

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



September 30, 2022

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

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

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

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

RE: Transmittal of Veolia Middletown Operations Report August 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 script.

Kodi Webb
Project Manager
Veolia Middletown

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

AUGUST 2022



EXECUTIVE SUMMARY

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

During this reporting period, Veolia Middletown met all operational obligations. Veolia worked closely with the Borough of Middletown to provide the citizens of Middletown a consistent, high quality water and wastewater service, which meets all Federal, State and local regulatory requirements.

The following Summary highlights the achievements and challenges of the project during this reporting period.

Operations and Maintenance

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

Significant operational and maintenance accomplishments for the reporting period include:

- Continue weekly monitoring of the petroleum substance entering the outfall pipe after the WWTP effluent. Short-term mitigation efforts are minimizing the discharge until a long-term plan is approved.
- Continue use of the HachWIMS application for process and regulatory data management and to optimize meeting reporting requirements.
- As COVID-19 Pandemic continues in the U.S., local operations have implemented Business Continuity Plans at the direction of Veolia-NA with guidance from the CDC and WHO.
- Continue observation of the SmartCover® Sewer Monitoring System at manholes MH-286 at Mill St, MH-290 at Hoffer Park, MH-332 at E. Main St, and MH-475A on E. Water St.
- Work with HRG, Tri-Star, and Kohl Bros. on modifications and upgrades to the groundwater elevation monitoring equipment.
- Continue with Well # 4 Pump Replacement, and integration of new chemical feed system.
- Installation of Safety Upgrades for Water and Wastewater systems.
- Continued sampling for triennial lead and copper requirement.
- Continued rebranding from SUEZ to Veolia.
- Repaired water service at 160 W Emaus Street.
- Repaired valve at Adelia and Main St intersection.

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Regulatory Compliance

NOV was issued on March 1st for Well # 4 Fluoride system deficiencies. A brief summary and status update regarding the NOV, our efforts to date, and action plan to resolve the issue follows:

- NOV was issued by DEP on 3/1/21
 - Verbal consult with the Department (30 Day)- Due by 3/31/21 - **Completed**
 - Respond in writing (45 Day)- Due by 4/15/21 - **Submitted**
 - Complete corrective actions (120 Day)- Due by 6/29/21 - **Extended by DEP**
 - PA DEP did not provide an updated deadline, but wants to see continued progress with the project.
- Required upgrades to fluoride feed systems at all wells which will require a separate permit amendment filed with PA DEP for each. – Well #4 **Permit Approved 6/25/21**
 - Only Well #4 will be held to the 120 day timeline since permits are required for each well
 - VEOLIA will not delay working with HRG and DEP to get all locations permitted and completed in a timely manner.
- Equipment for upgrade
 - HRG to identify best pumps and equipment for this application.
 - Well pump #4, replacement in progress
 - Once replacement pump is selected a permit application will be filed with PA DEP by HRG.
 - After permit approval, new chemical feed system will be installed and integrated.
- Veolia working with HRG on permit amendments,
 - Well 4 Permit Application –**Approval Received on 6/25/21**
 - Well 4 replacement pump application submitted 4/22/22.
 - Chemical feed parts ordered in July 2021, and received August 19 2021
 - **Permit Applications for wells 1, 2, and 3 submitted 8/24/21.**
 - Permits approved 10/26/21.
 - Parts procured.
 - Quotes are being gathered.
 - Permit Applications for wells 5 and 6 submitted 1/7/22

Environment, Health and Safety

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

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Customer Service

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

- Though the Customer Service counter remains closed to customers, customer service, and payments remain open via payment drop box, telephone, email and US Mail.
- Continued to track and update reports to meet the needs for data analysis, revenue forecasting, and reporting requirements.
- The meter reading cycle for water consumption in August was successfully completed on August 26th, 2022. Restarted the Delinquent Notification and Shut-Off Program which was previously suspended due to COVID-19
 - Sent 219, 10 day shut-off notices to accounts that were \$50 past due for the July 2022 billing period
 - Posted 52 properties with 3 day shut-off notices
 - Four vacant and one occupied Properties were 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.

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MONTHLY OPERATIONS REPORT

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

Wastewater Treatment Plant DMR

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

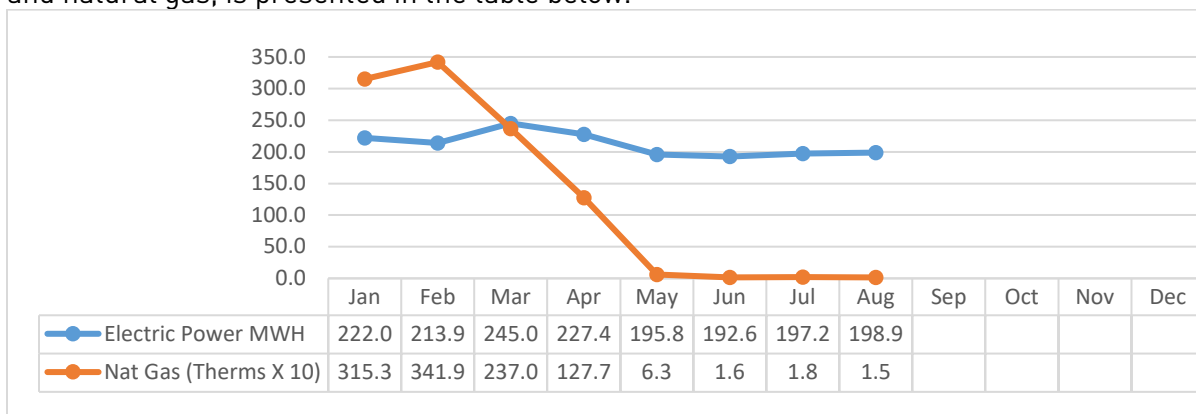
Quality Control Reporting

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

Energy Management and Sustainability

Energy Use

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



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

Energy Efficiency Initiatives

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

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Sustainability

Objectives for sustainability will be developed in the coming months.

Water System and Wastewater Treatment Plant Maintenance

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

System	Equipment	Process Location	Date Off Line	Reason for Taking Off Line	Date Returned to Service
Water	Well Pump	Well 4	2/26/21	Pump Failure	In Progress
Water	Fluoride Pump	Well 4	2/26/21	Pump upgrades and SCADA integration	Pending Upgrade
Water	Well Pump	Well 3	9/14/21	Pump Failure	In Progress
WWTP	Raw 3	Raw	5/3/22	Seal Failure	8/9/22

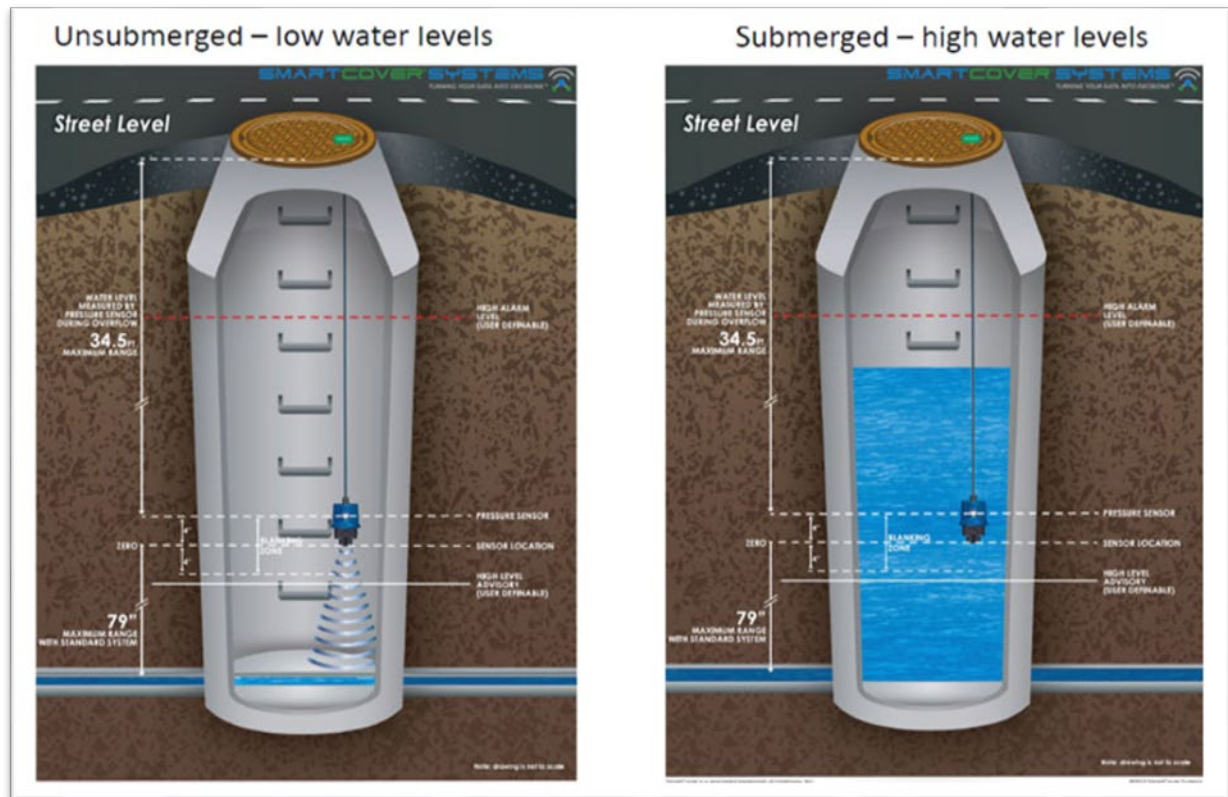
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Sanitary Sewer System

SmartCover® Sewer Monitoring System



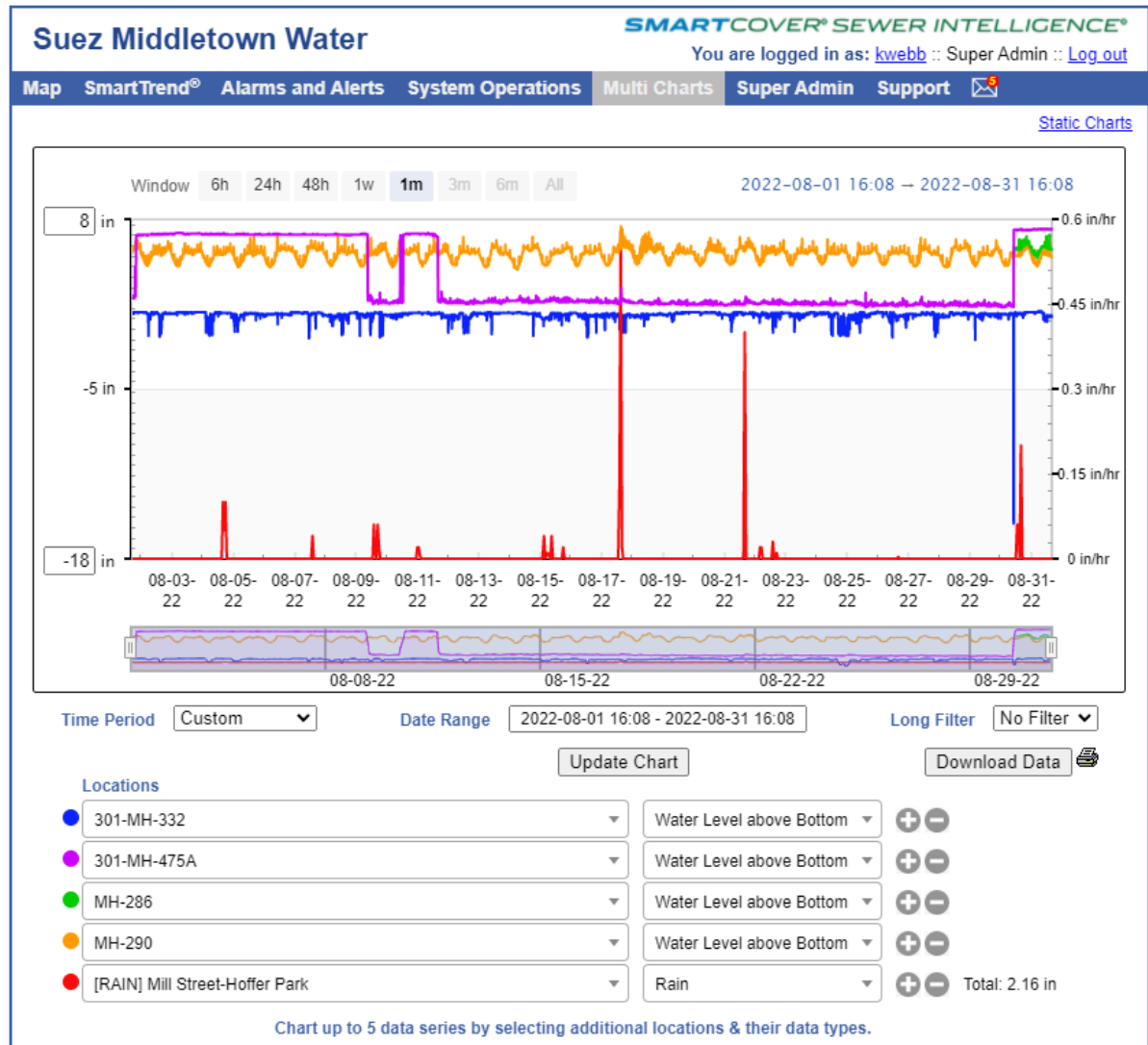
Ultrasonic level sensor (on the left) and pressure transducer (on the right). The covers use level sensing technology to analyze sewer elevations throughout the monitored area. This technology is used to monitor and reduce sanitary sewer overflows (SSO's) at problematic locations. The SmartCovers installed in Middletown are located at the interceptor on Mill St. and the entrance to Hoffer Park and were installed to better monitor and reduce surcharges and prevent SSOs in the interceptor. In an effort to expand the monitoring areas within the system, two additional SmartCovers were installed in July 2021 at MH- 332 (East Main St) and MH 475A (East Water St).

The SmartCover sensors were installed, in conjunction with a thorough cleaning of the interceptor, as part of the PA DEP Corrective Action Plan (CAP). Upon cleaning of the interceptor and installation of the sensors, we are now able to monitor surcharge conditions in "real-time". This data was also included in the 2021 Annual Chapter 94 Report/CAP Update which was submitted to PA DEP in early 2021.

Maintenance was performed on the SmartCovers at MH- 290 and MH- 286.

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Key Performance Indicators

Project Status Snapshot

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

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KPI	Hydrants Inspected	Main Valves Exercised	Ft Wastewater Mains Cleaned	Ft Water System Leak Detection
Last	0	7	0	0
Current	0	98	0	0
YTD	159	110	11170	0

On Target – Good Work	Caution	Significantly Behind Goal
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KPI Comments

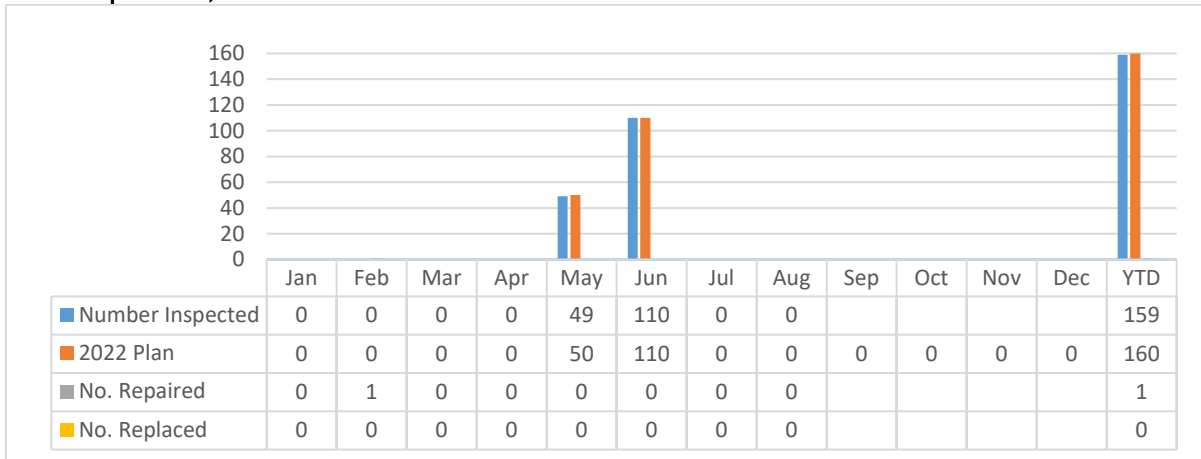
- Water Loss: Identifying and reducing the system water loss has been a key focus for Veolia. In an effort to identify and resolve the sources of water loss,
- continue to (1) verify the accuracy of the billing system reports, (2) verify the production meter accuracy at each well site based on review of the quarterly calibration records, (3) test a representative sampling of meters/MIU's to ensure the integrity of the data being downloaded to the billing system and verify the accuracy of residential meters. We continue to identify and, when found, repair water leaks throughout the system. In addition, following AWWA guidelines and standards, VEOLIA has identified and is in the process of testing and replacing 10% of the systems small meters, starting with the oldest meters.
- Water Main Valves Exercised: A comprehensive condition assessment program was part of the development of the asset management program. The program includes valve identification and location, condition assessment, exercising, determining the number and direction of turns, etc. Identifiers are being created using GIS data that was collected during the first phase of the project. Valves that have been identified in need of repair or replacement will be scheduled for repair or replacement over time based on operational priority of the valve.
- Hydrants inspected and maintained: The hydrant inspection and preventative maintenance program will be completed in conjunction with the annual water main and hydrant flushing program.
- Sanitary Mains Cleaned/CCTV Inspected: The 2021 CCTV requirement was completed in January 2022. Sanitary main cleaning and CCTV inspections will continue to meet the 2022 requirement.

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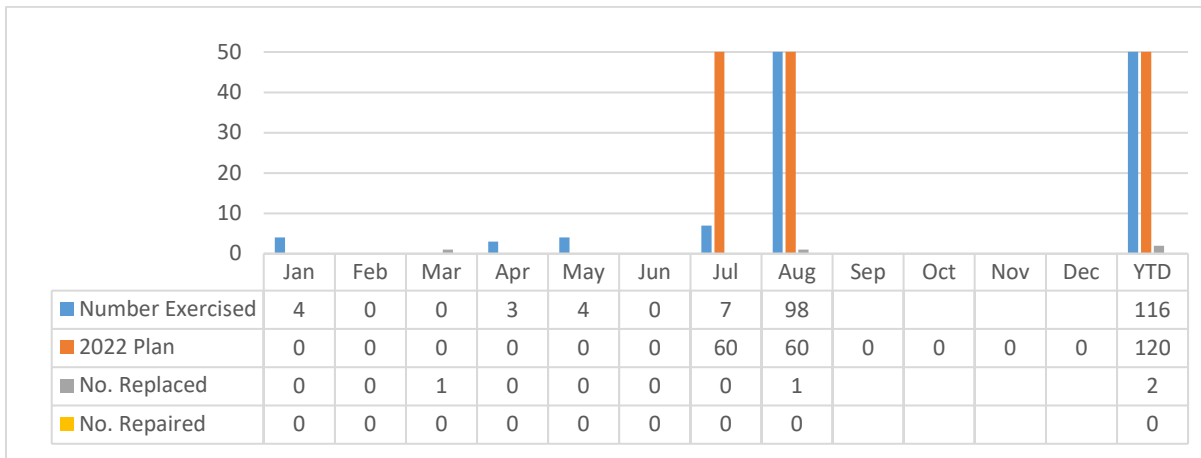
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Hydrants Inspected, Tested and Flushed



Water Main Valves Exercised

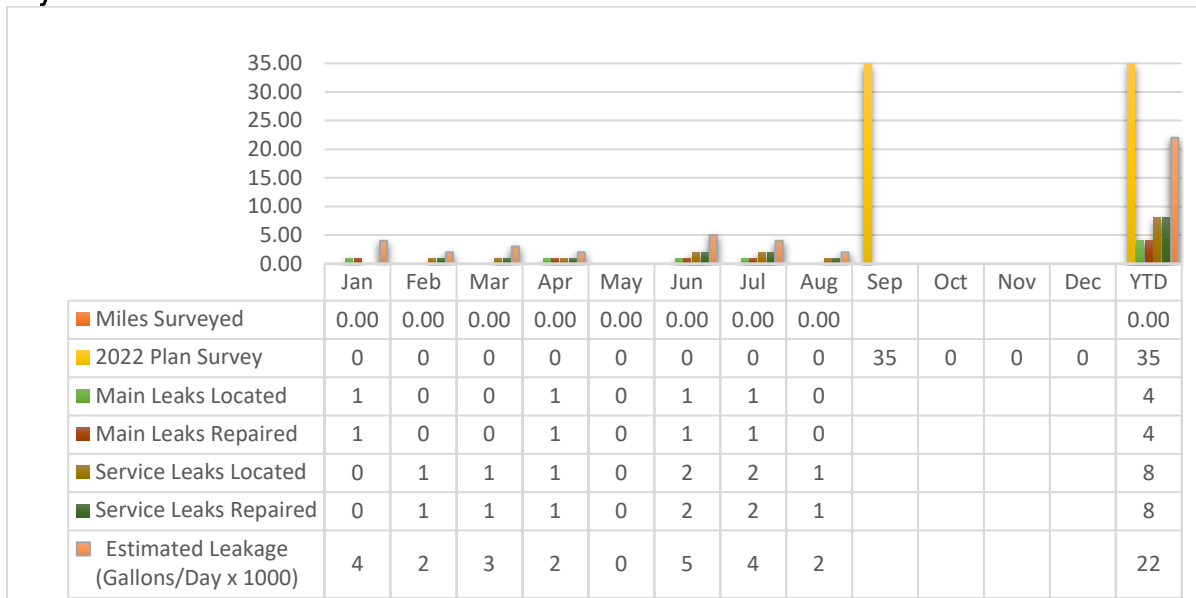


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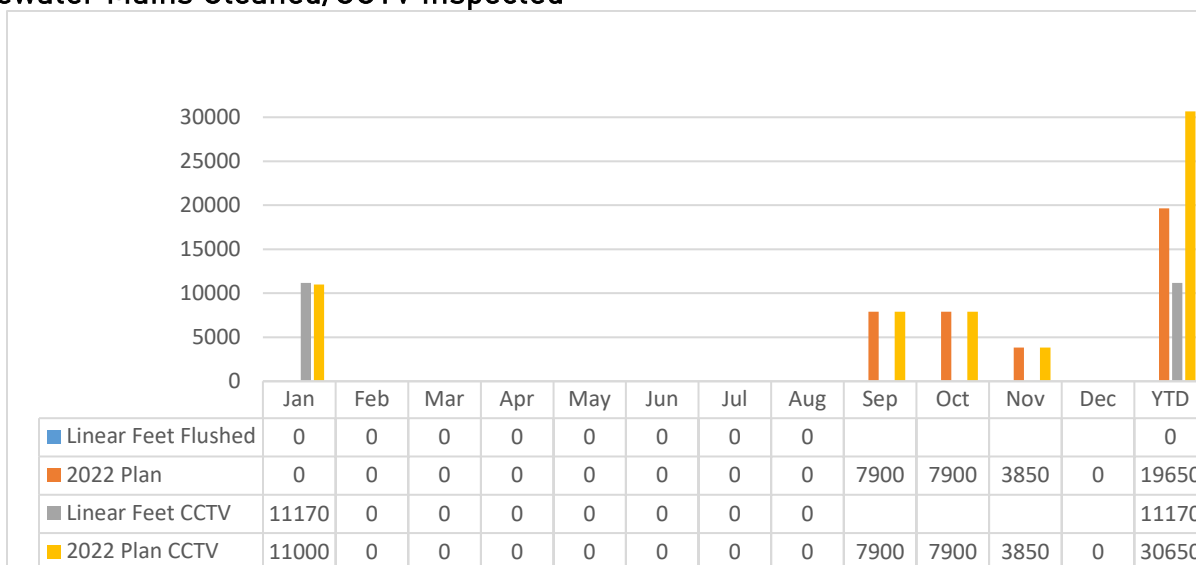
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Water System Leak Detection



Wastewater Mains Cleaned/CCTV Inspected



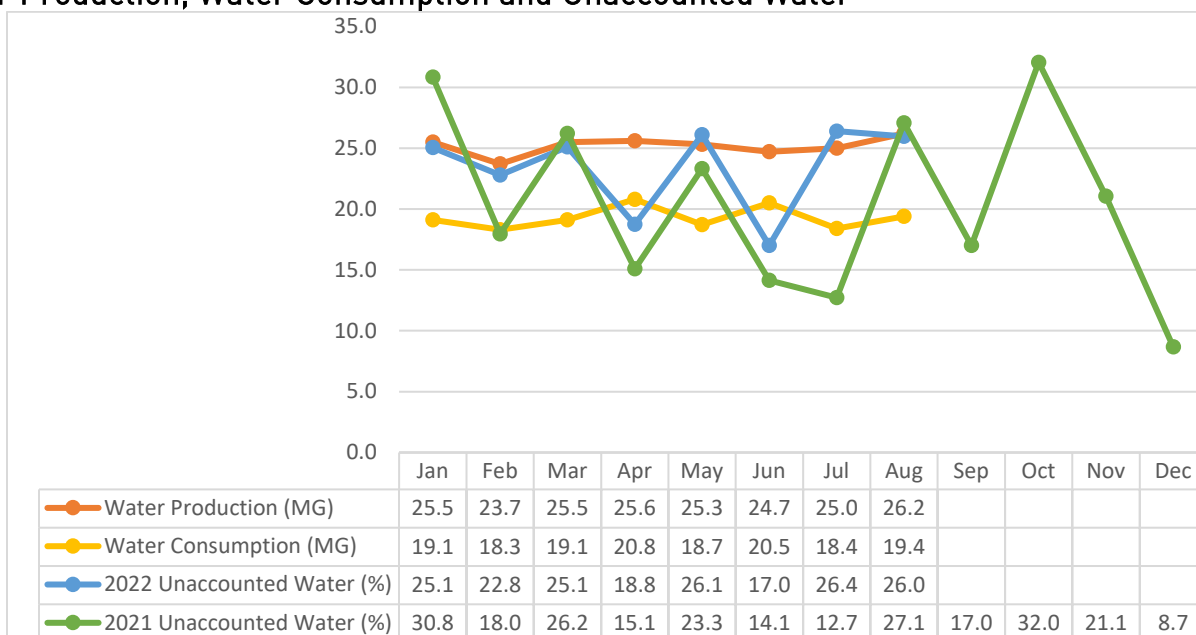
Approximately 11,000 feet of CCTV remaining from 2021 was completed in January 2022.

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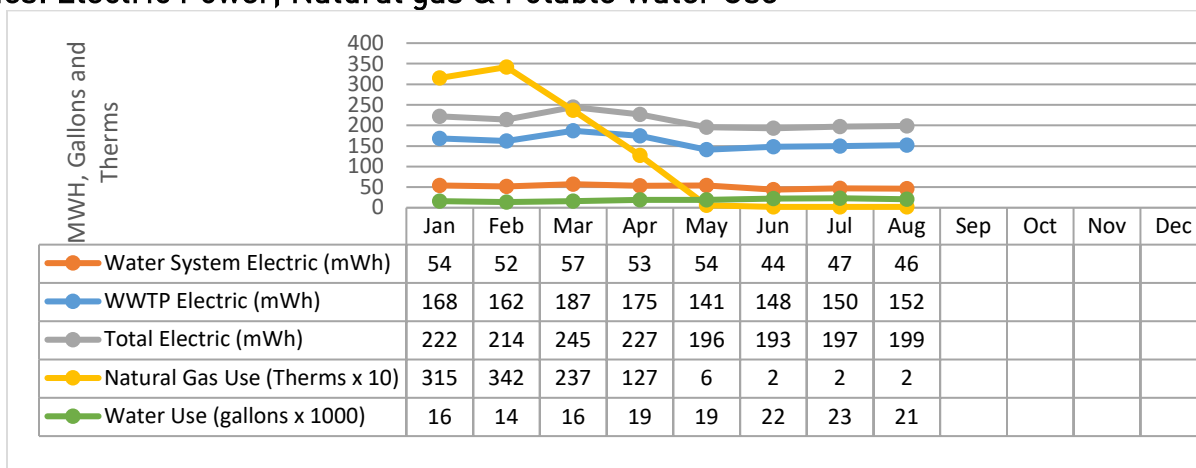
Water Production, Water Consumption and Unaccounted Water



Unaccounted for water calculation does not include unmetered, estimated flows used for firefighting, training and system maintenance and flushing activities. This is a nominal amount equating to approximately 1% to 2% of the unaccounted water volume. Veolia is investigating the unaccounted for water fluctuations.

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

Utilities: Electric Power, Natural gas & Potable Water Use



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Process Chemicals: Water and WWTP Treatment

Chemical	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Hypochlorite (Water)	gal	237	201	216	239	219	231	266	327					1936
Hydrofluorosilic Acid	lbs	251	267	305	311	380	416	312	310					2552
Alum	gal	1309	1274	1466	1382	1370	1418	1363	1152					10734
Thickening Polymer	gal	45	65	64	64	74	54	60	60					486
Dewatering Polymer	gal	60	90	113	85	84	109	69	45					655
Chlorine (WWTP)	lbs	384	412	384	537	724	527	375	327					3670
Lime	lbs	3464	4692	5798	4425	5089	5620	3717	2877					35682

Tank Inspection: Water and WWTP

A tank inspection schedule was developed and submitted to the Borough. The tank inspection reports will be maintained in the Project Managers office for review.

Nitrification Control Program

Currently there is no requirement or need for a nitrification control program at the facilities. Veolia will continue to monitor the system for the need of a program and initiate accordingly.

Facility Security

There were no security issues or events during the month.

Meter Testing

A summary of Meter testing is provided in the table below. Quarterly testing and calibrations were completed on water and wastewater process meters, pursuant to the Concession Agreement and Operating Standards. Testing and calibration reports will be attached with the Appendix to this report as they occur.

National Meter was contracted with in 2021 to perform replacement and testing of approximately 270 of the oldest small meters within the distribution system each year. In 2021, 269 small meters were replaced. Small Meter Test Results have been added to the the table below. Currently there is a 97% pass rate of the meters tested.

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Meter Testing Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
WWTP Process	1	0	0	1	0	0	1	0					1	1	1	0	3
Water Process	17	0	0	15	0	0	15	0					17	15	15	0	47
Interconnect/Large	0	0	0	0	0	0	0	0					0	0	0	0	0
Small Meter	0	0	1	0	0	0	0	0					1	0	0	0	1
TOTAL	18	0	1	16	0	0	16	0	0	0	0	0	19	16	16	0	51

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.
- Complete valve turning program.
- Collect additional samples for the triennial lead and copper sampling.
- Begin annual sewer jetting.

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 823 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 August being mailed to customers on August 29th. The average gross monthly collection rate for August was 103.72% and 103.41% 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 31 accounts this month, which is down from last month. There were no idle meters with consumption this month.

The number of Field Service Requests in August was 81. 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 377 who have enrolled in the Auto Pay program.

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Customer Service: Calls by Type

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	2021	2020
General Acct. Info	9	12	16	18	17	13	10	8					103	131	179
Bill Inquiry	210	99	176	167	146	142	93	97					1130	934	764
Finals	14	9	20	26	32	27	25	20					173	173	182
New Account	12	7	11	12	19	10	11	5					87	98	91
Meter Reading/Re-Reads	0	0	2	2	1	0	2	1					8	0	5
Payments	562	597	584	557	570	569	590	578					4607	6127	5710
Collection Letter	9	47	56	52	85	84	53	78					464	168	56
Rates	0	5	2	0	0	1	1	0					9	30	14
Complaints	0	0	0	0	0	0	0	0					0	1	11
Sewer	0	0	0	0	0	0	0	2					2	12	17
Leaks	0	0	0	0	0	2	6	1					9	11	12
No/Low Water Pressure	0	0	0	0	1	0	0	2					3	6	10
Copy Of Bill	77	0	0	3	0	3	2	4					89	2	3
Correct. Bills	0	0	0	0	0	0	0	0					0	0	1
Mtr Change Out	0	0	0	0	0	0	0	0					0	1	0
Customer Correspondance	78	119	68	49	43	55	70	82					564	922	206
Discolored/Water Quality	0	0	0	0	0	1	0	0					1	0	1
Calls Referred to SUEZ Hbg	34	25	30	29	58	48	39	27					290	439	659
Calls from City / Other Org	0	0	0	0	0	0	0	0					0	1	0
Compliments	0	0	1	0	0	0	0	0					1	18	0
2022 TOTALS	1005	920	966	915	972	955	902	905	0	0	0	0	7540		
2021 TOTALS	697	659	779	759	726	772	719	781	803	866	799	714		9074	
2020 TOTALS	723	667	669	650	601	675	643	613	724	721	594	641			7921

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

Customer Service: Billing

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

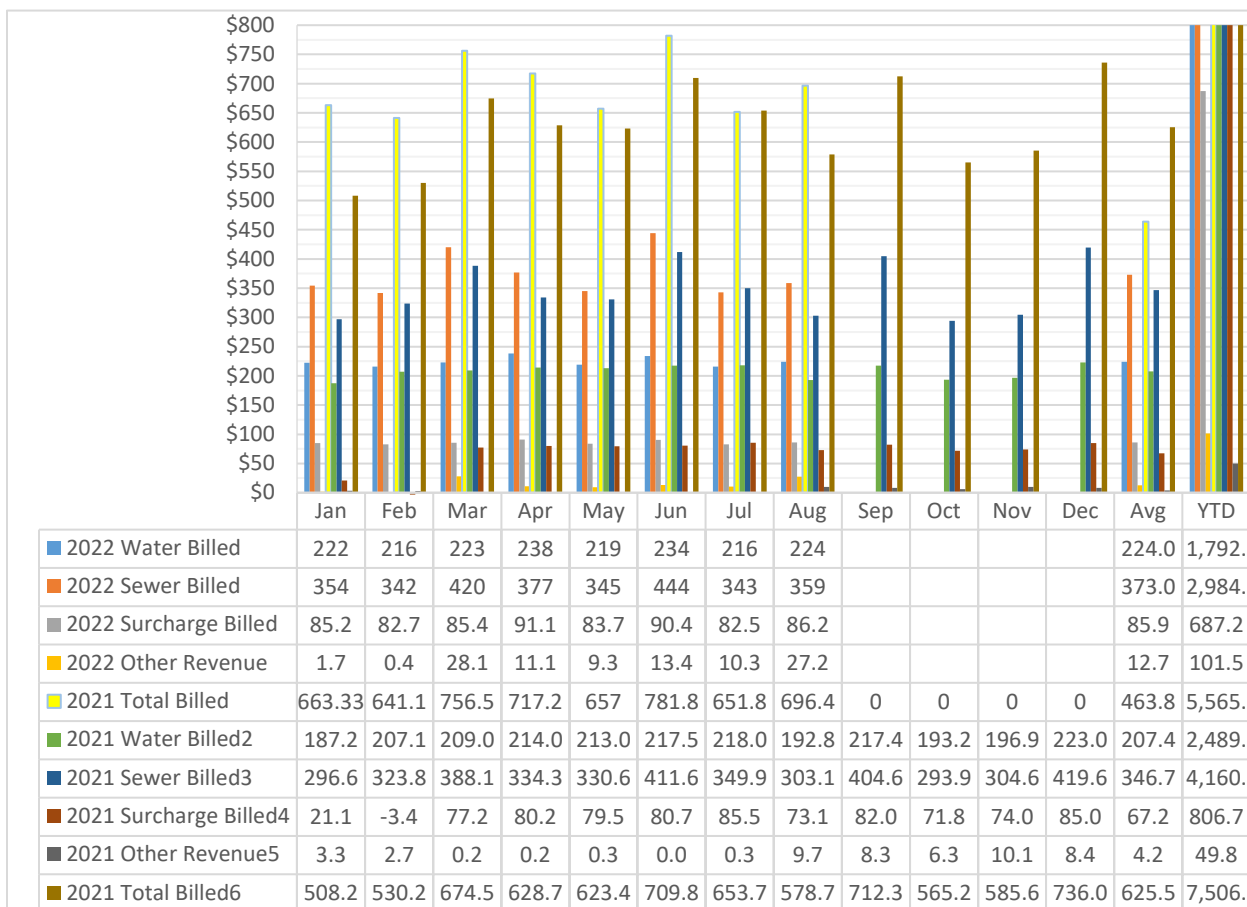
* Neptune is the meter manufacturer

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Dollars Billed - Water and Sewer (dollars X1000)



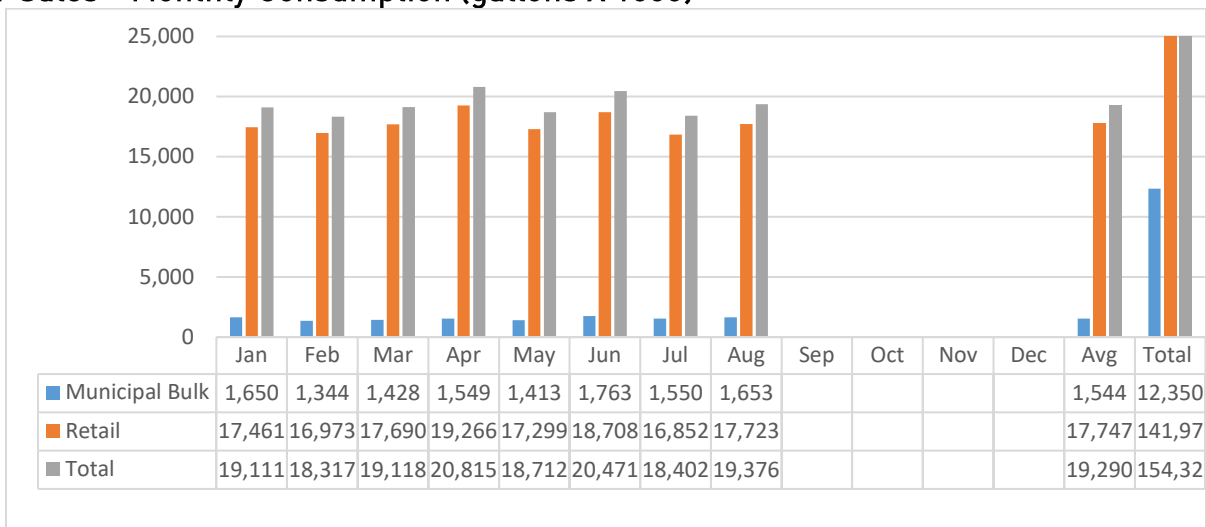
*Negative surcharge value was due to the prior surcharge collection period ending in February 2021.

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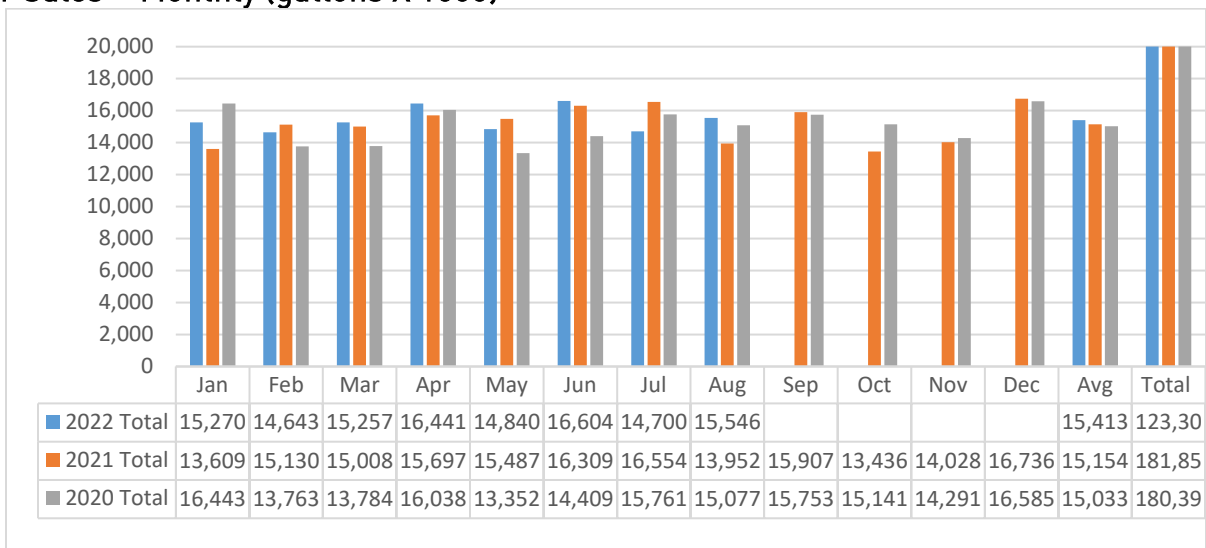
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Water Sales - Monthly Consumption (gallons X 1000)



Sewer Sales - Monthly (gallons X 1000)



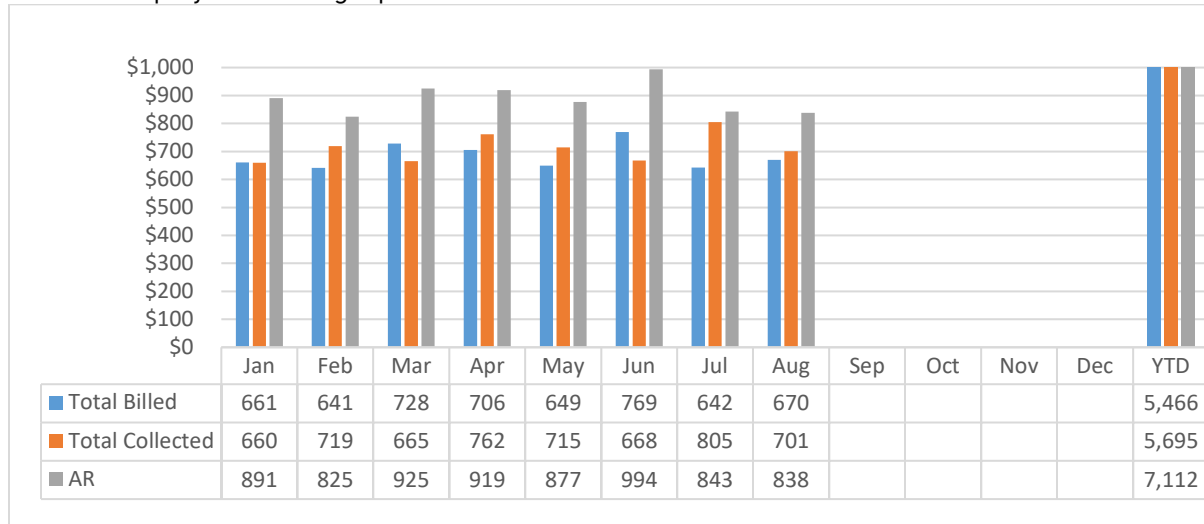
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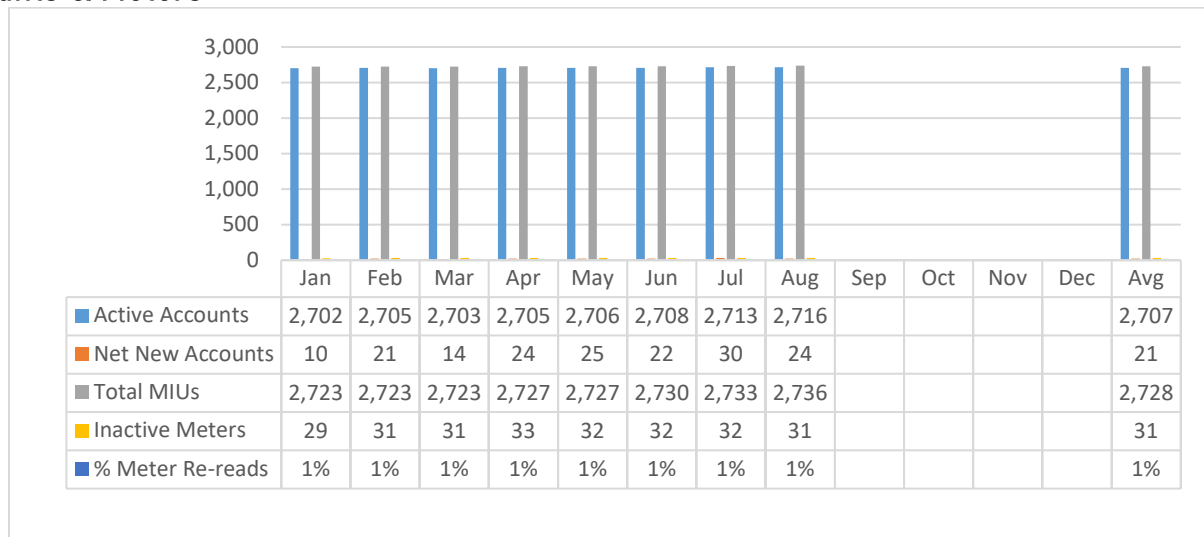


Collections (dollars X 1000)

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



Accounts & Meters

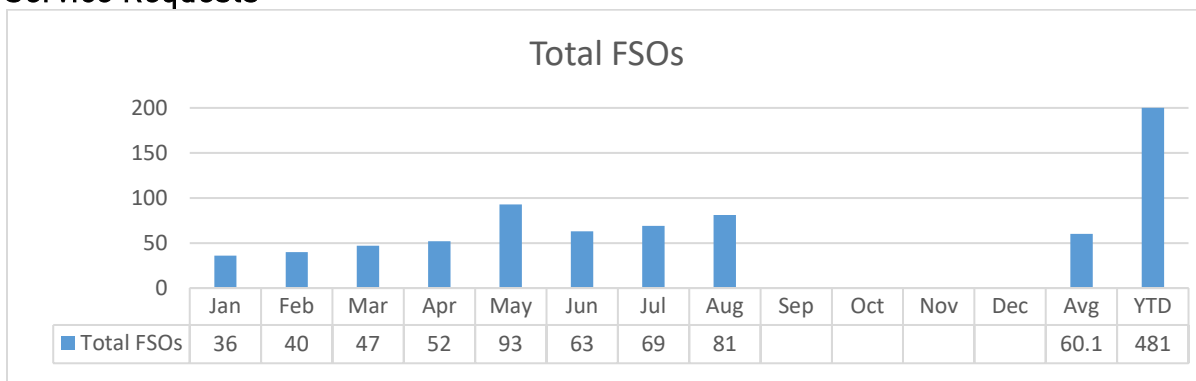


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Field Service Requests



Service Disruptions

A summary of service disruptions is provided in the table below.

Service Disruptions Summary

Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Planned	0	0	0	0	0	0	0	0					0	0	0	0	0
Unplanned	1	0	0	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	0	0
Discolored	0	0	0	0	0	1	0	0					0	0	0	0	0
Boil Water Notices	0	0	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	1	0	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

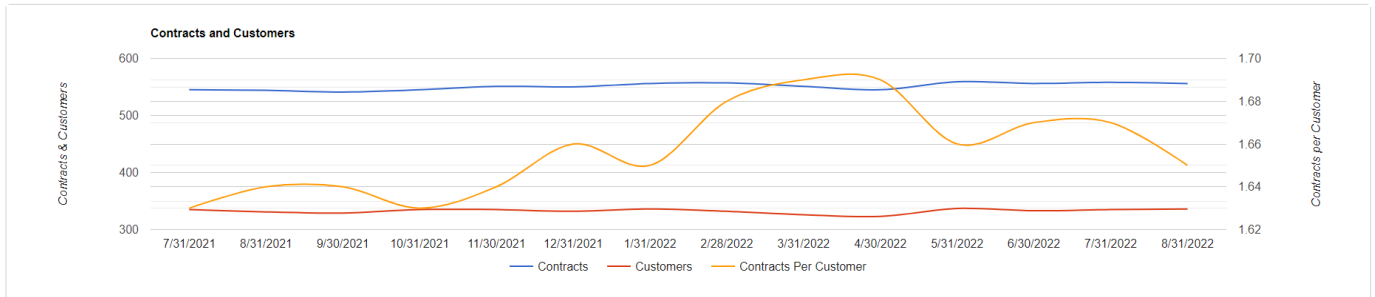
Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Back-up / Blockage	0	0	0	0	0	0	0	4					0	0	4	0	4
Odor	0	0	0	0	0	0	0	0					0	0	0	0	0
2022 TOTAL	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4	0	4
2021 TOTAL	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	2

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Home Serve USA



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

Next Month Customer Service Priorities

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

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Water Sales Test Period

Water Sales Test Period No. 3 1/1/2021 to 12/31/2023	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	
														Total	Avg
Total consumption for the month (gallons)	2021	16,984,200	19,701,800	19,964,700	20,521,000	20,409,700	20,950,100	20,557,500	17,545,400	20,495,500	17,656,500	18,017,900	21,191,200	233,995,500	19,499,625
	2022	19,111,100	18,317,500	19,119,800	20,815,300	18,711,600	20,471,200	18,402,600	19,375,800					154,324,900	19,290,613
	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	16,852,200	17,722,600					141,972,600	17,746,575
	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	543,619	571,697					4,679,257	584,907
	2023														
Avg retail water sales (gal)		528,337	610,171	563,219	618,750	565,439	615,878	576,508	543,092	625,280	516,081	549,113	624,145	5,778,704	579,043
Bulk Municipal Sales - Total month (gallons)	2021	1,688,100	2,505,500	2,736,000	2,662,000	2,651,300	2,705,400	1,666,200	1,596,300	1,737,100	1,567,000	1,544,500	1,842,700	24,902,100	2,075,175
	2022	1,650,300	1,344,200	1,428,900	1,549,300	1,412,800	1,763,200	1,550,400	1,653,200					12,352,300	1,544,038
	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	50,013	53,329					406,669	50,834
	2023														
Avg Bulk Customer sales (gal)		53,845	68,745	67,176	70,188	65,550	74,477	51,881	52,411	57,903	50,548	51,483	59,442	613,961	59,636
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) = 579,043															
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

AUGUST 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

AUGUST 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

AUGUST 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	0					0
Concessionaire Notifications	0	0	0	0	0	0	0	0					0
Incident Email Notifications	0	0	0	0	0	0	0	0					0
Environmental Incidents – Appletree Hotline notifications	0	0	0	0	0	0	0	0					0
Environmental Incidents – Appletree Hotline notifications/chemical spills	0	0	0	0	0	0	0	0					0
Non-compliance – violations	0	0	0	0	0	0	0	0					0
Reporting non-compliance	0	0	0	0	0	0	0	0					0
Safety related incidents – OSHA lost time	0	0	0	0	0	0	0	0					0
Total days lost	0	0	0	0	0	0	0	0					0
Safety related incidents – Preventable	0	0	0	0	0	0	0	0					0
Safety related – Near Miss	0	0	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	16	22.5					240.5

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



September 30, 2022

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

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

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

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

RE: Laboratory Supervisor Certification – August 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



September 30, 2022

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

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

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

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

RE: Environmental Laws Certification- August 2022

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

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

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

Kodi Webb
Project Manager
Veolia Middletown

MIDDLETOWN MONTHLY REPORT

APPENDIX 1 WASTEWATER

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

&

SMARTCOVER® MONITORING SYSTEM REPORT



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

Your eDMR Report Has Been Received For Permit No. PA00206641 message

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

Wed, Sep 28, 2022 at 11:54 AM

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

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

Facility Name: MIDDLETOWN STP**Permit Number:** PA0020664**Report Frequency:** Monthly**Report Type:** DMR**Reporting Period:** 08/01/2022-08/31/2022**Report Due Date:** 09/28/2022**Submitted By:** Kodi Webb**Submission Id:** 351552**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: 08/01/2022

DMR Effective To: 08/31/2022

Permit Expires: 02/28/2026

Permit Application Due: 09/01/2025

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	08	01	TO	2022	08	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	7.24	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	7.6	***	7.8	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	< 21	43	lbs/day	***	< 3.0	6.0	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	***	***	***	***	< 2.96	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	< .05	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .83	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	< 2.13	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	4	***	lbs/day	***	.57	***	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	.848	1.030	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.30	.40	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 681.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 10.9	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 191.1	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 490.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	131.5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	< 2	5	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	< 18	< 25	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: 08/01/2022
DMR Effective To: 08/31/2022
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	08	01	TO	2022	08	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 681.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	131.5	***	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: 08/01/2022
DMR Effective To: 08/31/2022
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2022	08	01	TO	2022	08	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	2499	3625	lbs/day	***	336	***	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	2755	4617	lbs/day	***	371	***	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
8-22 Biosolids.xls	Sewage Sludge / Biosolids Production and Disposal Form	2022-09-28T11:52:10-04:00	
8-22 Effluent Supplemental .xlsx	Daily Effluent Monitoring Form	2022-09-28T11:52:53-04:00	
8-22 Influent Supplemental.xls	Influent and Process Control Form	2022-09-28T11:53:14-04:00	
2022 Annual_Chesapeake_Bay_Spreadsheet_v2.2 .xlsm	Annual Chesapeake Bay Spreadsheet	2022-09-28T11:53:54-04:00	

PERMIT VIOLATIONS

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

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

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

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Kodi Webb	23501	(717)-388-1759

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Kodi Webb	TELEPHONE		DATE		
kwebb2			(717)	209-2736	2022	09	28
			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: August 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	1.030	422.0	3,625	290.0	2,491	2,596.0		23,000.0		
2	0.829	245.0	1,694	208.0	1,438	2,569.0		23,000.0		
3	0.804					2,582.0		28,000.0		
4	0.858					2,752.0		28,000.0		
5	0.850					2,570.0		26,000.0		
6	0.825							26,000.0		
7	0.837							26,000.0		
8	0.856	346.0	2,470	477.0	3,405	2,589.0		23,000.0		
9	0.876	250.0	1,826	284.0	2,075	2,588.0		28,000.0		
10	0.820					2,636.0		28,000.0		
11	0.836					2,758.0		26,000.0		
12	0.804					2,411.0		12,000.0		
13	0.743							25,000.0		
14	0.765							25,000.0		
15	0.903	286.0	2,154	613.0	4,617	2,491.0		25,000.0		
16	0.763	325.0	2,068	302.0	1,922	2,476.0		27,000.0		
17	1.001					2,545.0		30,000.0		
18	0.841					2,805.0		30,000.0		
19	0.786					2,825.0		30,000.0		
20	0.779							30,000.0		
21	0.948							30,000.0		
22	0.962	312.0	2,503	367.0	2,944	2,744.0		27,000.0		
23	0.867	363.0	2,625	256.0	1,851	2,754.0		30,000.0		
24	0.798					2,730.0		30,000.0		
25	0.825					2,785.0		31,000.0		
26	0.861					2,249.0		18,000.0		
27	0.790							20,000.0		
28	0.834							20,000.0		
29	0.874	418.0	3,047	503.0	3,666	3,024.0		30,000.0		
30	0.913	391.0	2,977	413.0	3,145	2,974.0		20,000.0		
31	0.834					3,073.0		28,000.0		
Avg	0.849	336	2,499	371	2,755	2,675		25,903		
Max	1.03	422	3,625	613	4,617	3,073		31,000		

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

Prepared By: Kodi Webb
Title: Project Manager

License No.: 23501
Date: 9/20/2022

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

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

Month: 8 (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	mg/L	Q	CFU/100 ml	Q	mg/L	Q	mg/L	Q	
1	Sun	7/31/22	1.136																
	Mon	8/1/22	1.030		7.7		7.49		0.32		4.3		6.0		0.06		0.53		
	Tue	8/2/22	0.829		7.7		7.53		0.34	<	2.0		5.0	<	2.0	<	0.02		0.4
	Wed	8/3/22	0.804		7.7		7.65		0.4				3.0						
	Thu	8/4/22	0.858		7.7		7.51		0.35										
	Fri	8/5/22	0.850		7.7		7.46		0.32										
	Sat	8/6/22	0.825		7.7		7.49		0.35										
2	Sun	8/7/22	0.837		7.8		7.49		0.28										
	Mon	8/8/22	0.856		7.7		7.51		0.32	<	2.0	<	1.0		0.03		0.32		
	Tue	8/9/22	0.876		7.7		7.41		0.26	<	2.0		1.0	<	2.0		0.09		0.34
	Wed	8/10/22	0.820		7.6		7.44		0.25				5.0						
	Thu	8/11/22	0.836		7.7		7.38		0.27										
	Fri	8/12/22	0.804		7.7		7.36		0.34										
	Sat	8/13/22	0.743		7.7		7.39		0.32										
3	Sun	8/14/22	0.765		7.6		7.25		0.29										
	Mon	8/15/22	0.903		7.7		7.51		0.35	<	2.0		5.0		<	0.02		0.65	
	Tue	8/16/22	0.763		7.7		7.46		0.28	<	2.0		1.0	<	2.0		0.04		0.47
	Wed	8/17/22	1.001		7.7		7.56		0.26				<	2.0					
	Thu	8/18/22	0.841		7.7		7.61		0.26										
	Fri	8/19/22	0.786		7.7		7.66		0.25										
	Sat	8/20/22	0.779		7.7		7.52		0.27										
4	Sun	8/21/22	0.948		7.7		7.5		0.32										
	Mon	8/22/22	0.962		7.7		7.51		0.4	<	2.0		3.0		0.06		0.96		
	Tue	8/23/22	0.867		7.6		7.6		0.32	<	2.0		1.0	<	2.0		0.05		0.84
	Wed	8/24/22	0.798		7.7		7.54		0.35				<	2.0					
	Thu	8/25/22	0.825		7.7		7.5		0.29										
	Fri	8/26/22	0.831		7.6		7.24		0.37										
	Sat	8/27/22	0.790		7.7		7.5		0.28										
5	Sun	8/28/22	0.834		7.7		7.3		0.26										
	Mon	8/29/22	0.874		7.6		7.33		0.26	<	2.0		1.0		0.04		0.45		
	Tue	8/30/22	0.913		7.7		7.34		0.29				3.0	<	2.0		0.06		0.71
	Wed	8/31/22	0.834		7.7		7.3		0.28				<	2.0					
	Thu	9/1/22																	
	Fri	9/2/22																	
	Sat	9/3/22																	
Statistics for DMR																			
Daily Minimum (Conc.):					7.6		7.24		0.25	<	2	<	1	<	2	<	0.02		0.32
Daily Maximum (Conc.):					7.8		7.66		0.4		4.3		6		5		0.09		0.96
Max Avg Weekly (Conc.):							7.52		0.3	<	3		6				0.06		1
Avg Monthly (Conc.):							7.46		0.3	<	2	<	3				0.05		0.57
Geometric Mean (Conc.):																			
Max Avg Weekly (Load):							54		2	<	25		43				0.4		7
Avg Monthly (Load):							53		2	<	18		21				0.4		4
Total Monthly (Load):							26,282		67	<	546		639				11		132
Daily Minimum (Load):							46		2	<	13		6				0.1		2
Daily Maximum (Load):							1.03		3		37		52				0.7		8

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

Prepared By: Kodi Webb License No.: 23501
Title: Project Manager Date: 9/20/2022

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																					

5/8/22	3.716																			
5/9/22	2.588	0.18	3.9	0.06	1.3	0.76	16.4	<	1.32	<	28.5	<	2.08	<	44.9					
5/10/22	2.139	0.24	4.3	0.05	0.9	0.98	17.5	<	1.19	<	21.2	<	2.17	<	38.7					
5/11/22	1.984																			
5/12/22	1.881																			
5/13/22	1.857																			
5/14/22	1.967																			
5/15/22	1.822																			
5/16/22	1.765	0.21	3.1	0.03	0.4	<	0.5	<	7.4	<	1.57	<	23.1	<	30.5					
5/17/22	1.480	0.26	3.2	0.07	0.9		0.9		11.1	<	1.77	<	21.8	<	33.0					
5/18/22	2.422																			
5/19/22	2.069																			
5/20/22	1.470																			
5/21/22	1.417																			
5/22/22	2.427																			
5/23/22	2.076	0.39	6.8	<	0.02	<	0.3	<	0.5	<	8.7	<	1.24	<	30.1					
5/24/22	1.832	0.25	3.8	<	0.02	<	0.3	<	0.5	<	7.6	<	1.49	<	30.4					
5/25/22	1.661																			
5/26/22	1.617																			
5/27/22	1.670																			
5/28/22	1.364																			
5/29/22	1.235																			
5/30/22	1.193	0.46	4.6	<	0.02	<	0.2	<	0.5	<	5.0	<	1.89	<	23.8					
5/31/22	1.202	0.5	5.0	<	0.02	<	0.2	<	0.5	<	5.0	<	1.91	<	24.2					
6/1/22	1.186																			
6/2/22	1.294																			
6/3/22	1.212																			
6/4/22	1.080																			
6/5/22	1.067																			
6/6/22	1.142	0.59	5.6	<	0.02	<	0.2		0.7		6.7	<	2.06	<	26.3					
6/7/22	1.107	0.5	4.6	<	0.02	<	0.2		1.07		9.9	<	2.01	<	28.4					
6/8/22	1.107																			
6/9/22	1.111																			
6/10/22	1.102																			
6/11/22	1.080																			
6/12/22	1.263																			
6/13/22	1.108	0.33	3.0	<	0.02	<	0.2		0.5		4.6	<	1.82	<	21.4					
6/14/22	1.116	0.31	2.9		0.05		0.5	<	0.5	<	4.7	<	1.75	<	20.9					
6/15/22	0.956																			
6/16/22	1.531																			
6/17/22	1.163																			
6/18/22	1.026																			
6/19/22	0.977																			
6/20/22	0.911	0.32	2.4		0.08		0.6	<	0.5	<	3.8	<	1.72	<	16.9					
6/21/22	0.980	0.29	2.4		0.09		0.7		1.3		10.6	<	2.02	<	27.1					
6/22/22	1.266																			
6/23/22	1.391																			
6/24/22	1.126																			
6/25/22	0.911																			
6/26/22	1.644																			
6/27/22	1.543	0.4	5.1	<	0.02	<	0.3		0.67		8.6		1.69		30.4					
6/28/22	1.064	0.31	2.8	<	0.02	<	0.2		0.81		7.2		1.62		21.6					
6/29/22	1.050																			
6/30/22	1.029																			
7/1/22	1.062																			
7/2/22	0.953																			
7/3/22	0.916																			
7/4/22	0.921	0.38	2.9		0.15		1.2		0.56		4.3		1.78		18.0					

7/5/22	1.083	0.44	4.0	0.11	1.0	<	0.5	<	4.5	2.05	18.5	<	2.55	<	23.0
7/6/22	0.983														
7/7/22	1.033														
7/8/22	0.985														
7/9/22	0.939														
7/10/22	0.880														
7/11/22	0.949	0.32	2.5	0.06	0.5		0.9		7.1	1.93	15.3		2.83		22.4
7/12/22	0.886	0.35	2.6	0.06	0.4		1.08		8.0	1.78	13.2		2.86		21.1
7/13/22	0.951														
7/14/22	0.897														
7/15/22	0.887														
7/16/22	1.320														
7/17/22	1.883														
7/18/22	1.467	0.6	7.3	0.1	1.2	<	0.5	<	6.1	1.58	19.3	<	2.08	<	25.4
7/19/22	0.969	0.23	1.9	0.08	0.6	<	0.5	<	4.0	1.44	11.6	<	1.94	<	15.7
7/20/22	0.938														
7/21/22	0.928														
7/22/22	0.915														
7/23/22	0.800														
7/24/22	0.846														
7/25/22	0.995	0.51	4.2	0.03	0.2		0.74		6.1	2.18	18.1		2.92		24.2
7/26/22	0.876	0.45	3.3	0.06	0.4	<	0.5	<	3.7	1.99	14.5	<	2.49	<	18.2
7/27/22	0.893														
7/28/22	0.930														
7/29/22	1.035														
7/30/22	0.826														
7/31/22	1.136														
8/1/22	1.030	0.53	4.6	0.06	0.5		0.55		4.7	2.03	17.4		2.58		22.2
8/2/22	0.829	0.4	2.8	< 0.02	< 0.1		0.67		4.6	1.81	12.5		2.48		17.1
8/3/22	0.804														
8/4/22	0.858														
8/5/22	0.850														
8/6/22	0.825														
8/7/22	0.837														
8/8/22	0.856	0.32	2.3	0.03	0.2		0.96		6.9	1.99	14.2		2.95		21.1
8/9/22	0.876	0.34	2.5	0.09	0.7		0.85		6.2	< 1.89	< 13.8	<	2.74	<	20.0
8/10/22	0.820														
8/11/22	0.836														
8/12/22	0.804														
8/13/22	0.743														
8/14/22	0.765														
8/15/22	0.903	0.65	4.9	< 0.02	< 0.2		0.78		5.9	< 1.93	< 14.5	<	2.71	<	20.4
8/16/22	0.763	0.47	3.0	0.04	0.3		0.55		3.5	< 1.98	< 12.6	<	2.53	<	16.1
8/17/22	1.001														
8/18/22	0.841														
8/19/22	0.786														
8/20/22	0.779														
8/21/22	0.948														
8/22/22	0.962	0.96	7.7	0.06	0.5		1.79		14.4	2.59	20.8		4.38		35.1
8/23/22	0.867	0.84	6.1	0.05	0.4		0.93		6.7	2.44	17.6		3.37		24.4
8/24/22	0.798														
8/25/22	0.825														
8/26/22	0.861														
8/27/22	0.790														
8/28/22	0.834														
8/29/22	0.874	0.45	3.3	0.04	0.3		0.68		5.0	2.28	16.6		2.96		21.6
8/30/22	0.913	0.71	5.4	0.06	0.5	<	0.5	<	3.8	2.36	18.0	<	2.86	<	21.8
8/31/22	0.834														

9/1/22																					
9/2/22																					
9/3/22																					
9/4/22																					
9/5/22																					
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9/27/22																					
9/28/22																					
9/29/22																					
9/30/22																					
Avg	1.246463		0.28		2.7	<	0.05	<	0.6	<	0.8	<	8.1	<	2.02	<	19.9	<	2.82	<	28
Annual Total Mass Loads (lbs):					992			<	208			<	2950			<	7277			<	10227

P Credits Generated: 764

N Credits Generated: 10216

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: _____
Title: _____

License No.: _____
Date: _____

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	111.3	21.8	< 170	481.3	< 651.3

August
September

131.5

< 10.9

< 191.1

< 490.2

< 681.2

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	0.41	0.08	< 0.66	1.84	< 2.5
August	0.57	< 0.05	< 0.83	< 2.13	< 2.96
September					



SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

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

Month: **August** Year: **2022**
NPDES Permit No.: **PA0020664**
Renewal application due **180 days** prior to expiration
This permit will expire on: **February 28, 2026**

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

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

TOTAL:

TOTAL:

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

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			

* See Instructions for explanation.

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

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

License No.: 23501
Date: September 12, 2022

Veolia Middletown WWTP

August, 2022

DATE	EFF	M.J. Reider Composite Sample Test Results																					
	FLOW	BOD		CBOD		%Remov	SUSPENDED SOLIDS				%Remov	TP		FEC.	NH3		NO2-NO3		TKN		TN		
	MGD	INFLUENT		EFFLUENT			INFLUENT		EFFLUENT			EFFLUENT		COLIF.	EFFLUENT		EFFLUENT		EFFLUENT		EFFLUENT		
		mg/L	LBS.	mg/L	LBS.		mg/L	LBS.	mg/L	LBS.		mg/L	LBS.	/100ml	mg/L	LBS.	mg/L	LBS.	mg/L	LBS.	mg/L	LBS.	
	01	1.030	422	3,624	4.3	36.93	99.0	290	2,491	6.0	51.53	97.9	0.53	4.55		0.06	0.52	2.0	17.43	0.6	4.72	2.58	22.2
02	0.829	245	1,694	<2.0	<13.83	99.2	208	1,438	5.0	34.58	97.6	0.40	2.77	<2	<0.02	<0.14	1.8	12.52	0.7	4.63	2.48	17.2	
03	0.804													3									
04	0.858																						
05	0.850																						
06	0.825																						
07	0.837																						
08	0.856	346	2,469	<2.0	<14.27	99.4	477	3,404	<1.0	7.14	99.8	0.32	2.28		0.03	0.21	2.0	14.20	1.0	6.85	2.95	21.0	
09	0.876	250	1,827	<2.0	<14.61	99.2	284	2,075	1.0	7.31	99.6	0.34	2.48	<2	0.09	0.66	<1.9	<13.81	0.9	6.21	<2.74	<20.0	
10	0.820													5									
11	0.006																						
12	0.804																						
13	0.743																						
14	0.765																						
15	0.903	286	2,153	<2.0	<15.06	99.3	613	4,615	5.0	37.64	99.2	0.65	4.89		<0.02	<0.15	<1.9	<14.53	0.8	5.87	<2.71	<20.4	
16	0.763	325	2,067	<2.0	<12.72	99.4	302	1,921	1.0	6.36	99.7	0.47	2.99	<2	0.04	0.25	<2.0	<12.59	0.6	3.50	<2.53	<16.1	
17	1.001													<2									
18	0.841																						
19	0.786																						
20	0.779																						
21	0.948																						
22	0.962	312	2,502	<2.0	<16.04	99.4	367	2,943	3.0	24.06	99.2	0.96	7.70		0.06	0.48	2.6	20.77	1.8	14.35	4.38	35.1	
23	0.867	363	2,624	<2.0	<14.46	99.4	256	1,851	1.0	7.23	99.6	0.84	6.07	<2	0.05	0.36	2.4	17.64	0.9	6.72	3.37	24.4	
24	0.798													<2									
25	0.825																						
26	0.861																						
27	0.790																						
28	0.834																						
29	0.874	418	3,046	<2.0	<14.58	99.5	503	3,666	1.0	7.29	99.8	0.45	3.28		0.04	0.29	2.3	16.62	0.7	4.96	2.96	21.6	
30	0.913	391	2,977	3.1	23.60	99.2	413	3,144	3.0	22.84	99.3	0.71	5.41	<2	0.06	0.46	2.4	17.97	<0.5	<3.81	<2.86	<21.8	
31	0.834													<2									

Veolia Middletown WWTP
Daily Effluent Grab Monitoring / Weather

August

2022

Date	Operator Initials	Effluent Grab Sample Time		pH		RPD	Dissolved Oxygen (mg/L)		RPD	Total Residual Chlorine (mg/L)		RPD	Temp. C	Influent COD mg/L	Comments
		Start	Finish	#1	#2		#1	#2		#1	#2				
01	GL	0847	0847	7.70	7.70	0.00	7.49	7.48	0.13	0.32	.32	.00	23.7	500.00	
02	GL	0845	0845	7.70	7.70	0.00	7.53	7.53	0.00	0.34	.34	.00	23.5	287.00	
03	GL	0847	0847	7.70	7.70	0.00	7.65	7.64	0.13	0.40	.39	2.53	24.3	420.00	
04	GL	0847	0847	7.70	7.70	0.00	7.51	7.51	0.00	0.35	.35	.00	24.7	426.00	
05	GL	0848	0848	7.70	7.70	0.00	7.46	7.45	0.13	0.32	.31	3.17	24.1	397.00	
06	GL	0753	0753	7.70	7.70	0.00	7.49	7.49	0.00	0.35	.35	.00	24.2		
07	GG	0830	0830	7.80	7.80	0.00	7.49	7.49	0.00	0.28	.27	3.64	24.8		
08	GL	0848	0848	7.70	7.70	0.00	7.51	7.51	0.00	0.32	.32	.00	25.3	602.00	
09	GL	0847	0847	7.70	7.80	-1.29	7.41	7.40	0.14	0.26	.26	.00	25.4	396.00	
10	GG	0820	0820	7.60	7.60	0.00	7.44	7.44	0.00	0.25	.25	.00	21.3	810.00	
11	GL	0847	0847	7.70	7.70	0.00	7.38	7.38	0.00	0.27	.28	-3.64	25.5	499.00	
12	GL	0858	0858	7.70	7.70	0.00	7.36	7.35	0.14	0.34	.34	.00	24.4	339.00	
13	GL	0747	0747	7.70	7.70	0.00	7.39	7.38	0.14	0.32	.32	.00	23.6		
14	GG	0810	0810	7.60	7.60	0.00	7.25	7.25	0.00	0.29	.27	7.14	24.0		
15	GG	0756	0756	7.70	7.70	0.00	7.51	7.51	0.00	0.35	.32	8.96	23.9	630.00	
16	GG	0807	0807	7.70	7.70	0.00	7.46	7.48	-0.27	0.28	.30	-6.90	23.4	522.00	
17	GG	0809	0809	7.70	7.70	0.00	7.56	7.57	-0.13	0.26	.26	.00	23.3	646.00	
18	GG	0845	0845	7.70	7.70	0.00	7.61	7.62	-0.13	0.26	.26	.00	23.1	604.00	
19	GG	0737	0737	7.70	7.70	0.00	7.66	7.64	0.26	0.25	.24	4.08	23.2	528.00	
20	GG	0825	0825	7.70	7.70	0.00	7.52	7.51	0.13	0.27	.26	3.77	24.3		
21	GG	0830	0830	7.70	7.70	0.00	7.50	7.49	0.13	0.32	.30	6.45	23.8		
22	GG/MB	0835	0835	7.70	7.70	0.00	7.51	7.52	-0.13	0.40	.39	2.53	22.9	852.00	
23	GG/MB	0833	0833	7.60	7.70	-1.31	7.60	7.62	-0.26	0.32	.31	3.17	23.7	636.00	
24	GG/MB	0839	0839	7.70	7.70	0.00	7.54	7.54	0.00	0.35	.35	.00	23.8	629.00	
25	GG/MB	0826	0826	7.70	7.70	0.00	7.50	7.50	0.00	0.29	.28	3.51	24.6	661.00	
26	GG/MB	0730	0730	7.60	7.70	-1.31	7.24	7.23	0.14	0.37	.36	2.74	24.3	541.00	
27	GG	0835	0835	7.70	7.70	0.00	7.50	7.49	0.13	0.28	.26	7.41	24.8		
28	GG	0830	0830	7.70	7.70	0.00	7.30	7.29	0.14	0.26	.24	8.00	24.5		
29	GG/MB	0832	0832	7.60	7.70	-1.31	7.33	7.31	0.27	0.26	.27	-3.77	24.8	917.00	
30	GG/MB	0833	0833	7.70	7.80	-1.29	7.34	7.31	0.41	0.29	.29	.00	24.8	838.00	
31/2022	GG/MB	0849	0849	7.70	7.70	0.00	7.30	7.28	0.27	0.28	.27	3.64	24.7	852.00	

Veolia Middletown WWTP

Process Control

August

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	2,596	31,611	1,904	73.3	8,950	23,000	1,717	13.50	6.08	0.09	220	150	58	4	2
02	2,569	31,286	1,542	60.0	7,220	23,000	1,385	13.55	8.29	0.06	230	150	58	1	0
03	2,582	31,442	1,721	66.7	6,364	28,000	1,486	14.10	8.26	0.06	230	150	58	1	0
04	2,752	33,515	1,892	68.8	7,062	28,000	1,649	13.97	6.88	0.06	220	160	58	4	2
05	2,570	31,296	1,542	60.0	6,178	26,000	1,340	14.01	7.78	0.07	220	160	62	3	1
06						26,000								2	2
07						26,000								3	2
08	2,589	31,523	1,553	60.0	7,041	23,000	1,351	14.00	7.92	0.10	210	150	58	2	2
09	2,588	31,518	1,726	66.7	6,034	28,000	1,409	14.91	6.81	0.06	220	150	58	1	3
10	2,636	32,091	1,506	57.1	4,976	28,000	1,162	15.78	7.65	0.15	230	160	61	0	0
11	2,758	33,578	1,551	56.2	6,042	26,000	1,310	14.42	7.04	0.08	220	160	58	1	0
12	2,411	29,361	1,378	57.2	11,514	12,000	1,152	14.56	5.88	0.06	180	140	58	0	0
13						25,000								2	0
14						25,000								4	0
15	2,491	30,332	1,557	62.5	3,974	25,000	829	22.88	9.06	0.10	230	170	68	0	0
16	2,476	30,143	1,532	61.9	4,314	27,000	971	19.21	6.19	0.09	230	160	65	0	0
17	2,545	30,987	2,009	78.9	3,510	30,000	878	27.86	1.39	0.08	240	170	67	0	0
18	2,805	34,158	1,772	63.2	6,133	30,000	1,534	14.06	7.89	0.06	240	160	57	0	0
19	2,825	34,397	1,635	57.9	4,231	30,000	1,059	18.81	8.11	0.08	240	160	57	0	0
20						30,000								6	0
21						30,000								6	0
22	2,744	33,408	1,588	57.9	6,053	27,000	1,363	14.19	6.61	0.16	230	160	58	0	0
23	2,754	33,514	1,626	59.0	5,839	30,000	1,461	13.56	6.16	0.12	240	170	62	0	0
24	2,730	33,243	1,560	57.1	5,908	30,000	1,478	12.85	7.27	0.11	230	170	62	0	0
25	2,785	33,909	1,591	57.1	5,450	31,000	1,409	13.75	7.96	0.10	230	160	57	0	0
26	2,249	27,383	1,249	55.5	6,849	18,000	1,028	14.80	9.75	0.11	210	150	67	12	0
27						20,000								0	0
28						20,000								1	0
29	3,024	36,821	1,841	60.9	4,671	30,000	1,169	19.18	4.30	0.13	260	190	63	0	0
30	2,974	36,216	1,810	60.9	5,489	20,000	916	24.08	6.03	0.11	250	180	61	0	0
31	3,073	37,414	1,816	59.1	6,748	28,000	1,576	14.03	7.83	0.13	260	190	62	10	6
AVG	2,675	32,572	1,648	61.6	6,111	25,903	1,288	16.2	7.01	0.09	229	162	61	2	1

PA MIDDLETOWN WWTP

THICKENER MONTHLY REPORT

August

2022

DATE	RUN	FEED SLUDGE			DISCHARGE SLUDGE			POLYMER
	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01	6.00	87,378	0.52	3,789	6,732	5.32	2,987	6
02								
03								
04	4.00	60,038	0.51	2,554	5,049	5.03	2,118	4
05	3.50	47,288	0.51	2,011	3,366	5.02	1,409	3
06								
07								
08	5.75	74,247	0.58	3,591	6,732	4.95	2,779	4
09								
10								
11	4.00	53,457	0.58	2,586	5,049	4.75	2,000	6
12	4.00	52,484	0.58	2,539	6,732	4.99	2,802	3
13								
14								
15	6.00	82,942	0.95	6,571	8,415	5.06	3,551	9
16								
17								
18	4.00	55,902	0.59	2,751	5,049	3.99	1,680	3
19	4.00	54,804	0.59	2,697	3,366	1.91	536	3
20								
21								
22	6.00	83,472	0.65	4,525	8,415	5.17	3,628	6
23								
24								
25	2.25	30,035	0.64	1,603	3,366	5.49	1,541	2
26	5.25	76,605	0.62	3,961	6,732	5.16	2,897	5
27								
28								
29	5.75	79,723	0.62	4,122	6,432	5.12	2,875	6
30								
31								
TOTAL	61	838,375	7.94	43,300	75,435	61.96	30,803	60

REVISED 7/17/14

SUEZ Middletown WWTP

July

2022

ATAD TIME and TEMPERATURE																																
Date	Operator	Thickener					ATAD Level			ATAD Feed			ATAD		Minimum		ATAD to SNDR															
		End of feed		Disch. (ATAD Feed)			After			Gallons	TS	VS	End of feed				Date	Start		Gallons												
		Temp.	Feed	TS	VS	VS	Start	Trans.	Feed				Avg	Time	Till Transfer	Time		Temp.														
																			° F		Gals.	mg/L	mg/L	%	Ft	Ft	Ft	°F	24 HR	Hours	Date/Time	° F
08/01/22	GG	134.4	87,378	53,191	36,812	69.2	8.0	8.4	8.4	6,732	2,986	2,067	134.4	13:15	13.0	8/2/22 2:17																
08/02/22																																
08/03/22							8.4	8.0	8.0								8/3/22	8:30	136.1	6,732												
08/04/22	GG	133.5	60,038	50,293	34,033	67.7	8.0	8.0	8.3	5,049	2,118	1,433	133.5	11:15	15.3	8/5/22 2:34																
08/05/22	GG	133.3	47,288	50,201	34,639	69.0	8.8	8.8	9.0	3,366	1,409	972	133.3	10:45	15.9	8/6/22 2:37																
08/06/22																																
08/07/22							9.0	8.5	8.5								8/7/22	9:55	135.0	8,415												
08/08/22	GG	133.7	74,247	49,461	33,887	68.5	8.5	8.5	8.9	6,732	2,777	1,903	133.7	13:05	14.8	8/9/22 3:52																
08/09/22																																
08/10/22							8.9	8.5	8.5								8/10/22	14:20	135.0	8,415												
08/11/22	GG	134.0	53,457	47,519	32,443	68.3	8.5	8.5	8.8	5,049	2,001	1,366	134.0	11:25	14.0	8/12/22 1:25																
08/12/22	GG	134.2	52,484	49,867	34,660	69.5	8.7	8.7	9.1	6,732	2,800	1,946	134.2	11:30	13.5	8/13/22 1:01																
08/13/22																																
08/14/22							9.1	8.5	8.5								8/14/22	10:25	134.8	8,415												
08/15/22	CK	133.2	82,942	50,573	35,947	71.1	8.5	8.5	9.0	8,415	3,549	2,523	133.2	13:30	16.2	8/16/22 5:40																
08/16/22																																
08/17/22							9.0	8.5	8.5								8/17/22	14:25	134.0	6,732												
08/18/22	CK	133.7	55,902	39,906	25,004	62.7	8.5	8.5	8.8	5,049	1,680	1,053	133.7	11:15	14.8	8/19/22 2:02																
08/19/22	CK/GG	134.0	54,804	19,065	4,319	22.7	8.8	8.8	9.0	3,366	535	121	134.0	11:15	14.0	8/20/22 1:15																
08/20/22																																
08/21/22							9.0	8.5	8.5								8/21/22	9:55	134.6	8,415												
08/22/22	CK	133.5	83,472	51,674	35,737	69.2	8.5	8.5	9.0	8,415	3,627	2,508	133.5	13:15	15.3	8/23/22 4:34																
08/23/22																																
08/24/22							9.0	8.5	8.5								8/24/22	11:25	135.0	6,732												
08/25/22	GG	134.3	30,035	54,892	37,617	68.5	8.5	8.5	8.7	3,366	1,541	1,056	134.3	9:30	13.3	8/25/22 22:46																
08/26/22	GG	133.7	76,605	51,616	35,143	68.1	8.7	8.7	9.1	6,732	2,898	1,973	133.7	12:30	14.8	8/27/22 3:17																
08/27/22																																
08/28/22							9.1	8.5	8.5								8/28/22	9:45	134.6	10,098												
08/29/22	GG	133.9	79,723	51,175	34,960	68.3	8.5	8.5	8.9	6,732	2,873	1,963	133.9	13:00	14.3	8/30/22 3:15																
08/30/22																																
08/31/22							8.9	8.5	8.5								8/31/22	11:40	134.6	6,732												

SUEZ Middletown WWTP

July

2022

ATAD transfer to SNDR SRT							Centrifuge Data						
Date	Operator	ATAD				SRT	Operator	Centrifuge Feed Gallons	SNDR				
		Total Solids	Transfer Gallons	ATAD Tank	Waste ATAD to SNDR				TS	VS	VS	Discharge	
												TS	VS
												Lbs.	Lbs.
		mg/L	Gallons	Pounds	Pounds	Days			mg/L	mg/L	%	Lbs.	Lbs.
08/01/22													
08/02/22													
08/03/22	GG	34,850	6,732	41,090	1,957	21.00							
08/04/22													
08/05/22													
08/06/22													
08/07/22	GG	33,637	8,415	42,492	2,361	18.00							
08/08/22													
08/09/22													
08/10/22	GG	34,125	8,415	42,630	2,395	17.80	GG/CK	24,992	30,451	17,497	57.5	6347	3647
08/11/22													
08/12/22													
08/13/22													
08/14/22	GG	35,868	8,415	45,814	2,517	18.20							
08/15/22													
08/16/22													
08/17/22	GG	35,612	6,732	44,987	1,999	22.50	CK/GG	27,766	30,444	20,420	67.1	7050	4729
08/18/22													
08/19/22													
08/20/22													
08/21/22	GG	28,765	8,415	36,338	2,019	18.00							
08/22/22													
08/23/22													
08/24/22	GG	36,231	6,732	45,769	2,034	22.50							
08/25/22													
08/26/22													
08/27/22													
08/28/22	GG	36,151	10,098	46,176	3,045	15.17							
08/29/22													
08/30/22													
08/31/22	GG	36,471	6,732	45,560	2,048	22.25	GG/CK	18,012	32,114	18,570	57.8	4824	2790

Centrifuge Monthly Report

2022

[illegible]

PA MIDDLETOWN WWTP

August, 2022

BIOSOLIDS INVENTORY

DATE	DRY TONS		TO	USE	TOTAL ON SITE
	PROCESSED	DELIVERED			
8/1/2022					
8/2/2022					
8/3/2022					
8/4/2022					
8/5/2022					
8/6/2022					
8/7/2022					
8/8/2022					
8/9/2022					
8/10/2022	3.18				211.44
8/11/2022					
8/12/2022					
8/13/2022					
8/14/2022					
8/15/2022					
8/16/2022					
8/17/2022	3.04				214.62
8/18/2022					
8/19/2022					
8/20/2022					
8/21/2022					
8/22/2022					
8/23/2022					
8/24/2022					
8/25/2022					
8/26/2022					
8/27/2022					
8/28/2022					
8/29/2022					
8/30/2022					
8/31/2022	3.21				217.66
Total Tons	9.43	0.00		Total Tons	220.87
Metric Tons	8.55	0.00		Metric Tons	200.33

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	12.68	18.99	11.50	17.23
Aug, 2022	9.43		8.55	
Sep, 2022				
Oct, 2022				
Nov, 2022				
Dec, 2022				
Total	106.00	63.80	96.16	57.88
Average	13.25	12.76	12.02	11.58
Maximum	17.77	18.99	16.12	17.23
Minimum	9.43	5.76	8.55	5.23

PA MIDDLETOWN WWTP

BIOSOLIDS VOLATILE REDUCTION

MONTH August

YEAR 2022

DAY	THICKENER DISCHARGE			SNDR			%
	TS	TVS	VS	TS	TVS	VS	VOL.
	mg/L		%	mg/L		%	REDUCT.
01	55,000	37,950	69	31,000	17,800	57	53.1
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
AVG	55000.00	37950.00	69.00	31000.00	17800.00	57.42	

% SOLIDS REDUCTION	43.64			53.10	%
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REVISED 7/17/14

**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	31.082	1.003	7/17/2022	1.883	7/23/2022	0.800
August	25.208	0.822	8/1/2022	1.030	8/13/2022	0.743
September						
October						
November						
December						
Total	315.176					
Average	39.397	1.301		2.544		0.966
Maximum	60.508	1.952		4.861		1.167
Minimum	25.208	0.822		1.030		0.743

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
221	2	57,159	548	56,611	99.0	0.41	106	3
336	2	71,360	497	70,863	99.3	0.57	120	5
		580,855	7,656	573,199			758	
233	3	72,607	957	71,650	98.6	0.30	95	
336	4	83,688	1,737	82,608	99.3	0.57	175	
148	2	57,159	497	56,611	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	250	4	64,741	907	63,834	98.1
August	371	3	78,904	574	78,330	99.2
September						
October						
November						
December						
Total			563,600	13,534	550,066	
Average	228.7	5.1	70,450	1,692	68,758	97.3
Maximum	371.0	7.9	78,904	3,327	78,330	99.2
Minimum	149.6	2.6	58,485	574	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
0.08	21	0.7	171	1.84	477	2.50	648	<2
0.05	10	0.8	176	2.13	453	2.96	628	<2
	169	7	2,190		5,205		7,409	
0.06	21	1	274	2.01	651	2.85	926	
0.13	55	1	421	2.30	840	3.23	1,206	
0.04	10	1	171	1.67	453	2.31	628	



M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2227654

Report: 08/15/22

Lab Contact: Bradley T Griffiths

Attention: Kodi Webb

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2227654-01

Collected By: Client

Sampled: 08/02/22 07:05

Received: 08/02/22 14:35

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	422	mg/l	2.0	SM 5210 B	08/02/22 16:10	C-37a, C-40	LES
Solids, Total Suspended	290	mg/l	1	SM 2540 D	08/03/22		ALD

Lab ID: 2227654-02

Collected By: Client

Sampled: 08/02/22 08:45

Received: 08/02/22 14:35

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.06	mg/l	0.02	EPA 350.1	08/05/22		MRW
Carbonaceous Biochemical Oxygen Demand	4.3	mg/l	2.0	SM 5210 B	08/02/22 18:17	C-37	LES
Nitrate as N	1.87	mg/l	1.00	EPA 300.0 Rev 2.1	08/02/22 16:56		JAF
Nitrite as N	0.16	mg/l	0.10	EPA 300.0 Rev 2.1	08/02/22 16:56		JAF
Nitrate+Nitrite as N	2.03	mg/l	1.10	CALCULATED	08/02/22 16:56		JAF
Nitrogen, Total	2.58	mg/l	1.60	CALCULATED	08/05/22 3:52		MRW
Nitrogen, Total Kjeldahl (TKN)	0.55	mg/l	0.50	EPA 351.2 Rev 2.0	08/05/22		MRW
Phosphorus as P, Total	0.53	mg/l	0.01	SM 4500-P F	08/05/22		MRW
Solids, Total Suspended	6	mg/l	1	SM 2540 D	08/03/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2227654-03 **Collected By:** Client **Sampled:** 08/02/22 09:00 **Received:** 08/02/22 14:35
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	8/2/22 15:24	8/3/22 14:35		NAK

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2227654-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2H0340	08/05/2022	MRW

Notes and Definitions

- C-37 The dissolved oxygen depletion for the dilution water blank was greater than 0.20mg/L at 0.24mg/L.
C-37a The dissolved oxygen depletion for the dilution water blank was greater than 0.20mg/L at 2.99mg/L.
C-40 The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 0 mg/L.



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

Certificate of Analysis

Laboratory No.: 2227847

Report: 08/11/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2227847-01

Collected By: Client

Sampled: 08/03/22 07:10

Received: 08/03/22 13:58

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	245	mg/l	2.0	SM 5210 B	08/03/22 16:30	Q-18	RXN
Solids, Total Suspended	208	mg/l	1	SM 2540 D	08/04/22		ALD

Lab ID: 2227847-02

Collected By: Client

Sampled: 08/03/22 08:47

Received: 08/03/22 13:58

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	08/05/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/03/22 16:45		KMS
Nitrate as N	1.65	mg/l	1.00	EPA 300.0 Rev 2.1	08/03/22 14:17		JAF
Nitrite as N	0.16	mg/l	0.10	EPA 300.0 Rev 2.1	08/03/22 14:17		JAF
Nitrate+Nitrite as N	1.81	mg/l	1.10	CALCULATED	08/03/22 14:17		JAF
Nitrogen, Total	2.48	mg/l	1.60	CALCULATED	08/08/22 16:38		SNF
Nitrogen, Total Kjeldahl (TKN)	0.67	mg/l	0.50	EPA 351.2 Rev 2.0	08/08/22		SNF
Phosphorus as P, Total	0.40	mg/l	0.01	SM 4500-P F	08/05/22		MRW
Solids, Total Suspended	5	mg/l	1	SM 2540 D	08/04/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2227847-03 **Collected By:** Client **Sampled:** 08/03/22 09:03 **Received:** 08/03/22 13:58
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	8/3/22 15:32	8/4/22 14:59		DRW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2227847-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2H0382	08/05/2022	MRW

Notes and Definitions

Q-18 The duplicate RPD was greater than 20% at 37.6%.



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

Certificate of Analysis

Laboratory No.: 2226761

Report: 08/16/22

Lab Contact: Bradley T Griffiths

Attention: Kodi Webb

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2226761-01

Collected By: Client

Sampled: 08/09/22 07:10

Received: 08/09/22 13:26

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	346	mg/l	2.0	SM 5210 B	08/09/22 18:07		LES
Solids, Total Suspended	477	mg/l	1	SM 2540 D	08/10/22		ALD

Lab ID: 2226761-02

Collected By: Client

Sampled: 08/09/22 08:47

Received: 08/09/22 13:26

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.03	mg/l	0.02	EPA 350.1	08/10/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/10/22 10:00		NKH
Nitrate as N	1.84	mg/l	1.00	EPA 300.0 Rev 2.1	08/09/22 13:48		JAF
Nitrite as N	0.15	mg/l	0.10	EPA 300.0 Rev 2.1	08/09/22 13:48		JAF
Nitrate+Nitrite as N	1.99	mg/l	1.10	CALCULATED	08/09/22 13:48		JAF
Nitrogen, Total	2.95	mg/l	1.60	CALCULATED	08/15/22 17:50		SNF
Nitrogen, Total Kjeldahl (TKN)	0.96	mg/l	0.50	EPA 351.2 Rev 2.0	08/15/22		SNF
Phosphorus as P, Total	0.32	mg/l	0.01	SM 4500-P F	08/10/22		MRW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	08/10/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2226761-03 **Collected By:** Client **Sampled:** 08/09/22 09:12 **Received:** 08/09/22 13:26
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	8/9/22 15:21	8/10/22 14:13		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2226761-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2H0593	08/10/2022	MRW



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

Certificate of Analysis

Laboratory No.: 2228805

Report: 08/17/22

Lab Contact: Bradley T Griffiths

Attention: Kodi Webb

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2228805-01

Collected By: Client

Sampled: 08/10/22 08:40

Received: 08/10/22 14:05

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	08/11/22 12:15		RXN
Solids, Total Suspended	284	mg/l	1	SM 2540 D	08/11/22		ALD

Lab ID: 2228805-02

Collected By: Client

Sampled: 08/10/22 08:20

Received: 08/10/22 14:05

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	08/12/22	C-52	MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/11/22 14:30		RXN
Nitrate as N	1.79	mg/l	1.00	EPA 300.0 Rev 2.1	08/10/22 18:02		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/10/22 18:02		JAF
Nitrate+Nitrite as N	<1.89	mg/l	1.10	CALCULATED	08/10/22 18:02		JAF
Nitrogen, Total	<2.74	mg/l	1.60	CALCULATED	08/15/22 20:41		SNF
Nitrogen, Total Kjeldahl (TKN)	0.85	mg/l	0.50	EPA 351.2 Rev 2.0	08/15/22		SNF
Phosphorus as P, Total	0.34	mg/l	0.01	SM 4500-P F	08/12/22		MRW
Solids, Total Suspended	1	mg/l	1	SM 2540 D	08/11/22		ALD

Lab ID: 2228805-03

Collected By: Client

Sampled: 08/10/22 09:58

Received: 08/10/22 14:05

Sample Desc: Effluent (Grab)

Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	5	/100ml	2	SM 9222 D	8/10/22 14:48	8/11/22 13:50		JMW



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U.S. EPA/PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2230930

Report: 08/24/22

Lab Contact: Bradley T Griffiths

Attention: Kodi Webb

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2230930-01

Collected By: Client

Sampled: 08/16/22 09:07

Received: 08/16/22 13:41

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	286	mg/l	2.0	SM 5210 B	08/17/22 12:32		RXN
Solids, Total Suspended	613	mg/l	1	SM 2540 D	08/17/22		ALD

Lab ID: 2230930-02

Collected By: Client

Sampled: 08/16/22 08:07

Received: 08/16/22 13:41

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	08/17/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/17/22 11:41		ASD
Nitrate as N	1.83	mg/l	1.00	EPA 300.0 Rev 2.1	08/16/22 19:24		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/16/22 19:24		JAF
Nitrate+Nitrite as N	<1.93	mg/l	1.10	CALCULATED	08/16/22 19:24		JAF
Nitrogen, Total	<2.71	mg/l	1.60	CALCULATED	08/22/22 22:15		SNF
Nitrogen, Total Kjeldahl (TKN)	0.78	mg/l	0.50	EPA 351.2 Rev 2.0	08/22/22		SNF
Phosphorus as P, Total	0.65	mg/l	0.01	SM 4500-P F	08/17/22		MRW
Solids, Total Suspended	5	mg/l	1	SM 2540 D	08/17/22		ALD

Lab ID: 2230930-03

Collected By: Client

Sampled: 08/16/22 10:28

Received: 08/16/22 13:41

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	8/16/22 14:29	8/17/22 14:26		JMW



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

Certificate of Analysis

Laboratory No.: 2230743

Report: 08/25/22

Lab Contact: Bradley T Griffiths

Attention: Kodi Webb

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2230743-01

Collected By: Client

Sampled: 08/17/22 08:32

Received: 08/17/22 13:55

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	325	mg/l	2.0	SM 5210 B	08/17/22 15:56		RXN
Solids, Total Suspended	302	mg/l	1	SM 2540 D	08/18/22		ALD

Lab ID: 2230743-02

Collected By: Client

Sampled: 08/17/22 08:09

Received: 08/17/22 13:55

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.04	mg/l	0.02	EPA 350.1	08/19/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/18/22 13:17		KMS
Nitrate as N	1.88	mg/l	1.00	EPA 300.0 Rev 2.1	08/18/22 0:18		JAF
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/18/22 0:18		JAF
Nitrate+Nitrite as N	<1.98	mg/l	1.10	CALCULATED	08/18/22 0:18		JAF
Nitrogen, Total	<2.53	mg/l	1.60	CALCULATED	08/23/22 2:03		SNF
Nitrogen, Total Kjeldahl (TKN)	0.55	mg/l	0.50	EPA 351.2 Rev 2.0	08/23/22		SNF
Phosphorus as P, Total	0.47	mg/l	0.01	SM 4500-P F	08/19/22		MRW
Solids, Total Suspended	1	mg/l	1	SM 2540 D	08/18/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2230743-03 **Collected By:** Client **Sampled:** 08/17/22 10:20 **Received:** 08/17/22 13:55
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	8/17/22 15:13	8/18/22 14:28		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2230743-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2H1180	08/19/2022	MRW



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

Certificate of Analysis

Laboratory No.: 2231715

Report: 08/31/22

Lab Contact: Bradley T Griffiths

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

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2231715-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 08/23/22 07:36 **Received:** 08/23/22 12:32
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	312	mg/l	2.0	SM 5210 B	08/23/22 16:42		LES
Solids, Total Suspended	367	mg/l	1	SM 2540 D	08/25/22		ALD

Lab ID: 2231715-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 08/23/22 08:33 **Received:** 08/23/22 12:32
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.06	mg/l	0.02	EPA 350.1	08/26/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/24/22 11:47	C-37	RXN
Nitrate as N	2.46	mg/l	1.00	EPA 300.0 Rev 2.1	08/23/22 17:15		JAF
Nitrite as N	0.13	mg/l	0.10	EPA 300.0 Rev 2.1	08/23/22 17:15		JAF
Nitrate+Nitrite as N	2.59	mg/l	1.10	CALCULATED	08/23/22 17:15		JAF
Nitrogen, Total	4.38	mg/l	1.60	CALCULATED	08/30/22 0:24		SNF
Nitrogen, Total Kjeldahl (TKN)	1.79	mg/l	0.50	EPA 351.2 Rev 2.0	08/30/22		SNF
Phosphorus as P, Total	0.96	mg/l	0.01	SM 4500-P F	08/26/22		MRW
Solids, Total Suspended	3	mg/l	1	SM 2540 D	08/25/22		ALD



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Lab ID: 2231715-03 **Collected By:** Client **Sampled:** 08/23/22 09:34 **Received:** 08/23/22 12:32
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	8/23/22 15:08	8/24/22 14:06		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2231715-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2H1526	08/25/2022	SNF

Notes and Definitions

C-37 The dissolved oxygen depletion for the dilution water blank was greater than 0.20mg/L at 0.73mg/L.



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

Certificate of Analysis

Laboratory No.: 2232742

Report: 08/31/22

Lab Contact: Bradley T Griffiths

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

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2232742-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 08/24/22 07:33 **Received:** 08/24/22 13:00
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	363	mg/l	2.0	SM 5210 B	08/24/22 11:28	C-37c	RXN
Solids, Total Suspended	256	mg/l	1	SM 2540 D	08/26/22		ALD

Lab ID: 2232742-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 08/24/22 08:39 **Received:** 08/24/22 13:00
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	08/26/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/24/22 16:50	C-37b	ASD
Nitrate as N	2.32	mg/l	1.00	EPA 300.0 Rev 2.1	08/24/22 14:31		JAF
Nitrite as N	0.12	mg/l	0.10	EPA 300.0 Rev 2.1	08/24/22 14:31		JAF
Nitrate+Nitrite as N	2.44	mg/l	1.10	CALCULATED	08/24/22 14:31		JAF
Nitrogen, Total	3.37	mg/l	1.60	CALCULATED	08/30/22 3:49		SNF
Nitrogen, Total Kjeldahl (TKN)	0.93	mg/l	0.50	EPA 351.2 Rev 2.0	08/30/22		SNF
Phosphorus as P, Total	0.84	mg/l	0.01	SM 4500-P F	08/26/22		MRW
Solids, Total Suspended	1	mg/l	1	SM 2540 D	08/26/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2232742-03 **Collected By:** Client **Sampled:** 08/24/22 09:43 **Received:** 08/24/22 13:00
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	8/24/22 15:31	8/25/22 14:35		JMW

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2232742-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2H1597	08/26/2022	MRW

Notes and Definitions

- C-37b The dissolved oxygen depletion for the dilution water blank was greater than 0.20mg/L at 0.75mg/L.
C-37c The dissolved oxygen depletion for the dilution water blank was greater than 0.20mg/L at 0.87 mg/L.



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2233103

Report: 09/12/22

Lab Contact: Bradley T Griffiths

Attention: Kodi Webb

Reported To: Veolia Middletown

453 S. Lawrence St.

Middletown, PA 17057

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2233103-01

Collected By: Client

Sampled: 08/30/22 07:28

Received: 08/30/22 12:57

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	418	mg/l	2.0	SM 5210 B	08/30/22 15:38	C-40c	LES
Solids, Total Suspended	503	mg/l	1	SM 2540 D	08/31/22		ALD

Lab ID: 2233103-02

Collected By: Client

Sampled: 08/30/22 08:33

Received: 08/30/22 12:57

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.04	mg/l	0.02	EPA 350.1 Rev 2.0	09/02/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/30/22 14:44	C-40b	LES
Nitrate as N	2.18	mg/l	1.00	EPA 300.0 Rev 2.1	08/30/22 13:19		JAF
Nitrite as N	0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/30/22 13:19		JAF
Nitrate+Nitrite as N	2.28	mg/l	1.10	CALCULATED	08/30/22 13:19		JAF
Nitrogen, Total	2.96	mg/l	1.60	CALCULATED	09/01/22 23:35		MRW
Nitrogen, Total Kjeldahl (TKN)	0.68	mg/l	0.50	EPA 351.2 Rev 2.0	09/01/22		MRW
Phosphorus as P, Total	0.45	mg/l	0.01	SM 4500-P F	09/02/22		MRW
Solids, Total Suspended	1	mg/l	1	SM 2540 D	08/31/22		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2233103-03 **Collected By:** Client **Sampled:** 08/30/22 09:42 **Received:** 08/30/22 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	8/30/22 15:40	8/31/22 14:52		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2233103-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2I0121	09/02/2022	MRW

Notes and Definitions

- C-40b The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 258 mg/L.
C-40c The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 288 mg/L.



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2233878

Report: 09/07/22

Lab Contact: Bradley T Griffiths

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

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2233878-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 08/31/22 07:32 **Received:** 08/31/22 13:47
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	391	mg/l	2.0	SM 5210 B	08/31/22 18:54	C-40a	ASD
Solids, Total Suspended	413	mg/l	1	SM 2540 D	09/01/22		ALD

Lab ID: 2233878-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 08/31/22 08:49 **Received:** 08/31/22 13:47
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.06	mg/l	0.02	EPA 350.1	09/02/22		MRW
Carbonaceous Biochemical Oxygen Demand	3.1	mg/l	2.0	SM 5210 B	08/31/22 18:41	C-40	ASD
Nitrate as N	2.23	mg/l	1.00	EPA 300.0 Rev 2.1	08/31/22 14:46		JAF
Nitrite as N	0.13	mg/l	0.10	EPA 300.0 Rev 2.1	08/31/22 14:46		JAF
Nitrate+Nitrite as N	2.36	mg/l	1.10	CALCULATED	08/31/22 14:46		JAF
Nitrogen, Total	<2.86	mg/l	1.60	CALCULATED	09/02/22 2:09		MRW
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	09/02/22		MRW
Phosphorus as P, Total	0.71	mg/l	0.01	SM 4500-P F	09/02/22		MRW
Solids, Total Suspended	3	mg/l	1	SM 2540 D	09/01/22		ALD

Lab ID: 2233878-03 **Collected By:** Client
Sample Desc: Effluent (Grab)

Sampled: 08/31/22 11:46 **Received:** 08/31/22 13:47
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	8/31/22 17:02	9/1/22 15:22		RMB



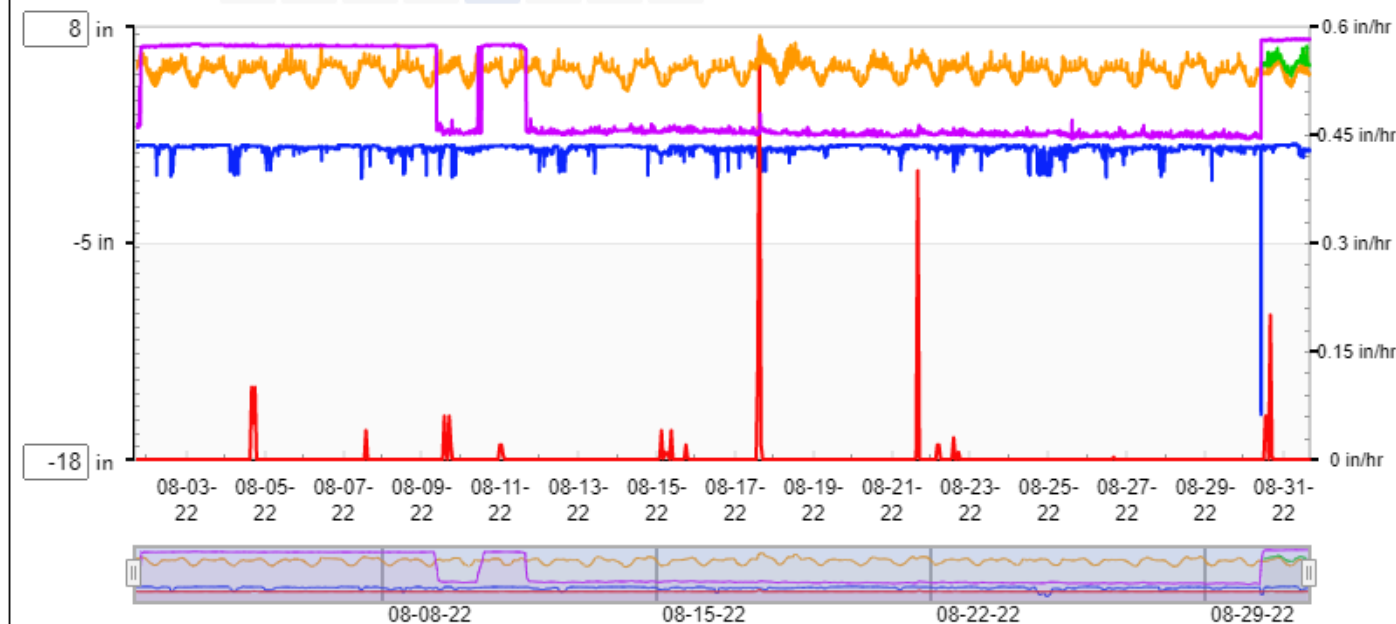
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Window 6h 24h 48h 1w 1m 3m 6m All

2022-08-01 16:08 → 2022-08-31 16:08



Time Period Custom

Date Range 2022-08-01 16:08 - 2022-08-31 16:08

Long Filter No Filter

Update Chart

Download Data

Locations

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

Total: 2.16 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

August, 2022

Maximum Day 1,025,837
Minimum Day 724,042

Days pumped 31

Date	Well No.1	Well No.2	Well No.3	Well No.4	Well No.5	Well No.6	Total	Union Booster
01	161,222	293,010			95,186	246,581	795,999	58,362
02	136,705	280,393			81,460	225,484	724,042	71,725
03	197,063	239,266			116,931	363,635	916,895	104,691
04	144,197	295,997			85,497	267,307	792,998	66,823
05	128,203	295,525			64,139	238,924	726,791	63,556
06	152,387	296,435			90,452	283,853	823,127	96,278
07	159,781	295,609			95,085	297,000	847,475	75,658
08	160,122	294,995			67,989	298,207	821,313	79,644
09	190,916	293,487				349,234	833,637	139,472
10	199,067	291,924				368,533	859,524	69,185
11	180,235	292,287				327,323	799,845	62,175
12	204,699	291,865				376,610	873,174	113,669
13	155,891	292,307				287,097	735,295	59,493
14	161,408	292,535				297,231	751,174	67,012
15	192,058	291,051				353,478	836,587	99,236
16	203,918	290,304				362,770	856,992	86,777
17	177,166	290,437				323,131	790,734	75,616
18	191,089	290,700			106,177	350,203	938,169	114,178
19	148,273	290,912			88,096	272,259	799,540	71,121
20	183,558	290,582			109,137	338,257	921,534	125,583
21	152,947	291,303			91,142	280,758	816,150	68,759
22	152,348	291,026			90,226	281,204	814,804	86,036
23	191,362	289,974			113,704	339,175	934,215	129,823
24	164,148	290,343			97,287	300,026	851,804	83,317
25	193,463	289,368			114,972	354,079	951,882	143,349
26	154,756	290,263			91,810	284,308	821,137	71,573
27	182,931	289,559			108,594	334,963	916,047	123,444
28	177,974	289,230			45,168	324,887	837,259	74,595
29	262,082	286,133				477,622	1,025,837	184,257
30	151,472	288,720			84,143	278,292	802,627	59,623
31	192,388	288,593			114,308	345,918	941,207	146,580
Totals:	5,403,829	8,974,133			1,951,503	9,828,349	26,157,814	2,871,610
Maximum	262,082	296,435			116,931	477,622	1,025,837	184,257
Minimum	128,203	239,266			45,168	225,484	724,042	58,362
Average	174,317	289,488			92,929	317,044	843,800	92,633

	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	
				DS-000: Contractual Weekly Distribution	pH	Temperature	Hardness	Alkalinity (CaCO3)	Calcium	Phosphorus, Total	Silicates	Iron, Total	Manganese, Total	TDS	Specific Conductance	Langlier Index	
3				Date	SU	Deg C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	umhos/Cm2	LSI	
4																	
5	Aug	1 Mon															
6		2 Tue		8-2-22	7.80	25.0	355.0	204.00	113.00	0.06	21.80	<0.02	<0.01	311.00	682.00	7.80	
7		3 Wed															
8		4 Thu															
9		5 Fri															
10		6 Sat															
11		7 Sun															
12		8 Mon															
13		9 Tue		8-9-22	7.90	26.0	348.0	193.00	108.00	0.06	23.20	<0.02	<0.01	327.00	682.00	7.90	
14		10 Wed															
15		11 Thu															
16		12 Fri															
17		13 Sat															
18		14 Sun															
19		15 Mon															
20		16 Tue		8-16-22	7.80	25.0	343.0	197.00	106.00	0.34	20.80	<0.02	<0.01	316.00	724.00	7.80	
21		17 Wed															
22		18 Thu															
23		19 Fri															
24		20 Sat															
25		21 Sun															
26		22 Mon															
27		23 Tue		8-23-22	7.80	25.0	353.0	199.00	110.00	0.06	23.00	<0.02	<0.01	312.00	711.00	7.80	
28		24 Wed															
29		25 Thu															
30		26 Fri															
31		27 Sat															
32		28 Sun															
33		29 Mon															
34		30 Tue		8-30-22	7.90	25.0	362.0	190.00	113.00	0.06	23.20	<0.02	<0.01	319.00	760.00	7.90	
35		31 Wed															
37		MINIMUM		8-16-22	7.80	25.0	343.0	190.00	106.00	0.06	20.80	<0.02	<0.01	311.00	682.00	7.80	
38		MAXIMUM		8-9-22	7.90	26.0	362.0	204.00	113.00	0.34	23.20	<0.02	<0.01	327.00	760.00	7.90	
39		AVERAGE		1	7.84	25.2	352.2	196.60	110.00	0.12	22.40	<0.02	<0.01	317.00	711.80	4.12	
40		SUM		5	39.20	126.0	1,761.0	983.00	550.00	0.58	112.00	<0.10	<0.05	1,585.00	3,559.00	20.62	



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ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2228998

Reported: 08/11/22

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: 2228998-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 08/02/22 08:50 **Received:** 08/02/22 14:35
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	8/3/22 10:18	8/4/22 10:29		NAK	N/A 1

Lab ID: 2228998-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 08/02/22 08:17 **Received:** 08/02/22 14:35
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	8/3/22 10:18	8/4/22 10:29		NAK	N/A 1

Lab ID: 2228998-03 **Collected By:** Client
Sample Desc: 706 North Union Street Standpipe
Notes:

Sampled: 08/02/22 08:31 **Received:** 08/02/22 14:35
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	8/3/22 10:18	8/4/22 10:29		NAK	N/A 1



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ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2228997

Reported: 08/15/22

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: 2228997-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 08/02/22 08:52 **Received:** 08/02/22 14:35
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	204	mg CaCO ₃ /L	2	SM 2320 B	08/10/22		APR	N/A N/A	
Total Hardness as CaCO ₃	355	mg/l	4.56	CALCULATED	08/03/22		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	08/10/22		SNF	N/A N/A	
Silica as SiO ₂	21.8	mg/l	2.14	CALCULATED	08/03/22		HRG	N/A N/A	
Conductivity	682	umhos/cm	1	SM 2510 B	08/05/22		NKH	N/A N/A	
Total Metals									
Calcium	113	mg/l	1	EPA 200.7 Rev 4.4	08/03/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	08/04/22		HRG	N/A 0.3	PASS
Magnesium	17.8	mg/l	0.5	EPA 200.7 Rev 4.4	08/03/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	08/03/22		MPB	N/A 0.05	PASS
Silicon	10.2	mg/l	1.0	EPA 200.7 Rev 4.4	08/03/22		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
2228997-01			
SM 4500-P F	SM 4500-P B	08/09/2022	SNF



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2229937

Reported: 08/12/22

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: 2229937-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 08/09/22 08:35 **Received:** 08/09/22 13:26
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	8/9/22 16:57	8/10/22 12:01		DRW	N/A 1

Lab ID: 2229937-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 08/09/22 08:20 **Received:** 08/09/22 13:26
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	8/9/22 16:57	8/10/22 12:01		DRW	N/A 1



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ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2229936

Reported: 08/18/22

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: 2229936-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 08/09/22 08:50 **Received:** 08/09/22 13:26
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	193	mg CaCO ₃ /L	2	SM 2320 B	08/10/22		APR	N/A N/A	
Total Hardness as CaCO ₃	348	mg/l	4.56	CALCULATED	08/11/22		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	08/13/22		MRW	N/A N/A	
Silica as SiO ₂	23.2	mg/l	2.14	CALCULATED	08/12/22		HRG	N/A N/A	
Conductivity	682	umhos/cm	1	SM 2510 B	08/12/22		LES	N/A N/A	
Total Metals									
Calcium	108	mg/l	1	EPA 200.7 Rev 4.4	08/11/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	08/10/22		HRG	N/A 0.3	PASS
Magnesium	18.9	mg/l	0.5	EPA 200.7 Rev 4.4	08/11/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	08/10/22		HRG	N/A 0.05	PASS
Silicon	10.8	mg/l	1.0	EPA 200.7 Rev 4.4	08/12/22		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
2229936-01			
SM 4500-P F	SM 4500-P B	08/12/2022	MRW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2230932

Reported: 08/21/22

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: 2230932-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 08/16/22 09:19 **Received:** 08/16/22 13:41
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	8/16/22 16:16	8/17/22 10:24		RMB	N/A 1

Lab ID: 2230932-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 08/16/22 08:30 **Received:** 08/16/22 13:41
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	8/16/22 16:16	8/17/22 10:24		RMB	N/A 1

Lab ID: 2230932-03 **Collected By:** Client
Sample Desc: 706 North Union Street Standpipe
Notes:

Sampled: 08/16/22 08:45 **Received:** 08/16/22 13:41
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	8/16/22 16:16	8/17/22 10:24		RMB	N/A 1



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2230931

Reported: 08/26/22

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: 2230931-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 08/16/22 09:21 **Received:** 08/16/22 13:41
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	08/18/22		APR	N/A N/A	
Total Hardness as CaCO ₃	343	mg/l	4.56	CALCULATED	08/17/22		HRG	N/A N/A	
Phosphorus as P, Total	0.34	mg/l	0.01	SM 4500-P F	08/20/22		MRW	N/A N/A	
Silica as SiO ₂	20.8	mg/l	2.14	CALCULATED	08/17/22		HRG	N/A N/A	
Conductivity	724	umhos/cm	1	SM 2510 B	08/22/22		RXN	N/A N/A	
Total Metals									
Calcium	106	mg/l	1	EPA 200.7 Rev 4.4	08/17/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	08/18/22		HRG	N/A 0.3	PASS
Magnesium	19.0	mg/l	0.5	EPA 200.7 Rev 4.4	08/17/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	08/17/22		MPB	N/A 0.05	PASS
Silicon	9.7	mg/l	1.0	EPA 200.7 Rev 4.4	08/17/22		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
2230931-01			
SM 4500-P F	SM 4500-P B	08/19/2022	MRW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2231892

Reported: 08/29/22

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: 2231892-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 08/23/22 08:33 **Received:** 08/23/22 12:32
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	8/23/22 16:45	8/24/22 11:00		RMB	N/A 1

Lab ID: 2231892-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 08/23/22 08:19 **Received:** 08/23/22 12:32
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	8/23/22 16:45	8/24/22 11:00		RMB	N/A 1



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2231892

Reported: 08/29/22

Lab Contact: Christina M Kistler

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

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

Lab ID: 2231892-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 08/23/22 08:33 **Received:** 08/23/22 12:32
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	8/23/22 16:45	8/24/22 11:00		RMB	N/A 1

Lab ID: 2231892-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 08/23/22 08:19 **Received:** 08/23/22 12:32
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	8/23/22 16:45	8/24/22 11:00		RMB	N/A 1



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ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2233102

Reported: 09/12/22

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: 2233102-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 08/30/22 09:04 **Received:** 08/30/22 12:57
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	190	mg CaCO ₃ /L	2	SM 2320 B	09/01/22		APR	N/A N/A	
Total Hardness as CaCO ₃	362	mg/l	4.56	CALCULATED	09/01/22		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	09/01/22		MRW	N/A N/A	
Silica as SiO ₂	23.2	mg/l	2.14	CALCULATED	09/02/22		HRG	N/A N/A	
Conductivity	760	umhos/cm	1	SM 2510 B	09/01/22		NKH	N/A N/A	
Total Metals									
Calcium	113	mg/l	1	EPA 200.7 Rev 4.4	09/01/22		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	09/02/22		HRG	N/A 0.3	PASS
Magnesium	19.2	mg/l	0.5	EPA 200.7 Rev 4.4	09/01/22		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	08/31/22		MPB	N/A 0.05	PASS
Silicon	10.8	mg/l	1.0	EPA 200.7 Rev 4.4	09/02/22		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
2233102-01			
SM 4500-P F	SM 4500-P B	08/31/2022	SNF



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**M.J. Reider Associates, Inc.**ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003**Certificate of Analysis****Laboratory No.:** 2228994**Reported:** 08/29/22**Lab Contact:** Christina M Kistler**Attention:** Chris Hannan
Reported To: Veolia Middletown
453 S. Lawrence St.
Middletown, PA 17057**Project:** DW-Annual TTHM&HAA5 Aug 6
7220038**Lab ID:** 2228994-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:**Sampled:** 08/03/22 08:31 **Received:** 08/03/22 13:58
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 701

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Organics									
Bromoacetic acid	<0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/16/22		TWH	N/A	N/A
Chloroacetic Acid	<0.002	mg/l	0.002	EPA 552.2 Rev 1.0	08/16/22		TWH	N/A	N/A
Dibromoacetic Acid	0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/16/22		TWH	N/A	N/A
Dichloroacetic Acid	0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/16/22		TWH	N/A	N/A
Total Haloacetic Acids (HAA)	0.00224	mg/l	0.00100	CALCULATED	08/16/22		TWH	N/A	0.06
Trichloroacetic Acid	<0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/16/22		TWH	N/A	N/A
Surrogates									
2,3-Dibromopropionic acid	128%		70-130	EPA 552.2 Rev 1.0	08/16/22		TWH		
Volatiles									
Bromodichloromethane	0.0026	mg/l	0.0005	EPA 524.2 Rev 4.1	08/12/22	V-06	WJS	N/A	N/A
Bromoform	0.0008	mg/l	0.0005	EPA 524.2 Rev 4.1	08/12/22	V-06	WJS	N/A	N/A
Chloroform	0.0024	mg/l	0.0005	EPA 524.2 Rev 4.1	08/12/22	V-06	WJS	N/A	N/A
Dibromochloromethane	0.0024	mg/l	0.0005	EPA 524.2 Rev 4.1	08/12/22	V-06	WJS	N/A	N/A
Total Trihalomethanes (TTHMs)	0.00830	mg/l	0.000500	CALCULATED	08/12/22		WJS	N/A	0.08

Lab ID: 2228994-02 **Collected By:** Client **Sampled:** 08/03/22 08:12 **Received:** 08/03/22 13:58
Sample Desc: 707 West Main Street Sample Hydrant **PADEP Type:** D-Distribution
Notes: **PWSID:** 7220038 **Loc ID:** 707

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Organics									
Bromoacetic acid	<0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/16/22		TWH	N/A	N/A
Chloroacetic Acid	<0.002	mg/l	0.002	EPA 552.2 Rev 1.0	08/16/22		TWH	N/A	N/A
Dibromoacetic Acid	0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/16/22		TWH	N/A	N/A
Dichloroacetic Acid	0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/16/22		TWH	N/A	N/A
Total Haloacetic Acids (HAA)	0.00268	mg/l	0.00100	CALCULATED	08/16/22		TWH	N/A	0.06



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Lab ID: 2228994-02 Continued

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max
Organics								
Trichloroacetic Acid	<0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/16/22		TWH	N/A N/A
Surrogates								
2,3-Dibromopropionic acid	104%		70-130	EPA 552.2 Rev 1.0	08/16/22		TWH	
Volatiles								
Bromodichloromethane	0.0039	mg/l	0.0005	EPA 524.2 Rev 4.1	08/12/22		WJS	N/A N/A
Bromoform	0.0018	mg/l	0.0005	EPA 524.2 Rev 4.1	08/12/22		WJS	N/A N/A
Chloroform	0.0025	mg/l	0.0005	EPA 524.2 Rev 4.1	08/12/22		WJS	N/A N/A
Dibromochloromethane	0.0040	mg/l	0.0005	EPA 524.2 Rev 4.1	08/12/22		WJS	N/A N/A
Total Trihalomethanes (TTHMs)	0.0122	mg/l	0.000500	CALCULATED	08/12/22		WJS	N/A 0.08

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2228994-01			
EPA 552.2 Rev 1.0	EPA 552.2 Rev 1.0	08/15/2022	ECC
2228994-02			
EPA 552.2 Rev 1.0	EPA 552.2 Rev 1.0	08/15/2022	ECC

Notes and Definitions

V-06 The following primary contaminant(s) were identified but not requested: Trichloroethene (TCE)



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ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2228996

Reported: 08/16/22

Lab Contact: Christina M Kistler

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

Project: DW-Quarterly VOCS
7220038

Lab ID: 2228996-02 **Collected By:** Client
Sample Desc: 106 Entry Point Well #6

Sampled: 08/02/22 07:43 **Received:** 08/02/22 14:35
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
Volatiles									
1,1,1-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.2	PASS
1,1,2-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.005	PASS
1,1-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.007	PASS
1,2,4-Trichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.07	PASS
1,2-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.6	PASS
1,2-Dichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.005	PASS
1,2-Dichloropropane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.005	PASS
1,4-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.075	PASS
Benzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.005	PASS
Carbon Tetrachloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.005	PASS
Chlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.1	PASS
Cis-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.07	PASS
Ethylbenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.7	PASS
Methylene Chloride (Dichloromethane)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.005	PASS
Styrene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.1	PASS
Tetrachloroethene (PCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.005	PASS
Toluene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 1	PASS
Trans-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.1	PASS
Trichloroethene (TCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.005	PASS
Vinyl Chloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 0.002	PASS
Xylenes, Total	<0.0010	mg/l	0.0010	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS	N/A 10	PASS
Surrogates									
1,2-Dichlorobenzene-d4	92.8%		70-130	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS		
4-Bromofluorobenzene	103%		70-130	EPA 524.2 Rev 4.1	08/09/22	V-06	WJS		



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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	1013	FREE CHLORINE	301	1.13	080122	100		080122	E	1138	22604		HANNANJ_1
7220038	1013	FREE CHLORINE	301	1.13	080222	100		080222	E	1309	22604		HANNANJ_2
7220038	1013	FREE CHLORINE	301	1.08	080322	100		080322	E	0751	22604		HANNANJ_3
7220038	1013	FREE CHLORINE	301	1.31	080422	100		080422	E	1705	22604		HANNANJ_4
7220038	1013	FREE CHLORINE	301	1.26	080522	100		080522	E	1016	22604		HANNANJ_5
7220038	1013	FREE CHLORINE	301	1.27	080622	100		080622	E	0956	22604		HANNANJ_6
7220038	1013	FREE CHLORINE	301	1.26	080722	100		080722	E	0911	22604		HANNANJ_7
7220038	1013	FREE CHLORINE	301	1.27	080822	100		080822	E	1153	22604		HANNANJ_8
7220038	1013	FREE CHLORINE	301	1.23	080922	100		080922	E	1017	22604		HANNANJ_9
7220038	1013	FREE CHLORINE	301	1.27	081022	100		081022	E	1658	22604		HANNANJ_10
7220038	1013	FREE CHLORINE	301	1.23	081122	100		081122	E	1126	22604		HANNANJ_11
7220038	1013	FREE CHLORINE	301	1.23	081222	100		081222	E	1017	22604		HANNANJ_12
7220038	1013	FREE CHLORINE	301	1.23	081322	100		081322	E	2054	22604		HANNANJ_13
7220038	1013	FREE CHLORINE	301	1.22	081422	100		081422	E	1032	22604		HANNANJ_14
7220038	1013	FREE CHLORINE	301	1.18	081522	100		081522	E	1557	22604		HANNANJ_15
7220038	1013	FREE CHLORINE	301	1.17	081622	100		081622	E	0753	22604		HANNANJ_16
7220038	1013	FREE CHLORINE	301	1.17	081722	100		081722	E	1106	22604		HANNANJ_17
7220038	1013	FREE CHLORINE	301	1.27	081822	100		081822	E	0929	22604		HANNANJ_18
7220038	1013	FREE CHLORINE	301	1.26	081922	100		081922	E	1415	22604		HANNANJ_19
7220038	1013	FREE CHLORINE	301	1.27	082022	100		082022	E	1103	22604		HANNANJ_20
7220038	1013	FREE CHLORINE	301	1.27	082122	100		082122	E	1922	22604		HANNANJ_21
7220038	1013	FREE CHLORINE	301	1.22	082222	100		082222	E	0824	22604		HANNANJ_22
7220038	1013	FREE CHLORINE	301	1.22	082322	100		082322	E	0909	22604		HANNANJ_23

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SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE	301	1.23	082422	100		082422	E	1034	22604		HANNANJ_24
7220038	1013	FREE CHLORINE	301	1.23	082522	100		082522	E	0958	22604		HANNANJ_25
7220038	1013	FREE CHLORINE	301	1.23	082622	100		082622	E	1110	22604		HANNANJ_26
7220038	1013	FREE CHLORINE	301	1.23	082722	100		082722	E	1030	22604		HANNANJ_27
7220038	1013	FREE CHLORINE	301	1.23	082822	100		082822	E	1804	22604		HANNANJ_28
7220038	1013	FREE CHLORINE	301	1.23	082922	100		082922	E	0933	22604		HANNANJ_29
7220038	1013	FREE CHLORINE	301	1.23	083022	100		083022	E	1901	22604		HANNANJ_30
7220038	1013	FREE CHLORINE	301	1.17	083122	100		083122	E	1010	22604		HANNANJ_31
7220038	1013	FREE CHLORINE	301	0.82	080122	102		080122	E	1355	22604		HANNANJ_32
7220038	1013	FREE CHLORINE	301	0.69	080222	102		080222	E	2207	22604		HANNANJ_33
7220038	1013	FREE CHLORINE	301	0.59	080322	102		080322	E	0552	22604		HANNANJ_34
7220038	1013	FREE CHLORINE	301	1.34	080422	102		080422	E	1142	22604		HANNANJ_35
7220038	1013	FREE CHLORINE	301	1.31	080522	102		080522	E	1501	22604		HANNANJ_36
7220038	1013	FREE CHLORINE	301	1.26	080622	102		080622	E	0445	22604		HANNANJ_37
7220038	1013	FREE CHLORINE	301	1.29	080722	102		080722	E	1933	22604		HANNANJ_38
7220038	1013	FREE CHLORINE	301	1.26	080822	102		080822	E	1906	22604		HANNANJ_39
7220038	1013	FREE CHLORINE	301	1.26	080922	102		080922	E	2229	22604		HANNANJ_40
7220038	1013	FREE CHLORINE	301	1.24	081022	102		081022	E	1610	22604		HANNANJ_41
7220038	1013	FREE CHLORINE	301	1.2	081122	102		081122	E	2359	22604		HANNANJ_42
7220038	1013	FREE CHLORINE	301	1.18	081222	102		081222	E	1401	22604		HANNANJ_43

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SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE	301	1.18	081322	102		081322	E	2359	22604		HANNANJ_44
7220038	1013	FREE CHLORINE	301	1.15	081422	102		081422	E	2039	22604		HANNANJ_45
7220038	1013	FREE CHLORINE	301	1.15	081522	102		081522	E	1854	22604		HANNANJ_46
7220038	1013	FREE CHLORINE	301	1.14	081622	102		081622	E	2016	22604		HANNANJ_47
7220038	1013	FREE CHLORINE	301	1.14	081722	102		081722	E	1422	22604		HANNANJ_48
7220038	1013	FREE CHLORINE	301	1.26	081822	102		081822	E	1716	22604		HANNANJ_49
7220038	1013	FREE CHLORINE	301	1.24	081922	102		081922	E	1721	22604		HANNANJ_50
7220038	1013	FREE CHLORINE	301	1.22	082022	102		082022	E	0046	22604		HANNANJ_51
7220038	1013	FREE CHLORINE	301	1.22	082122	102		082122	E	2230	22604		HANNANJ_52
7220038	1013	FREE CHLORINE	301	1.2	082222	102		082222	E	1721	22604		HANNANJ_53
7220038	1013	FREE CHLORINE	301	1.18	082322	102		082322	E	1804	22604		HANNANJ_54
7220038	1013	FREE CHLORINE	301	1.18	082422	102		082422	E	2359	22604		HANNANJ_55
7220038	1013	FREE CHLORINE	301	1.16	082522	102		082522	E	1927	22604		HANNANJ_56
7220038	1013	FREE CHLORINE	301	1.13	082622	102		082622	E	1815	22604		HANNANJ_57
7220038	1013	FREE CHLORINE	301	1.14	082722	102		082722	E	1935	22604		HANNANJ_58
7220038	1013	FREE CHLORINE	301	1.12	082822	102		082822	E	1419	22604		HANNANJ_59
7220038	1013	FREE CHLORINE	301	1.08	082922	102		082922	E	1353	22604		HANNANJ_60
7220038	1013	FREE CHLORINE	301	1.08	083022	102		083022	E	0628	22604		HANNANJ_61
7220038	1013	FREE CHLORINE	301	1.06	083122	102		083122	E	2102	22604		HANNANJ_62
7220038	1013	FREE CHLORINE				103		080122	N				HANNANJ_63

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SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE				103		080222	N				HANNANJ_64
7220038	1013	FREE CHLORINE				103		080322	N				HANNANJ_65
7220038	1013	FREE CHLORINE				103		080422	N				HANNANJ_66
7220038	1013	FREE CHLORINE				103		080522	N				HANNANJ_67
7220038	1013	FREE CHLORINE				103		080622	N				HANNANJ_68
7220038	1013	FREE CHLORINE				103		080722	N				HANNANJ_69
7220038	1013	FREE CHLORINE				103		080822	N				HANNANJ_70
7220038	1013	FREE CHLORINE				103		080922	N				HANNANJ_71
7220038	1013	FREE CHLORINE				103		081022	N				HANNANJ_72
7220038	1013	FREE CHLORINE				103		081122	N				HANNANJ_73
7220038	1013	FREE CHLORINE				103		081222	N				HANNANJ_74
7220038	1013	FREE CHLORINE				103		081322	N				HANNANJ_75
7220038	1013	FREE CHLORINE				103		081422	N				HANNANJ_76
7220038	1013	FREE CHLORINE				103		081522	N				HANNANJ_77
7220038	1013	FREE CHLORINE				103		081622	N				HANNANJ_78
7220038	1013	FREE CHLORINE				103		081722	N				HANNANJ_79
7220038	1013	FREE CHLORINE				103		081822	N				HANNANJ_80
7220038	1013	FREE CHLORINE				103		081922	N				HANNANJ_81
7220038	1013	FREE CHLORINE				103		082022	N				HANNANJ_82
7220038	1013	FREE CHLORINE				103		082122	N				HANNANJ_83

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SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE				103		082222	N				HANNANJ_84
7220038	1013	FREE CHLORINE				103		082322	N				HANNANJ_85
7220038	1013	FREE CHLORINE				103		082422	N				HANNANJ_86
7220038	1013	FREE CHLORINE				103		082522	N				HANNANJ_87
7220038	1013	FREE CHLORINE				103		082622	N				HANNANJ_88
7220038	1013	FREE CHLORINE				103		082722	N				HANNANJ_89
7220038	1013	FREE CHLORINE				103		082822	N				HANNANJ_90
7220038	1013	FREE CHLORINE				103		082922	N				HANNANJ_91
7220038	1013	FREE CHLORINE				103		083022	N				HANNANJ_92
7220038	1013	FREE CHLORINE				103		083122	N				HANNANJ_93
7220038	1013	FREE CHLORINE				104		080122	N				HANNANJ_94
7220038	1013	FREE CHLORINE				104		080222	N				HANNANJ_95
7220038	1013	FREE CHLORINE				104		080322	N				HANNANJ_96
7220038	1013	FREE CHLORINE				104		080422	N				HANNANJ_97
7220038	1013	FREE CHLORINE				104		080522	N				HANNANJ_98
7220038	1013	FREE CHLORINE				104		080622	N				HANNANJ_99
7220038	1013	FREE CHLORINE				104		080722	N				HANNANJ_100
7220038	1013	FREE CHLORINE				104		080822	N				HANNANJ_101
7220038	1013	FREE CHLORINE				104		080922	N				HANNANJ_102
7220038	1013	FREE CHLORINE				104		081022	N				HANNANJ_103

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SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE				104		081122	N				HANNANJ_104
7220038	1013	FREE CHLORINE				104		081222	N				HANNANJ_105
7220038	1013	FREE CHLORINE				104		081322	N				HANNANJ_106
7220038	1013	FREE CHLORINE				104		081422	N				HANNANJ_107
7220038	1013	FREE CHLORINE				104		081522	N				HANNANJ_108
7220038	1013	FREE CHLORINE				104		081622	N				HANNANJ_109
7220038	1013	FREE CHLORINE				104		081722	N				HANNANJ_110
7220038	1013	FREE CHLORINE				104		081822	N				HANNANJ_111
7220038	1013	FREE CHLORINE				104		081922	N				HANNANJ_112
7220038	1013	FREE CHLORINE				104		082022	N				HANNANJ_113
7220038	1013	FREE CHLORINE				104		082122	N				HANNANJ_114
7220038	1013	FREE CHLORINE				104		082222	N				HANNANJ_115
7220038	1013	FREE CHLORINE				104		082322	N				HANNANJ_116
7220038	1013	FREE CHLORINE				104		082422	N				HANNANJ_117
7220038	1013	FREE CHLORINE				104		082522	N				HANNANJ_118
7220038	1013	FREE CHLORINE				104		082622	N				HANNANJ_119
7220038	1013	FREE CHLORINE				104		082722	N				HANNANJ_120
7220038	1013	FREE CHLORINE				104		082822	N				HANNANJ_121
7220038	1013	FREE CHLORINE				104		082922	N				HANNANJ_122
7220038	1013	FREE CHLORINE				104		083022	N				HANNANJ_123

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SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE				104		083122	N				HANNANJ_124
7220038	1013	FREE CHLORINE	301	1.0	080122	105		080122	E	1843	22604		HANNANJ_125
7220038	1013	FREE CHLORINE	301	0.9	080222	105		080222	E	2042	22604		HANNANJ_126
7220038	1013	FREE CHLORINE	301	0.85	080322	105		080322	E	0753	22604		HANNANJ_127
7220038	1013	FREE CHLORINE	301	0.7	080422	105		080422	E	2359	22604		HANNANJ_128
7220038	1013	FREE CHLORINE	301	0.65	080522	105		080522	E	1103	22604		HANNANJ_129
7220038	1013	FREE CHLORINE	301	0.65	080622	105		080622	E	1906	22604		HANNANJ_130
7220038	1013	FREE CHLORINE	301	0.6	080722	105		080722	E	0920	22604		HANNANJ_131
7220038	1013	FREE CHLORINE	301	0.6	080822	105		080822	E	1830	22604		HANNANJ_132
7220038	1013	FREE CHLORINE				105		080922	N				HANNANJ_133
7220038	1013	FREE CHLORINE				105		081022	N				HANNANJ_134
7220038	1013	FREE CHLORINE				105		081122	N				HANNANJ_135
7220038	1013	FREE CHLORINE				105		081222	N				HANNANJ_136
7220038	1013	FREE CHLORINE				105		081322	N				HANNANJ_137
7220038	1013	FREE CHLORINE				105		081422	N				HANNANJ_138
7220038	1013	FREE CHLORINE				105		081522	N				HANNANJ_139
7220038	1013	FREE CHLORINE				105		081622	N				HANNANJ_140
7220038	1013	FREE CHLORINE				105		081722	N				HANNANJ_141
7220038	1013	FREE CHLORINE	301	0.95	081822	105		081822	E	0748	22604		HANNANJ_142
7220038	1013	FREE CHLORINE	301	1.05	081922	105		081922	E	0753	22604		HANNANJ_143

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SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE	301	1.1	082022	105		082022	E	0907	22604		HANNANJ_144
7220038	1013	FREE CHLORINE	301	1.15	082122	105		082122	E	1752	22604		HANNANJ_145
7220038	1013	FREE CHLORINE	301	1.1	082222	105		082222	E	0655	22604		HANNANJ_146
7220038	1013	FREE CHLORINE	301	1.1	082322	105		082322	E	0739	22604		HANNANJ_147
7220038	1013	FREE CHLORINE	301	1.1	082422	105		082422	E	2138	22604		HANNANJ_148
7220038	1013	FREE CHLORINE	301	1.06	082522	105		082522	E	0807	22604		HANNANJ_149
7220038	1013	FREE CHLORINE	301	1.1	082622	105		082622	E	2315	22604		HANNANJ_150
7220038	1013	FREE CHLORINE	301	1.05	082722	105		082722	E	0841	22604		HANNANJ_151
7220038	1013	FREE CHLORINE	301	0.55	082822	105		082822	E	1700	22604		HANNANJ_152
7220038	1013	FREE CHLORINE				105		082922	N				HANNANJ_153
7220038	1013	FREE CHLORINE	301	1.0	083022	105		083022	E	1115	22604		HANNANJ_154
7220038	1013	FREE CHLORINE	301	0.95	083122	105		083122	E	0941	22604		HANNANJ_155
7220038	1013	FREE CHLORINE	301	0.7	080122	106		080122	E	1314	22604		HANNANJ_156
7220038	1013	FREE CHLORINE	301	0.85	080222	106		080222	E	0733	22604		HANNANJ_157
7220038	1013	FREE CHLORINE	301	1.2	080322	106		080322	E	0844	22604		HANNANJ_158
7220038	1013	FREE CHLORINE	301	1.35	080422	106		080422	E	1057	22604		HANNANJ_159
7220038	1013	FREE CHLORINE	301	1.2	080522	106		080522	E	1115	22604		HANNANJ_160
7220038	1013	FREE CHLORINE	301	1.25	080622	106		080622	E	1804	22604		HANNANJ_161
7220038	1013	FREE CHLORINE	301	1.2	080722	106		080722	E	1027	22604		HANNANJ_162
7220038	1013	FREE CHLORINE	301	1.25	080822	106		080822	E	1703	22604		HANNANJ_163

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SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE	301	1.15	080922	106		080922	E	1025	22604		HANNANJ_164
7220038	1013	FREE CHLORINE	301	1.15	081022	106		081022	E	2334	22604		HANNANJ_165
7220038	1013	FREE CHLORINE	301	1.15	081122	106		081122	E	2046	22604		HANNANJ_166
7220038	1013	FREE CHLORINE	301	1.15	081222	106		081222	E	1958	22604		HANNANJ_167
7220038	1013	FREE CHLORINE	301	1.1	081322	106		081322	E	1228	22604		HANNANJ_168
7220038	1013	FREE CHLORINE	301	1.1	081422	106		081422	E	1810	22604		HANNANJ_169
7220038	1013	FREE CHLORINE	301	1.1	081522	106		081522	E	0829	22604		HANNANJ_170
7220038	1013	FREE CHLORINE	301	1.2	081622	106		081622	E	0806	22604		HANNANJ_171
7220038	1013	FREE CHLORINE	301	1.15	081722	106		081722	E	1106	22604		HANNANJ_172
7220038	1013	FREE CHLORINE	301	1.35	081822	106		081822	E	0902	22604		HANNANJ_173
7220038	1013	FREE CHLORINE	301	1.4	081922	106		081922	E	1406	22604		HANNANJ_174
7220038	1013	FREE CHLORINE	301	1.45	082022	106		082022	E	1906	22604		HANNANJ_175
7220038	1013	FREE CHLORINE	301	1.4	082122	106		082122	E	1906	22604		HANNANJ_176
7220038	1013	FREE CHLORINE	301	1.4	082222	106		082222	E	2207	22604		HANNANJ_177
7220038	1013	FREE CHLORINE	301	1.4	082322	106		082322	E	2245	22604		HANNANJ_178
7220038	1013	FREE CHLORINE	301	1.3	082422	106		082422	E	1002	22604		HANNANJ_179
7220038	1013	FREE CHLORINE	301	1.35	082522	106		082522	E	1818	22604		HANNANJ_180
7220038	1013	FREE CHLORINE	301	1.35	082622	106		082622	E	2313	22604		HANNANJ_181
7220038	1013	FREE CHLORINE	301	1.35	082722	106		082722	E	1811	22604		HANNANJ_182
7220038	1013	FREE CHLORINE	301	1.35	082822	106		082822	E	1744	22604		HANNANJ_183

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	1013	FREE CHLORINE	301	1.35	082922	106		082922	E	1747	22604		HANNANJ_184
7220038	1013	FREE CHLORINE	301	1.35	083022	106		083022	E	1835	22604		HANNANJ_185
7220038	1013	FREE CHLORINE	301	1.3	083122	106		083122	E	1040	22604		HANNANJ_186
7220038	1013	FREE CHLORINE	301	0.71	080222	701		080222	D	0850	22604		HANNANJ_187
7220038	1013	FREE CHLORINE	301	0.83	081622	701		081622	D	0919	22604		HANNANJ_192
7220038	1013	FREE CHLORINE	301	0.32	080222	703		080222	D	0817	22604		HANNANJ_188
7220038	1013	FREE CHLORINE	301	0.82	081622	703		081622	D	0830	22604		HANNANJ_193
7220038	1013	FREE CHLORINE	301	0.42	080922	704		080922	D	0835	22604		HANNANJ_190
7220038	1013	FREE CHLORINE	301	1.1	082322	704		082322	D	0833	22604		HANNANJ_195
7220038	1013	FREE CHLORINE	301	1.0	080922	705		080922	D	0820	22604		HANNANJ_191
7220038	1013	FREE CHLORINE	301	1.31	082322	705		082322	D	0819	22604		HANNANJ_196
7220038	1013	FREE CHLORINE	301	0.34	080222	706		080222	D	0831	22604		HANNANJ_189
7220038	1013	FREE CHLORINE	301	0.61	081622	706		081622	D	0845	22604		HANNANJ_194
7220038	1013	FREE CHLORINE	301	0.85	083022	707		083022	D	0841	22604		HANNANJ_197



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

Tue, Sep 6, 2022 at 10:06 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 100 Well No 1 (5).xls	HANNANJ	HANNANJ_1 through HANNANJ_31

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

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

Tue, Sep 6, 2022 at 10:07 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 102 Well No 2 (5).xls	HANNANJ	HANNANJ_32 through HANNANJ_62

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us>
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Tue, Sep 6, 2022 at 10:07 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 103 Well No 3 (5).xls	HANNANJ	HANNANJ_63 through HANNANJ_93

[Quoted text hidden]

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

Tue, Sep 6, 2022 at 10:08 AM

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 104 Well No 4 (5).xls	HANNANJ	HANNANJ_94 through HANNANJ_124

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us>
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Tue, Sep 6, 2022 at 10:09 AM

HANNANJ uploaded a file successfully to DWELR.

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

[Quoted text hidden]

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

Tue, Sep 6, 2022 at 10:09 AM

HANNANJ uploaded a file successfully to DWELR.

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

[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

Tue, Sep 6, 2022 at 10:15 AM

HANNANJ successfully added data to DWELR on 09/06/22 at 10:21 AM. Form: SDWA1.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_187	701	080222
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_188	703	080222
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_189	706	080222
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_190	704	080922
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_191	705	080922
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_192	701	081622
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_193	703	081622
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_194	706	081622
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_195	704	082322
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_196	705	082322
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_197	707	083022

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.

MIDDLETOWN MONTHLY REPORT

APPENDIX 3 CUSTOMER SERVICE

MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS

&

HOMESERVE REPORT

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	2,716	167,736.93	669,532.66	837,269.59	NEW ACCOUNTS: 24
DISCONNECTED ACCTS:	19	1,362.10	1,202.83	2,564.93	DISCONNECT--NO TRF: 19
FINALED ACCOUNTS:	334	11,464.25		11,464.25	DISCONNECT-TRANSFER: 0
INACTIVE ACCOUNTS:	12,337	0.00		0.00	

GRAND TOTALS 15,406 180,563.28 670,735.49 851,298.77

CALCULATION SUMMARY

TOTAL CHARGES:	670,735.49
DEPOSIT RETURNS:	0.00
TOTAL CURRENT:	670,735.49

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

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
S SEWER	2653	359,912.24	0.00	0.00	0.00	15546,500.0000		15546,500.0000
SR SURCHARGE	3	0.00	0.00	0.00	0.00			
SR2 SURCHARGE 2	2702	86,219.48	0.00	0.00	0.00			
W WATER	5359	224,603.77	0.00	0.00	0.00	19375,800.0000		19375,800.0000
TOTALS		670,735.49	0.00	0.00	0.00			

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

R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
SERVICES:		
200-WTR MDT	687-145900	78,330.03
203-WTR MDT COMMERCIAL	687-145900	83,882.84
206-CUSTOMER CHARGE	687-145900	10,937.71
207-SERVICE CHG / METER	687-145900	43,037.94
210-WTR ROYAL	687-145900	8,336.50
220-WTR L SWT	687-145900	78.75
230-SURCHARGE WATER/SEWER	687-145900	0.00
231-SURCHARGE WATER/SEWER	687-145900	86,219.48
300-SWR MDT	687-145800	303,025.77
306-SW CUST CHARGE	687-145800	56,886.47
310-SWR ROYAL	687-145800	0.00
320-SWR L SWT	687-145800	0.00

R/C TOTALS 670,735.49

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

CAT	CODE	TBL	DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
S	300	LST	SEWER -LWR SW TWP	LST	1	0.00	0.00	0.00	0.00		
S	300	RB	SEWER -ROYALTON	RB	1	0.00	0.00	0.00	0.00		
S	300	SW	SEWER	SW	2651	359,912.24	0.00	0.00	0.00	15,546,500.0000	799

===== 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	3	0.00	0.00	0.00	0.00		
SR2	231	SR2	SURCHARGE WATER/SEWE	SR2	2702	86,219.48	0.00	0.00	0.00		
W	200	C10	COMM 1" MTR	C10	35	4,251.66	0.00	0.00	0.00	380,800.0000	
W	200	C15	COMM 1 1/2" MTR	C15	9	6,272.39	0.00	0.00	0.00	658,900.0000	
W	200	C20	COMM 2" MTR	C20	22	15,795.92	0.00	0.00	0.00	1,658,600.0000	
W	200	C30	COMM 3" MTR	C30	5	6,198.43	0.00	0.00	0.00	657,900.0000	
W	200	C40	COMM 4" MTR	C40	2	224.70	0.00	0.00	0.00	17,000.0000	
W	200	C58	COMM 5/8" MTR	C58	10	571.30	0.00	0.00	0.00	40,500.0000	
W	200	C60	COMM 6" MTR	C60	13	49,443.95	0.00	0.00	0.00	5,311,900.0000	
W	200	C75	COMM 3/4" MTR	C75	2	364.58	0.00	0.00	0.00	35,200.0000	
W	200	C80	COMM 8" MTR	C80	4	3,484.40	0.00	0.00	0.00	356,900.0000	
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	78.75	0.00	0.00	0.00	3,100.0000	
W	200	NCW	NO CHG	NCW	27	0.00	0.00	0.00	0.00	97,000.0000	
W	200	R10	RESID 1" MTR	R10	8	312.72	0.00	0.00	0.00	15,400.0000	
W	200	R58	RESID - 5/8" MTR	R58	2568	125,636.15	0.00	0.00	0.00	8,122,400.0000	
W	200	R60	RESID 6" MTR	R60	1	3,133.55	0.00	0.00	0.00	335,800.0000	
W	200	R75	RESID 3/4" MTR	R75	4	368.52	0.00	0.00	0.00	31,200.0000	
W	200	RB6	ROYALTON BOR 6" MTR	RB6	2	8,336.50	0.00	0.00	0.00	1,653,200.0000	
W	210	A1V	FLAT RATE WATER -VAR	A1V	2	130.25	0.00	0.00	0.00		
W	220	MC	WATER METER CHARGE - MC		2630	0.00	0.00	0.00	0.00		
TOTALS						670,735.49	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	19,375,800.0000	0.000	19,375,800.0000	

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

CODE	DESCRIPTION	NUMBER	AMOUNT
DEPOSIT TOTALS		0	0.00

*** SERVICE CATEGORY TOTALS ***

SERV CATG	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL AMOUNT
S	2,653	15,546,500	15,546,500		\$	359,912.24
SR	2,672	0	0			
SR2	2,702	0	0		\$	86,219.48
W	5,358	19,372,300	19,372,300		\$	224,603.77

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

==== REVENUE CODE TOTALS ====

REVENUE CODE:	--CURRENT--	+1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	--BALANCE--
081-NSF CK FEE	0.00	117.00	3.00	0.00	0.00	120.00
200-WTR MDT	78040.24	13228.03	6952.42	2129.29	5555.48	105905.46
201-WATER TURN ON	0.00	161.30	93.09	0.00	0.00	254.39
203-WTR MDT COMMERCIAL	83925.77	8849.77	5.30	0.00	25.41	92806.25
206-CUSTOMER CHARGE	10675.87	1790.14	805.01	268.74	2309.00	15848.76
207-SERVICE CHG / METER	41920.87	7066.93	3115.56	1040.05	8969.53	62112.94
210-WTR ROYAL	8336.50	0.00	0.00	0.00	0.00	8336.50
220-WTR L SWT	78.75	0.00	0.00	0.00	0.00	78.75
230-SURCHARGE WATER/SEWER	16.28	21.74	21.77	23.22	1776.75	1859.76
231-SURCHARGE WATER/SEWER	82077.46	6588.02	1647.40	356.50	1306.46	91975.84
275-WTR PEN	174.48CR	1659.53	703.16	148.16	750.43	3086.80
300-SWR MDT	296677.07	42855.18	14371.93	4520.03	11594.30	370018.51
306-SW CUST CHARGE	55600.43	9662.75	4402.68	1586.66	24201.92	95454.44
375-SWR PEN	244.86CR	2830.87	1210.35	253.66	1852.53	5902.55
996-UNAPPLIED	14003.96CR	0.00	0.00	0.00	0.00	14003.96CR
999-REFUND	1484.77CR	0.00	0.00	0.00	0.00	1484.77CR
TOTALS	641441.17	94831.26	33331.67	10326.31	58341.81	838272.22

TOTAL REVENUE CCDES: 838,272.22

TOTAL ACCOUNT BALANCE: 838,272.22

DIFFERENCE: 0.00

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

TYPE	DAY	COUNT	AMOUNT
ADJUSTMENT	02	2	13,950.00
	03	5	183.38CR
	08	3	24.51CR
	09	2	220.15CR
	10	5	440.64CR
	11	3	21.08
	16	4	654.56
	18	1	56.15CR
	19	3	11,410.00
	22	1	40.00
	26	6	355.02
	29	141	942.67CR
	30	2	2,945.15CR
ADJUSTMENT TOTAL			21,618.01
BILL	01	2	57.10
	02	1	26.05
	03	1	53.26
	04	2	54.50
	05	1	30.05
	08	1	34.95
	10	6	151.33CR
	11	7	94.43CR
	16	1	68.66
	18	2	77.70
	22	1	262.38
	23	1	98.96
	26	2	354.99
	29	2,717	669,844.92
	30	2	17.73
BILL TOTAL			670,735.49
LATE CHARGE	29	439	5,620.80
LATE TOTAL			5,620.80
MEMO	01	18	0.00
	02	14	0.00
	03	13	0.00
	04	6	0.00
	05	25	0.00
	08	38	0.00
	09	8	0.00
	10	17	0.00
	11	7	0.00
	12	16	0.00

Difference - adj total ± \$Billed - other Revenue
\$27,238.81

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

TYPE	DAY	COUNT	AMOUNT
	15	19	0.00
	16	5	0.00
	17	7	0.00
	18	34	0.00
	19	64	0.00
	22	34	0.00
	23	58	0.00
	24	20	0.00
	25	16	0.00
	26	36	0.00
MEMO TOTAL			0.00
PAYMENT	01	54	36,035.12CR
	02	61	22,393.23CR
	03	55	9,266.80CR
	04	105	18,188.55CR
	05	144	32,614.11CR
	08	276	59,009.80CR
	09	70	13,658.79CR
	10	154	26,588.57CR
	11	51	9,111.62CR
	12	234	50,992.79CR
	15	258	80,984.23CR
	16	133	22,318.33CR
	17	84	16,187.59CR
	18	63	11,980.76CR
	19	85	141,491.72CR
	22	88	18,404.47CR
	23	40	6,726.55CR
	24	24	5,089.66CR
	25	23	3,723.86CR
	26	45	16,455.52CR
	29	44	21,824.80CR
	30	18	4,114.20CR
	31	15	2,766.46CR
PAYMENT TOTAL			629,927.53CR
DRAFT	16	349	52,991.60CR
	22	28	18,628.81CR
DRAFT TOTAL			71,620.41CR
REVERSE-PAY	18	1	163.16
	26	1	74.05
REVERSE PAY TOTAL			237.21
GRAND TOTAL FOR PERIOD			3,336.43CR

Total Collected = \$701,547.94

9/07/2022 2:15 PM
ZONE: ALL ZONES
SERVICE: 200-WATER

IDLE METER REPORT

PAGE: 1

**** REPORT TOTALS ****

Book	Services	Addresses
02 - BOOK 02	2	1
04 - BOOK 04	2	0
08 - BOOK 08	5	3
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	31	14

ACTION	----- ISSUED THIS PERIOD -----				----- PRIOR ORDERS -----			TOTAL	TOTAL
	ISSUED	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	OUTSTANDING
C CONNECT	1	1	0	0	144	4	0	145	0
D DISCONNECT	0	0	0	0	46	4	0	46	0
F CUTOFF	0	0	0	0	3	3	0	3	0
I METER INFO	52	51	1	0	3,173	82	0	3,224	0
M METER CHANGE	3	3	0	0	632	6	0	635	0
O OCC CHANGE	20	20	0	0	1,328	3	0	1,348	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	6	6	0	0	786	23	0	792	0
** GRAND TOTALS **	82	81	1	0	6,147	127	0	6,228	0

9/21/2022 12:07 PM
ZONE: < All Zones >
SORT: ACCOUNT

MXU REPORT

PAGE: 71
GROUP: * - All Groups

METER NO#	ACCOUNT NO#	NAME	ADDRESS	MXU TYPE	MXU ID
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
W 10871886	INVENTORY				1563522708
*** TOTAL METERS IN SERVICE	2736				
*** TOTAL METERS IN INVENTORY	703				

AUGUST 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	Sewer Back up or SSO	Water Leaks	Broke, Froze, Leaking Meter	No Water/Low Pressure		Water Quality
MONDAY, AUGUST 1, 2022	40	3	43	2			2			10		17	6	1	2									
TUESDAY, AUGUST 2, 2022	50	6	56	3						5		32	10											
WEDNESDAY, AUGUST 3, 2022	40	5	45	2						8		27	3											
THURSDAY, AUGUST 4, 2022	27	4	31							6		12	8									1		
FRIDAY, AUGUST 5, 2022	55	2	57	1						3		41	10											
MONDAY, AUGUST 8, 2022	67	5	72	2						5		53	7											
TUESDAY, AUGUST 9, 2022	40	3	43	1				2		6		24	4		3									
WEDNESDAY, AUGUST 10, 2022	26	4	30				1			4		14	3	1	1	1				1				
THURSDAY, AUGUST 11, 2022	31	2	33	3			2			5		20							1					
FRIDAY, AUGUST 12, 2022	50	2	52	2						3		40		1	3							1		
MONDAY, AUGUST 15, 2022	66	1	67	1			1			5		55			4									
TUESDAY, AUGUST 16, 2022	50	2	52	1						2		47												
WEDNESDAY, AUGUST 17, 2022	36	3	39				1			4		30							1					
THURSDAY, AUGUST 18, 2022	26	4	30							2		21		1	2									
FRIDAY, AUGUST 19, 2022	20	3	23					2		3		15												
MONDAY, AUGUST 22, 2022	37	5	42	1			1			5		30												
TUESDAY, AUGUST 23, 2022	29	4	33	2						2		19	3	1	2									
WEDNESDAY, AUGUST 24, 2022	22	2	24	1						4		11	6											
THURSDAY, AUGUST 25, 2022	16	1	17	1						1		12	2											
FRIDAY, AUGUST 26, 2022	35	7	42							3		28	4											
MONDAY, AUGUST 29, 2022	17	2	19	2						3		8	3		1									
TUESDAY, AUGUST 30, 2022	25	3	28	1						5		12	5		2									
WEDNESDAY, AUGUST 31, 2022	18	9	27	1						3		10	4											
GRAND TOTALS	823	82	905	27	0	0	8	4	0	97	0	578	78	5	20	1	0	0	2	1	0	2	0	

2022 MIDDLETOWN COLLECTION INFORMATION

	Bill Due Date	Date 10 Day Notice Issued	Number of 10 Day Notices issued for Balances over \$50.00	Date 3 Day Notices Posted	Number of 3 Day Notices for Balances over \$100.00	Shut offs
January Bill Cycle	2/15/2022	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	7/15/2022	7/20/2022	222	8/5/2022	65	6 SHUT OFFS (3 VACANT) 4 PROPERTIES TURNED BACK ON
July Bill Cycle	8/15/2022	8/22/2022	219	9/9/2022	52	5 SHUT OFFS (4 VACANT) 2 PROPERTIES TURNED BACK ON
August Bill Cycle						
September Bill Cycle						
October Bill Cycle						
November Bill Cycle						
December Bill Cycle						

Partner Reporting Dashboard

[Back to Partner Select Page](#)

SUEZ (Middletown)

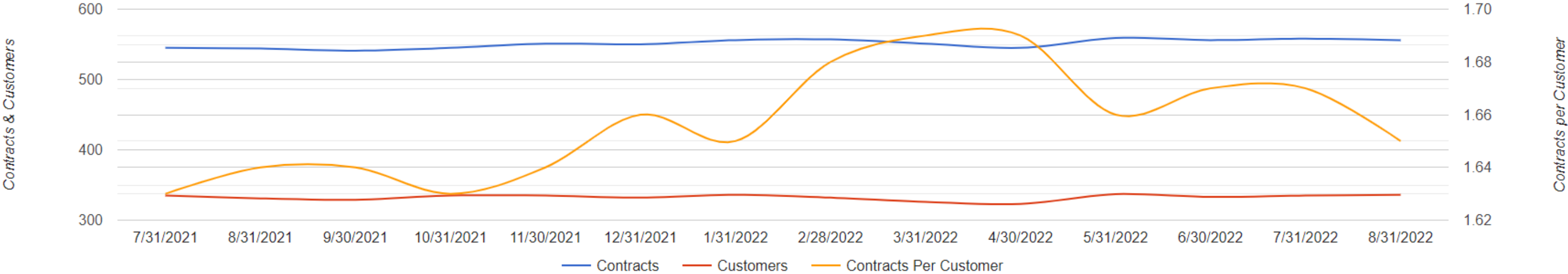
Date Start

Date End

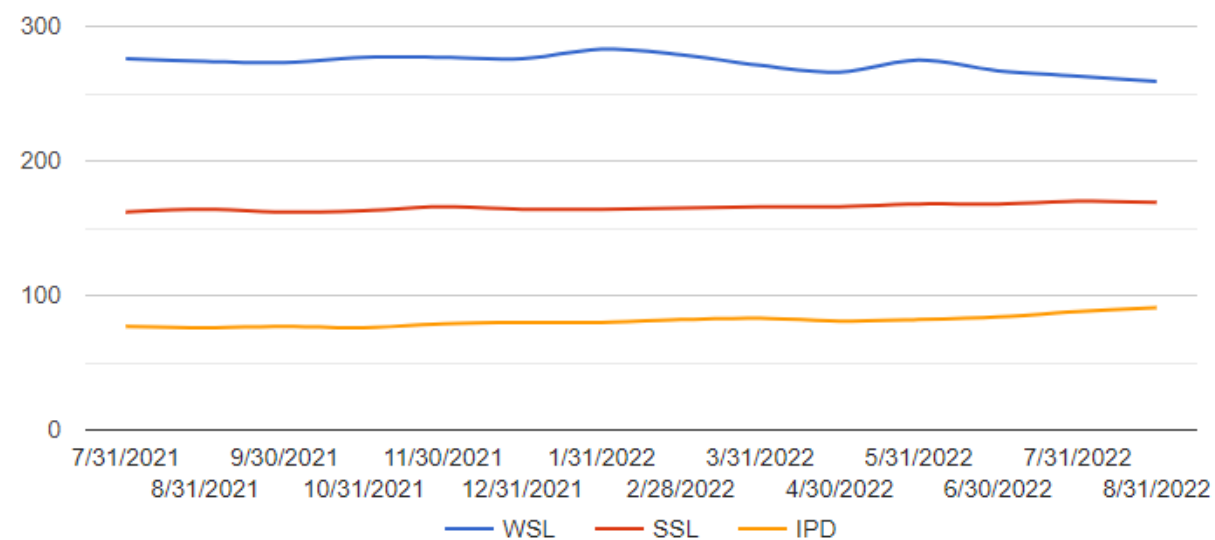
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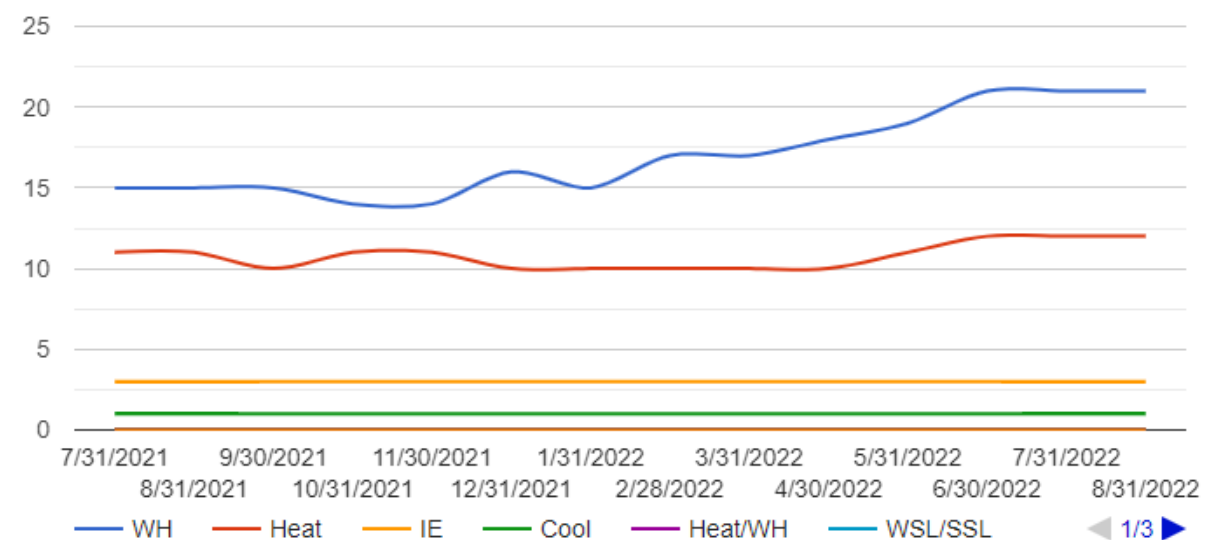
Contracts and Customers



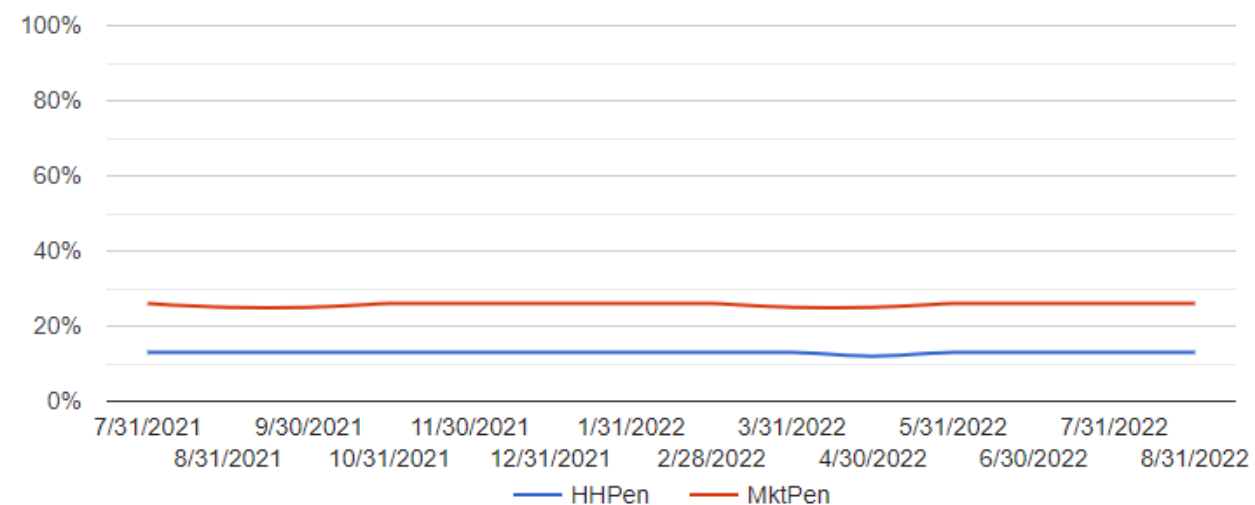
Leading Contracts by Type (Top 3)



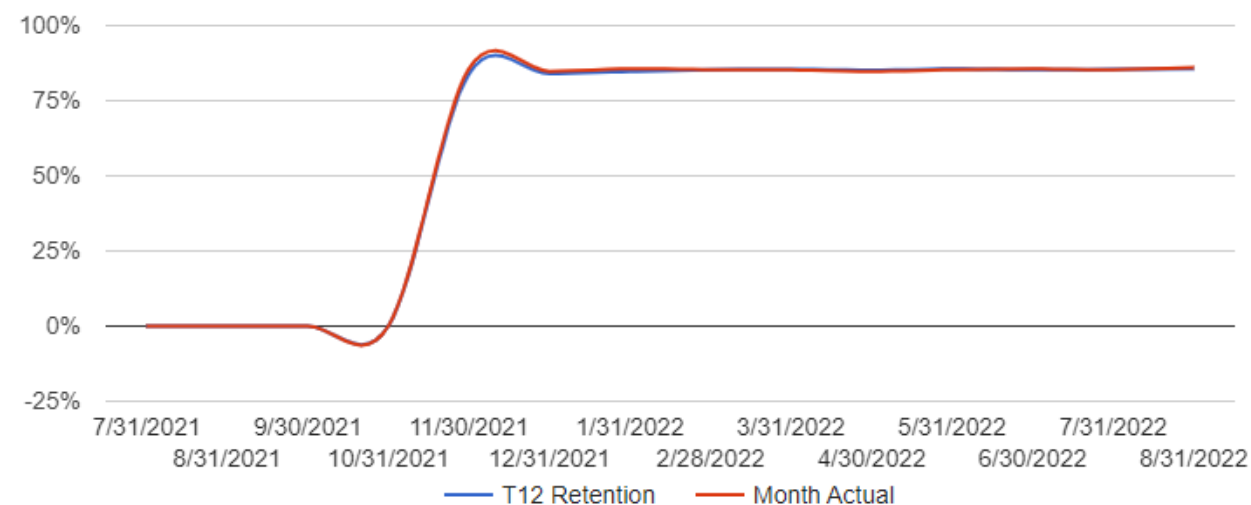
Leading Contracts by Type Other



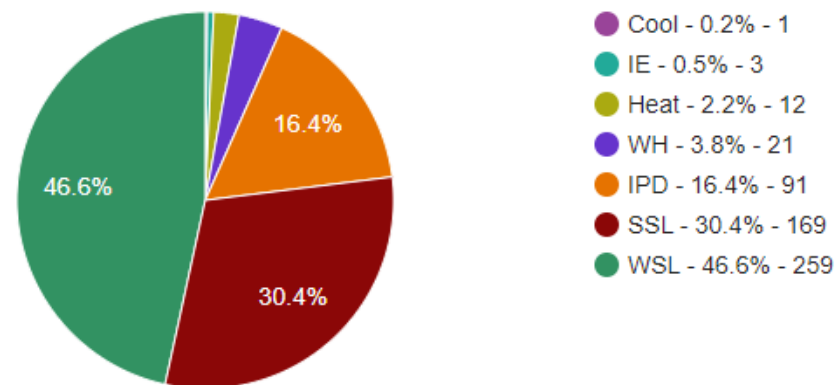
Household Penetration



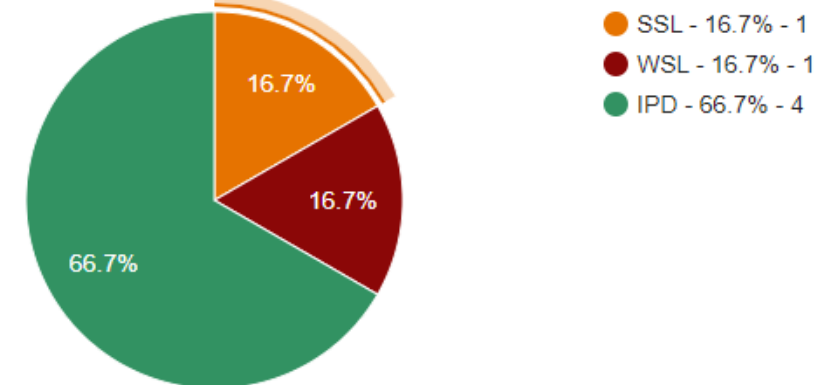
Retention



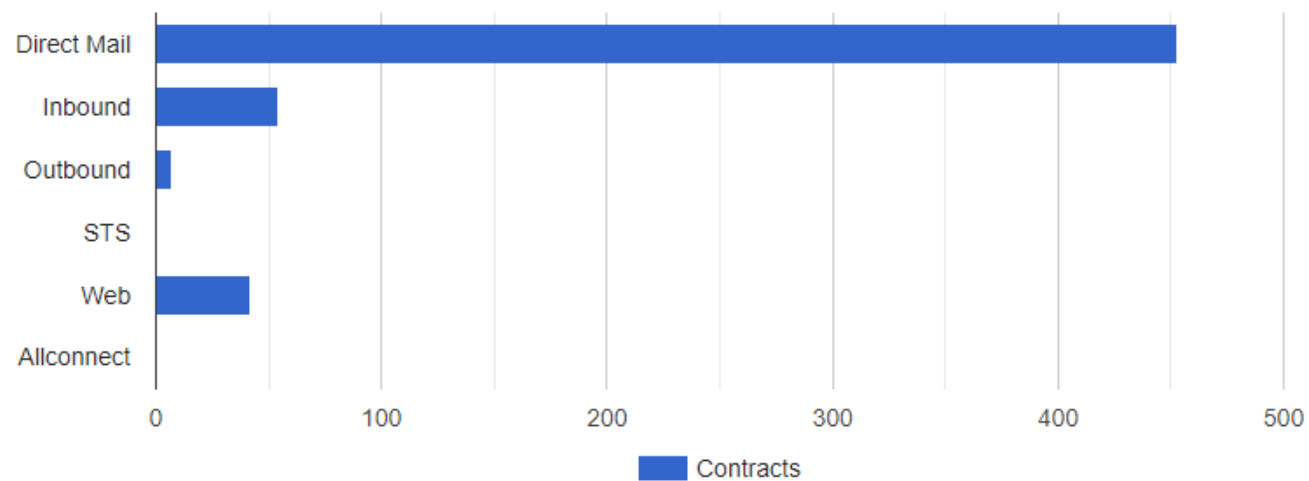
Contracts by Product Type



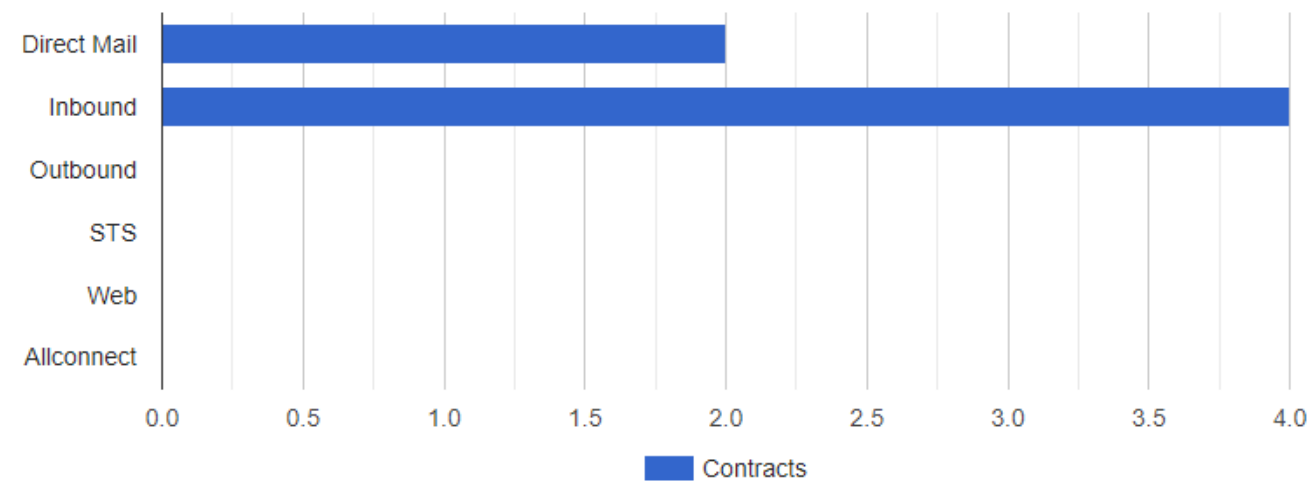
Contracts by Type - Last 30 Days



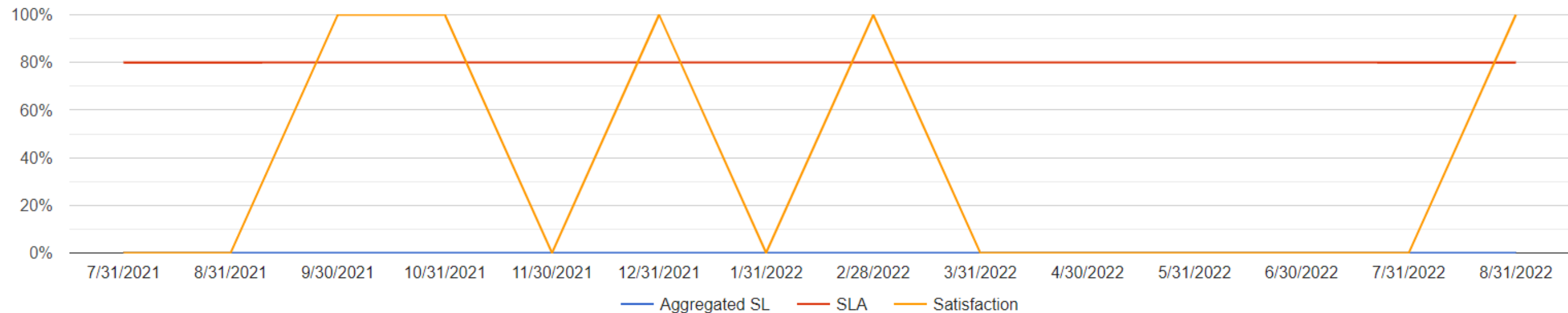
Contracts by Channel



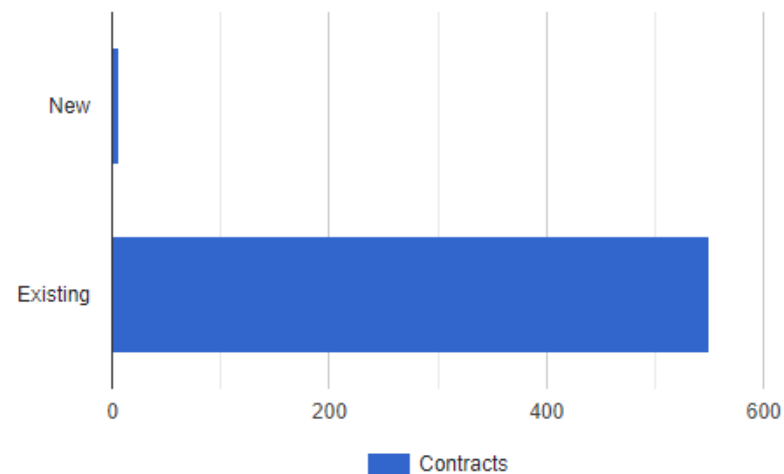
Contracts by Channel - Last 30 Days



Service Levels And Satisfaction

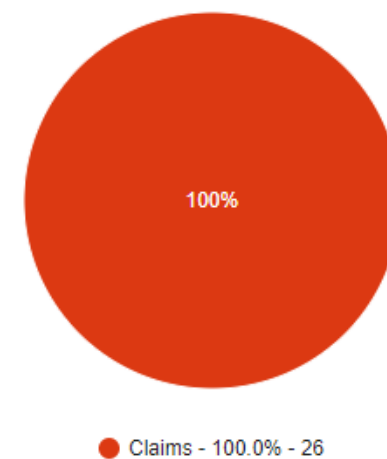


New v. Existing

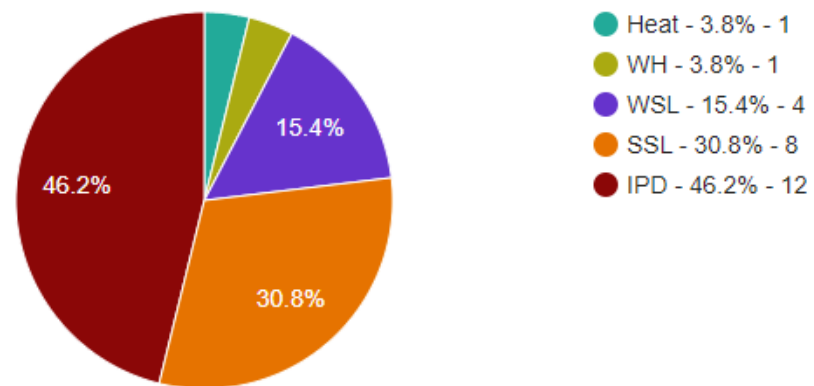


Rolling Complaints by Type

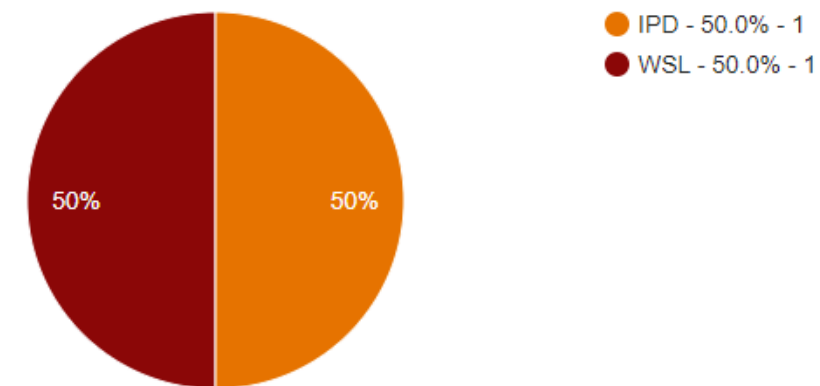
Complaints vs Claims



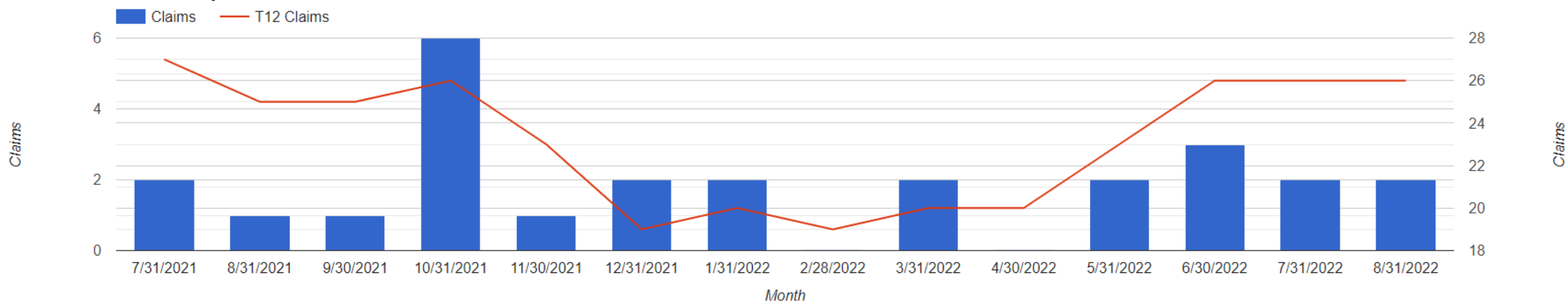
T12 Month Claims by Type



T1 Month Claims by Type



Claims History



MIDDLETOWN MONTHLY REPORT

APPENDIX 4

WATER MAIN LEAK LOGS

APPENDIX 5

**QUARTERLY METER TEST AND CALIBRATION
REPORTS**

MIDDLETOWN MONTHLY REPORT

APPENDIX 6