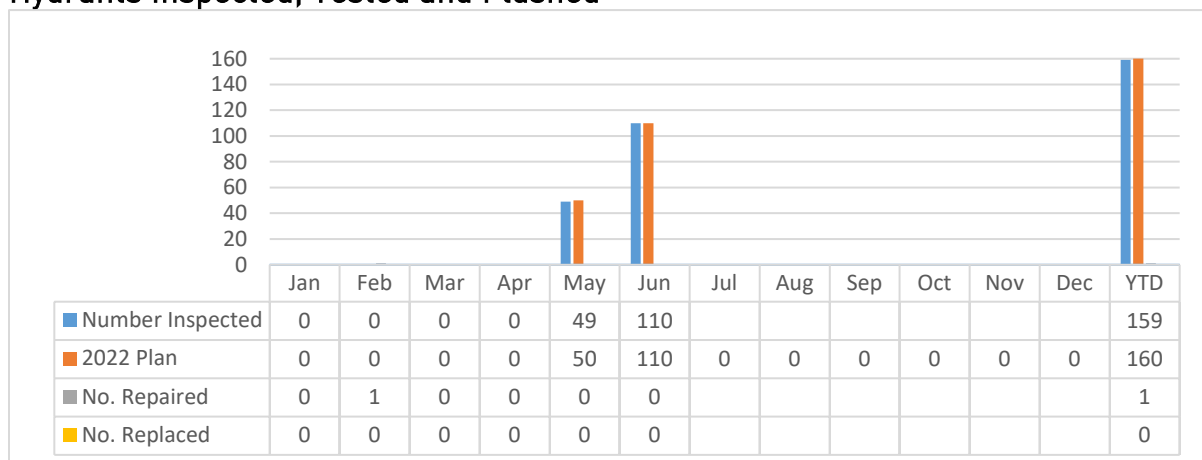
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KPI Comments

- **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.

Hydrants Inspected, Tested and Flushed

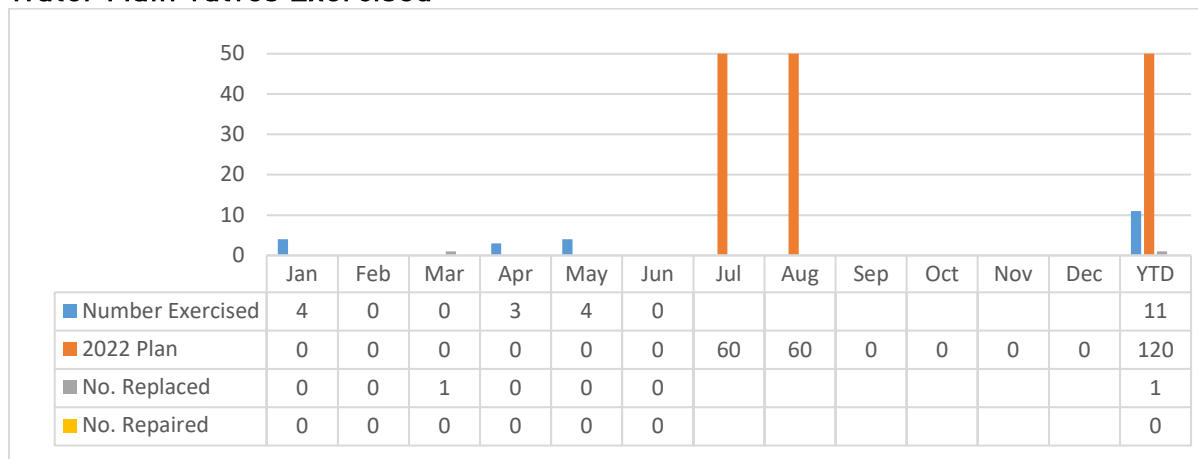


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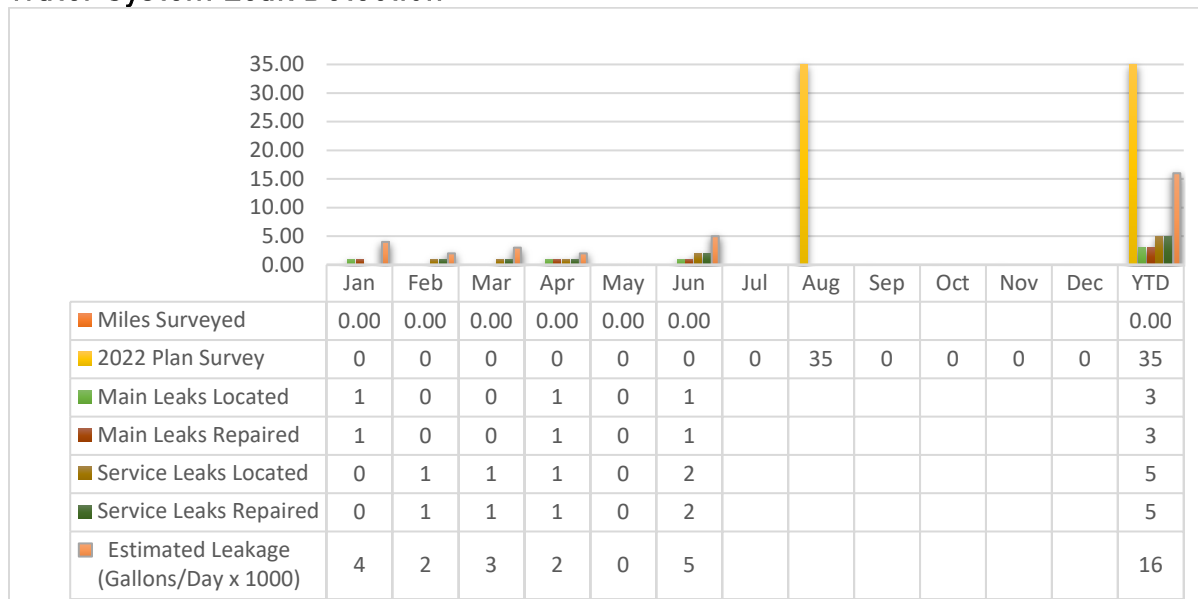
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Water Main Valves Exercised



Water System Leak Detection

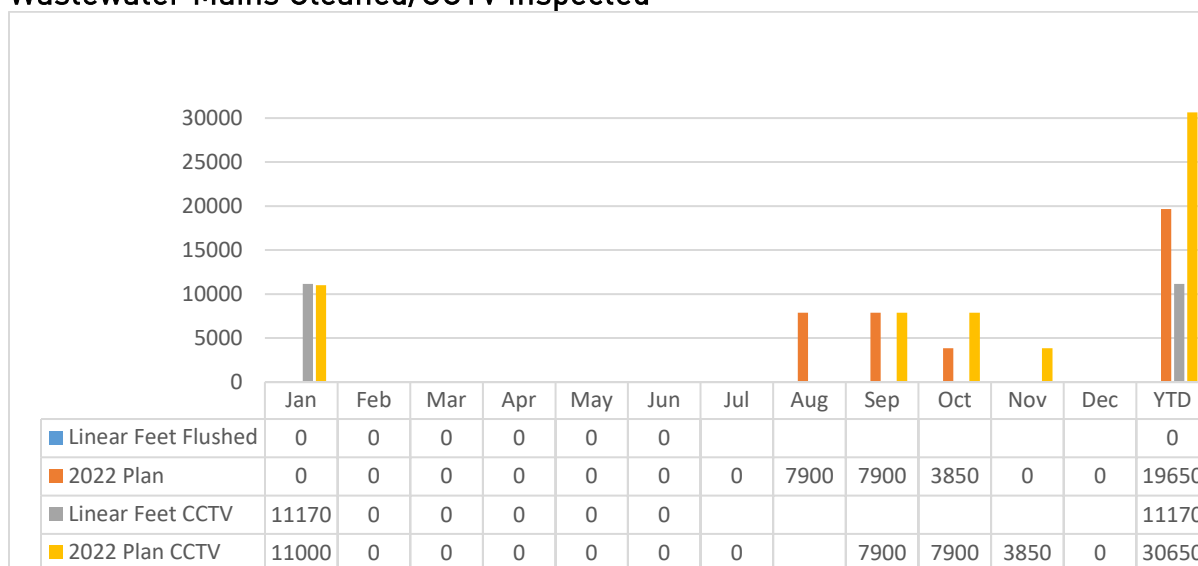


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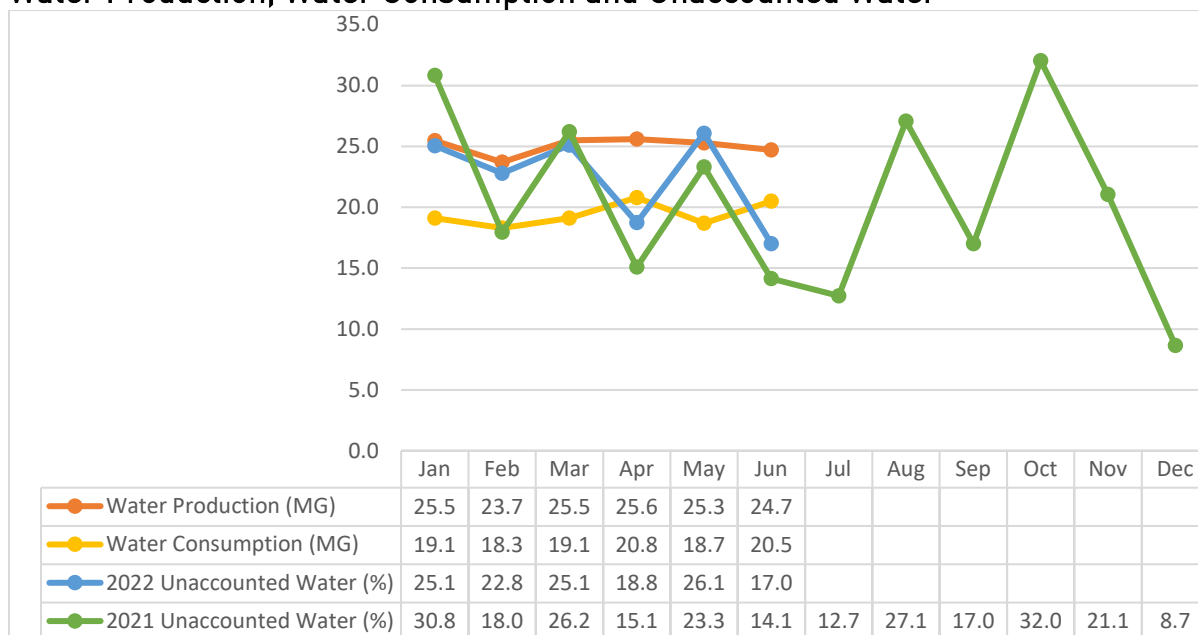


Wastewater Mains Cleaned/CCTV Inspected



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

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.

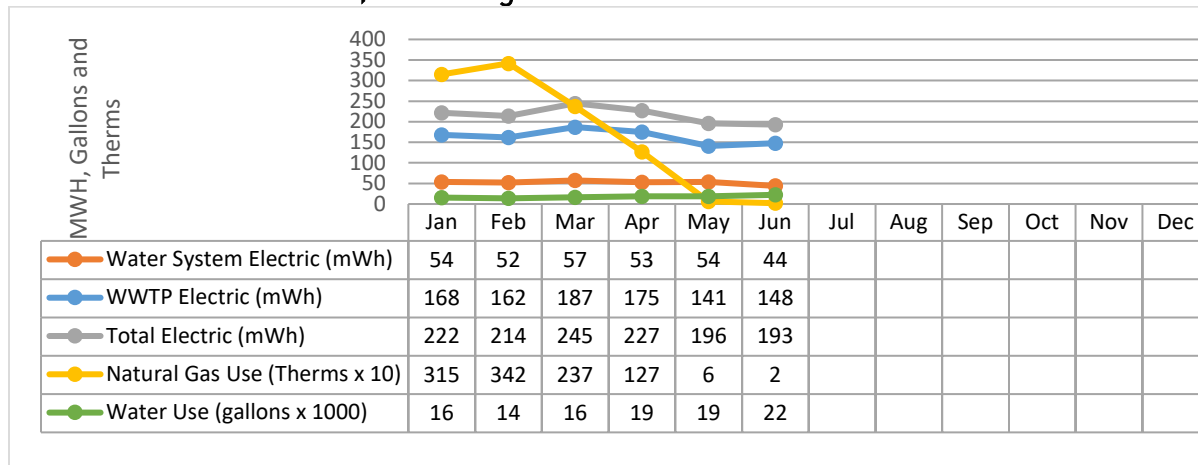
*Unaccounted for water increased in May due to hydrant flushing.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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Utilities: Electric Power, Natural gas & Potable Water Use



Process Chemicals: Water and WWTP Treatment

Chemical	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Hypochlorite (Water)	gal	237	201	216	239	219	231							1343
Hydrofluorosilic Acid	lbs	251	267	305	311	380	416							1930
Alum	gal	1309	1274	1466	1382	1370	1418							8219
Thickening Polymer	gal	45	65	64	64	74	54							366
Dewatering Polymer	gal	60	90	113	85	84	109							541
Chlorine (WWTP)	lbs	384	412	384	537	724	527							2968
Lime	lbs	3464	4692	5798	4425	5089	5620							29088

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.

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

Meter Testing Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
WWTP Process	1	0	0	1	0	0							1	1	0	0	2
Water Process	17	0	0	15	0	0							17	15	0	0	32
Interconnect/Large	0	0	0	0	0	0							0	0	0	0	0
Small Meter	0	0	1	0	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.
- 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.
- Begin valve turning program.
- Collect samples for the triennial lead and copper sampling.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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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 June with a total of 900 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 June being mailed to customers on June 28th.

The average gross monthly collection rate for June was 86.1% and 93.89% 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 same as last month. There were no idle meters with consumption this month.

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The number of Field Service Requests in June was 63. 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.

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	13							85	131	179
Bill Inquiry	210	99	176	167	146	142							940	934	764
Finals	14	9	20	26	32	27							128	173	182
New Account	12	7	11	12	19	10							71	98	91
Meter Reading/Re-Reads	0	0	2	2	1	0							5	0	5
Payments	562	597	584	557	570	569							3439	6127	5710
Collection Letter	9	47	56	52	85	84							333	168	56
Rates	0	5	2	0	0	1							8	30	14
Complaints	0	0	0	0	0	0							0	1	11
Sewer	0	0	0	0	0	0							0	12	17
Leaks	0	0	0	0	0	2							2	11	12
No/Low Water Pressure	0	0	0	0	1	0							1	6	10
Copy Of Bill	77	0	0	3	0	3							83	2	3
Correct. Bills	0	0	0	0	0	0							0	0	1
Mtr Change Out	0	0	0	0	0	0							0	1	0
Customer Correspondance	78	119	68	49	43	55							412	922	206
Discolored/Water Quality	0	0	0	0	0	1							1	0	1
Calls Referred to SUEZ Hbg	34	25	30	29	58	48							224	439	659
Calls from City / Other Org	0	0	0	0	0	0							0	1	0
Compliments	0	0	1	0	0	0							1	18	0
2022 TOTALS	1005	920	966	915	972	955	0	0	0	0	0	0	5733		
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.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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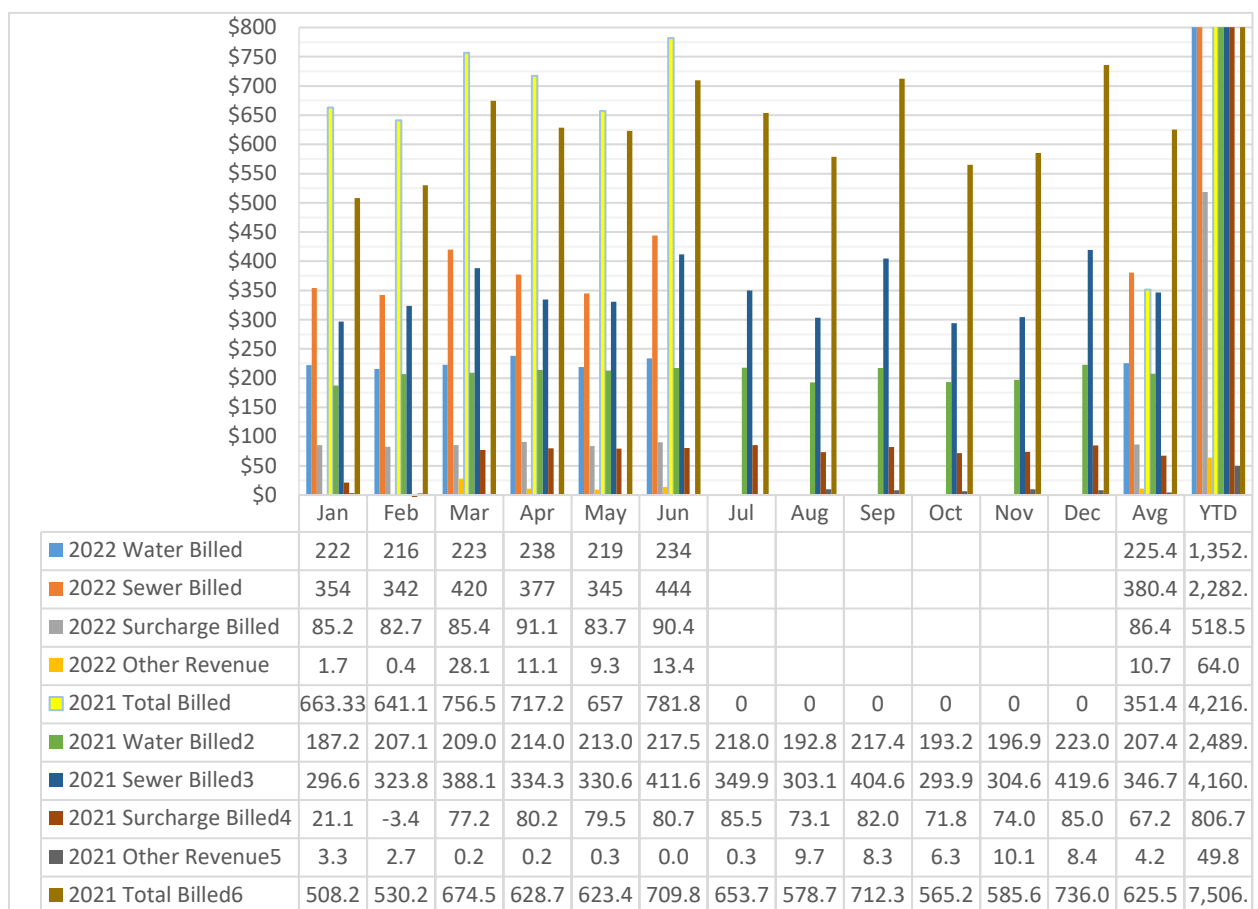


Customer Service: Billing

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

Dollars Billed - Water and Sewer (dollars X1000)



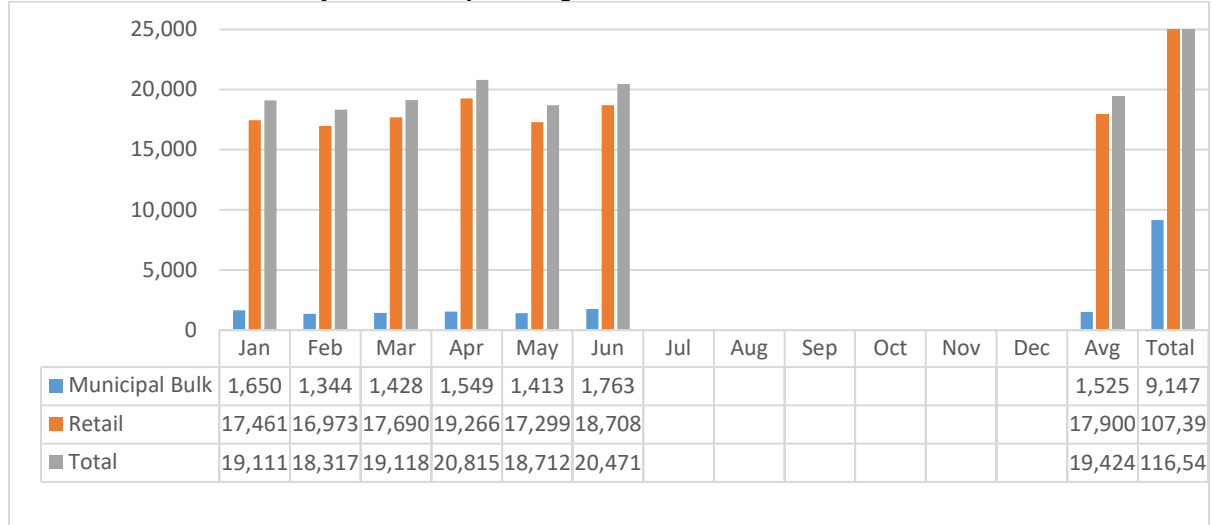
*Negative surcharge value was due to the prior surcharge collection period ending in February 2021.

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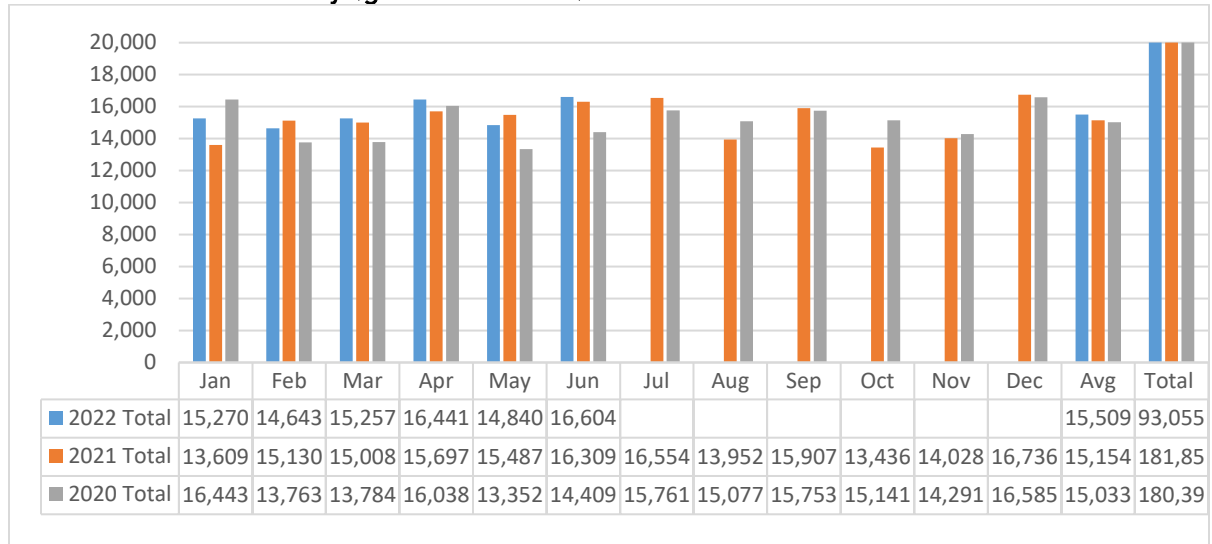
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Water Sales - Monthly Consumption (gallons X 1000)



Sewer Sales - Monthly (gallons X 1000)



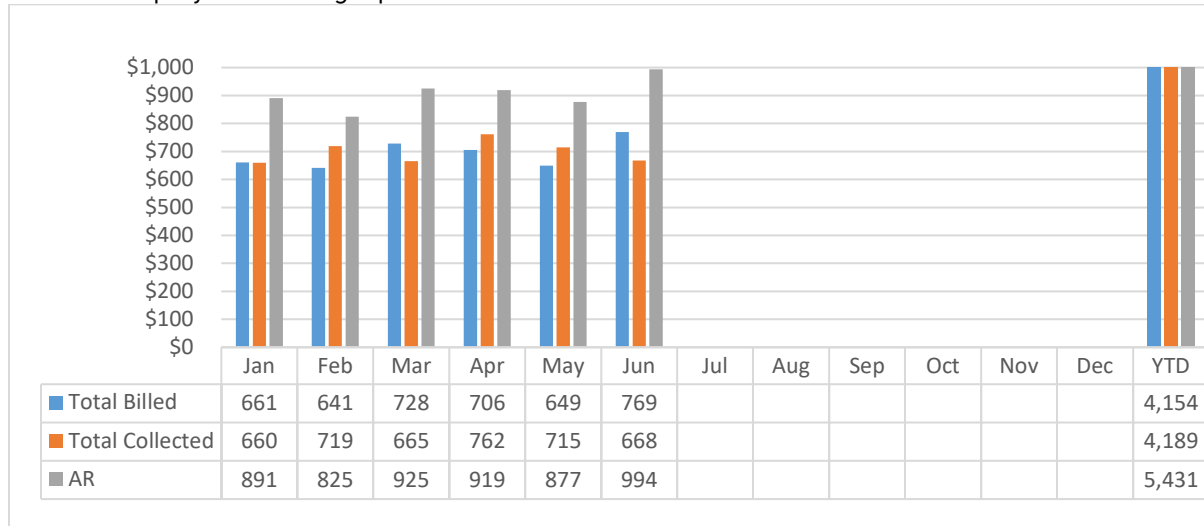
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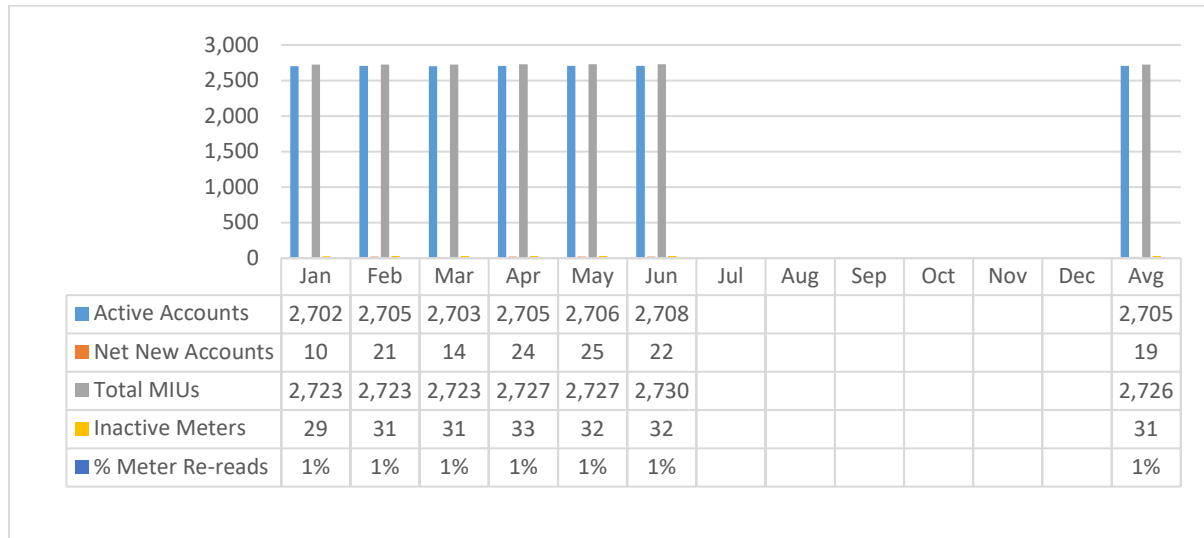


Collections (dollars X 1000)

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



Accounts & Meters

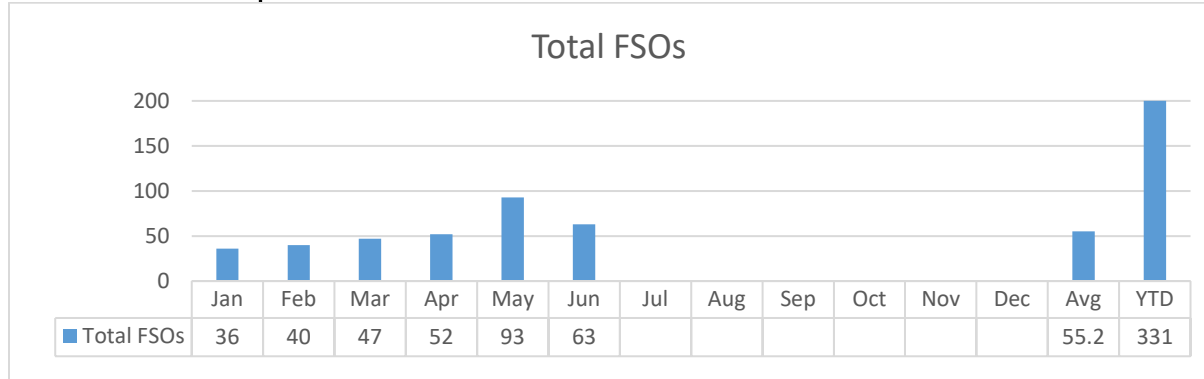


MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

JUNE 2022



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	0
Unplanned	1	0	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	0
Discolored	0	0	0	0	0	1							0	0	0	0	0
Boil Water Notices	0	0	0	0	0	0							0	0	0	0	0
2022 TOTAL	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	1

The discolored water call was in regard to annual hydrant flushing.

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

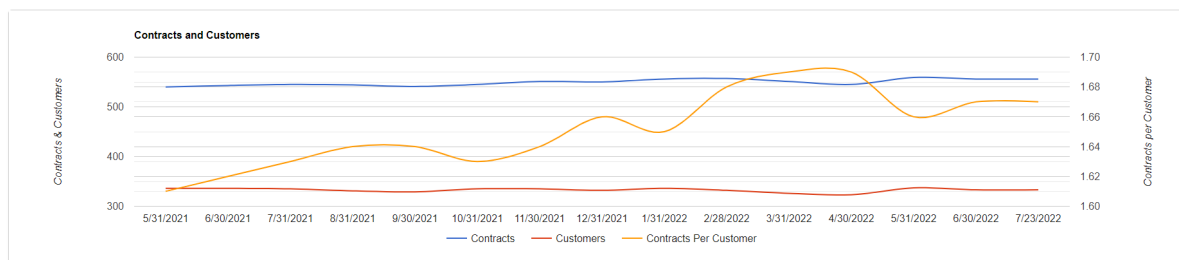
Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Back-up / Blockage	0	0	0	0	0	0							0	0	0	0	0
Odor	0	0	0	0	0	0							0	0	0	0	0
2022 TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 TOTAL	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	2

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

MAY 2022



Water Sales Test Period

Water Sales Test Period No. 3 1/1/2021 to 12/31/2023	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	
														Total	Avg
Total consumption for the month (gallons)	2021	16,984,200	19,701,800	19,964,700	20,521,000	20,409,700	20,950,100	20,557,500	17,545,400	20,495,500	17,656,500	18,017,900	21,191,200	233,995,500	19,499,625
	2022	19,111,100	18,317,500	19,119,800	20,815,300	18,711,600	20,471,200							116,546,500	19,424,417
	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	18,708,000							107,397,800	17,899,633
	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	623,600							3,563,941	593,990
	2023														
Avg retail water sales (gal)		528,337	610,171	563,219	618,750	565,439	615,878	609,397	514,487	625,280	516,081	549,113	624,145	5,221,046	583,585
Bulk Municipal Sales - Total month (gallons)	2021	1,688,100	2,505,500	2,736,000	2,662,000	2,651,300	2,705,400	1,666,200	1,596,300	1,737,100	1,567,000	1,544,500	1,842,700	24,902,100	2,075,175
	2022	1,650,300	1,344,200	1,428,900	1,549,300	1,412,800	1,763,200							9,148,700	1,524,783
	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	58,773							303,327	50,555
	2023														
Avg Bulk Customer sales (gal)		53,845	68,745	67,176	70,188	65,550	74,477	53,748	51,494	57,903	50,548	51,483	59,442	562,290	59,496
Contract Daily Bulk Water Sales Upper Limit (gal/day) = 62,970															
Bulk Sales Surplus (gal/day) = No Surplus															
Sum of Actual Average daily volume of Metered water sales to Retail Water Customers over Test period + Bulk Sales Surplus (gal/day) = 583,585															
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

JUNE 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” involved the replacement of approximately 5,200 LF of critical water mains in the system in addition to the replacement of approximately 1,000 LF of sewer system and upgrades of deteriorating sewer manholes. All the PA DOT permitting was secured for this project. A pre-construction meeting was held with HRG and EK Services in May 2021. EK Services worked with the Borough to secure the local road opening permits for construction. Due to delays in manufacturing and shipping reported by EK Services and characterized as force majeure (in the context of the Covid 19 pandemic), the construction start date was in October 2021. Substantial completion of the project occurred in July 2022. Pictured below is a section of replaced main in the 2017/2020 project.



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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

JUNE 2022



Operating Committee meeting. The project design was completed in October 2021. The project was put out for bid and Wexcon was the apparent low bidder. Wexcon was awarded the project and is currently providing submittals to HRG for approval. An official construction schedule will be available shortly.

As previously discussed during the monthly operations meetings and included in the DRAFT Capital Improvement Plan submitted on March 12, 2020, The Concessionaire is planning the rehabilitation of the three (3) water storage tanks in the water system. The design documents were completed (by the Veolia Engineering Department) and the required PADEP Permitting application for the High Street Tank was secured as of July 2021 for the High Street Tank. The project was advertised for bid proposals in July 2021 and only 2 bid proposals were received. The project went out for rebid in October 2021 with a target start date in March 2022 and will be distributed to more potential vendors to receive competitive pricing. IK Stoltzfus was the apparent low bidder and awarded the project. 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 Q3 of 2022 followed with the Union St Tank in spring of 2023 and the Turnpike Tank in fall 2023. The permit for the High Street tank and Union Street tank have been approved by PA DEP. The permit for the Turnpike Tank is 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 JUNE 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							0
Concessionaire Notifications	0	0	0	0	0	0							0
Incident Email Notifications	0	0	0	0	0	0							0
Environmental Incidents – Appletree Hotline notifications	0	0	0	0	0	0							0
Environmental Incidents – Appletree Hotline notifications/chemical spills	0	0	0	0	0	0							0
Non-compliance – violations	0	0	0	0	0	0							0
Reporting non-compliance	0	0	0	0	0	0							0
Safety related incidents – OSHA lost time	0	0	0	0	0	0							0
Total days lost	0	0	0	0	0	0							0
Safety related incidents – Preventable	0	0	0	0	0	0							0
Safety related – Near Miss	0	0	0	0	0	0							0
Employee lost-time – not job-related – total as sick hours	73.5	16	16	10	67.5	19							202

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



July 29, 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 – June 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



July 29, 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- June 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". The signature is fluid and cursive.

Kodi Webb
Project Manager
Veolia Middletown

MIDDLETOWN MONTHLY REPORT

APPENDIX 1 WASTEWATER

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

&

SMARTCOVER® MONITORING SYSTEM REPORT



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

Your eDMR Report Has Been Received For Permit No. PA0020664

1 message

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

Wed, Jul 20, 2022 at 4:51 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: 06/01/2022-06/30/2022

Report Due Date: 07/28/2022

Submitted By: Kodi Webb

Submission Id: 339811

Submission Status: Received

Submission Type: Original

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



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

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

PA0020664
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 06/01/2022
DMR Effective To: 06/30/2022
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	06	01	TO	2022	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	7.71	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	7.5	***	7.6	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	< 24	37	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	***	***	***	***	< 2.59	***	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	***	***	***	***	< .76	***	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	***	***	***	***	< 1.84	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	4.0	***	lbs/day	***	.38	***	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	1.151	1.644	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.4	.6	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 723.9	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 10.5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 210.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 513.7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	108.3	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	< 2.0	3.0	No./100 ml	2/week	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		2/week	Grab



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

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 22	< 24	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 Sampling Point Comments										



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

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

PA0020664
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 06/01/2022
DMR Effective To: 06/30/2022
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	06	01	TO	2022	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 723.9	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***	***	1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	108.3	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***	***	1/month	Calculation
Facility Sampling Point Comments										



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

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

PA0020664
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 06/01/2022
DMR Effective To: 06/30/2022
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	06	01	TO	2022	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	2318	3217	lbs/day	***	249	***	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	1866	2591	lbs/day	***	203	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Facility Sampling Point Comments										



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

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
6-22 Biosolids.xls	Sewage Sludge / Biosolids Production and Disposal Form	2022-07-11T10:32:08-04:00	
6-22 Effluent Supplemental.xlsx	Daily Effluent Monitoring Form	2022-07-11T10:32:29-04:00	
6-22 Influent Supplemental.xls	Influent and Process Control Form	2022-07-11T10:32:52-04:00	
2022 Annual_Chesapeake_Bay_Spreadsheet_v2.2 .xlsm	Annual Chesapeake Bay Spreadsheet	2022-07-11T10:33:11-04:00	

PERMIT VIOLATIONS

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

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

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

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Gene A. Lank II	246163	(717)-471-1813

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Kodi Webb	TELEPHONE		DATE		
kwebb2			(717)	209-2736	2022	07	20
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO

SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

3800-FM-BCW0436 3/2012

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

Month: June 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	1.186					3,464.0		35,000.0		
2	1.294					3,613.0		35,000.0		
3	1.212					3,280.0		30,000.0		
4	1.080							30,000.0		
5	1.067							30,000.0		
6	1.142	271.0	2,581	272.0	2,591	3,108.0		30,000.0		
7	1.107	344.0	3,175	228.0	2,104	3,102.0		30,000.0		
8	1.107					3,114.0		30,000.0		
9	1.111					2,948.0		30,000.0		
10	1.102					2,943.0		30,000.0		
11	1.080							30,000.0		
12	1.263							30,000.0		
13	1.108	179.0	1,654	204.0	1,885	2,947.0		30,000.0		
14	1.116	204.0	1,898	182.0	1,694	2,926.0		30,000.0		
15	0.956					3,431.0		30,000.0		
16	1.531					2,927.0		30,000.0		
17	1.163					3,615.0		30,000.0		
18	1.026							30,000.0		
19	0.977							35,000.0		
20	0.911	327.0	2,485	232.0	1,763			35,000.0		
21	0.980	209.0	1,708	228.0	1,863	2,706.0		35,000.0		
22	1.266					2,815.0		30,000.0		
23	1.391					2,903.0		35,000.0		
24	1.126					3,240.0		35,000.0		
25	0.911							35,000.0		
26	1.644							35,000.0		
27	1.543	250.0	3,217	140.0	1,802	2,927.0		30,000.0		
28	1.064	206.0	1,828	138.0	1,225	2,738.0		35,000.0		
29	1.050					2,578.0		35,000.0		
30	1.029					3,088.0		35,000.0		
31										
Avg	1.151	249	2,318	203	1,866	3,067		32,000		
Max	1.644	344	3,217	272	2,591	3,615		35,000		

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: 7/11/2022

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

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

Month: 6 (select number) Year: 2022
Permit No.: PA0020664 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: February 28, 2026

Parameter			Flow	pH	Dissolved Oxygen	TRC	CBOD5	TSS	Fecal Coliform	NH3-N	Total Phosphorus							
Stage			1	1	1	1	1	1	1	1	1							
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	CFU/100 ml	Q	mg/L	Q	mg/L	Q		
1	Sun	5/29/22	1.235															
	Mon	5/30/22	1.193					<	2.0		4.0							
	Tue	5/31/22	1.202					<	2.0		2.0							
	Wed	6/1/22	1.186		7.6		8.16		0.34			<	2.0					
	Thu	6/2/22	1.294		7.5		7.98		0.36									
	Fri	6/3/22	1.212		7.5		7.97		0.35									
	Sat	6/4/22	1.080		7.6		8.15		0.34									
2	Sun	6/5/22	1.067		7.5		8.2		0.34									
	Mon	6/6/22	1.142		7.6		8.17		0.32	<	2.0		1.0	<	0.02		0.59	
	Tue	6/7/22	1.107		7.5		8.16		0.37		3.1		7.0	<	2.0	<	0.02	0.5
	Wed	6/8/22	1.107		7.6		8.22		0.37				3.0					
	Thu	6/9/22	1.111		7.5		7.95		0.46									
	Fri	6/10/22	1.102		7.5		8.12		0.41									
	Sat	6/11/22	1.080		7.5		8.01		0.44									
3	Sun	6/12/22	1.263		7.6		8.03		0.4									
	Mon	6/13/22	1.108		7.5		8.01		0.4			2.7	<	1.0	<	0.02		0.33
	Tue	6/14/22	1.116		7.6		7.97		0.48	<	2.0	<	1.0	<	2.0		0.05	0.31
	Wed	6/15/22	0.956		7.6		7.95		0.4					<	2.0			
	Thu	6/16/22	1.531		7.6		7.86		0.48									
	Fri	6/17/22	1.163		7.5		7.85		0.6									
	Sat	6/18/22	1.026		7.6		7.73		0.41									
4	Sun	6/19/22	0.977		7.6		7.98		0.4									
	Mon	6/20/22	0.911		7.6		8.0		0.47				3.3				0.08	0.32
	Tue	6/21/22	0.980		7.6		7.95		0.5	<	2.0		4.0	<	2.0		0.09	0.29
	Wed	6/22/22	1.266		7.6		8.01		0.57					<	2.0			
	Thu	6/23/22	1.391		7.5		7.74		0.39									
	Fri	6/24/22	1.126		7.5		7.8		0.51									
	Sat	6/25/22	0.911		7.6		7.88		0.58									
5	Sun	6/26/22	1.644		7.6		7.86		0.31									
	Mon	6/27/22	1.543		7.5		7.71		0.45	<	2.0		1.0	<	0.02		0.4	
	Tue	6/28/22	1.064		7.6		7.81		0.45	<	2.0		4.0	<	0.02		0.31	
	Wed	6/29/22	1.050		7.6		7.86		0.43					<	2.0			
	Thu	6/30/22	1.029															
	Fri	7/1/22	1.062															
	Sat	7/2/22	0.953															
Statistics for DMR																		
Daily Minimum (Conc.):					7.5		7.71		0.31	<	2		1	<	2		0.02	0.29
Daily Maximum (Conc.):					7.6		8.22		0.6		3.3		7		3		0.09	0.59
Max Avg Weekly (Conc.):							8.12		0.5	<	3		4				0.09	1
Avg Monthly (Conc.):							7.96		0.4	<	2		3				0.04	0.38
Geometric Mean (Conc.):																		
Max Avg Weekly (Load):							82		4	<	24		37				0.7	5
Avg Monthly (Load):							76		4	<	22		24				0.4	4
Total Monthly (Load):							2292		121	<	660		708				11	108
Daily Minimum (Load):							60		3	<	16		9				0.2	2
Daily Maximum (Load):							108		6		29		65				0.7	6

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Prepared By: Gene A. Lank II License No.: 246163
Title: Operator Date: 7/11/2022

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																			

3/11/22	1.175																					
3/12/22	1.758																					
3/13/22	1.495																					
3/14/22	1.317	0.12		1.3	0.14	1.5	0.8	8.6	<	2.4	<	26.6	<	3.20	<	35.2						
3/15/22	1.189	0.15		1.5	0.03	0.3	0.6	6.3	<	2.2	<	22.2	<	2.88	<	28.6						
3/16/22	1.154																					
3/17/22	1.220																					
3/18/22	1.146																					
3/19/22	1.195																					
3/20/22	1.176																					
3/21/22	1.151	0.16		1.5	0.06	0.6	1.3	12.4	<	2.2	<	21.5	<	3.53	<	33.9						
3/22/22	1.082	0.2		1.8	0.03	0.3	1.0	8.7	<	2.1	<	19.0	<	3.06	<	27.6						
3/23/22	1.314																					
3/24/22	1.327																					
3/25/22	1.246																					
3/26/22	1.166																					
3/27/22	1.186																					
3/28/22	1.154	0.19		1.8	0.06	0.6	0.7	7.0	<	2.3	<	22.1	<	3.03	<	29.2						
3/29/22	1.074	0.18		1.6	0.11	1.0	< 0.5	< 4.5	<	2.4	<	21.2	<	2.87	<	25.7						
3/30/22	1.087																					
3/31/22	1.866																					
4/1/22	1.760																					
4/2/22	1.438																					
4/3/22	1.414																					
4/4/22	1.438	0.22		2.6	0.04	0.5	0.62	7.4	<	2.17	<	26.0	<	2.79	<	33.5						
4/5/22	1.618	0.18		2.4	0.06	0.8	0.71	9.6	<	2.2	<	29.7	<	2.91	<	39.3						
4/6/22	1.887																					
4/7/22	3.661																					
4/8/22	2.539																					
4/9/22	2.477																					
4/10/22	2.051																					
4/11/22	1.847	0.24		3.7	0.19	2.9	1.07	16.5	<	1.33	<	20.5	<	2.40	<	37.0						
4/12/22	1.577	0.21		2.8	0.08	1.1	1.49	19.6	<	1.6	<	21.0	<	3.09	<	40.6						
4/13/22	1.553																					
4/14/22	1.554																					
4/15/22	1.408																					
4/16/22	1.376																					
4/17/22	1.389																					
4/18/22	2.521	0.21		4.4	0.09	1.9	< 0.5	< 10.5	<	2.13	<	44.8	<	2.63	<	55.3						
4/19/22	2.027	0.23		3.9	0.2	3.4	1.26	21.3	<	1.44	<	24.3	<	2.70	<	45.7						
4/20/22	1.579																					
4/21/22	1.548																					
4/22/22	1.431																					
4/23/22	1.400																					
4/24/22	1.335																					
4/25/22	1.427	0.45		5.4	0.31	3.7	1.24	14.8	<	1.85	<	22.0	<	3.09	<	36.8						
4/26/22	1.386	0.26		3.0	0.08	0.9	1.08	12.5	<	2.14	<	24.7	<	3.22	<	37.2						
4/27/22	1.340																					
4/28/22	1.338																					
4/29/22	1.189																					
4/30/22	1.150																					
5/1/22	1.334																					
5/2/22	1.252	0.51		5.3	0.07	0.7	0.71	7.4	<	2.15	<	22.4	<	2.86	<	29.9						
5/3/22	1.270	0.47		5.0	0.06	0.6	0.59	6.2	<	2.12	<	22.5	<	2.71	<	28.7						
5/4/22	1.779																					
5/5/22	1.167																					
5/6/22	3.993																					
5/7/22	4.861																					

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9/1/22																					
9/2/22																					
9/3/22																					
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9/26/22																					
9/27/22																					
9/28/22																					
9/29/22																					
9/30/22																					
Avg	1.319308		0.23		2.4	<	0.05	<	0.6	<	0.81	<	8.6	<	2.03	<	20.9	<	2.84	<	29.5
Annual Total Mass Loads (lbs):					887			<	213			<	3137			<	7635			<	10773

P Credits Generated: 862

N Credits Generated: 10697

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: **7/11/2022**

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	108.3	< 10.5	< 210.2	< 513.7	< 723.9
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	0.38	< 0.04	< 0.76	< 1.84	< 2.59
July					
August					
September					

Month: June 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: **July 11, 2022**

Veolia Middletown WWTP

June, 2022

DATE	EFF	M.J. Reider Composite Sample Test Results																					
	FLOW	BOD		CBOD		%Remov4	SUSPENDED SOLIDS				%Remov4	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	1.186													<2									
02	1.294																						
03	1.212																						
04	1.080																						
05	1.067																						
06	1.142	271	2,581	<2.0	<19.05	99.3	272	2,591	1.0	9.53	99.6	0.59	5.62		<0.02	<0.19	<2.1	<19.62	0.7	6.67	<2.76	<26.3	
07	1.107	344	3,175	3.1	28.61	99.1	228	2,104	7.0	64.60	96.9	0.50	4.61	<2	<0.02	<0.18	<2.0	<18.55	1.1	9.87	<3.08	<28.4	
08	1.107													3									
09	1.111																						
10	1.102																						
11	1.080																						
12	1.263																						
13	1.108	179	1,654	2.7	24.95	98.5	204	1,885	<1.0	9.24	99.5	0.33	3.05		<0.02	<0.18	<1.8	<16.82	0.5	4.62	<2.32	<21.4	
14	1.116	204	1,898	<2.0	<18.61	99.0	182	1,694	<1.0	9.31	99.5	0.31	2.88	<2	0.05	0.47	<1.8	<16.29	<0.5	<4.65	<2.25	<20.9	
15	0.956													<2									
16	1.531																						
17	1.163																						
18	1.026																						
19	0.977																						
20	0.911	327	2,485	3.3	25.08	99.0	232	1,763	2.0	15.20	99.1	0.32	2.43		0.08	0.61	<1.7	<13.07	<0.5	<3.80	<2.22	<16.9	
21	0.980	209	1,708	<2.0	<16.34	99.0	228	1,863	4.0	32.69	98.2	0.29	2.37	<2	0.09	0.74	<2.0	<16.51	1.3	10.62	<3.32	<27.1	
22	1.266													<2									
23	1.391																						
24	1.126																						
25	0.911																						
26	1.644																						
27	1.543	250	3,217	<2.0	<25.74	99.2	140	1,802	1.0	12.87	99.3	0.40	5.15		<0.02	<0.26	1.7	21.75	0.7	8.62	2.36	30.4	
28	1.064	206	1,828	<2.0	<17.75	99.0	138	1,225	4.0	35.50	97.1	0.31	2.75	<2	<0.02	<0.18	1.6	14.38	0.8	7.19	2.43	21.6	
29	1.050													<2									
30	1.029																						

REVISED 9/18/15 M

Veolia Middletown WWTP
Daily Effluent Grab Monitoring / Weather

June

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	GL	0847	0847	7.60	7.60	0.00	8.16	8.16	0.00	0.34	0.33	2.99	21.1	271	
02	GL	0847	0847	7.50	7.50	0.00	7.98	7.97	0.13	0.36	0.36	0.00	20.8	385	
03	GL	0847	0847	7.50	7.50	0.00	7.97	7.97	0.00	0.35	0.34	2.90	21.3	305	
04	GL	0743	0743	7.60	7.60	0.00	8.15	8.15	0.00	0.34	0.34	0.00	20.3		
05	GG	0820	0820	7.50	7.50	0.00	8.20	8.20	0.00	0.34	0.33	2.99	20.4		
06	GL	0846	0846	7.60	7.60	0.00	8.17	8.16	0.12	0.32	0.31	3.17	20.8	413	
07	GL	0847	0847	7.50	7.50	0.00	8.16	8.16	0.00	0.37	0.36	2.74	20.3	374	
08	GL	0848	0848	7.60	7.60	0.00	8.22	8.21	0.12	0.37	0.37	0.00	20.3	421	
09	GG	0845	0845	7.50	7.50	0.00	7.95	7.95	0.00	0.46	0.46	0.00	21.5	562	
10	GL	0852	0852	7.50	7.50	0.00	8.12	8.12	0.00	0.41	0.40	2.47	20.6	282	
11	GG	0820	0820	7.50	7.50	0.00	8.01	8.01	0.00	0.44	0.42	4.65	20.7		
12	GL	0745	0745	7.60	7.60	0.00	8.03	8.02	0.12	0.40	0.38	5.13	20.8		
13	GL	0847	0847	7.50	7.50	0.00	8.01	8.00	0.12	0.40	0.40	0.00	20.8	589	
14	GL	0840	0840	7.60	7.60	0.00	7.97	7.96	0.13	0.48	0.49	-2.06	21.4	275	
15	GL	0846	0846	7.60	7.60	0.00	7.95	7.94	0.13	0.40	0.41	-2.47	21.2	382	
16	GL	0847	0847	7.60	7.60	0.00	7.86	7.84	0.25	0.48	0.49	-2.06	22.1	431	STORM MODE OVERNIGHT
17	GL	0853	0853	7.50	7.50	0.00	7.85	7.85	0.00	0.60	0.60	0.00	21.8	262	
18	GL	0745	0745	7.60	7.60	0.00	7.73	7.72	0.13	0.41	0.41	0.00	21.9		
19	GL	0750	0750	7.60	7.60	0.00	7.98	7.97	0.13	0.40	0.41	-2.47	20.6		
20	GL	0825	0825	7.60	7.60	0.00	8.00	7.99	0.13	0.47	0.48	-2.11	21.1		
21	GG	0755	0755	7.60	7.60	0.00	7.95	7.94	0.13	0.50	0.51	-1.98	21.4	516	
22	KW	0930	0930	7.60	7.60	0.00	8.01	8.04	-0.37	0.57	0.56	1.77	21.3	461	
23	GL	0857	0857	7.50	7.50	0.00	7.74	7.72	0.26	0.39	0.38	2.60	21.4		
24	GL	0848	0848	7.50	7.50	0.00	7.80	7.79	0.13	0.51	0.52	-1.94	21.0	261	
25	GL	0753	0753	7.60	7.60	0.00	7.88	7.87	0.13	0.58	0.60	-3.39	21.8		
26	GG	0830	0830	7.60	7.60	0.00	7.86	7.85	0.13	0.31	0.33	-6.25	22.0		STORM MODE START @ 1940HRS.
27	GL	0848	0848	7.50	7.50	0.00	7.71	7.70	0.13	0.45	0.46	-2.20	22.3	414	STORM MODE STOP @ 0715HRS.
28	GL	0847	0847	7.60	7.60	0.00	7.81	7.81	0.00	0.45	0.46	-2.20	22.0	284	
29	GL	0847	0847	7.60	7.60	0.00	7.86	7.86	0.00	0.43	0.43	0.00	21.5	328	
30	GL	0850	0850	7.50	7.50	0.00	7.76	7.75	0.13	0.38	0.38	0.00	22.4	382	

Veolia Middletown WWTP

Process Control

June

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		AM	AM
01	3,464	42,184	2,252	65.0	7,418	35,000	2,165	12.66	5.68	0.04	850	440	127	10	12
02	3,613	43,988	2,236	61.9	7,577	35,000	2,212	12.31	5.29	0.06	800	400	111	12	12
03	3,280	39,936	2,071	63.1	9,938	30,000	2,486	10.14	5.74	0.06	800	400	122	6	8
04						30,000								12	6
05						30,000								12	8
06	3,108	37,848	2,072	66.7	8,591	30,000	2,149	11.74	5.47	0.07	740	370	119	6	8
07	3,102	37,769	2,068	66.7	8,060	30,000	2,017	12.49	5.69	0.06	740	380	123	12	8
08	3,114	37,920	1,903	61.1	7,536	30,000	1,886	12.29	5.86	0.08	800	400	128	10	6
09	2,948	35,893	1,825	61.9	8,448	30,000	2,114	10.51	8.12	0.11	720	380	129	10	8
10	2,943	35,838	1,731	58.8	7,056	30,000	1,765	11.94	6.31	0.06	750	380	129	6	6
11						30,000								8	6
12						30,000								8	8
13	2,947	35,881	1,907	64.7	7,769	30,000	1,944	11.94	5.79	0.12	750	360	122	3	2
14	2,926	35,634	1,894	64.7	7,410	30,000	1,854	12.44	6.59	0.05	690	350	120	3	1
15	3,431	41,772	2,573	75.0	7,219	30,000	1,806	17.35	4.17	0.05	700	360	105	2	12
16	2,927	35,640	1,894	64.7	7,213	30,000	1,805	12.78	5.73	0.07	690	360	123	10	10
17	3,615	44,019	2,238	61.9	7,339	30,000	1,836	14.84	6.01	0.06	800	400	111	6	6
18						30,000								10	10
19						35,000								12	6
20						35,000								6	6
21	2,706	31,742	1,825	67.4	6,415	35,000	1,873	13.84	6.67	0.07	630	340	126	0	8
22	2,815	34,282	1,792	63.7	5,501	30,000	1,376	15.85	11.96	0.08	700	350	124	0	0
23	2,903	35,342	1,878	64.7	7,214	35,000	2,106	10.86	5.49		680	350	121	0	3
24	3,240	39,446	2,387	73.7	8,101	35,000	2,365	12.29	4.52	0.05	700	350	108	2	2
25						35,000								4	6
26						35,000								6	8
27	2,927	35,640	1,894	64.7	2,244	30,000	561	41.07	6.72	0.11	650	350	120	0	0
28	2,738	33,337	1,540	56.2	6,399	35,000	1,868	10.04	6.23	0.09	570	300	110	4	4
29	2,578	31,388	1,719	66.7	6,033	35,000	1,761	11.88	5.48	0.06	650	330	128	6	6
30	3,088	37,601	1,716	55.6	6,031	35,000	1,760	11.87	5.21	0.07	570	300	97	6	4
AVG	3,067	37,290	1,972	64.2	7,120	32,000	1,891	13.9	6.13	0.07	713	364	119	6	6

PA MIDDLETOWN WWTP

THICKENER MONTHLY REPORT

June

2022

DATE	RUN	FEED SLUDGE			DISCHARGE SLUDGE			POLYMER
	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01								
02								
03	7.00	104,781	0.74	6,467	15,147	5.08	6,417	6
04								
05								
06	7.00	103,661	0.69	5,965	13,464	4.90	5,502	6
07								
08								
09	3.00	42,848	0.75	2,680	5,049	5.09	2,143	3
10	7.00	102,028	0.62	5,276	11,781	4.85	4,765	6
11								
12								
13	7.00	100,810	0.66	5,549	11,781	4.84	4,755	5
14								
15								
16	4.00	62,857	0.60	3,145	8,415	4.61	3,235	3
17	6.50	96,384	0.60	4,823	10,098	5.11	4,304	7
18								
19								
20								
21	7.00	107,560	0.72	6,459	11,781	5.24	5,148	7
22								
23	3.00	43,414	0.58	2,100	5,049	4.78	2,013	3
24	6.25	91,005	0.60	4,554	8,415	4.83	3,390	6
25								
26								
27	7.25	106,438	0.55	4,882	10,098	5.47	4,607	6
28								
29								
30	4.00	63,431	0.58	3,068	6,732	5.19	2,914	3
TOTAL	69	1,025,217	7.69	54,968	117,810	59.99	49,193	61

REVISED 7/17/14

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
06/01/22																															
06/02/22							8.8	8.0	8.0								6/2/22	12:50	143.5	13,464											
06/03/22	GG	138.1	104,781	50,837	36,861	72.5	8.0	8.0	8.9	15,147	6,422	4,657	138.1	14:15	6.7	6/3/22 20:58															
06/04/22																															
06/05/22							8.8	8.0	8.0								6/5/22	9:45	143.4	13,464											
06/06/22	GG	138.3	103,661	48,986	35,783	73.0	8.0	8.0	8.8	13,464	5,501	4,018	138.3	14:15	6.5	6/6/22 20:44															
06/07/22																															
06/08/22							8.8	8.0	8.0								6/8/22	13:00	143.4	13,464											
06/09/22	GG	141.6	42,848	50,899	36,074	70.9	8.0	8.0	8.3	5,049	2,143	1,519	141.6	10:45	3.6	6/9/22 14:20															
06/10/22	GL	139.0	102,028	58,537	34,193	58.4	8.3	8.3	9.0	11,781	5,751	3,360	139.0	14:15	5.7	6/10/22 19:58															
06/11/22																															
06/12/22							8.9	8.0	8.0								6/12/22	6:35	143.0	15,147											
06/13/22	GG	138.3	100,810	48,408	34,598	71.5	8.0	8.0	8.7	11,781	4,756	3,399	138.3	14:15	6.5	6/13/22 20:44															
06/14/22																															
06/15/22							8.6	8.0	8.0								6/15/22	12:45	142.0	10,098											
06/16/22	GG	139.6	62,857	46,103	32,738	71.0	8.0	8.0	8.5	8,415	3,236	2,298	139.6	11:15	5.1	6/16/22 16:23															
06/17/22	GL	138.5	96,384	51,084	36,223	70.9	8.4	8.4	9.0	10,098	4,302	3,051	138.5	13:35	6.3	6/17/22 19:50															
06/18/22																															
06/19/22																															
06/20/22							8.9	8.0	8.0								6/20/22	6:45	141.1	15,147											
06/21/22	CK	136.8	107,560	52,379	37,356	71.3	8.0	8.0	8.7	11,781	5,146	3,670	136.8	14:15	8.5	6/21/22 22:44															
06/22/22																															
06/23/22	GG	138.2	43,414	47,809	33,748	70.6	8.6	8.6	8.9	5,049	2,013	1,421	138.2	10:15	6.6	6/23/22 16:51															
06/24/22	GG	137.1	91,005	48,312	34,075	70.5	8.9	8.9	9.4	8,415	3,391	2,391	137.1	13:30	8.0	6/24/22 21:32				</											

Veolia Middletown WWTP

June

2022

[illegible]

Veolia Middletown WWTP

Centrifuge Monthly Report

June

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	5.50	27,062	2.71	6,116	3.06	31.7	974	319	15	89	6.2	9.2	
02	5.25	25,807	2.65	5,704	2.85	31.3	929	326	14	82	5.9	7.8	
03													
04													
05													
06													
07													
08	5.00	24,741	2.77	5,716	2.86	30.6	885	310	20	82	6.0	8.0	
09													
10													
11													
12													
13													
14													
15	5.00	24,066	2.83	5,680	2.84	30.9	885	312	14	78	6.0	8.4	
16													
17													
18													
19													
20													
21													
22	5.75	25,811	2.79	6,006	3.00	32.7	1,018	339	24	0	6.0	8.4	
23													
24													
25													
26													
27													
28													
29	5.25	26,136	2.90	6,321	3.16	30.2	929	294	22	89	5.9	8.3	
30													

PA MIDDLETOWN WWTP

June, 2022

BIOSOLIDS INVENTORY

DATE	DRY TONS		TO	USE	TOTAL ON SITE
	PROCESSED	DELIVERED			
06/01/22	3.06				27.25
06/02/22	2.85				30.10
06/03/22					
06/04/22					
06/05/22					
06/06/22					
06/07/22					
06/08/22	2.86				32.96
06/09/22					
06/10/22					
06/11/22					
06/12/22					
06/13/22					
06/14/22					
06/15/22	2.84				35.80
06/16/22					
06/17/22					
06/18/22					
06/19/22					
06/20/22					
06/21/22					
06/22/22	3.00				38.80
06/23/22					
06/24/22					
06/25/22					
06/26/22					
06/27/22					
06/28/22					
06/29/22	3.16				41.96
06/30/22					
Total Tons	17.77			Total Tons	206.87
Metric Tons	16.12			Metric Tons	187.67

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	17.77		16.12	
Jul, 2022				
Aug, 2022				
Sep, 2022				
Oct, 2022				
Nov, 2022				
Dec, 2022				
Total	83.89	44.81	76.10	40.65
Average	13.98	11.20	12.68	10.16
Maximum	17.77	13.72	16.12	12.45
Minimum	9.52	5.76	8.64	5.23

Veolia Middletown WWTP

Biosolids Volatile Reduction

M.J. Reider Results

2022

Date	Thickener Discharge			SNDR			Volatile Reduction
	TS	TVS	VS	TS	TVS	VS	
	mg/L		%	mg/L		%	%
01/03/22	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
06/06/22	44,000	31,460	71.5	26,500	15,200	57.4	51.7
06/21/22	52,000	36,920	71.0	27,500	16,000	58.2	56.7
AVG	52,583	39,609	75.3	24,833	13,567	54.6	
Avg. % TS Reduction		52.8	Avg. Mass Balance % VS Reduction				65.7

**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	34.545	1.151	06/26/22	1.644	06/20/22	0.911
July						
August						
September						
October						
November						
December						
Total	258.886					
Average	43.148	1.430		2.907		1.031
Maximum	60.508	1.952		4.861		1.167
Minimum	34.545	1.121		1.644		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
249	2	71,665	688	70,978	99.0	0.38	110	3
		452,336	6,611	445,725			532	
218	3	75,389	1,102	74,287	98.4	0.24	89	
249	4	83,688	1,737	82,608	99.0	0.38	175	
148	2	70,864	688	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	203	3	58,485	756	57,728	98.7
July						
August						
September						
October						
November						
December						
Total			419,955	12,053	407,902	
Average	201.4	5.6	69,992	2,009	67,984	96.8
Maximum	242.8	7.9	77,176	3,327	74,529	98.7
Minimum	149.6	2.6	58,485	756	57,728	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
0.04	12	0.8	218	1.84	529	2.59	747	<2.0
	138	5	1,843		4,275		6,133	
0.06	23	1	307	2.02	712	2.89	1,022	
0.13	55	1	421	2.30	840	3.23	1,206	
0.04	12	1	218	1.67	529	2.31	747	



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)

M.J. Reider Associates, Inc.

Lab ID: 2218701-03 **Collected By:** Client **Sampled:** 06/01/22 09:00 **Received:** 06/01/22 13:45
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	6/1/22 14:33	6/2/22 14:05		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2218701-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2F0383	06/07/2022	SNF



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2219510

Report: 06/16/22

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: 2219510-01

Collected By: Client

Sampled: 06/07/22 07:10

Received: 06/07/22 14:10

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	271	mg/l	2.0	SM 5210 B	06/07/22 16:55		KMS
Solids, Total Suspended	272	mg/l	1	SM 2540 D	06/08/22		ALD

Lab ID: 2219510-02

Collected By: Client

Sampled: 06/07/22 08:47

Received: 06/07/22 14:10

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	06/08/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	06/08/22 10:55		ASD
Nitrate as N	1.96	mg/l	1.00	EPA 300.0 Rev 2.1	06/07/22 17:48		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	06/07/22 17:48		JAF
Nitrate+Nitrite as N	<2.06	mg/l	1.10	CALCULATED	06/07/22 17:48		JAF
Nitrogen, Total	<2.76	mg/l	1.60	CALCULATED	06/10/22 2:00		MRW
Nitrogen, Total Kjeldahl (TKN)	0.70	mg/l	0.50	EPA 351.2 Rev 2.0	06/10/22		MRW
Phosphorus as P, Total	0.59	mg/l	0.01	SM 4500-P F	06/08/22		MRW
Solids, Total Suspended	1	mg/l	1	SM 2540 D	06/08/22		ALD

Lab ID: 2219510-03

Collected By: Client

Sampled: 06/07/22 09:00

Received: 06/07/22 14:10

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	6/7/22 15:59	6/8/22 15:13		DRW



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2219656

Report: 06/16/22

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: 2219656-01

Collected By: Client

Sampled: 06/08/22 07:10

Received: 06/08/22 13:42

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	344	mg/l	2.0	SM 5210 B	06/08/22 16:00		KMS
Solids, Total Suspended	228	mg/l	1	SM 2540 D	06/09/22		ALD

Lab ID: 2219656-02

Collected By: Client

Sampled: 06/08/22 08:48

Received: 06/08/22 13:42

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	06/14/22		MRW
Carbonaceous Biochemical Oxygen Demand	3.1	mg/l	2.0	SM 5210 B	06/08/22 16:05		ASD
Nitrate as N	1.91	mg/l	1.00	EPA 300.0 Rev 2.1	06/08/22 14:51		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	06/08/22 14:51		JAF
Nitrate+Nitrite as N	<2.01	mg/l	1.10	CALCULATED	06/08/22 14:51		JAF
Nitrogen, Total	<3.08	mg/l	1.60	CALCULATED	06/13/22 18:08		SNF
Nitrogen, Total Kjeldahl (TKN)	1.07	mg/l	0.50	EPA 351.2 Rev 2.0	06/13/22		SNF
Phosphorus as P, Total	0.50	mg/l	0.01	SM 4500-P F	06/14/22		MRW
Solids, Total Suspended	7	mg/l	1	SM 2540 D	06/09/22		ALD

Lab ID: 2219656-03

Collected By: Client

Sampled: 06/08/22 09:02

Received: 06/08/22 13:42

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	6/8/22 15:40	6/9/22 15:37		DRW



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2220340

Report: 06/22/22

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: 2220340-01

Collected By: Client

Sampled: 06/14/22 07:15

Received: 06/14/22 13:50

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	179	mg/l	2.0	SM 5210 B	06/14/22 15:30		KMS
Solids, Total Suspended	204	mg/l	1	SM 2540 D	06/15/22		ALD

Lab ID: 2220340-02

Collected By: Client

Sampled: 06/14/22 08:40

Received: 06/14/22 13:50

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	06/17/22		MRW
Carbonaceous Biochemical Oxygen Demand	2.7	mg/l	2.0	SM 5210 B	06/14/22 15:38		KMS
Nitrate as N	1.72	mg/l	1.00	EPA 300.0 Rev 2.1	06/14/22 14:17		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	06/14/22 14:17		JAF
Nitrate+Nitrite as N	<1.82	mg/l	1.10	CALCULATED	06/14/22 14:17		JAF
Nitrogen, Total	<2.32	mg/l	1.60	CALCULATED	06/16/22 17:40		SNF
Nitrogen, Total Kjeldahl (TKN)	0.50	mg/l	0.50	EPA 351.2 Rev 2.0	06/16/22		SNF
Phosphorus as P, Total	0.33	mg/l	0.01	SM 4500-P F	06/17/22		MRW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	06/15/22		ALD

Lab ID: 2220340-03

Collected By: Client

Sampled: 06/14/22 08:58

Received: 06/14/22 13:50

Sample Desc: Effluent (Grab)

Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	6/14/22 14:53	6/15/22 14:06		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.:** 2220597**Report:** 06/23/22**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:** 2220597-01**Collected By:** Client**Sampled:** 06/15/22 07:10**Received:** 06/15/22 14:30**Sample Desc:** Influent (24Hr Composite)**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	204	mg/l	2.0	SM 5210 B	06/15/22 16:40		ASD
Solids, Total Suspended	182	mg/l	1	SM 2540 D	06/16/22		ALD

Lab ID: 2220597-02**Collected By:** Client**Sampled:** 06/15/22 08:46**Received:** 06/15/22 14:30**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	06/21/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	06/15/22 17:43		ASD
Nitrate as N	1.65	mg/l	1.00	EPA 300.0 Rev 2.1	06/15/22 20:57		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	06/15/22 20:57		JAF
Nitrate+Nitrite as N	<1.75	mg/l	1.10	CALCULATED	06/15/22 20:57		JAF
Nitrogen, Total	<2.25	mg/l	1.60	CALCULATED	06/17/22 4:14		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	06/17/22		SNF
Phosphorus as P, Total	0.31	mg/l	0.01	SM 4500-P F	06/21/22		MRW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	06/16/22		ALD

Lab ID: 2220597-03**Collected By:** Client**Sampled:** 06/15/22 09:00**Received:** 06/15/22 14:30**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	6/15/22 15:15	6/16/22 14:55		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.: 2221631

Report: 06/29/22

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: 2221631-01

Collected By: Client

Sampled: 06/21/22 08:05

Received: 06/21/22 13:04

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	327	mg/l	2.0	SM 5210 B	06/21/22 15:12		KMS
Solids, Total Suspended	232	mg/l	1	SM 2540 D	06/22/22		ALD

Lab ID: 2221631-02

Collected By: Client

Sampled: 06/21/22 07:55

Received: 06/21/22 13:04

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.08	mg/l	0.02	EPA 350.1	06/23/22		MRW
Carbonaceous Biochemical Oxygen Demand	3.3	mg/l	2.0	SM 5210 B	06/21/22 15:02		KMS
Nitrate as N	1.62	mg/l	1.00	EPA 300.0 Rev 2.1	06/21/22 14:50		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	06/21/22 14:50		JAF
Nitrate+Nitrite as N	<1.72	mg/l	1.10	CALCULATED	06/21/22 14:50		JAF
Nitrogen, Total	<2.22	mg/l	1.60	CALCULATED	06/24/22 2:54		MRW
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	06/24/22		MRW
Phosphorus as P, Total	0.32	mg/l	0.01	SM 4500-P F	06/23/22		MRW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	06/22/22		ALD

Lab ID: 2221631-03

Collected By: Client

Sampled: 06/21/22 09:58

Received: 06/21/22 13:04

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	6/21/22 14:50	6/22/22 14:10		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.: 2223485

Report: 06/30/22

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: 2223485-01

Collected By: Client

Sampled: 06/22/22 08:35

Received: 06/22/22 12:57

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	209	mg/l	2.0	SM 5210 B	06/22/22 16:00		KMS
Solids, Total Suspended	228	mg/l	1	SM 2540 D	06/23/22		ALD

Lab ID: 2223485-02

Collected By: Client

Sampled: 06/22/22 08:23

Received: 06/22/22 12:57

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.09	mg/l	0.02	EPA 350.1	06/24/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	06/22/22 15:33		KMS
Nitrate as N	1.92	mg/l	1.00	EPA 300.0 Rev 2.1	06/22/22 14:11		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	06/22/22 14:11		JAF
Nitrate+Nitrite as N	<2.02	mg/l	1.10	CALCULATED	06/22/22 14:11		JAF
Nitrogen, Total	<3.32	mg/l	1.60	CALCULATED	06/28/22 11:44		MRW
Nitrogen, Total Kjeldahl (TKN)	1.30	mg/l	0.50	EPA 351.2 Rev 2.0	06/28/22		MRW
Phosphorus as P, Total	0.29	mg/l	0.01	SM 4500-P F	06/24/22		MRW
Solids, Total Suspended	4	mg/l	1	SM 2540 D	06/23/22		ALD

Lab ID: 2223485-03

Collected By: Client

Sampled: 06/22/22 09:30

Received: 06/22/22 12:57

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	6/22/22 15:15	6/23/22 14:08		DRW



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2221438

Report: 07/05/22

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: 2221438-01

Collected By: Client

Sampled: 06/28/22 07:10

Received: 06/28/22 14:02

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	250	mg/l	2.0	SM 5210 B	06/28/22 16:04		KMS
Solids, Total Suspended	140	mg/l	1	SM 2540 D	06/29/22		ALD

Lab ID: 2221438-02

Collected By: Client

Sampled: 06/28/22 08:47

Received: 06/28/22 14:02

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	06/29/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	06/28/22 16:17		KMS
Nitrate as N	1.58	mg/l	1.00	EPA 300.0 Rev 2.1	06/28/22 19:20		HRG
Nitrite as N	0.11	mg/l	0.10	EPA 300.0 Rev 2.1	06/28/22 19:20		HRG
Nitrate+Nitrite as N	1.69	mg/l	1.10	CALCULATED	06/28/22 19:20		HRG
Nitrogen, Total	2.36	mg/l	1.60	CALCULATED	06/30/22 23:33		SNF
Nitrogen, Total Kjeldahl (TKN)	0.67	mg/l	0.50	EPA 351.2 Rev 2.0	06/30/22		SNF
Phosphorus as P, Total	0.40	mg/l	0.01	SM 4500-P F	06/29/22		MRW
Solids, Total Suspended	1	mg/l	1	SM 2540 D	06/29/22		ALD

Lab ID: 2221438-03

Collected By: Client

Sampled: 06/28/22 09:02

Received: 06/28/22 14:02

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	6/28/22 15:08	6/29/22 13:53		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.: 2222416

Report: 07/07/22

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: 2222416-01

Collected By: Client

Sampled: 06/29/22 07:10

Received: 06/29/22 13:40

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	206	mg/l	2.0	SM 5210 B	06/29/22 14:56		NKH
Solids, Total Suspended	138	mg/l	1	SM 2540 D	06/30/22		ALD

Lab ID: 2222416-02

Collected By: Client

Sampled: 06/29/22 08:47

Received: 06/29/22 13:40

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1	06/30/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	06/29/22 14:59		NKH
Nitrate as N	1.52	mg/l	1.00	EPA 300.0 Rev 2.1	06/29/22 15:57		JAF
Nitrite as N	0.10	mg/l	0.10	EPA 300.0 Rev 2.1	06/29/22 15:57		JAF
Nitrate+Nitrite as N	1.62	mg/l	1.10	CALCULATED	06/29/22 15:57		JAF
Nitrogen, Total	2.43	mg/l	1.60	CALCULATED	07/01/22 2:00		SNF
Nitrogen, Total Kjeldahl (TKN)	0.81	mg/l	0.50	EPA 351.2 Rev 2.0	07/01/22		SNF
Phosphorus as P, Total	0.31	mg/l	0.01	SM 4500-P F	06/30/22		MRW
Solids, Total Suspended	4	mg/l	1	SM 2540 D	06/30/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2222416-03 **Collected By:** Client **Sampled:** 06/29/22 09:00 **Received:** 06/29/22 13:40
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	6/29/22 15:12	6/30/22 13:46		JMW

Preparation Methods

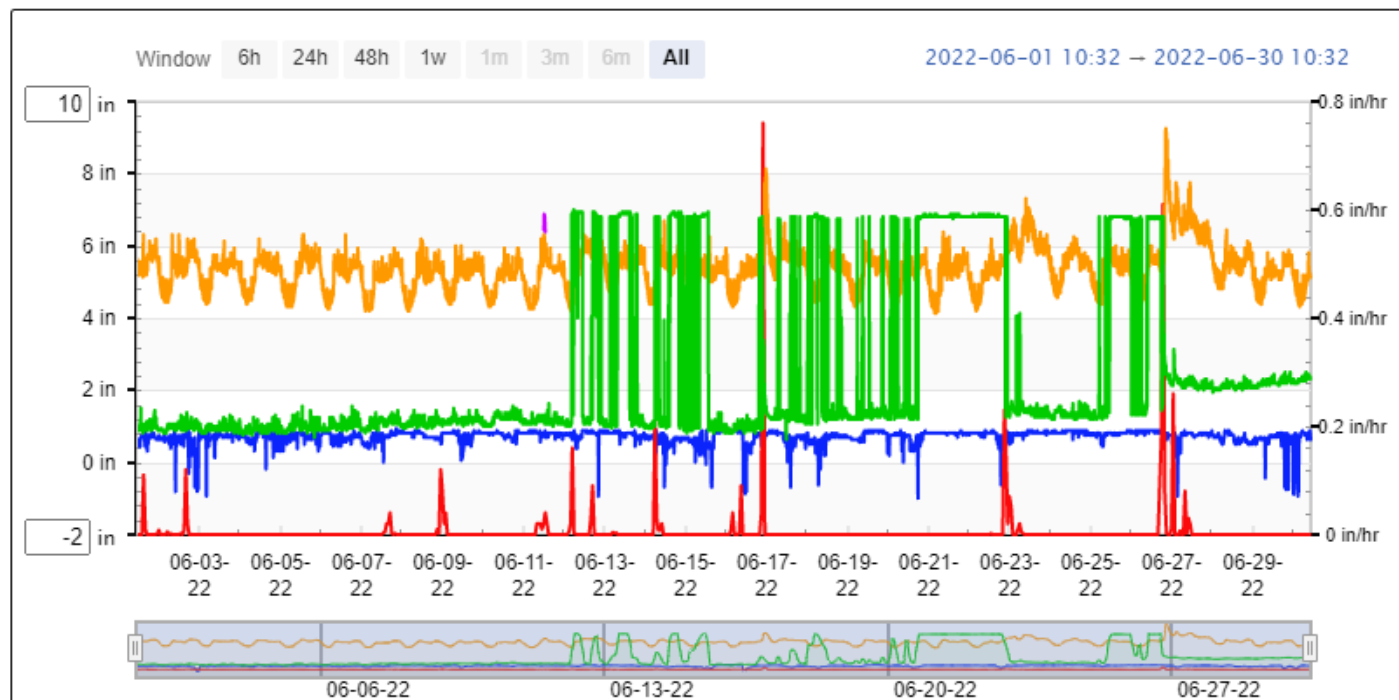
Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2222416-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2F1665	06/29/2022	SNF



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Time Period Custom

Date Range 2022-06-01 10:32 - 2022-06-30 10:32

Long Filter No Filter

Update Chart

Download Data

Locations

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

Total: 4.25 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

June, 2022

Maximum Day 926,597
Minimum Day 677,969

Days pumped 30

Date	Well No.1	Well No.2	Well No.3	Well No.4	Well No.5	Well No.6	Total	Union Booster
01	126,978	307,863			75,326	235,315	745,482	60,626
02	142,386	307,632			104,244	328,905	883,167	98,446
03	160,136	306,789			94,237	299,044	860,206	94,744
04	147,493	306,864			86,863	275,608	816,828	60,141
05	158,421	306,660			93,283	294,356	852,720	119,747
06	170,388	304,708			100,093	316,259	891,448	72,692
07	159,359	304,882			93,947	297,392	855,580	56,469
08	149,566	298,024			92,855	291,197	831,642	76,911
09	185,137	304,650			109,430	327,380	926,597	102,061
10	150,029	304,589			88,139	274,041	816,798	56,946
11	139,561	306,038			82,237	246,342	774,178	62,927
12	135,095	305,087			79,552	240,742	760,476	79,697
13	168,309	304,179			99,415	314,402	886,305	109,849
14	116,727	305,760			68,981	216,398	707,866	63,352
15	159,127	303,923			90,784	294,196	848,030	75,428
16	149,805	304,526			88,330	278,658	821,319	70,578
17	107,952	305,518			64,359	200,140	677,969	65,244
18	152,744	304,197			89,829	281,823	828,593	107,850
19	157,802	303,763			92,744	291,772	846,081	57,485
20	145,981	304,286			86,064	269,983	806,314	57,814
21	127,482	303,526			75,101	236,138	742,247	59,669
22	172,680	301,955			101,924	284,690	861,249	83,871
23	171,183	302,610			73,074	294,100	840,967	112,742
24	149,518	301,741			74,423	275,154	800,836	55,096
25	159,078	301,600			94,147	295,807	850,632	57,610
26	177,449	301,397			105,381	294,778	879,005	64,188
27	122,683	302,852			72,760	227,791	726,086	58,409
28	150,367	302,491			88,641	278,734	820,233	66,049
29	156,857	300,117			93,155	291,847	841,976	114,866
30	168,744	301,800			100,631	313,983	885,158	76,846
Totals:	4,539,037	9,120,027			2,659,949	8,366,975	24,685,988	2,298,353
Maximum	185,137	307,863			109,430	328,905	926,597	119,747
Minimum	107,952	298,024			64,359	200,140	677,969	55,096
Average	151,301	304,001			88,665	278,899	822,866	76,612

	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	Jun	1 Wed															
6		2 Thu															
7		3 Fri															
8		4 Sat															
9		5 Sun															
10		6 Mon															
11		7 Tue		6-7-22	7.80	22.0	329.0	209.00	103.00	0.06	23.20	<0.02	<0.01	303.00	691.00	7.80	
12		8 Wed															
13		9 Thu															
14		10 Fri															
15		11 Sat															
16		12 Sun															
17		13 Mon															
18		14 Tue		6-14-22	7.80	22.0	315.0	197.00	96.00	0.06	21.80	<0.02	<0.01	284.00	676.00	7.80	
19		15 Wed															
20		16 Thu															
21		17 Fri															
22		18 Sat															
23		19 Sun															
24		20 Mon															
25		21 Tue		6-21-22	7.80	23.0	318.0	202.00	99.00	0.01	22.10	<0.02	<0.01	289.00	681.00	7.80	
26		22 Wed															
27		23 Thu															
28		24 Fri															
29		25 Sat															
30		26 Sun															
31		27 Mon															
32		28 Tue		6-28-22	7.80	24.0	331.0	199.00	104.00	0.04	23.10	<0.02	<0.01	304.00	690.00	7.80	
33		29 Wed															
34		30 Thu															
36		MINIMUM		6-14-22	7.80	22.0	315.0	197.00	96.00	0.01	21.80	<0.02	<0.01	284.00	676.00	7.80	
37		MAXIMUM		6-7-22	7.80	24.0	331.0	209.00	104.00	0.06	23.20	<0.02	<0.01	304.00	691.00	7.80	
38		AVERAGE		1	7.80	22.8	323.3	201.75	100.50	0.04	22.55	<0.02	<0.01	295.00	684.50	3.84	
39		SUM		4	31.20	91.0	1,293.0	807.00	402.00	0.17	90.20	<0.08	<0.04	1,180.00	2,738.00	15.37	



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2220599

Reported: 06/10/22

Lab Contact: Christina M Kistler

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

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

Lab ID: 2220599-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 06/07/22 09:04 **Received:** 06/07/22 14:10
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	6/7/22 17:16	6/8/22 11:41		NAK	N/A 1

Lab ID: 2220599-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 06/07/22 08:14 **Received:** 06/07/22 14:10
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	6/7/22 17:16	6/8/22 11:41		NAK	N/A 1

Lab ID: 2220599-03 **Collected By:** Client
Sample Desc: 706 North Union Street Standpipe
Notes:

Sampled: 06/07/22 08:28 **Received:** 06/07/22 14:10
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 706

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	6/7/22 17:16	6/8/22 11:41		NAK	N/A 1



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E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051822	701		051722	D	0909	06003	2217753-01	KISTLERC_1214
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	060822	701		060722	D	0904	06003	2220599-01	KISTLERC_2969
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051822	703		051722	D	0833	06003	2217753-02	KISTLERC_1215
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	060822	703		060722	D	0814	06003	2220599-02	KISTLERC_2970
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051122	704		051022	D	0838	06003	2216819-01	KISTLERC_429
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	052522	704		052422	D	0832	06003	2218703-01	KISTLERC_1560
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051122	705		051022	D	0852	06003	2216819-02	KISTLERC_430
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	052522	705		052422	D	0818	06003	2218703-02	KISTLERC_1561
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	060822	706		060722	D	0828	06003	2220599-03	KISTLERC_2971
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	051822	707		051722	D	0855	06003	2217753-03	KISTLERC_1216

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		052022	100		050322	E	0723	06003	2215821-01	KISTLERC_1734
7220038	2378	1,2,4-TRICHLOROBENZE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1302
7220038	2380	cis-1,2-DICHLOROETHYLENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1308
7220038	2955	XYLENES (TOTAL)	221	0.0	0.00100		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1314
7220038	2964	DICHLOROMETHANE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1320

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2968	o-DICHLOROBENZENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1326
7220038	2969	PARA-DICHLOROBENZENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1332
7220038	2976	VINYL CHLORIDE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1338
7220038	2977	1,1-DICHLOROETHYLENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1344
7220038	2979	trans-1,2-DICHLOROETHYLENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1350
7220038	2980	1,2-DICHLOROETHANE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1356
7220038	2981	1,1,1-TRICHLOROETHANE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1362
7220038	2982	CARBON TETRACHLORIDE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1368
7220038	2983	1,2-DICHLOROPROPANE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1374
7220038	2984	TRICHLOROETHYLENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1380
7220038	2985	1,1,2-TRICHLOROETHANE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1387
7220038	2987	TETRACHLOROETHYLENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1393
7220038	2989	CHLOROBENZENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1399
7220038	2990	BENZENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1405
7220038	2991	TOLUENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1411
7220038	2992	ETHYLBENZENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1417
7220038	2996	STYRENE	221	0.0	0.00050		051622	100		051022	E	0743	06003	2216817-01	KISTLERC_1423
7220038	2378	1,2,4-TRICHLOROBENZE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1303
7220038	2380	cis-1,2-DICHLOROETHYLENE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1309
7220038	2955	XYLENES (TOTAL)	221	0.0	0.00100		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1315

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2964	DICHLOROMETHANE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1321
7220038	2968	o-DICHLOROBENZENE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1327
7220038	2969	PARA-DICHLOROBENZENE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1333
7220038	2976	VINYL CHLORIDE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1339
7220038	2977	1,1-DICHLOROETHYLENE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1345
7220038	2979	trans-1,2-DICHLOROETHYLENE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1351
7220038	2980	1,2-DICHLOROETHANE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1357
7220038	2981	1,1,1-TRICHLOROETHANE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1363
7220038	2982	CARBON TETRACHLORIDE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1369
7220038	2983	1,2-DICHLOROPROPANE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1375
7220038	2984	TRICHLOROETHYLENE	221	0.00080	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1383
7220038	2985	1,1,2-TRICHLOROETHANE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1388
7220038	2987	TETRACHLOROETHYLENE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1394
7220038	2989	CHLOROBENZENE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1400
7220038	2990	BENZENE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1406
7220038	2991	TOLUENE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1412
7220038	2992	ETHYLBENZENE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1418
7220038	2996	STYRENE	221	0.0	0.00050		051622	102		051022	E	0735	06003	2216817-02	KISTLERC_1424
7220038	2378	1,2,4-TRICHLOROBENZE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1304
7220038	2380	cis-1,2-DICHLOROETHYLENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1310

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2955	XYLENES (TOTAL)	221	0.0	0.00100		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1316
7220038	2964	DICHLOROMETHANE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1322
7220038	2968	o-DICHLOROBENZENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1328
7220038	2969	PARA-DICHLOROBENZENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1334
7220038	2976	VINYL CHLORIDE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1340
7220038	2977	1,1-DICHLOROETHYLENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1346
7220038	2979	trans-1,2-DICHLOROETHYLENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1352
7220038	2980	1,2-DICHLOROETHANE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1358
7220038	2981	1,1,1-TRICHLOROETHANE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1364
7220038	2982	CARBON TETRACHLORIDE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1370
7220038	2983	1,2-DICHLOROPROPANE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1376
7220038	2984	TRICHLOROETHYLENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1381
7220038	2985	1,1,2-TRICHLOROETHANE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1389
7220038	2987	TETRACHLOROETHYLENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1395
7220038	2989	CHLOROBENZENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1401
7220038	2990	BENZENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1407
7220038	2991	TOLUENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1413
7220038	2992	ETHYLBENZENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1419
7220038	2996	STYRENE	221	0.0	0.00050		051622	105		051022	E	0809	06003	2216817-04	KISTLERC_1425
7220038	2378	1,2,4-TRICHLOROBENZE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_528

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2380	cis-1,2-DICHLOROETHYLENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_529
7220038	2955	XYLENES (TOTAL)	221	0.0	0.00100		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_536
7220038	2964	DICHLOROMETHANE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_539
7220038	2968	o-DICHLOROBENZENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_540
7220038	2969	PARA-DICHLOROBENZENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_541
7220038	2976	VINYL CHLORIDE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_542
7220038	2977	1,1-DICHLOROETHYLENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_543
7220038	2979	trans-1,2-DICHLOROETHYLENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_544
7220038	2980	1,2-DICHLOROETHANE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_545
7220038	2981	1,1,1-TRICHLOROETHANE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_546
7220038	2982	CARBON TETRACHLORIDE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_547
7220038	2983	1,2-DICHLOROPROPANE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_548
7220038	2984	TRICHLOROETHYLENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_549
7220038	2985	1,1,2-TRICHLOROETHANE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_550
7220038	2987	TETRACHLOROETHYLENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_551
7220038	2989	CHLOROBENZENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_552
7220038	2990	BENZENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_553
7220038	2991	TOLUENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_554
7220038	2992	ETHYLBENZENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_555
7220038	2996	STYRENE	221	0.0	0.00050		050422	106		050322	E	0751	06003	2215823-02	KISTLERC_556



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2220598

Reported: 06/17/22

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: 2220598-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 06/07/22 09:06 **Received:** 06/07/22 14:10
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	209	mg CaCO ₃ /L	2	SM 2320 B	06/09/22		APR	N/A N/A	
Total Hardness as CaCO ₃	329	mg/l	4.56	CALCULATED	06/09/22		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	06/15/22		MRW	N/A N/A	
Silica as SiO ₂	23.2	mg/l	2.14	CALCULATED	06/10/22		HRG	N/A N/A	
Conductivity	691	umhos/cm	1	SM 2510 B	06/08/22		KMS	N/A N/A	
Total Metals									
Calcium	103	mg/l	1	EPA 200.7 Rev 4.4	06/09/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	06/08/22		HRG	N/A 0.3	PASS
Magnesium	17.3	mg/l	0.5	EPA 200.7 Rev 4.4	06/09/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	06/08/22		MPB	N/A 0.05	PASS
Silicon	10.8	mg/l	1.0	EPA 200.7 Rev 4.4	06/10/22		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
2220598-01			
SM 4500-P F	SM 4500-P B	06/14/2022	SNF



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



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2221633

Reported: 06/17/22

Lab Contact: Christina M Kistler

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

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

Lab ID: 2221633-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 06/14/22 08:30 **Received:** 06/14/22 13:50
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 704

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	6/14/22 17:25	6/15/22 11:49		JMW	N/A 1

Lab ID: 2221633-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 06/14/22 08:16 **Received:** 06/14/22 13:50
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 705

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	6/14/22 17:25	6/15/22 11:49		JMW	N/A 1



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



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

7220038: VEOLIA MIDDLETOWN													
SDWA1													
PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	061522	704		061422	D	0830	06003	2221633-01	KISTLERC_239
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	061522	705		061422	D	0816	06003	2221633-02	KISTLERC_240



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2221632

Reported: 06/29/22

Lab Contact: Christina M Kistler

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

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2221632-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 06/14/22 08:45 **Received:** 06/14/22 13:50
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	197	mg CaCO ₃ /L	2	SM 2320 B	06/17/22		APR	N/A N/A	
Total Hardness as CaCO ₃	315	mg/l	4.56	CALCULATED	06/16/22		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	06/18/22		MRW	N/A N/A	
Silica as SiO ₂	21.8	mg/l	2.14	CALCULATED	06/16/22		HRG	N/A N/A	
Conductivity	676	umhos/cm	1	SM 2510 B	06/28/22		KMS	N/A N/A	
Total Metals									
Calcium	96	mg/l	1	EPA 200.7 Rev 4.4	06/16/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	06/15/22		HRG	N/A 0.3	PASS
Magnesium	18.0	mg/l	0.5	EPA 200.7 Rev 4.4	06/16/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	06/16/22		MPB	N/A 0.05	PASS
Silicon	10.2	mg/l	1.0	EPA 200.7 Rev 4.4	06/16/22		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
2221632-01			
SM 4500-P F	SM 4500-P B	06/17/2022	MRW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2222630

Reported: 06/28/22

Lab Contact: Christina M Kistler

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

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

Lab ID: 2222630-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 06/21/22 09:01 **Received:** 06/21/22 13:04
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	6/21/22 16:17	6/22/22 10:49		DRW	N/A 1

Lab ID: 2222630-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 06/21/22 08:22 **Received:** 06/21/22 13:04
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	6/21/22 16:17	6/22/22 10:49		DRW	N/A 1

Lab ID: 2222630-03 **Collected By:** Client
Sample Desc: 706 North Union Street Standpipe
Notes:

Sampled: 06/21/22 08:43 **Received:** 06/21/22 13:04
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 706

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	6/21/22 16:17	6/22/22 10:49		DRW	N/A 1



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E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	062222	701		062122	D	0901	06003	2222630-01	KISTLERC_771
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	062222	703		062122	D	0822	06003	2222630-02	KISTLERC_772
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	061522	704		061422	D	0830	06003	2221633-01	KISTLERC_239
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	061522	705		061422	D	0816	06003	2221633-02	KISTLERC_240
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	062222	706		062122	D	0843	06003	2222630-03	KISTLERC_773



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2222629

Reported: 07/07/22

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: 2222629-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 06/21/22 09:03 **Received:** 06/21/22 13:04
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	06/24/22		MPB	N/A N/A	
Total Hardness as CaCO ₃	318	mg/l	4.56	CALCULATED	06/23/22		HRG	N/A N/A	
Phosphorus as P, Total	0.01	mg/l	0.01	SM 4500-P F	06/29/22		MRW	N/A N/A	
Silica as SiO ₂	22.1	mg/l	2.14	CALCULATED	06/23/22		HRG	N/A N/A	
Conductivity	681	umhos/cm	1	SM 2510 B	06/28/22		KMS	N/A N/A	
Total Metals									
Calcium	99	mg/l	1	EPA 200.7 Rev 4.4	06/23/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	06/22/22		HRG	N/A 0.3	PASS
Magnesium	17.3	mg/l	0.5	EPA 200.7 Rev 4.4	06/23/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	06/23/22		MPB	N/A 0.05	PASS
Silicon	10.3	mg/l	1.0	EPA 200.7 Rev 4.4	06/23/22		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
2222629-01			
SM 4500-P F	SM 4500-P B	06/28/2022	SNF



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2224905

Reported: 07/07/22

Lab Contact: Christina M Kistler

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

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

Lab ID: 2224905-01 **Collected By:** client
Sample Desc: 704 Pineford Office
Notes:

Sampled: 06/28/22 08:37 **Received:** 06/28/22 14:02
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	6/28/22 17:01	6/29/22 11:13		JMW	N/A 1

Lab ID: 2224905-02 **Collected By:** client
Sample Desc: 705 High St Stand Pipe
Notes:

Sampled: 06/28/22 08:13 **Received:** 06/28/22 14:02
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	6/28/22 17:01	6/29/22 11:13		JMW	N/A 1



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E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	062222	701		062122	D	0901	06003	2222630-01	KISTLERC_771
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	062222	703		062122	D	0822	06003	2222630-02	KISTLERC_772
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	061522	704		061422	D	0830	06003	2221633-01	KISTLERC_239
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	062922	704		062822	D	0837	06003	2224905-01	KISTLERC_1138
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	061522	705		061422	D	0816	06003	2221633-02	KISTLERC_240
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	062922	705		062822	D	0813	06003	2224905-02	KISTLERC_1139
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	062222	706		062122	D	0843	06003	2222630-03	KISTLERC_773



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2223718

Reported: 07/13/22

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: 2223718-01 **Collected By:** client
Sample Desc: WWTP Lab Sink

Sampled: 06/28/22 08:55 **Received:** 06/28/22 14:02
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	199	mg CaCO ₃ /L	2	SM 2320 B	06/30/22		APR	N/A N/A	
Total Hardness as CaCO ₃	331	mg/l	4.56	CALCULATED	06/30/22		HRG	N/A N/A	
Phosphorus as P, Total	0.04	mg/l	0.01	SM 4500-P F	06/30/22		MRW	N/A N/A	
Silica as SiO ₂	23.1	mg/l	2.14	CALCULATED	07/01/22		HRG	N/A N/A	
Conductivity	690	umhos/cm	1	SM 2510 B	07/06/22		NKH	N/A N/A	
Total Metals									
Calcium	104	mg/l	1	EPA 200.7 Rev 4.4	06/30/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	07/01/22		HRG	N/A 0.3	PASS
Magnesium	17.3	mg/l	0.5	EPA 200.7 Rev 4.4	06/30/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	06/30/22		MPB	N/A 0.05	PASS
Silicon	10.8	mg/l	1.0	EPA 200.7 Rev 4.4	07/01/22		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
2223718-01			
SM 4500-P F	SM 4500-P B	06/29/2022	SNF



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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

Wed, Jul 6, 2022 at 9:47 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 100 Well No 1 (3).xls	HANNANJ	HANNANJ_1 through HANNANJ_30

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

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

Wed, Jul 6, 2022 at 9:47 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 102 Well No 2 (3).xls	HANNANJ	HANNANJ_31 through HANNANJ_60

[Quoted text hidden]

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

Wed, Jul 6, 2022 at 9:48 AM

HANNANJ uploaded a file successfully to DWELR.

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

[Quoted text hidden]

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

Wed, Jul 6, 2022 at 9:48 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 104 Well No 4 (3).xls	HANNANJ	HANNANJ_91 through HANNANJ_120

[Quoted text hidden]

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

Wed, Jul 6, 2022 at 9:49 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 105 Well No 5 (3).xls	HANNANJ	HANNANJ_121 through HANNANJ_150

[Quoted text hidden]

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

Wed, Jul 6, 2022 at 9:49 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 106 Well No 6 (4).xls	HANNANJ	HANNANJ_151 through HANNANJ_180

[Quoted text hidden]



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

Wed, Jul 6, 2022 at 9:55 AM

HANNANJ successfully added data to DWELR on 07/06/22 at 10:01 AM. Form: SDWA1.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_181	701	060722
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_182	703	060722
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_183	706	060722
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_184	704	061422
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_185	705	061422
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_186	701	062122
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_187	703	062122
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_188	706	062122
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_189	704	062822
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_190	705	062822

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

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

1 message

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

Mon, Jul 25, 2022 at 10:06 AM

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

Thank you for using the SRBC Monitoring Data Website.

SUEZ/Middletown Water System data has been received for the Reporting Period 04/01/2022 - 06/30/2022 for the following:

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

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

MIDDLETOWN MONTHLY REPORT

APPENDIX 3 CUSTOMER SERVICE

MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS

&

HOMESERVE REPORT

DATES: 6/02/2022 THRU 6/30/2022

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	2,708	226,511.07	768,213.59	994,724.66	NEW ACCOUNTS: 22
DISCONNECTED ACCTS:	15	836.46	1,264.37	2,100.83	DISCONNECT--NO TRF: 15
FINALED ACCOUNTS:	332	15,454.10		15,454.10	DISCONNECT--TRANSFER: 0
INACTIVE ACCOUNTS:	12,296	0.00		0.00	

GRAND TOTALS 15,351 242,801.63 769,477.96 1,012,279.59

CALCULATION SUMMARY TOTAL CHARGES: 769,477.96
 DEPOSIT RETURNS: 0.00
 TOTAL CURRENT: 769,477.96

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

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
S SEWER	2641	444,712.29	0.00	0.00	0.00	16504,100.0000		16504,100.0000
SR SURCHARGE	1	0.00	0.00	0.00	0.00			
SR2 SURCHARGE 2	2690	90,483.10	0.00	0.00	0.00			
W WATER	5336	234,282.57	0.00	0.00	0.00	20471,200.0000		20471,200.0000
TOTALS		769,477.96	0.00	0.00	0.00			

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

R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
SERVICES:		
200-WTR MDT	687-145900	81,263.21
203-WTR MDT COMMERCIAL	687-145900	90,369.76
206-CUSTOMER CHARGE	687-145900	10,881.36
207-SERVICE CHG / METER	687-145900	42,830.59
210-WTR ROYAL	687-145900	8,886.50
220-WTR L SWT	687-145900	51.15
230-SURCHARGE WATER/SEWER	687-145900	0.00
231-SURCHARGE WATER/SEWER	687-145900	90,483.10
300-SWR MDT	687-145800	321,781.78
306-SW CUST CHARGE	687-145800	56,693.61
310-SWR ROYAL	687-145800	22,632.84
320-SWR L SWT	687-145800	43,604.06

R/C TOTALS 769,477.96

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

CAT	CODE	TBL DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
S	300	LST SEWER -LWR SW TWP	LST	1	43,604.06	0.00	0.00	0.00		
S	300	RB SEWER -ROYALTON	RB	1	22,632.84	0.00	0.00	0.00		
S	300	SW SEWER	SW	2639	378,475.39	0.00	0.00	0.00	16,504,100.0000	817

===== 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	1	0.00	0.00	0.00	0.00		
SR2	231	SR2	SURCHARGE WATER/SEWE	SR2	2690	90,483.10	0.00	0.00	0.00		
W	200	C10	COMM 1" MTR	C10	35	4,885.54	0.00	0.00	0.00	449,700.0000	
W	200	C15	COMM 1 1/2" MTR	C15	10	6,219.42	0.00	0.00	0.00	650,600.0000	
W	200	C20	COMM 2" MTR	C20	21	20,482.84	0.00	0.00	0.00	2,170,700.0000	
W	200	C30	COMM 3" MTR	C30	5	7,678.71	0.00	0.00	0.00	818,800.0000	
W	200	C40	COMM 4" MTR	C40	2	275.30	0.00	0.00	0.00	22,500.0000	
W	200	C58	COMM 5/8" MTR	C58	10	611.78	0.00	0.00	0.00	44,900.0000	
W	200	C60	COMM 6" MTR	C60	13	50,669.39	0.00	0.00	0.00	5,445,100.0000	
W	200	C75	COMM 3/4" MTR	C75	2	214.62	0.00	0.00	0.00	18,900.0000	
W	200	C80	COMM 8" MTR	C80	4	2,055.64	0.00	0.00	0.00	201,600.0000	
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	51.15	0.00	0.00	0.00	100.0000	
W	200	NCW	NO CHG	NCW	27	0.00	0.00	0.00	0.00	66,300.0000	
W	200	R10	RESID 1" MTR	R10	7	269.26	0.00	0.00	0.00	13,000.0000	
W	200	R58	RESID - 5/8" MTR	R58	2555	128,374.94	0.00	0.00	0.00	8,441,500.0000	
W	200	R60	RESID 6" MTR	R60	1	3,111.47	0.00	0.00	0.00	333,400.0000	
W	200	R75	RESID 3/4" MTR	R75	4	365.76	0.00	0.00	0.00	30,900.0000	
W	200	RB6	ROYALTON BOR 6" MTR	RB6	2	8,886.50	0.00	0.00	0.00	1,763,200.0000	
W	210	ALV	FLAT RATE WATER -VAR	ALV	2	130.25	0.00	0.00	0.00		
W	220	MC	WATER METER CHARGE - MC	MC	2621	0.00	0.00	0.00	0.00		
TOTALS						769,477.96	0.00	0.00	0.00		

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

CODE	DESCRIPTION	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION	DEMAND CONSUMPTION
W	WATER	20,471,200.0000	0.000	20,471,200.0000	

===== 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

7/01/2022 10:42 AM
DATES: 6/02/2022 THRU 6/30/2022
TYPE: * - All

*** BILLED CONSUMPTION REPORT ***

PAGE: 365

*** SERVICE CATEGORY TOTALS ***

<u>SERV CATG</u>	<u>NUMBER BILLED</u>	<u>BILL CONS</u>	<u>TOTAL CONS</u>	<u>DEMAND CONS</u>	<u>TAX AMOUNT</u>	<u>BILL AMOUNT</u>
S	2,642	16,504,100	16,504,100		\$	444,712.29
SR	2,664	0	0			
SR2	2,691	0	0		\$	90,483.10
W	5,338	20,471,200	20,471,200		\$	234,282.57

ACTION		----- ISSUED THIS PERIOD -----				----- PRIOR ORDERS -----			TOTAL	TOTAL
		ISSUED	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	OUTSTANDING
C	CONNECT	3	3	0	0	137	4	0	140	0
D	DISCONNECT	1	1	0	0	45	4	0	46	0
F	CUTOFF	0	0	0	0	3	3	0	3	0
I	METER INFO	39	36	3	0	3,100	78	1	3,136	1
M	METER CHANGE	6	6	0	0	618	6	0	624	0
O	OCC CHANGE	14	14	0	0	1,294	3	0	1,308	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	3	3	0	0	780	23	0	783	0
** GRAND TOTALS **		66	63	3	0	6,012	123	1	6,075	1

7/01/2022 10:24 AM
ZONE: < All Zones >
SORT: ACCOUNT

MXU REPORT

PAGE: 70
GROUP: * - All Groups

METER NO#	ACCOUNT NO#	NAME	ADDRESS	MXU TYPE	MXU ID
W 81162309	INVENTORY				1440302592
W 81162314	INVENTORY				1483185258 Duplica
W 81162319	INVENTORY				1440255000
W 83282113	INVENTORY				1471327472
W 83282114	INVENTORY				1471353482
W 89769376	INVENTORY				1483441396
W 89769377	INVENTORY				1483441392
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 2730
*** TOTAL METERS IN INVENTORY 692

**** REPORT TOTALS ****

Book	Services	Addresses
02 - BOOK 02	2	1
04 - BOOK 04	2	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	4	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
<hr/>		
Grand Totals	32	15

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

==== REVENUE CODE TOTALS ====

REVENUE CODE:	--CURRENT--	+1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	--BALANCE--
081-NSF CK FEE	0.00	63.52	31.64	4.06	0.78	100.00
200-WTR MDT	81210.16	12991.13	6239.70	2413.35	6064.96	108919.30
201-WATER TURN ON	40.00	18.26	21.74	0.00	0.00	80.00
203-WTR MDT COMMERCIAL	90421.57	13105.98	7334.16	6252.63	25.41	117139.75
206-CUSTOMER CHARGE	10650.28	2019.10	928.40	401.03	2513.19	16512.00
207-SERVICE CHG / METER	41857.31	7957.66	3648.32	1594.73	9760.24	64818.26
210-WTR ROYAL	8886.50	0.00	0.00	0.00	0.00	8886.50
220-WTR L SWT	51.15	0.00	0.00	0.00	0.00	51.15
230-SURCHARGE WATER/SEWER	16.28	24.04	24.08	24.08	1771.28	1859.76
231-SURCHARGE WATER/SEWER	86773.78	4194.67	1990.05	626.17	1146.01	94730.68
275-WTR PEN	174.48CR	1642.27	838.23	379.03	725.12	3410.17
300-SWR MDT	315531.40	44463.00	28541.98	18320.20	12773.80	419630.38
306-SW CUST CHARGE	55450.08	10748.21	4960.06	2230.97	24941.18	98330.50
310-SWR ROYAL	22632.84	0.00	0.00	0.00	0.00	22632.84
320-SWR L SWT	43604.06	0.00	0.00	0.00	0.00	43604.06
375-SWR PEN	244.86CR	2799.95	1455.46	692.32	1784.71	6487.58
996-UNAPPLIED	11829.86CR	0.00	0.00	0.00	0.00	11829.86CR
999-REFUND	1327.96CR	0.00	0.00	0.00	0.00	1327.96CR
TOTALS	743548.25	100027.79	56013.82	32938.57	61506.68	994035.11

TOTAL REVENUE CODES: 994,035.11
 TOTAL ACCOUNT BALANCE: 994,035.11
 DIFFERENCE: 0.00

07-18-2022 08:09 AM
PERIOD: 6/02/2022 THRU 6/30/2022
ZONE: * - All Zones
REVENUE CODE: All
ADJUSTMENT CODES:

MONTHLY TRANSACTION REPORT

PAGE: 26

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

TYPE	DAY	COUNT	AMOUNT
ADJUSTMENT	02	4	5,531.23
	03	6	164.69CR
	07	1	11.04CR
	08	1	6.45CR
	09	7	1,563.08CR
	10	2	95.00
	16	20	2,959.60CR
	21	4	872.21
	23	18	120.93
	24	2	24.94CR
	27	10	5,419.56
	28	137	16.78CR
	29	7	282.96CR
	30	1	44.41CR
ADJUSTMENT TOTAL			6,964.98
BILL	03	1	35.95
	07	1	30.85
	08	3	9.69
	15	2	47.61CR
	16	2	110.25
	17	1	37.25
	21	1	41.25
	22	1	132.86
	23	4	460.54
	24	1	56.05
	27	12	28.43CR
	28	2,710	768,672.32
	30	2	33.01CR
BILL TOTAL			769,477.96
APPLIED DEPOSIT	08	1	0.00
APPLIED TOTAL			0.00
LATE CHARGE	28	404	6,516.75
LATE TOTAL			6,516.75
MEMO	17	68	0.00
	20	14	0.00
	21	54	0.00
	22	25	0.00
	23	15	0.00
	24	2	0.00
	27	1	0.00

Difference - adj total + Billed - Other Revenue
\$13,481.73

07-20-2022 01:00 PM
PERIOD: 6/01/2022 THRU 6/30/2022
ZONE: * - All Zones
REVENUE CODE: All
ADJUSTMENT CODES:

MONTHLY TRANSACTION REPORT

PAGE: 27

===== D A I L Y D I S T R I B U T I O N =====			
TYPE	DAY	COUNT	AMOUNT
	24	2	0.00
	27	1	0.00
	28	1	0.00
	MEMO TOTAL		0.00
PAYMENT	01	72	11,206.00CR
	02	60	16,279.58CR
	03	110	16,226.31CR
	06	81	13,381.47CR
	07	261	55,536.66CR
	08	146	24,420.88CR
	09	159	28,782.75CR
	10	124	30,457.58CR
	13	270	73,222.34CR
	14	96	144,885.45CR
	15	136	29,504.39CR
	16	124	58,167.06CR
	17	85	24,957.52CR
	20	16	2,830.93CR
	21	73	18,458.36CR
	22	31	8,227.94CR
	23	25	4,754.06CR
	24	40	6,632.19CR
	27	31	11,186.05CR
	28	33	5,704.04CR
	29	44	9,541.46CR
	30	23	3,964.79CR
	PAYMENT TOTAL		598,327.81CR
DRAFT	15	333	47,882.06CR
	17	27	22,266.95CR
	DRAFT TOTAL		70,149.01CR
REVERSE-PAY	03	1	1,678.68
	08	1	320.00
	REVERSE PAY TOTAL		1,998.68
	GRAND TOTAL FOR PERIOD		213,595.64CR

Total Collected = \$668,4

→ Total Collected = \$668,476.82

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	1/20/2022	247	2/15/2022	81	NO SHUT OFF DUE TO WEATHER
February Bill Cycle	3/16/2022	2/17/2022	224	3/11/2022	53	4 Shut offs (3 Occupied, 1 Vacant) 3 Properties turned back on
March Bill Cycle	4/18/2022	3/21/2022	193	4/7/2022	57	NO SHUT OFFS
April Bill Cycle	5/16/2022	4/22/2022	228	5/9/2022	54	3 SHUT OFFS (3 OCCUPIED) 3 PROPERTIES TURNED BACK ON
May Bill Cycle	6/15/2022	5/19/2022	232	6/6/2022	78	2 SHUT OFFS (2 VACANT)
June Bill Cycle						
July Bill Cycle						
August Bill Cycle						
September Bill Cycle						
October Bill Cycle						
November Bill Cycle						
December Bill Cycle						

JUNE 2022 CUSTOMER SERVICE CALLS																							
VEOLIA MIDDLETOWN																							
Date	How Contact Was Received			Customer Service Inquiries														Field Service Requests				Field Request Info	
	Call direct to Middletown CS	Customer Correspondence (Letters/Emails)	TOTALS	Calls for Other Ops	Calls from City / Other Org	AppleTree Hold Call	General Acct. Info	Copy Of Bill	Correct. Bills	Bill Inquiry	Rates	Payment	Collection Letter	New Account	Finals	Meter Reading/Re-Reads	Service Complaints	C.S. Thank You's	Sewer Back up or SSO	Water Leaks	Broke, Froze, Leaking Meter	No Water/Low Pressure	Water Quality
Wednesday, June 1, 2022	59	3	62	3						10		30	12	2	2								
Thursday, June 2, 2022	46	2	48	1			1			5		31	6	1	1								
Friday, June 3, 2022	42	3	45	3						10		22	7										
Monday, June 6, 2022	52	1	53	1			1			8		28	12	1	1								
Tuesday, June 7, 2022	51	2	53	2				1		10	1	31	6										
Wednesday, June 8, 2022	62	4	66	3						7		37	15										
Thursday, June 9, 2022	43	4	47	3			2			10		26			2								
Friday, June 10, 2022	64	1	65	2						10		48		2	2								
Monday, June 13, 2022	46	2	48	2			2	1		5		35											1
Tuesday, June 14, 2022	44	2	46	2						4		33	2		3								
Wednesday, June 15, 2022	68	1	69	3			1			3		59			2								
Thursday, June 16, 2022	42	1	43	2			3			2		35											
Friday, June 17, 2022	50	2	52	3				1		3		38		2	3								
Monday, June 20, 2022	29	1	30	3						6		16	2		2								
Tuesday, June 21, 2022	17	2	19	2			1			5		9											
Wednesday, June 22, 2022	25	6	31	3						7		11	2		2								
Thursday, June 23, 2022	21	1	22	1						8		7	3		2								
Friday, June 24, 2022	36	2	38	2			2			6		26											
Monday, June 27, 2022	30	2	32	2						8		14	3	1	2								
Tuesday, June 28, 2022	18	5	23	1						6		5	6										
Wednesday, June 29, 2022	33	3	36	2						5		18	5		3								
Thursday, June 30, 2022	22	5	27	2						4		10	3	1						2			
GRAND TOTALS	900	65	965	48	0	0	13	3	0	142	1	569	84	10	27	0	0	0	0	2	0	0	1

Partner Reporting Dashboard

[Back to Partner Select Page](#)

SUEZ (Middletown)

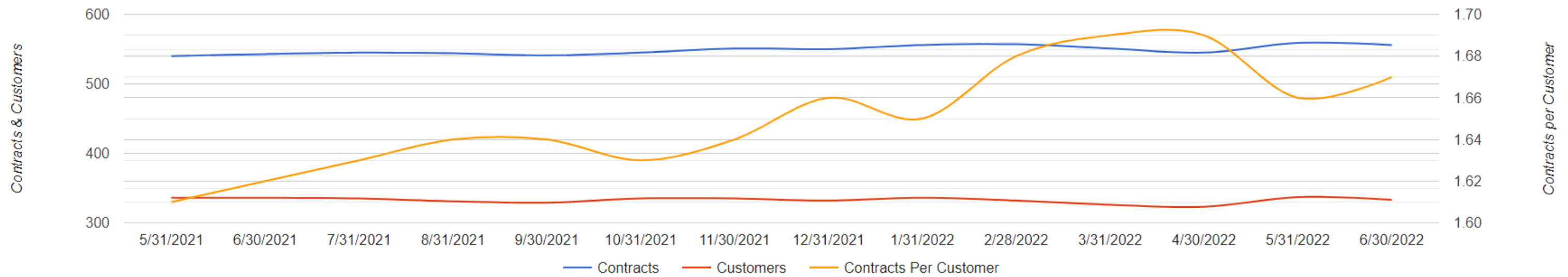
Date Start

Date End

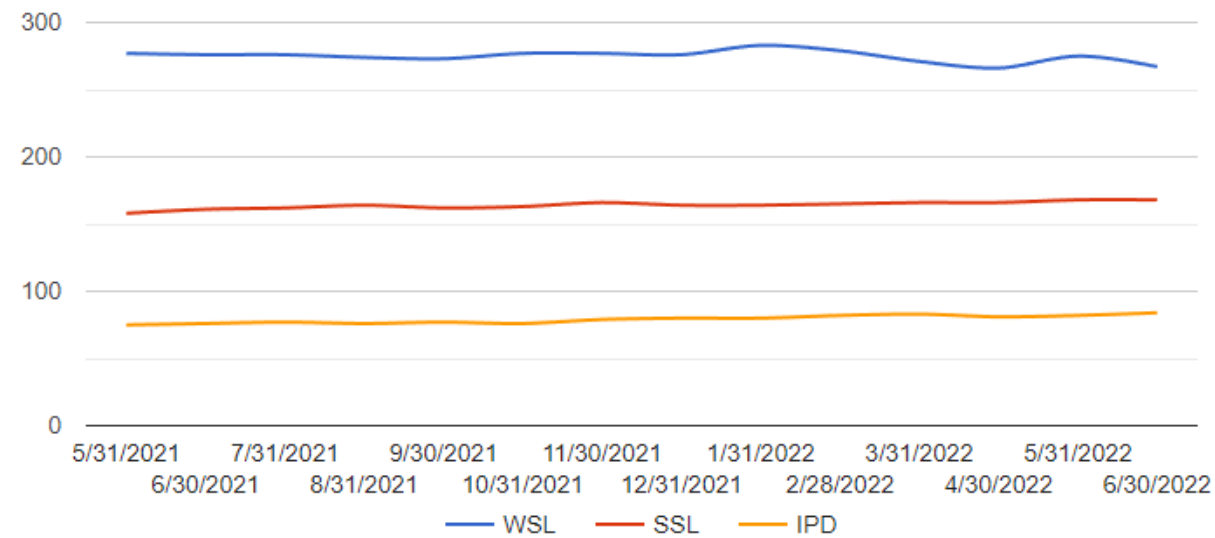


Filter

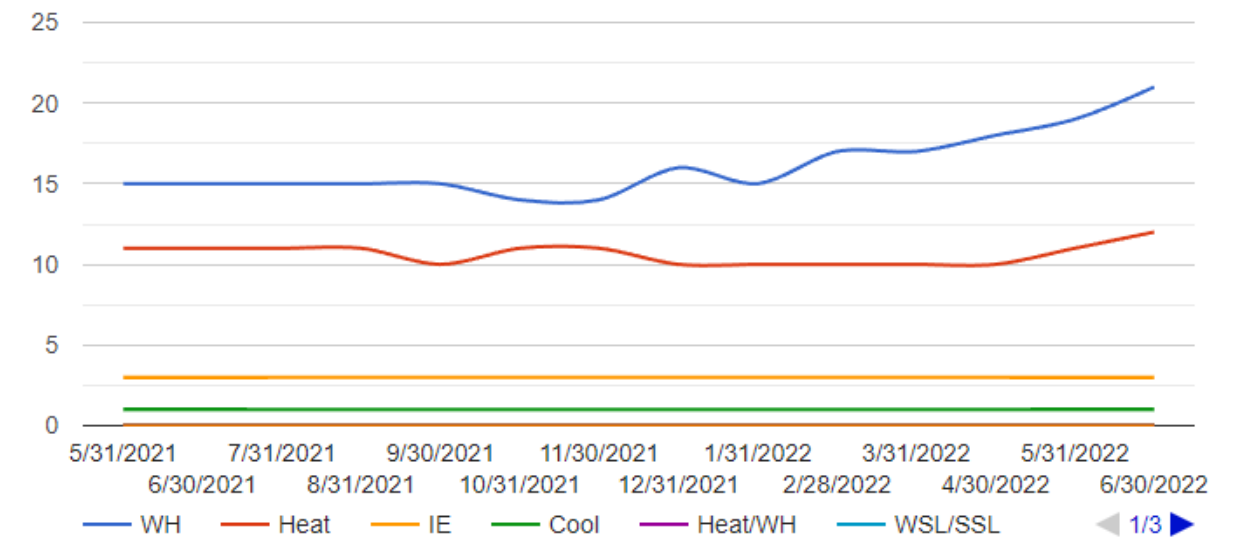
Contracts and Customers



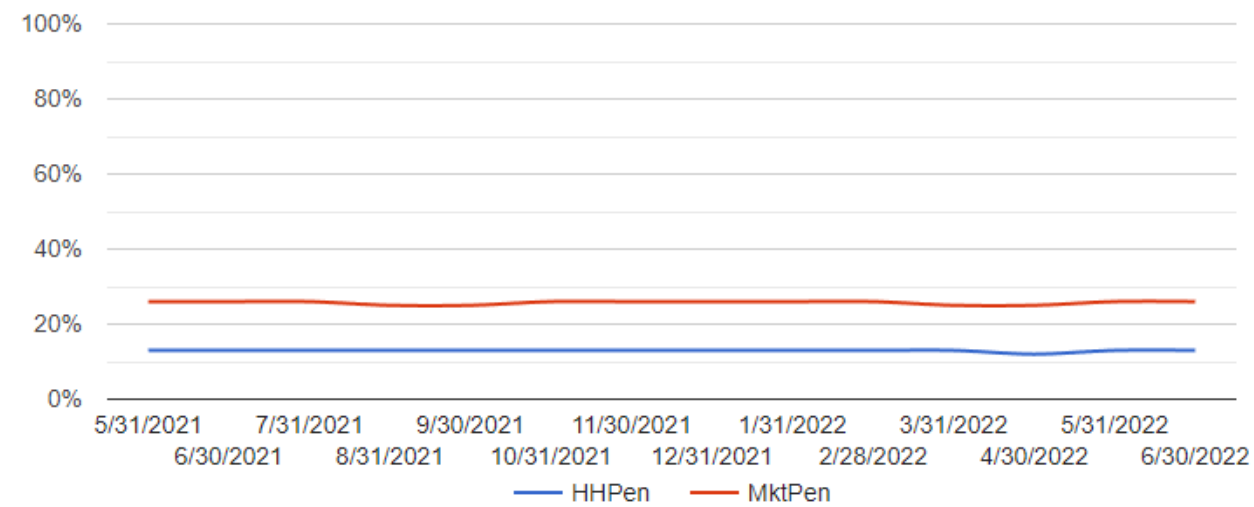
Leading Contracts by Type (Top 3)



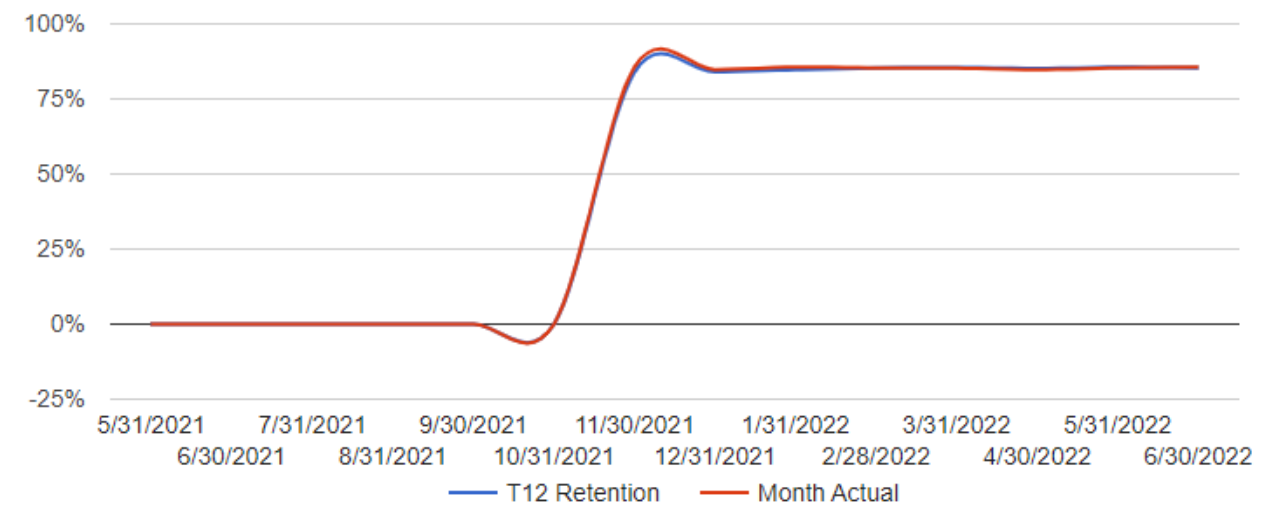
Leading Contracts by Type Other



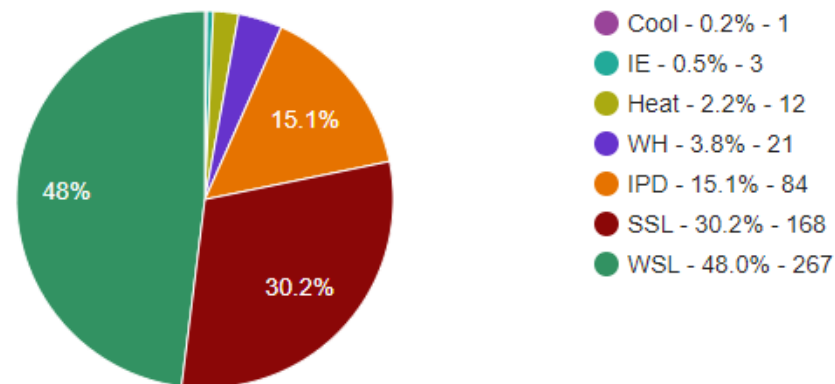
Household Penetration



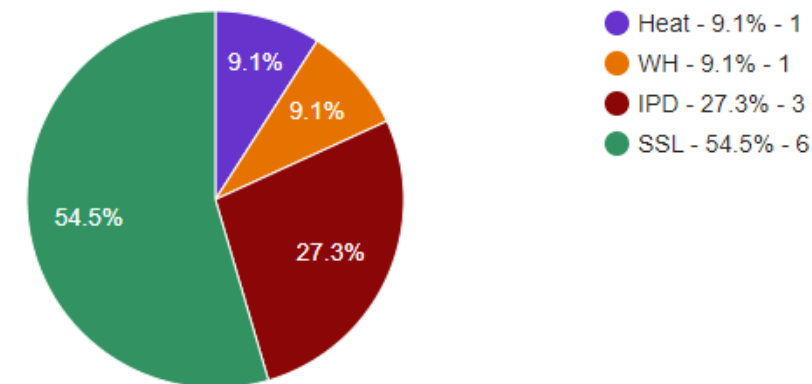
Retention



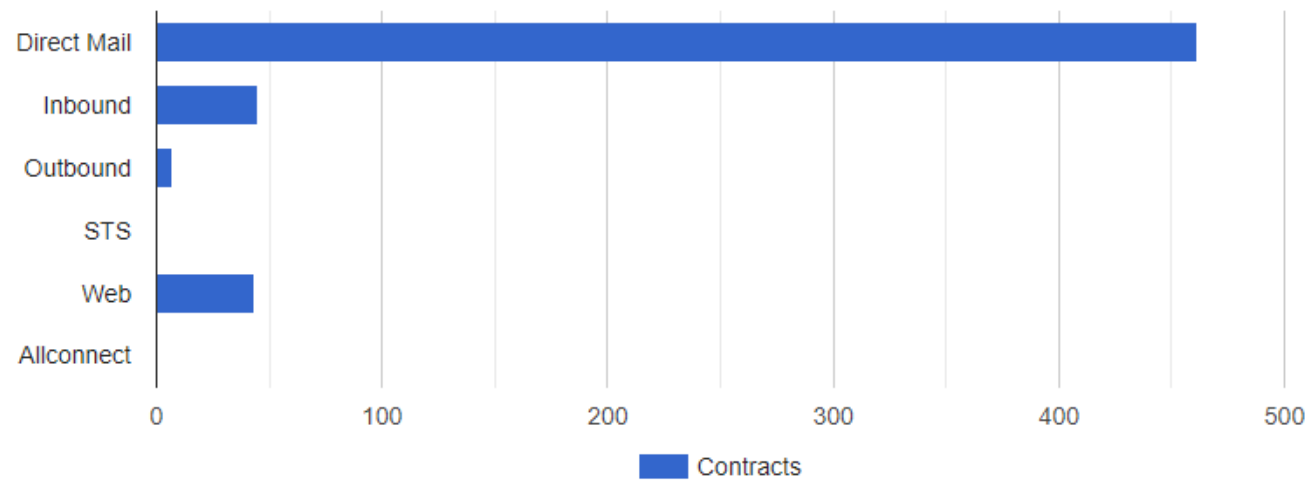
Contracts by Product Type



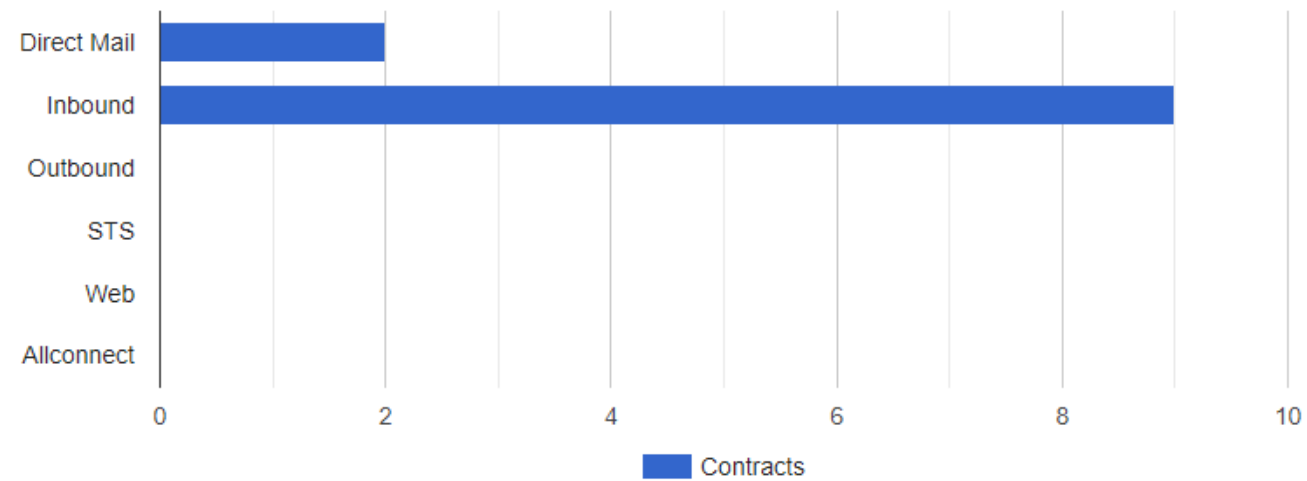
Contracts by Type - Last 30 Days



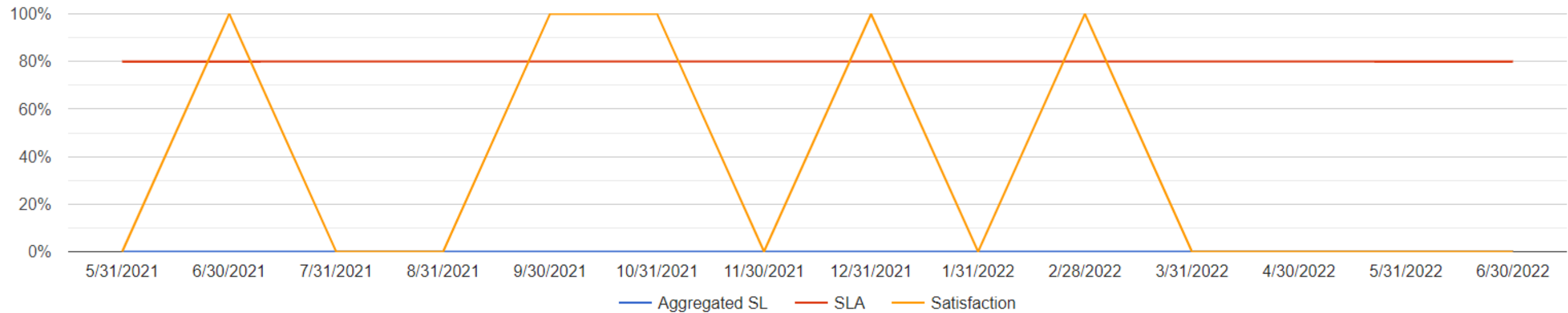
Contracts by Channel



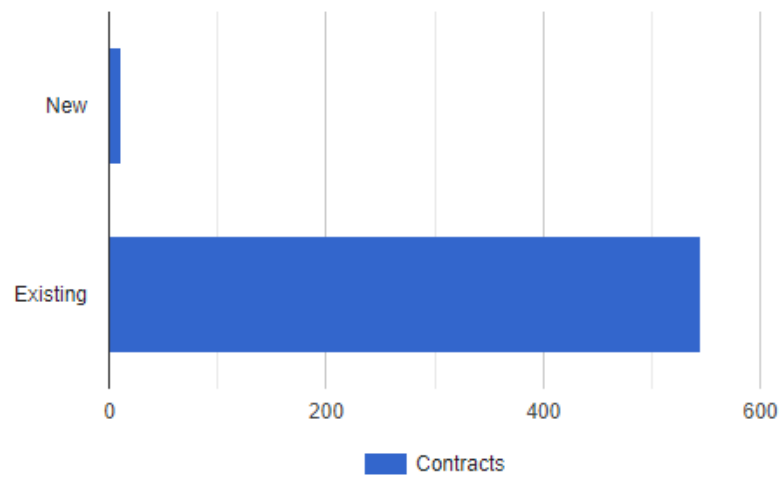
Contracts by Channel - Last 30 Days



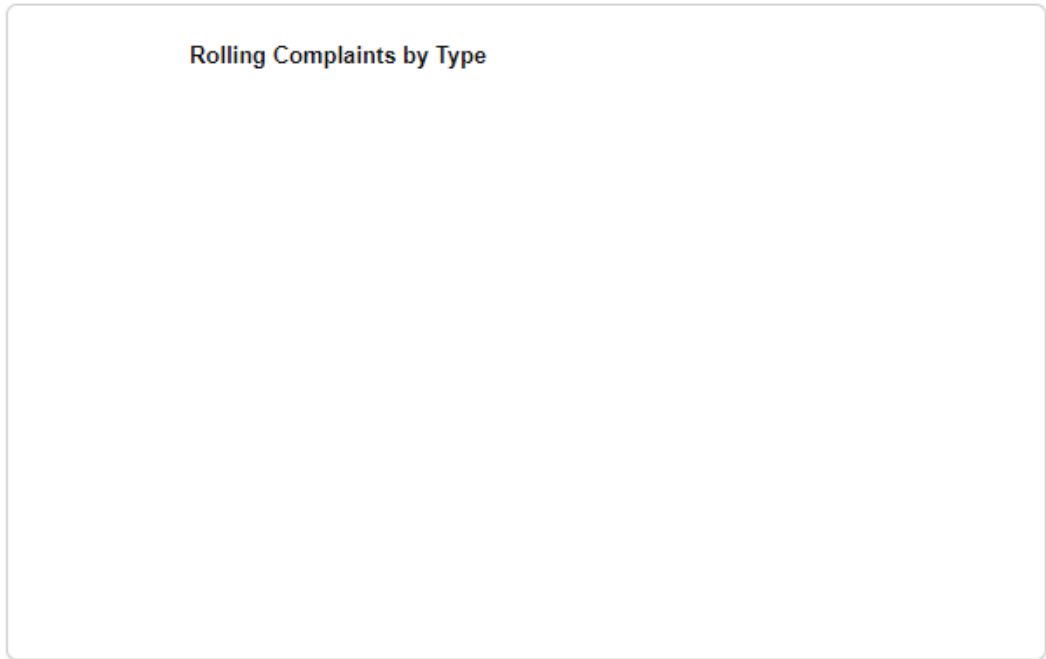
Service Levels And Satisfaction



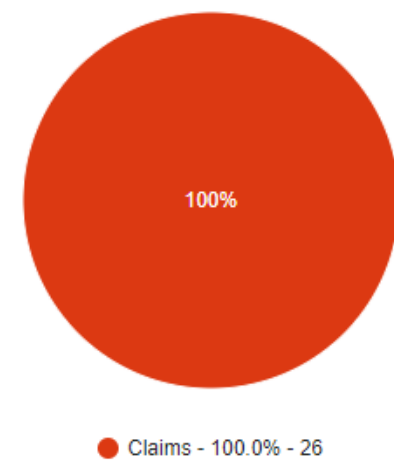
New v. Existing



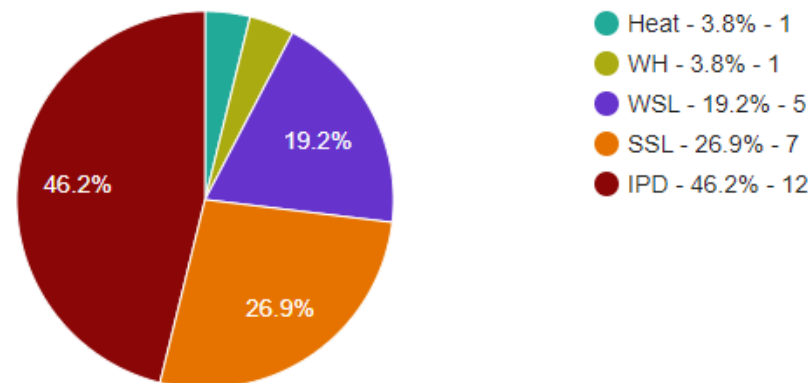
Rolling Complaints by Type



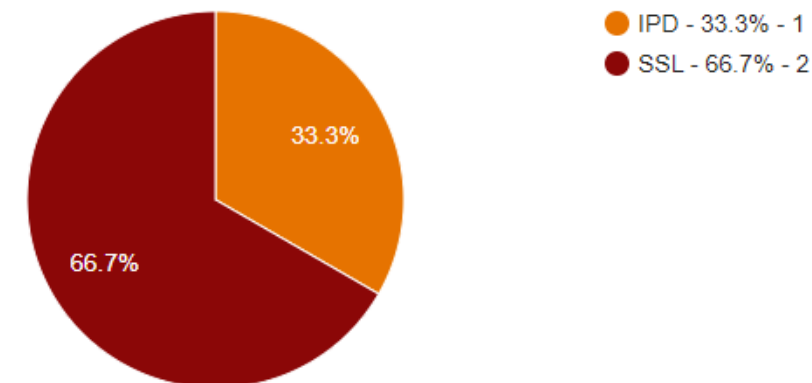
Complaints vs Claims



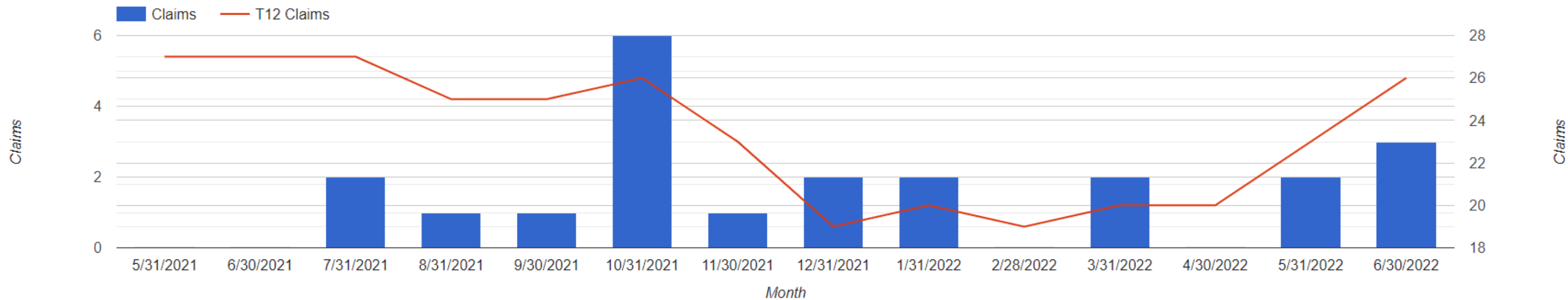
T12 Month Claims by Type



T1 Month Claims by Type



Claims History



MIDDLETOWN MONTHLY REPORT

APPENDIX 4

WATER MAIN LEAK LOGS

WORK ORDER #: _____

Line Break or Leak Work Order

Date of Break: 6-3-22

Location Segment number: _____

Pipe Material: GALVANIZE

Pipe Size: 2"

Pipe Age: _____

Pipe Depth: 42"

Estimated Quantity of water loss: _____

DESCRIPTION OF PROBLEM: Water main leak

WORK PERFORMED: Dug up Street Found leak Repaired with
2 - 12 1/2" 2" Full Circle Band Line In Veen Band
Shape. There were two separate leak on Main, Back
filled with 2A Stone cold Patch

Needs Block Top

Main is 14' off House

Date	Day of Week (Circle)	Employee 1	Daily Hours	Employee 2	Daily Hours	Employee 3	Daily Hours
6-3-22	M Tu W Th <u>F</u>	CH	7 1/2	RL	7 1/2	CK	5
6-3-22	M Tu W Th <u>F</u>	66	1	GL	1/2		
	M Tu W Th F						
	M Tu W Th F						
	M Tu W Th F						
	M Tu W Th F						
	M Tu W Th F						

Vendor	Scheduled On-Site Start	Scope of Work	Invoiced?

Part Description	Part #	Qty.	Inventory (I) or Purchased (P)
12 1/2" x 2" Full Circle Bands		2	I
2A STONE			
Cold Patch			

No. _____

Borough of Middletown Street Opening Permit

Contractor's Name: VEOLIA Application Date: 6-3-22

Phone Number: 717-948-3055 Date of Opening: 6-3-22

Date of Completion: 6-3-22 Emergency: ☒ Yes ☐ No

STREET OPENING PERMIT issued to: VEOLIA 453 S. LAWRENCE ST MIDDLETOWN PA 17057
NAME ADDRESS

for permission to excavate Borough streets abutting 43 PETERS AVE in order to
STREET ADDRESS

make the following connection(s): WATER MAIN BREAK

Length 9' 6" ft Width 6' ft Depth 4 1/2' ft Total Square Feet _____

Distance from nearest Intersection 54 ft N/S/E/W Nearest Street Intersection N PINE ST

Provide Condition of Street GOOD Existing Paving Type MACADAM

Type of Material Disturbed: ☒ Macadam; ☐ Concrete; ☒ Gravel; ☒ Soil

Pavement less than five (5) years old ☐ Yes ☐ No Existing paving depth 5 in

Provide GPS coordinates for the shape of the proposed road cut on the following page. Photographs of completed work shall be provided to Middletown in JPEG format.

This permit is issued with the understanding that the provisions of Ordinance 1358 regulating openings and excavations in or under Borough Highways passed March 5, 2019 will be adhered to.

In consideration of the issuance of the permit applied for above, the undersigned, intending to be legally bound, agrees as follows:

1. To do all work authorized by the permit in accordance with all applicable ordinances, laws, rules, regulations, and orders, and to complete the work on or before the date set forth above, and to guarantee the work for a period of two (2) years from completion; to immediately repair same should the work become unsatisfactory within such two (2) year period
2. To well and truly save, defend and keep harmless, Middletown, its elected officials, other officers and employees from and indemnify it against any and all actions, suits, demands, payments, costs and charges (including reasonable attorneys and expert fees) for damages or injury occurring to any person or property through or in consequence of any act or omission of the undersigned, or the undersigned's, agent, servant, contractor, engaged in, about or upon said work by or at the instance of the undersigned from the failure of same to comply with the maintenance requirements of Middletown Streets and Sidewalks Ordinance.

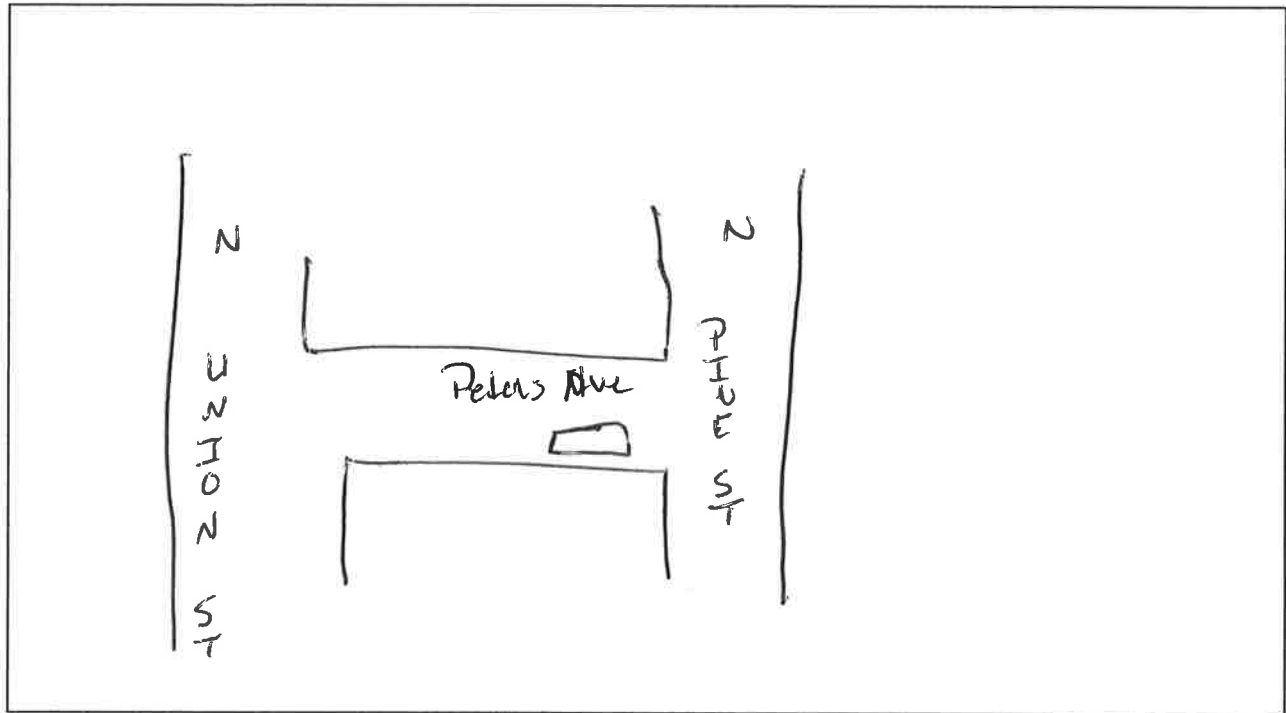
Date: _____ Permittee: _____

=====

Date Application Approved by the Borough of Middletown _____

By: _____ Title: _____

Provide GPS coordinates for beginning point, point(s) of deflection, and end point



FOR BOROUGH USE ONLY
STREET OPENING INSPECTION REPORT

Inspection Report Information: _____

☐ Routine Visit ☐ Called by Contractor

Follow-up Action Report: _____

Comments: _____

Additional Charges (provide details): _____

Date and Time Opened: _____

Date and Time Closed: _____

Date of Inspection: _____

Time: _____

9/27/2017

SUEZ
WATER LEAK REPAIR LOG

WO NUMBER: _____

Type of Leak: _____ Service Line ☒ Main _____ Other

Population Affected: _____

Address of leak: 43 PETERS Ave

Date and time department notified of leak: 6 / 3 / 22 0629 (am) / pm

Date / Time of arrival on scene: 6 / 3 / 22 0710 (am) / pm

Time pipe leak is exposed: 0930 (am) / pm

Time repair started: 0955 (am) / pm

Time repair finished: 1135 (am) / pm

Method used for repair: 2 - 12 1/2" x 2" Full circle Clamps

Was there a loss of pressure or was line dewatered? _____ Yes ☒ No

Was this loss of pressure caused by a situation other than a main break? (Power outage, pump failure, etc.) _____ Yes ☒ No

(If yes to both above questions, notify DEP at 717-705-4751 or 1-877-333-1904 within one (1) hour and issue a BWA as soon as possible, but no later than 24 hours. The line should be flushed, disinfected with 300 mg/l free chlorine for 15 minutes, flushed, and a bacteriological sample taken.)

Was there a loss of pressure due to a main break or repair that has a high risk of contamination or shows evidence of contamination? _____ Yes ☒ No

(If yes, notify DEP at 717-705-4751 or 1-877-333-1904 within one (1) hour and issue a BWA as soon as possible, but no later than 24 hours. The line should be flushed, disinfected with 300 mg/l free chlorine for 15 minutes, flushed, and a bacteriological sample taken.)

(If no, repairs must be made according to DEP C-651-05 Standards. If leak cannot be repaired by these standards and within 8 hours, notify DEP within (1) hour and issue Tier 1 PN within (24) hours)

Bacteriological Sampling

Location _____ Time _____ am / pm

Laboratory _____ Time of submission _____ am / pm

Chlorine Residual: _____ mg/l

Coliform: negative _____ Positive _____ (If result is coliform positive, then repeat sampling and attach new log)

Date of results: _____ / _____ / _____

Date and time disinfectant residuals were detected: _____ / _____ / _____ am / pm

Name _____ Date _____

• • • •

Pipe diameter in feet = pipe diameter in inches = $\frac{\quad}{12}$ = $\frac{\quad}{12}$ diameter, feet

$$\text{Million Gallons} = \frac{0.785 \times \text{pipe diam.in ft.} \times \text{pipe dia. in ft.} \times \text{pipe length in ft} \times 7.48}{1,000,000}$$

= _____ Million Gallons

Lbs of HTH = 300 mg/l dosage X Million Gallons X 8.34 = _____ lbs of HTH



Hannan, James <james.hannan@veolia.com>

Ticket Confirm POCS 06/03/22 07:22:19 20221540262-000 New Excavation Emergency

POCS Ticket Confirmation <Delivery@pa1call.net>

3 June 2022 at 07:22

Reply-To: HelpDesk <helpdesk@pa1call.org>

To: JAMES.HANNAN@veolia.com

TKTCFM 00000 POCS 06/03/22 07:22:19 20221540262-000 NEW XCAV EMER

=====PENNSYLVANIA UNDERGROUND UTILITY LINE PROTECTION REQUEST=====

Serial Number--[20221540262]-[000] Channel#--[0716A999][0318][2019-08]

Message Type--[NEW][EXCAVATION][EMERGENCY]

County--[DAUPHIN] Municipality--[MIDDLETOWN BORO]

Work Site--[PETERS AVE]

Nearest Intersection--[N PINE ST]

Second Intersection--[N UNION ST]

At Intersection--[N] Between Intersections--[Y] Site Marked in White--[Y]

Subdivision--[]

Location Information--

[WORKING TO THE LEFT SIDE OF ADDRESS 537 N PINE ST]

Caller Lat/Lon--[]

Mapped Type--[P] Mapped Lat/Lon--

[40.202096/-76.730830,40.201959/-76.731262,40.201920/-76.731226,

40.202060/-76.730805]

Attachments--[<http://www.pa811.org/attachments/20221540262>]

Type of Work--[REPAIR WTR MAIN BREAK] Depth--[5FT]

Extent of Excavation--[3FT X 6FT] Method of Excavation--[DIGGING]

Equip Type--[BACKHOE]

Street--[X] Sidewalk--[] Pub Prop--[] Pvt Prop--[] Other--[]

Private Front--[] Rear--[] Left--[] Right--[]

Lawful Start Dates--[] thru [] Response Due Date--[03-Jun-22]

Scheduled Excavation Date--[03-Jun-22] Dig Time--[0900] Duration--[5 HOURS]

Caller--[CHRIS HANNAN]

Caller Phone--[717-948-3055]

Excavator--[VEOLIA WATER]

Address--[453 S LAWRENCE ST]

City--[MIDDLETOWN]

State--[PA] Zip--[17057]

FAX--[]

Caller Type--[B]

Email--[james.hannan@veolia.com]

Work For--[VEOLIA WATER]

Onsite Contact--[CHRIS HANNAN]

Onsite Contact Phone--[717-471-1406]

Best Time to Call--[ANYTIME]

Onsite Contact Email--[james.hannan@veolia.com]

Prepared--[03-Jun-22] at [0722] by [KAREN TURNELL]

Remarks--

[CREW ON SITE.]

HC 0 HC =VERIZON PA HRBG MDL0 MDL=MIDDLETOWN B ME 0 ME =MET ED

SB 0 SB =COMCAST CABLE UI 0 UI =UGI HARRISBURG UWM0 UWM=VEOLIA W MDLTWN

Serial Number--[20221540262]-[000]

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APPENDIX 5

**QUARTERLY METER TEST AND CALIBRATION
REPORTS**