

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



September 30, 2023

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Mr. Dan Sugarman
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RE: Transmittal of Veolia Middletown Operations Report August 2023

Pursuant to Sections 3.22 and 4.10 of the Concession Agreement; Part A, Section 9.4 and Part B, Sections 5.1, 5.2.6, 5.4.3, 6.3, and 8.1 of the Operating Standards; and Section 7.1 (e), (i) of the Joint Venture Operating Agreement, transmitted herewith is an electronic copy of the subject Monthly Report.

Should you have any questions or require further information, please contact me at your convenience.

Sincerely,

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

Kodi Webb
Project Manager
Veolia Middletown

cc: Michael Winfield
Jason Kiernan
Ken Bonn
William Stanton

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

AUGUST 2023



EXECUTIVE SUMMARY

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

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

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

Operations and Maintenance

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

Significant operational and maintenance accomplishments for the reporting period include:

- Continue weekly monitoring of the petroleum substance entering the outfall pipe after the WWTP effluent. Short-term mitigation efforts are minimizing the discharge until a long-term plan is approved.
- Continue use of the HachWIMS application for process and regulatory data management and to optimize meeting reporting requirements.
- Continue observation of the SmartCover® Sewer Monitoring System at manholes MH-286 at Mill St, MH-290 at Hoffer Park, MH-332 at E. Main St, and MH-475A on E. Water St.
- Continue with Well # 4 Pump Replacement, and integration of new chemical feed system.
- Installation of Safety Upgrades for Water and Wastewater systems.
- Completed annual hydrant flushing.
- Completed annual leak detection.
- Continued small meter replacement program.
- Continued annual sewer jetting.

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Regulatory Compliance

NOV was issued on March 1, 2021 for Well # 4 Fluoride system deficiencies. A brief summary and status update regarding the NOV, our efforts to date, and action plan to resolve the issue follows:

- NOV was issued by DEP on 3/1/21
 - Verbal consult with the Department (30 Day)- Due by 3/31/21 - **Completed**
 - Respond in writing (45 Day)- Due by 4/15/21 - **Submitted**
 - Complete corrective actions (120 Day)- Due by 6/29/21 -**Extended by DEP**
 - PA DEP did not provide an updated deadline, but wants to see continued progress with the project.
- Required upgrades to fluoride feed systems at all wells which will require a separate permit amendment filed with PA DEP for each. – **Well #4 Permit Approved 6/25/21**
 - Only Well #4 will be held to the 120 day timeline since permits are required for each well
 - VEOLIA will not delay working with HRG and DEP to get all locations permitted and completed in a timely manner.
- Equipment for upgrade
 - HRG to identify best pumps and equipment for this application.
 - Well pump #4, replacement in progress
 - Once replacement pump is selected a permit application will be filed with PA DEP by HRG.
 - After permit approval, new chemical feed system will be installed and integrated.
- Veolia working with HRG on permit amendments
 - Well 4 Permit Application –**Approval Received on 6/25/21**
 - Well 4 replacement pump application approved.
 - Chemical feed parts ordered in July 2021, and received August 19, 2021
 - Permit application approval received for chemical feed upgrade for all wells
 - Permit application approval received for Well 3 pump replacement
 - HRG to submit additional permit applications for Well 4 level transducer as required by Susquehanna River Basin Commission and upgrade online chlorine analyzer – January 2023
- Chemical feed upgrade for Well 2 complete on November 3, 2022
- Water SCADA computer upgrade complete August 2023

On February 23, 2023, an unplanned wastewater plant inspection was performed by Pennsylvania Department of Environmental Protection. The formal report has not been generated from the inspection, but the sanitarian did not note any major findings or violations during the inspection.

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Environment, Health and Safety

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

Customer Service

The current operating period was very successful for Customer Service in Middletown.

Some accomplishments include:

Though the Customer Service counter remains closed to customers, customer service, and payments remain open via payment drop box, telephone, email and US Mail.

Continued to track and update reports to meet the needs for data analysis, revenue forecasting, and reporting requirements.

Continued to monitor collection of the surcharge in anticipation of terminating it in October (earlier than originally planned) when the threshold is expected to be reached.

The meter reading cycle for water consumption in August was successfully completed on August 28th, 2023.

- Sent 258, 10 day shut-off notices to accounts that were \$50 past due for the July 2023 billing period
- Posted 72 properties with 3 day shut-off notices

Engineering and Capital Expense

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

Conclusion

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

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MONTHLY OPERATIONS REPORT

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

Wastewater Treatment Plant DMR

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

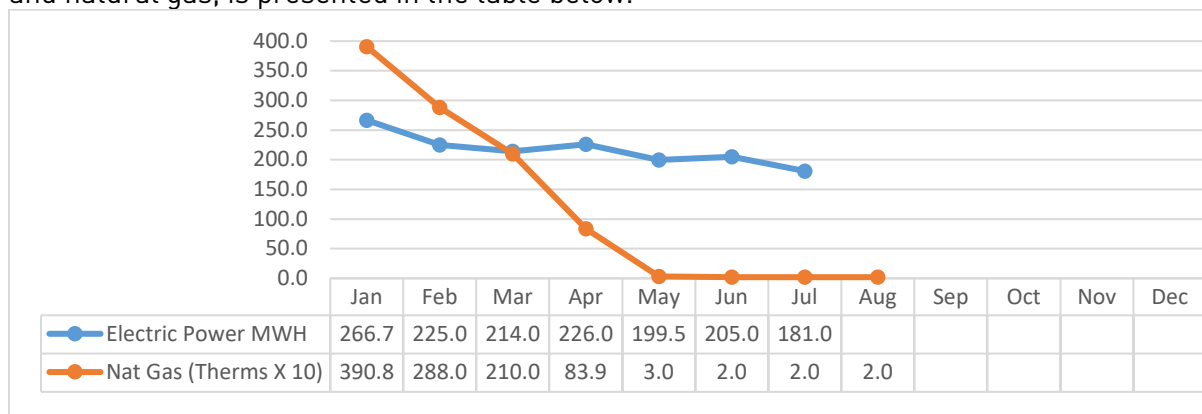
Quality Control Reporting

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

Energy Management and Sustainability

Energy Use

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



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

Energy Efficiency Initiatives

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

Sustainability

Middletown received a score of 91 for the GRESB Report submitted in 2022, which was an increase of ten points from 2021. The 2022 GRESB Report data was compiled in April and the resulting score report is expected in September. Objectives will be developed to support biodiversity and sustainability initiatives.

Water System and Wastewater Treatment Plant Maintenance

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

System	Equipment	Process Location	Date Off Line	Reason for Taking Off Line	Date Returned to Service
Water	Well Pump	Well 4	2/26/21	Pump Failure	In Progress
Water	Fluoride Pump	Well 4	2/26/21	Pump upgrades and SCADA integration	Pending Upgrade
Water	Well Pump	Well 3	9/14/21	Pump Failure	In Progress
WWTP	Influent Screen	Wet Well	1/13/23	Mechanical Failure	In Progress
WWTP	Fine Screen	Headworks	8/23/23	Mechanical Failure	In Progress

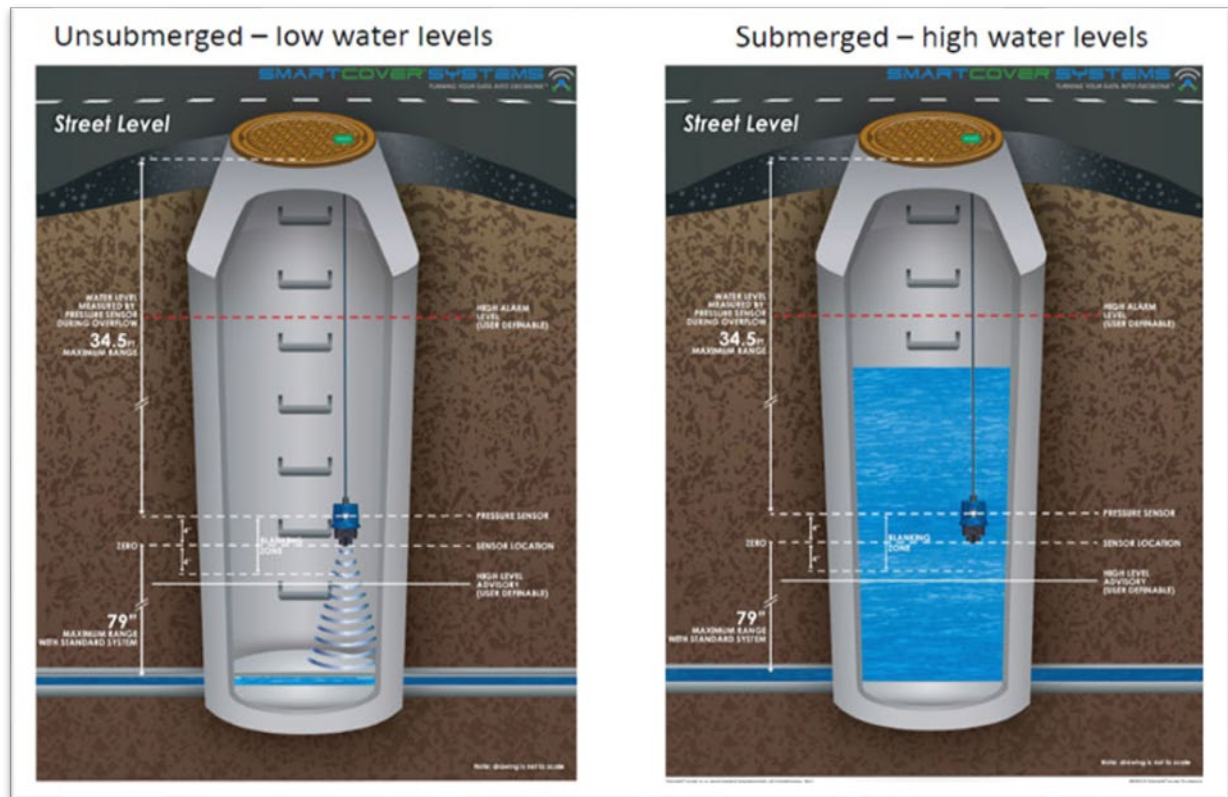
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Sanitary Sewer System

SmartCover® Sewer Monitoring System

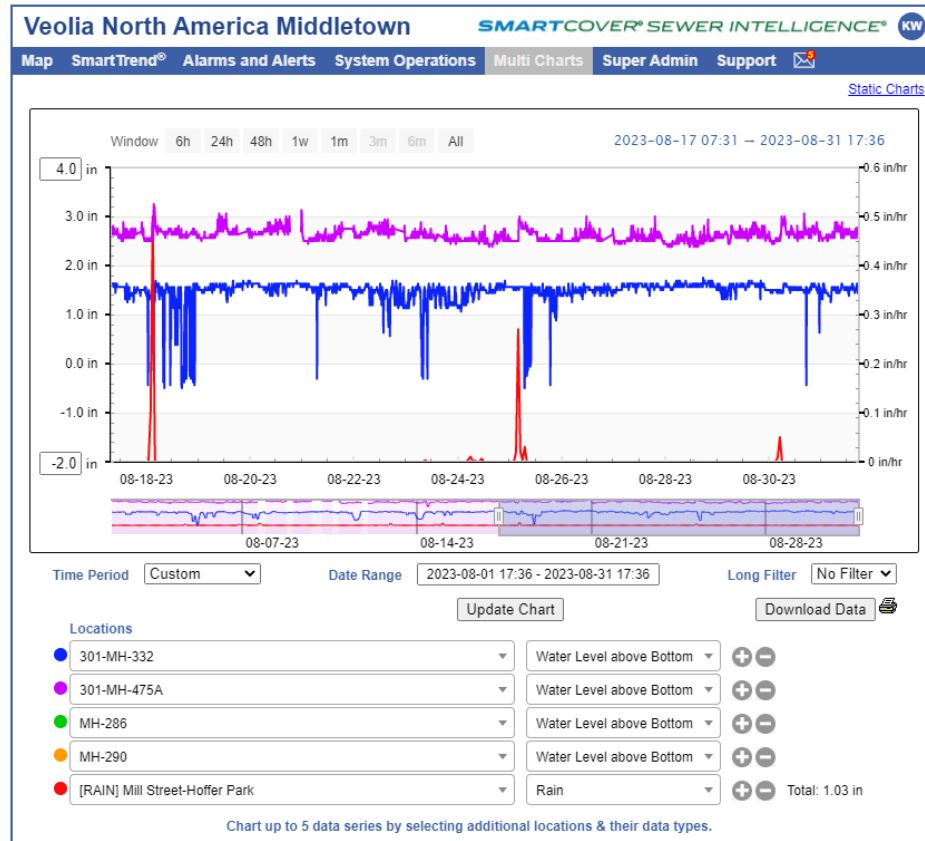


Ultrasonic level sensor (on the left) and pressure transducer (on the right). The covers use level sensing technology to analyze sewer elevations throughout the monitored area. This technology is used to monitor and reduce sanitary sewer overflows (SSO's) at problematic locations. The SmartCovers installed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

The SmartCover sensors were installed, in conjunction with a thorough cleaning of the interceptor, as part of the PA DEP Corrective Action Plan (CAP). Upon cleaning of the interceptor and installation of the sensors, we are now able to monitor surcharge conditions in "real-time".

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Key Performance Indicators

Project Status Snapshot

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

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KPI	Hydrants Inspected	Main Valves Exercised	Ft Wastewater Mains Cleaned	Ft Water System Leak Detection
Last	151	0	0	0
Current	0	0	8071	35
YTD	166	124	11713	35

On Target – Good Work	Caution	Significantly Behind Goal
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KPI Comments

Water Loss: Identifying and reducing the system water loss has been a key focus for Veolia. In an effort to identify and resolve the sources of water loss, continue to (1) verify the accuracy of the billing system reports, (2) verify the production meter accuracy at each well site based on review of the quarterly calibration records, (3) test a representative sampling of meters/MIU's to ensure the integrity of the data being downloaded to the billing system and verify the accuracy of residential meters. We continue to identify and, when found, repair water leaks throughout the system. In addition, following AWWA guidelines and standards, Veolia has identified and is in the process of testing and replacing 10% of the systems small meters, starting with the oldest meters.

Water Main Valves Exercised: A comprehensive condition assessment program was part of the development of the asset management program. The program includes valve identification and location, condition assessment, exercising, determining the number and direction of turns, etc. Identifiers are being created using GIS data that was collected during the first phase of the project. Valves that have been identified in need of repair or replacement will be scheduled for repair or replacement over time based on operational priority of the valve.

Hydrants inspected and maintained: The hydrant inspection and preventative maintenance program will be completed in conjunction with the annual water main and hydrant flushing program.

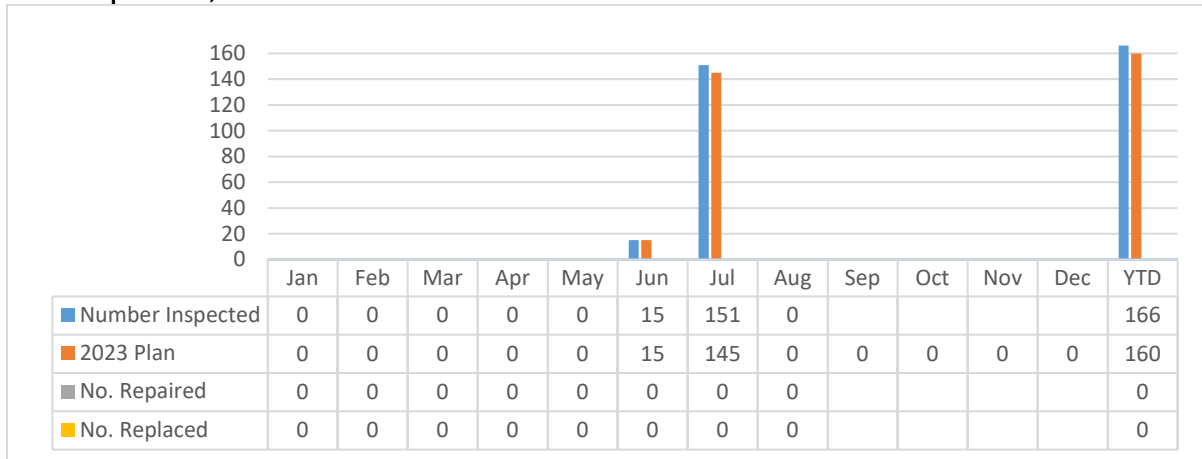
Sanitary Mains Cleaned/CCTV Inspected: The 2022 jetting and CCTV requirement were completed in March 2023, which was postponed due to supply chain and vehicle equipment issues.

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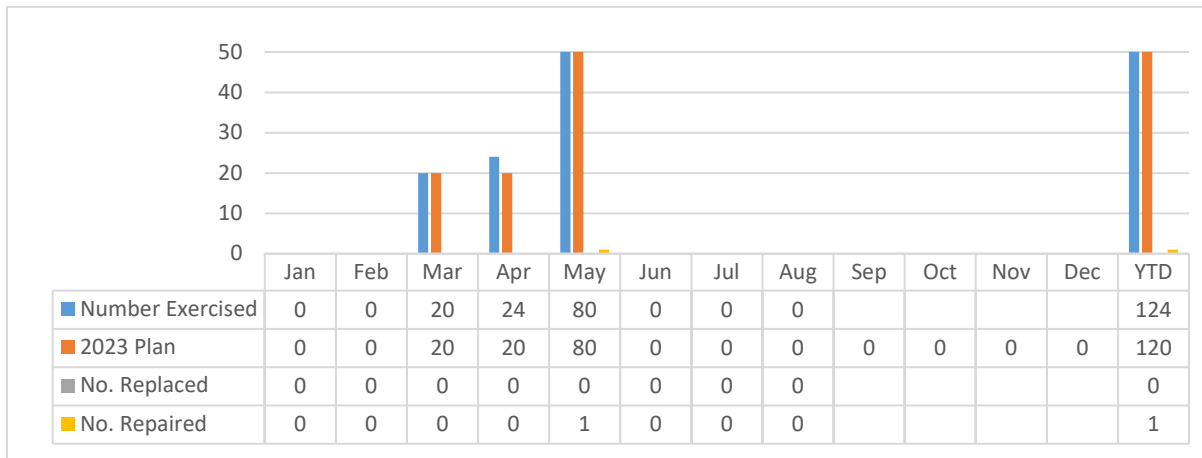
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Hydrants Inspected, Tested and Flushed



Water Main Valves Exercised

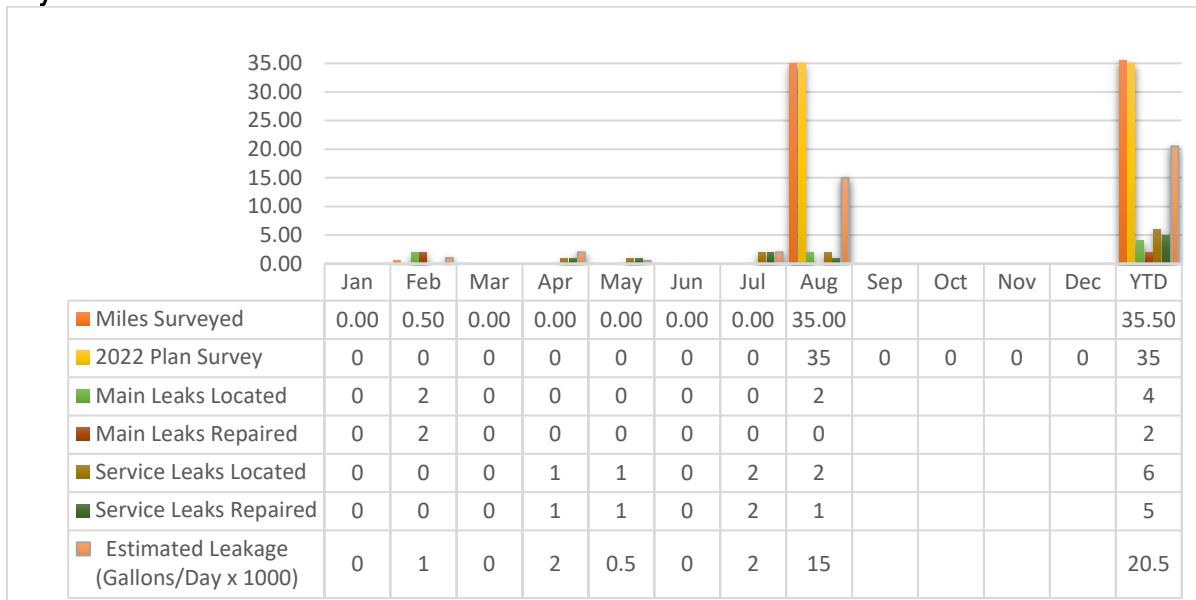


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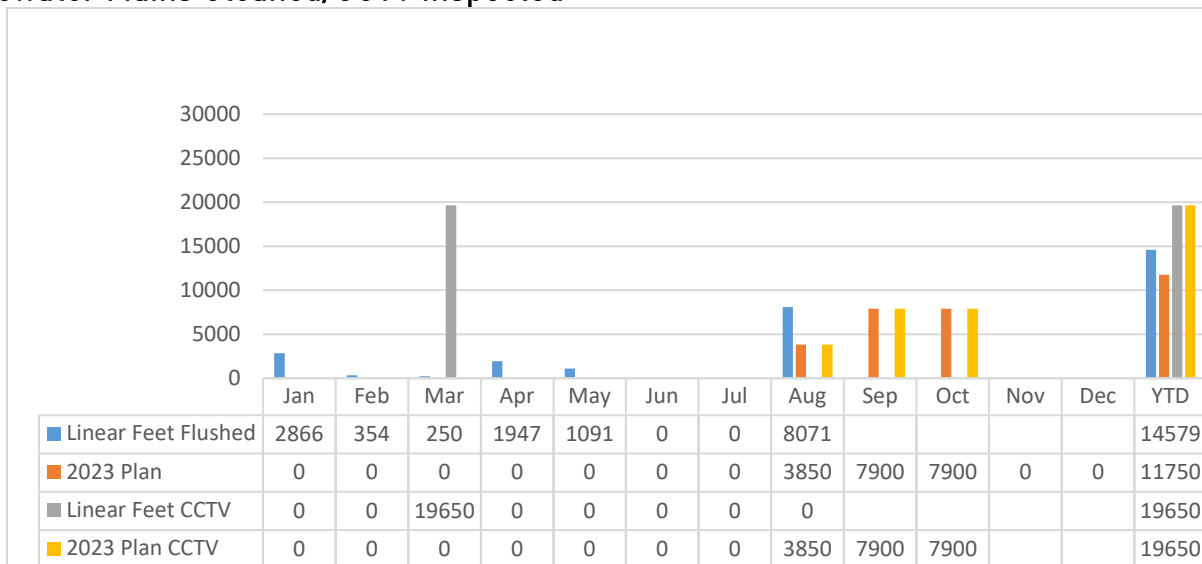
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Water System Leak Detection



Wastewater Mains Cleaned/CCTV Inspected

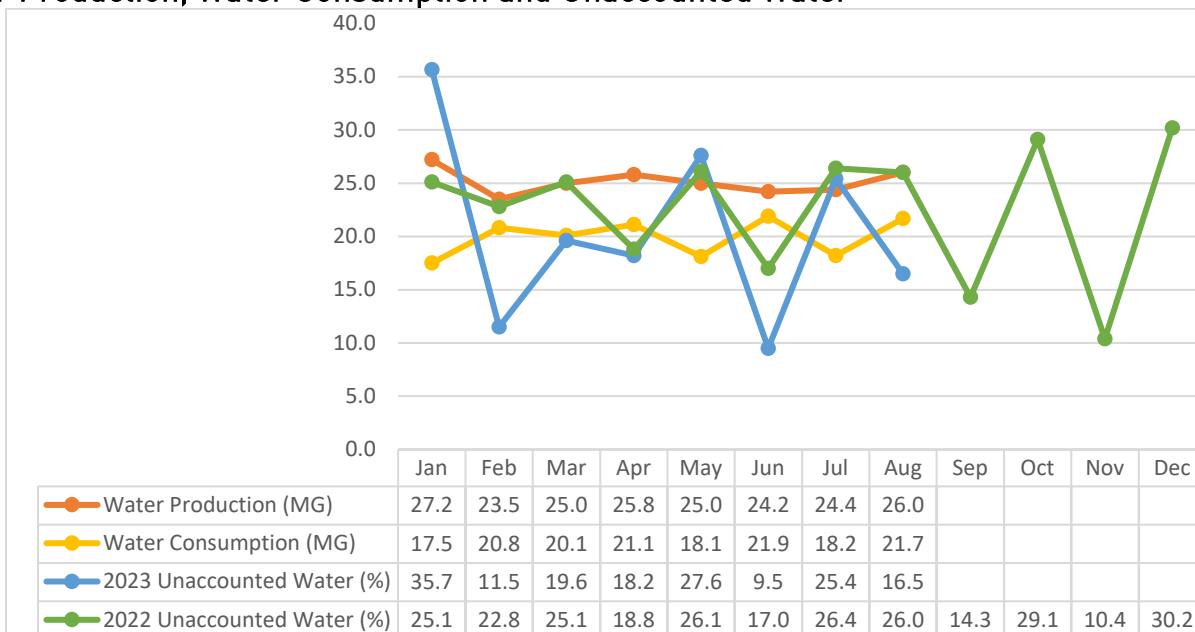


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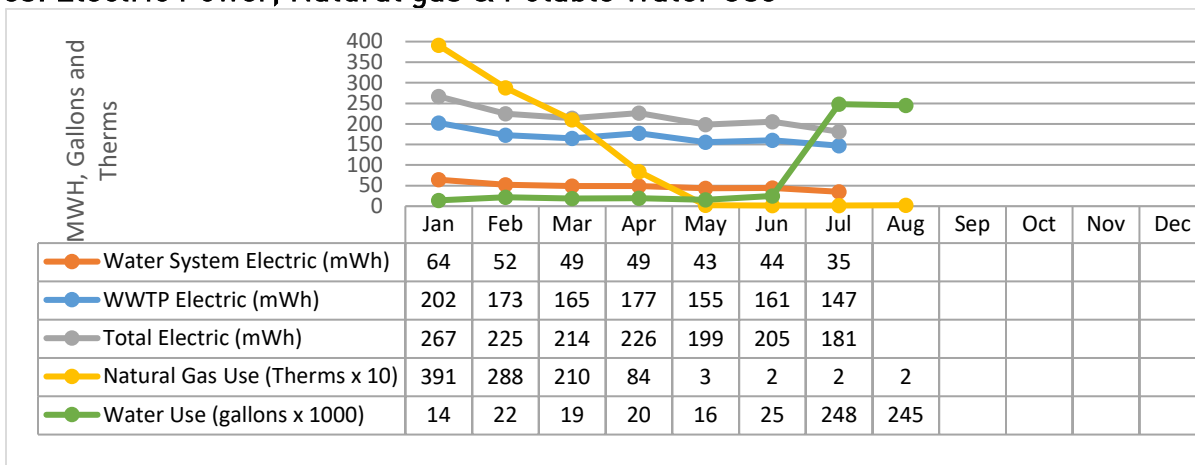
Water Production, Water Consumption and Unaccounted Water



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

Refilling the High St tank (after completion of Capital Upgrade) in January likely contributed to the higher than average unaccounted for water percentage. The higher than average unaccounted for water percentage in July is likely 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	253	212	236	243	231	244	271	322					
Hydrofluorosilic Acid	lbs	305	265	282	292	282	257	263	273					
Alum	gal	35	37	69	43	50	60	61	70					
Thickening Polymer	gal	55	64	45	48	54	56	44	51					
Dewatering Polymer	gal	129	160	88	103	118	81	88	63					
Chlorine (WWTP)	lbs	404	329	462	390	444	460	490	501					
Lime	lbs	5628	2743	1666	1647	1702	1451	1433	1411					

Tank Inspection: Water and WWTP

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

Nitrification Control Program

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

Facility Security

There were no security issues or events during the month.

Meter Testing

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

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

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July 2023. One hundred small meters were replaced and will be tested at the conclusion of the project.

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	16	0	0	16	0	0	15	0					16	16	15	0	47
Interconnect/Large	0	0	0	2	0	0	0	0					0	2	0	0	2
Small Meter	0	0	0	0	0	0	0	0					0	0	0	0	0
TOTAL	17	0	0	19	0	0	16	0	0	0	0	0	17	19	16	0	52

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.
- 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 well upgrades at Well 4 including installation of new well pipe.
- Continue small meter replacement program.
- Continue management of capital construction projects.

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Customer Service

Highlights

Veolia Middletown closed the the Customer Service Office and Administration building to customers and non essential visitors at the start of the COVID-19 pandemic. At this time the window is still closed, but the telephone and drop box for payments remain open. Call volume increased in July with a total of 885 calls received. Call volume has remained high through August due to an increased number of customers making payments over the phone. All calls received by answering service or that were placed to the answering service after office hours were responded to. The JV submitted an application for the State's Low Income Housing Water Assistance Program (LIHWAP) in January 2022. The LIHWAP program ended on October 28, 2022, due to lack of federal funding. Twenty-five customers qualified and were able to utilize the program. The LIHWAP program was reopened on July 10, 2023. Seventeen customers have been able to utilize the program thus far in 2023.

The 2023 rate increase has been implemented in accordance with Middletown Water Annual Recovery Report and we continue to monitor collection of the surcharge in anticipation of terminating it in October (earlier than originally planned) when the threshold is expected to be reached.

The release of bill files for printing and mailing this month occurred in 2 day with bills for services provided in August being mailed to customers on August 28th, 2023. The average gross monthly collection rate for August was 93% and 100.03% 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 22 accounts this month, which is the same as last month. There were no idle meters with consumption this month.

The number of Field Service Requests in August was 89.

In March of 2021, Veolia implemented a new customer bill design. The re-design is helping 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 412 who have enrolled in the Auto Pay program.

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Customer Service: Calls by Type

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	2022	2021
General Acct. Info	12	4	8	8	8	3	7	6					56	123	131
Bill Inquiry	99	57	89	94	127	143	162	96					867	1448	934
Finals	19	12	13	14	22	18	13	9					120	242	173
New Account	7	5	11	7	16	12	9	6					73	118	98
Meter Reading /Re-Reads	1	3	3	5	0	0	0	2					14	13	0
Payments	610	560	590	576	631	591	585	616					4759	6901	6127
Collection Letter	51	45	37	68	104	109	79	38					531	735	168
Rates	0	11	1	0	0	0	0	0					12	9	30
Complaints	0	0	0	0	0	0	0	2					2	0	1
Sewer	0	2	0	0	0	0	0	0					2	6	12
Leaks	3	2	1	3	2	0	4	2					17	15	11
No/Low Water Pressure	0	1	0	0	2	0	1	0					4	8	6
Copy Of Bill	3	4	3	3	4	0	2	3					22	101	2
Correct. Bills	0	0	0	0	0	0	0	0					0	0	0
Mtr Change Out	0	0	0	0	0	0	0	0					0	0	1
Customer Correspondance	61	29	48	56	57	71	57	74					453	763	922
Discolored/Water Quality	0	1	0	1	0	0	0	0					2	1	0
Calls Referred to SUEZ Hbg	33	17	24	23	30	29	23	28					207	414	439
Calls from City / Other Org	0	0	0	0	0	0	0	0					0	0	1
Compliments	0	0	0	0	0	0	0	0					0	1	18
2023 TOTALS	899	753	828	858	1003	976	942	882	0	0	0	0	7141		
2022 TOTALS	1005	920	966	915	972	955	902	905	818	933	814	794		10899	

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

Customer Service: Billing

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

* Neptune is the meter manufacturer

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Dollars Billed - Water and Sewer (dollars X1000)

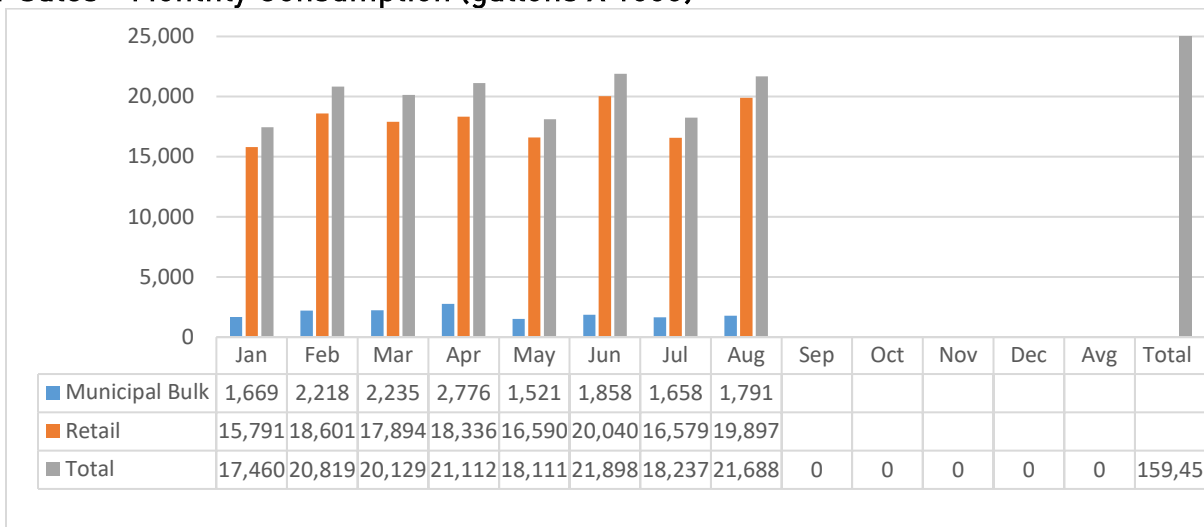


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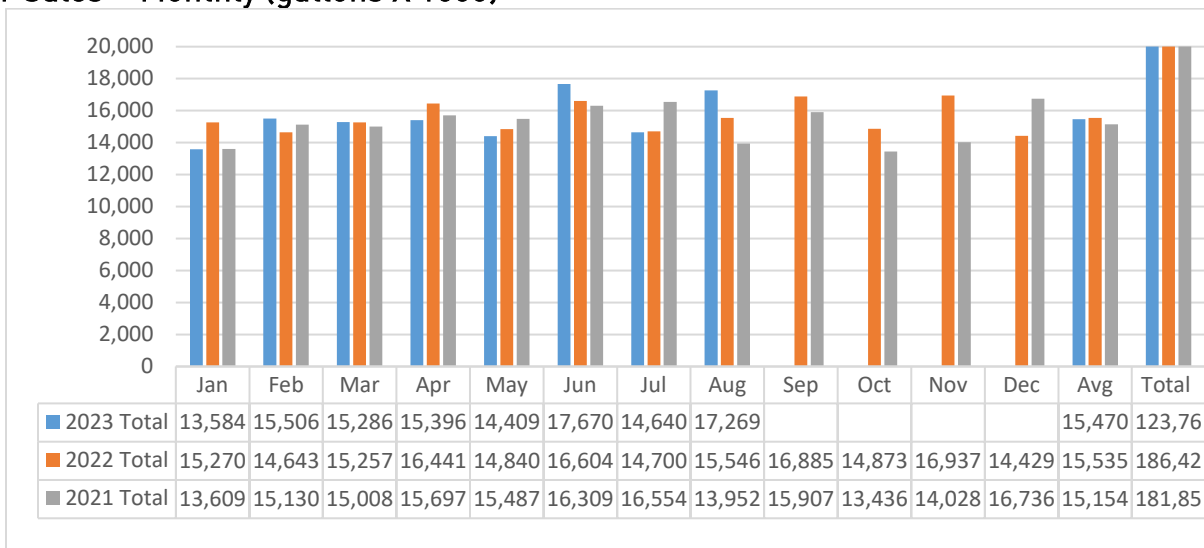
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Water Sales - Monthly Consumption (gallons X 1000)



Sewer Sales - Monthly (gallons X 1000)



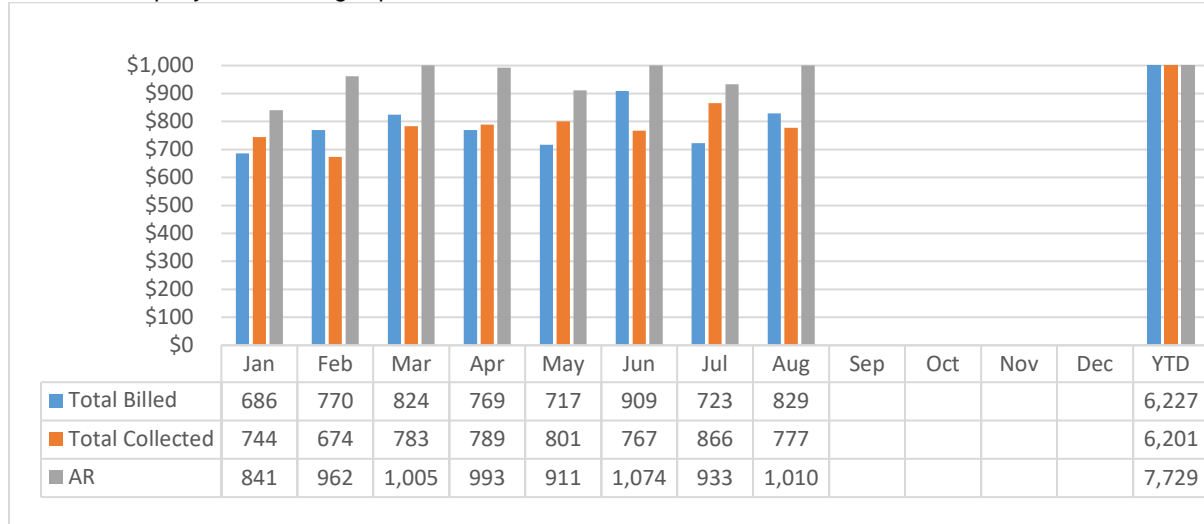
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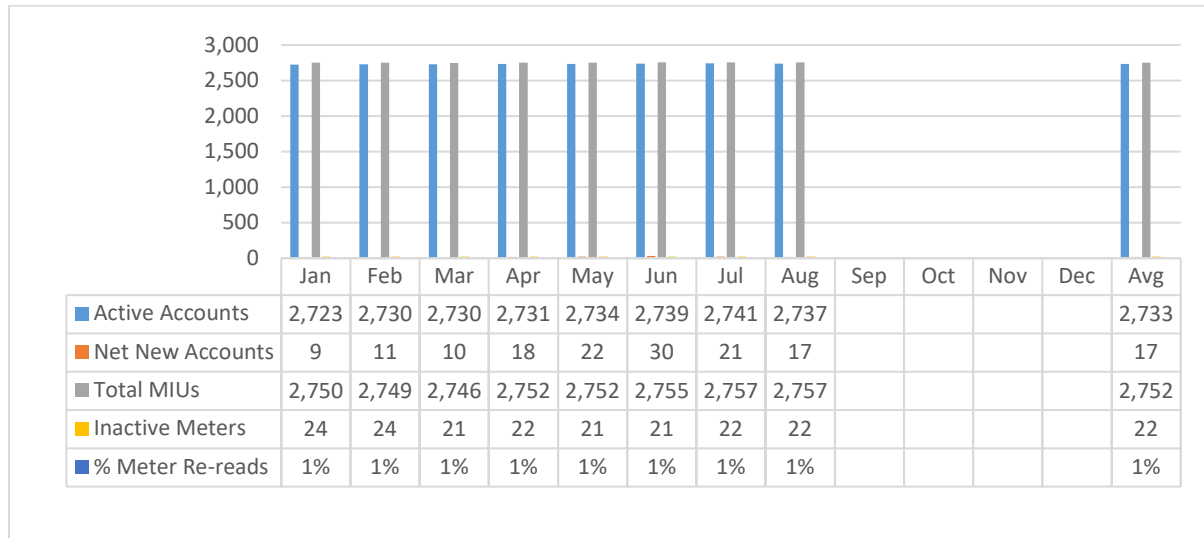


Collections (dollars X 1000)

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



Accounts & Meters

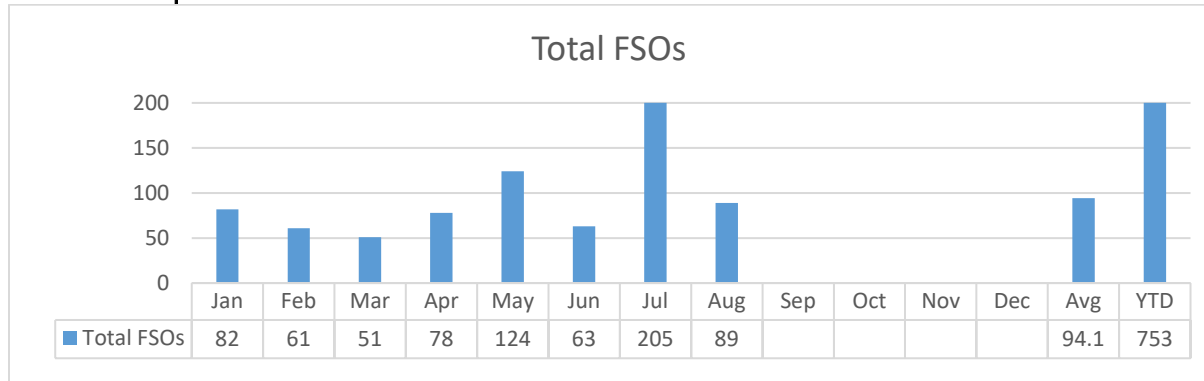


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Field Service Requests



Service Disruptions

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

Service Disruptions Summary

Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Planned	0	0	0	0	0	0	0	0					0	0	0	0	0
Unplanned	0	0	0	0	0	0	0	0					0	0	0	0	0
2023 Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water Quality

A summary of water quality complaints is provided in the table below.

Water Quality Complaints Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Taste and Odor	0	0	0	0	0	0	0	0					0	0	0	0	0
Discolored	0	1	0	0	0	0	0	0					1	0	0	0	1
Boil Water Notices	0	0	0	0	0	0	0	0					0	0	0	0	0
2023	0	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

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

Sewer and Collection Issues

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

Sewer Quality Complaints Summary

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

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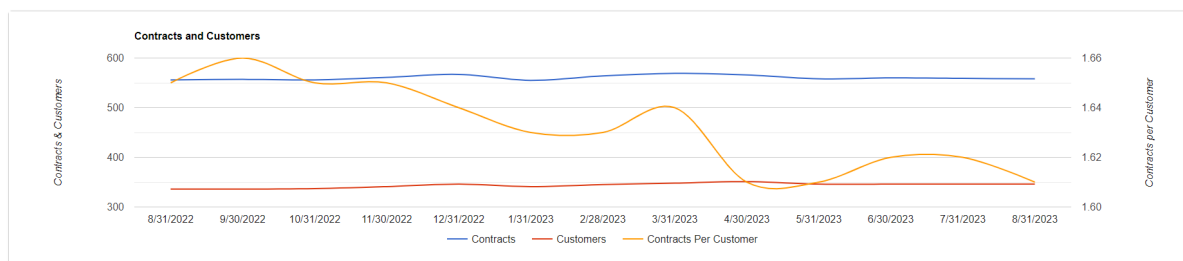
Home Serve USA

SUEZ (Middletown)

Date Start
2022-08-31

Date End
2023-08-31

Filter



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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JULY 2023



Water Sales Test Period

Water Sales Test Period No. 3 1/1/2021 to 12/31/2023	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	
														Total	Avg
Total consumption for the month (gallons)	2021	16,984,200	19,701,800	19,964,700	20,521,000	20,409,700	20,950,100	20,557,500	17,545,400	20,495,500	17,656,500	18,017,900	21,191,200	233,995,500	19,499,625
	2022	19,111,100	18,317,500	19,119,800	20,815,300	18,711,600	20,471,200	18,402,600	19,375,800	21,509,300	18,966,600	21,567,400	18,383,200	234,751,400	19,562,617
	2023	17,461,300	20,818,600	20,129,700	21,111,400	18,112,100	21,898,200	18,237,100	21,688,400					159,456,800	19,932,100
Billing Period (days)	2021	31	28	31	30	31	30	31	31	30	31	30	31	365	30
	2022	31	28	31	30	31	30	31	31	30	31	30	31	365	30
	2023	31	28	31	30	31	30	31	31	30	31	30	31	365	30
Retail Sales - Total month (gallons)	2021	15,296,100	17,196,300	17,228,700	17,859,000	17,758,400	18,244,700	18,891,300	15,949,100	18,758,400	15,998,500	16,473,400	19,348,500	209,002,400	17,416,867
	2022	17,460,800	16,973,300	17,690,900	19,266,000	17,298,800	18,708,000	16,852,200	17,722,600	19,907,900	17,534,000	19,868,500	16,671,700	215,954,700	17,996,225
	2023	15,791,900	18,600,900	17,894,500	18,335,700	16,590,900	20,039,900	16,578,700	19,897,300					143,729,800	17,966,225
Retail Sales - Average Daily (gallons per day)	2021	493,423	614,154	555,765	595,300	572,852	608,157	609,397	514,487	625,280	516,081	549,113	624,145	6,878,152	573,179
	2022	563,252	606,189	570,674	642,200	558,026	623,600	543,619	571,697	663,597	565,613	662,283	537,797	7,108,547	592,379
	2023	509,416	664,318	577,242	611,190	535,190	667,997	534,797	641,848					4,741,998	592,750
Avg retail water sales (gal)		522,030	628,220	567,894	616,230	555,356	633,251	562,604	576,011	644,438	540,847	605,698	580,971	6,242,899	586,103
Bulk Municipal Sales - Total month (gallons)	2021	1,688,100	2,505,500	2,736,000	2,662,000	2,651,300	2,705,400	1,666,200	1,596,300	1,737,100	1,567,000	1,544,500	1,842,700	24,902,100	2,075,175
	2022	1,650,300	1,344,200	1,428,900	1,549,300	1,412,800	1,763,200	1,550,400	1,653,200	1,601,400	1,432,600	1,788,900	1,711,500	18,886,700	1,573,892
	2023	1,669,400	2,217,700	2,235,200	2,775,700	1,521,200	1,842,700	1,658,400	1,791,100					15,711,400	1,963,925
Bulk Municipal - Average Daily (gallons per day)	2021	54,455	89,482	88,258	88,733	85,526	90,180	53,748	51,494	57,903	50,548	51,483	59,442	821,253	68,438
	2022	53,235	48,007	46,094	51,643	45,574	58,773	50,013	53,329	53,380	46,213	59,630	55,210	621,102	51,758
	2023	53,852	79,204	72,103	92,523	49,071	61,423	53,497	57,777					519,450	64,931
Avg Bulk Customer sales (gal)		53,847	72,231	68,818	77,633	60,057	70,126	52,419	54,200	55,642	48,381	55,557	57,326	653,935	61,709
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) = 586,103															
Contract Daily Water Sales Upper Limit (gal/day) = 639,340															

Engineering and Capital Improvements

Capital improvement projects for the water and wastewater systems were developed for 2023 and presented in the draft Five-Year Capex Plan to the Concessionaire and Borough. The projects are divided into Base CAPEX projects and Major CAPEX projects. Careful consideration is given when awarding projects to ensure that experienced and responsible contractors that meet the Responsible Contractor Policy are selected.

Proposed Base Capex Projects

Capital Projects from the Base CAPEX are listed below:

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

Major CAPEX Projects

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

JULY 2023



As previously included and pursuant to the dispute resolution process (and as addressed during the August 2020 Operations Committee meeting), the Concessionaire is planning on implementing CAPEX projects required for the overall system, including but not limited to replacement of water mains in accordance with a revised 5-year capital improvement plan. The “2019 Underground Infrastructure Upgrades” project is fully completed with approximately 2,800 LF of water main replaced as of May 2021 and the project has been closed out. The next project, “2017/2020 Underground Infrastructure Upgrades” involved the replacement of approximately 5,200 LF of critical water mains in the system in addition to the replacement of approximately 1,000 LF of sewer system and upgrades of deteriorating sewer manholes. All the PA DOT permitting was secured for this project. A pre-construction meeting was held with HRG and EK Services in May 2021. EK Services worked with the Borough to secure the local road opening permits for construction. Due to delays in manufacturing and shipping reported by EK Services and characterized as force majeure (in the context of the COVID-19 pandemic), the construction start date was in October 2021. Substantial completion of the project occurred in July 2022. Pictured below is a section of replaced main in the 2017/2020 project.



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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

JULY 2023



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

As previously discussed during the monthly operations meetings and included in the DRAFT Capital Improvement Plan submitted on March 12, 2020, The Concessionaire is planning the rehabilitation of the three (3) water storage tanks in the water system. The design documents were completed (by the Veolia Engineering Department) and the required PADEP Permitting application for the High Street Tank was secured as of July 2021 for the High Street Tank. The project was advertised for bid proposals in July 2021 and only 2 bid proposals were received. The project went out for rebid in October 2021 with a target start date in March 2022 and will be distributed to more potential vendors to receive competitive pricing. IK Stoltzfus was the apparent low bidder and awarded the project. The permits for the High Street tank, Union Street tank, and Turnpike Tank have been approved by PA DEP. The High Street tank project mobilized on September 12, 2022 was completed in December 2022, and the tank was returned to service in February 2023. The project involved blasting the interior and exterior of the tank and repainting. Photos of the project are included below which depict the interior and exterior before and after the project. The Turnpike Tank rehabilitation mobilized on August 14, 2023.



MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

JULY 2023



Capital Improvement Plan

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

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT JULY 2023



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

	2022 and 5 YEAR CAPITAL IMPROVEMENT PLAN					
	2022	2023	2024	2025	2026	2027
BASE CAPITAL IMPROVEMENTS						
Headworks Wet Well Pump and Tank Rehabilitation Project			\$ -			
Well No. 4 Rehabilitation Project	\$ -	\$ 45,000	\$ -			\$ -
Well No. 3 Stripping Tower Rehabilitation Project	\$ -	\$ -	\$ -			
Well Upgrades (Pumps, controls, automation)	\$ 122,000	\$ 19,000	\$ 35,000	\$ 70,000	\$ 70,000	
Ventilation of ATAD Building Project	\$ -	\$ 20,000	\$ -			
Fire Alarm System Design Project	\$ -	\$ -	\$ -			
Customer Service Upgrade Project	\$ -	\$ 10,000	\$ -			
Blower Building Instrumentation Replacement Project			\$ 10,000			
SCADA Upgrade Project	\$ -	\$ 35,000	\$ 25,000			
WAS Storage Tank Instrumentation Replacement Project	\$ -	\$ -	\$ 15,000			
Biofilter Instrumentation Replacement Project	\$ -	\$ -	\$ -			
ATAD & SNDR Reactors Instrumentation Replacement Project	\$ 14,500	\$ 15,000	\$ -			
Headworks Instrumentation Replacement Project	\$ -	\$ -	\$ 27,000			
Biosolids Processing Instrumentation Replacement Project	\$ -	\$ -	\$ -			
Oxidation Ditch Instrumentation Replacement Project	\$ -	\$ -	\$ -			
Scum Pump Station Instrumentation Replacement Project	\$ -	\$ -	\$ -			
WWTP Facilities Security Upgrades Project	\$ -	\$ 10,000	\$ -	\$ 30,000	\$ 20,000	\$ 20,000
Well Facilities Security Upgrades Project	\$ -	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000
Well Evaluation and Upgrades Project	\$ -	\$ -	\$ -			
Trench Opening Restoration Project	\$ 54,487	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000
Water and WWTP System Evaluations	\$ 28,750	\$ 28,750	\$ 28,750	\$ 30,000	\$ 30,000	\$ 30,000
WWTP Electrical Upgrades	\$ -	\$ -	\$ 25,000	\$ 25,000	\$ 25,000	\$ 25,000
WWTP Safety Compliance Project	\$ -	\$ -	\$ 50,000			
Water and Wastewater Systems Miscellaneous Upgrades	\$ 170,000	\$ 170,000	\$ 150,000	\$ 162,000	\$ 160,000	\$ 235,000
Safety Upgrades	\$ -	\$ -	\$ -	\$ 20,000	\$ 20,000	\$ 20,000
TOTAL BASE CAPITAL IMPROVEMENTS *	\$ 389,737	\$ 402,750	\$ 415,750	\$ 387,000	\$ 395,000	\$ 400,000
PROPOSED YEARLY BUDGET FOR BASE CAPITAL PROJECTS **	\$ 390,838	\$ 414,679	\$ 439,974	\$ 466,813	\$ 495,288	\$ 525,501

	2022 *	2023 *	2024 *	2025 *	2026 *	2027 *
MAJOR CAPITAL IMPROVEMENTS						
Underground Infrastructure Replacements (2024 - 2027)	\$ -		\$ 2,513,794	\$ 2,513,794	\$ 2,513,794	\$ 2,513,794
Underground Infrastructure Replacements (2016)	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2017)	\$ 938,241	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2018)	\$ 205,019	\$ 1,564,000	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2019) ***	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2020)	\$ 938,241	\$ -	\$ -	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2021)	\$ 205,019	\$ 1,564,000	\$ -	\$ -	\$ -	\$ -
Spruce Street Sewer Relocation		\$ 279,450				
Underground Infrastructure Replacements (2022)		\$ 92,000	\$ 2,195,000	\$ -	\$ -	\$ -
Underground Infrastructure Replacements (2023)		\$ 92,000	\$ 2,302,090			
Water Storage Tank Rehabilitation - Union Street	\$ -	\$ 1,309,083	\$ -	\$ -	\$ -	\$ -
Water Storage Tank Rehabilitation - High Street	\$ 912,742	\$ -	\$ -	\$ -	\$ -	\$ -
Water Storage Tank Rehabilitation - Turnpike		\$ 955,938				
Headworks Upgrade (bar screen, pump, wiring, etc.)		\$ 876,300	\$ -	\$ -	\$ -	\$ -
Contingency (5%)		\$ 174,973	\$ 350,544	\$ 125,690	\$ 125,690	\$ 125,690
TOTAL MAJOR PROJECTS	\$ 3,199,263	\$ 6,907,743	\$ 7,361,428	\$ 2,639,484	\$ 2,639,484	\$ 2,639,484

REGULATORY COMPLIANCE

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

NOTES:

* All costs are in 2023

** Consumer Price Index rate of 6.1% (as of February 2023) is applied to the "Proposed Yearly Budget for Base Capital Projects" based on the Concessional Agreement

*** Final restoration related costs for project completion in 2021

**** Subject to PADEP direction and regulations (Cost estimate in 2023 dollars)

Environment, Health & Safety

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Environmental Incidents – Regulatory (PADEP/USEPA) notifications	0	0	0	0	0	0	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 –Hotline notifications	0	0	0	0	0	0	0	0					0
Environmental Incidents –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	34	77	4	17	48	16	8	8					212

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



September 30, 2023

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

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

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

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

RE: Laboratory Supervisor Certification – August 2023

Pursuant to Section 6.3 - Quality Control Reporting of the Operating Standards:

"I hereby certify that the analytical results reported in this NPDES Discharge Monitoring Report were obtained from analyses performed in accordance with the methods approved under 40 CFR 136, and that the appropriate quality control measures contained in the approved Quality Manual were strictly followed."

A handwritten signature in black ink that reads 'Kodi Webb'.

Kodi Webb
Project Manager
Veolia Middletown

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



September 30, 2023

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

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

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

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

RE: Environmental Laws Certification- August 2023

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

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

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

Kodi Webb
Project Manager
Veolia Middletown

MIDDLETOWN MONTHLY REPORT

APPENDIX 1 WASTEWATER

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

&

SMARTCOVER® MONITORING SYSTEM REPORT



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

Your eDMR Report Has Been Received For Permit No. PA0020664

1 message

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

Thu, Sep 28, 2023 at 10:32 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: 08/01/2023-08/31/2023

Report Due Date: 09/28/2023

Submitted By: Kodi Webb

Submission Id: 416230

Submission Status: Received

Submission Type: Original

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

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME: MIDDLETOWN WATER JT VENTURE LLC

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

FACILITY: MIDDLETOWN STP

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

STAGE: Final Effluent

PA0020664

PERMIT NUMBER

001

OUTFALL NUMBER

MONITORING PERIOD

YEAR

MO

DAY

2023

08

01

TO

YEAR

MO

DAY

2023

08

31

FROM

Reporting Frequency: Monthly

DMR Effective From: 08/01/2023

DMR Effective To: 08/31/2023

Permit Expires: 02/28/2026

Permit Application Due: 09/01/2025

No Discharge: ☐

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	SAMPLE MEASUREMENT	***	***		7.43	***	***	mg/L	1/day	Grab
	PERMIT REQUIREMENT	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	SAMPLE MEASUREMENT	***	***		7.5	***	7.7	S.U.	1/day	Grab
	PERMIT REQUIREMENT	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	SAMPLE MEASUREMENT	<21	39	lbs/day	***	<3.0	5.0	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	***	***		***	<4.49	***	mg/L	1/month	Calculation
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610)	SAMPLE MEASUREMENT	***	***		***	<.03	***	mg/L	2/week	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	SAMPLE MEASUREMENT	***	***		***	<.58	***	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	***	***		***	<3.91	***	mg/L	2/week	24-Hr Composite
	PERMIT REQUIREMENT	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Phosphorus (00665)	SAMPLE MEASUREMENT	7	***	lbs/day	***	.91	***	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	.9	1.519	MGD	***	***	***		Continuous	Measured
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	SAMPLE MEASUREMENT	***	***		***	.40	.64	mg/L	1/day	Grab
	PERMIT REQUIREMENT	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	SAMPLE MEASUREMENT	<1068.2	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	SAMPLE MEASUREMENT	<7.1	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	SAMPLE MEASUREMENT	<137.4	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	SAMPLE MEASUREMENT	<930.8	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	SAMPLE MEASUREMENT	217.8	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055)	SAMPLE MEASUREMENT	***	***		***	<4.0	20.0	No./100 ml	2/week	Grab
	PERMIT REQUIREMENT	***	***		***	200 Geo Mean	1000 IMAX		2/week	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	SAMPLE MEASUREMENT	<15	<16	lbs/day	***	<2.0	<2.0	mg/L	2/week	24-Hr Composite
	PERMIT REQUIREMENT	459 Avg Mo	734 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		2/week	24-Hr Composite
Facility 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: 08/01/2023

DMR Effective To: 08/31/2023

Permit Expires: 02/28/2026

Permit Application Due: 09/01/2025

No Discharge: ☐

MONITORING PERIOD

YEARMO DAY

202308 01

FROM

TO

YEARMO DAY

202308 31

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Nitrogen (Total Load, lbs) (51445)	SAMPLE MEASUREMENT	<1068.2	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	SAMPLE MEASUREMENT	217.8	***	lbs	***	***	***		1/month	Calculation
	PERMIT REQUIREMENT	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Facility Comments										

COMMONWEALTH OF PENNSYLVANIA

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BUREAU OF CLEAN WATER

DISCHARGE MONITORING REPORT (DMR)

NAME: MIDDLETOWN WATER JT VENTURE LLC

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

FACILITY: MIDDLETOWN STP

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

STAGE: Raw Sewage Influent

PA0020664

PERMIT NUMBER

001

OUTFALL NUMBER

MONITORING PERIOD

YEAR

MO

DAY

2023

08

01

TO

YEAR

MO

DAY

2023

08

31

Reporting Frequency:

Monthly

DMR Effective From:

08/01/2023

DMR Effective To:

08/31/2023

Permit Expires:

02/28/2026

Permit Application Due:

09/01/2025

No Discharge:

☐

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	SAMPLE MEASUREMENT	856	1568	lbs/day	***	112	***	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	546	1176	lbs/day	***	71	***	mg/L	2/week	24-Hr Composite
	PERMIT REQUIREMENT	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Facility Comments										

ATTACHMENT DETAILS

FILE NAME	ATTACHMENT TYPE	UPLOADED TIME	ATTACHMENT COMMENT
Aug biosolids	Land Application Systems Form	9/26/2023 8:46:44 AM	Aug biosolids
Aug Effluent Supplemental	Daily Effluent Monitoring Form	9/26/2023 8:47:27 AM	Aug Effluent Supplemental
Aug Chesapeake Bay	Annual Chesapeake Bay Spreadsheet	9/26/2023 8:49:14 AM	Aug Chesapeake Bay
August Influent	Influent and Process Control Form	9/28/2023 10:25:44 AM	

COMMENT DETAILS

COMMENTS	OPERATOR NAME	OPERATOR CERTIFICATION NUMBER	OPERATOR CONTACT NUMBER
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VEOLIA Middletown WWTP

August, 2023

DATE	EFF	M.J. Reider Composite Sample Test Results																				
	FLOW	BOD		CBOD		%Removd	SUSPENDED SOLIDS				%Removd	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	0.787	123	807	<2.0	<13.13	98.4	46	302	1.0	6.56	97.8	0.21	1.38	<2	<0.02	<0.13	<2.0	<13.32	<0.5	<3.28	<2.53	<16.6
02	0.784													<2								
03	0.354																					
04	0.897																					
05	0.773																					
06	0.914																					
07	1.059	58	515	<2.0	<17.67	96.6	37	327	2.0	17.67	94.6	0.86	7.60		0.03	0.27	<2.1	<18.11	<0.5	<4.42	<2.55	<22.5
08	0.843	76	533	<2.0	<14.06	97.4	54	380	6.0	42.17	88.9	1.00	7.03	11	0.04	0.28	<1.9	<13.49	<0.5	<3.51	<2.42	<17.0
09	0.792													<2								
10	0.803																					
11	0.863																					
12	0.836																					
13	0.802																					
14	0.988	141	1,162	<2.0	<16.49	98.6	74	610	6.0	49.46	91.9	1.45	11.95		<0.02	<0.16	<2.2	<17.80	<0.5	<4.12	<2.66	<21.9
15	0.843	81	568	<2.0	<14.06	97.5	66	464	4.0	28.12	93.9	1.47	10.33	3	0.04	0.28	<2.1	<14.41	<0.5	<3.51	<2.55	<17.9
16	0.918													<2								
17	1.519																					
18	1.038																					
19	0.904																					
20	0.906																					
21	0.923	76	581	<2.0	<15.40	97.4	66	508	1.0	7.70	98.5	0.88	6.78		0.03	0.23	<5.8	<44.35	0.6	4.62	<6.36	<49.0
22	0.892	115	856	<2.0	<14.88	98.3	80	595	2.0	14.88	97.5	0.69	5.13	20	<0.02	<0.15	<6.5	<48.51	0.6	4.61	<7.14	<53.1
23	0.922													3								
24	0.942																					
25	1.041																					
26	0.891																					
27	0.894																					
28	0.979	192	1,567	<2.0	<16.32	99.0	144	1,175	<1.0	8.16	99.3	0.90	7.35		0.03	0.24	<5.8	<47.26	0.8	6.12	<6.54	<53.4
29	0.923	145	1,116	<2.0	<15.40	98.6	72	554	2.0	15.40	97.2	0.74	5.70	3	0.04	0.31	<6.9	<52.97	0.7	5.70	<7.62	<58.7
30	0.916													3								
31	0.940																					

REVISED 9/18/15 M

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.	Influent COD	Comments
		Start	Finish	#1	#2	%	#1	#2	%	#1	#2	%	C	mg/L	
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												2023			
DAY	DITCH				RAS	WASTE			RR	F/M	SETTLING TEST		TEST		BLANKETS	
	TS		VS		TS	Gallons	Lbs	SRT			MINUTES		SVI	C1	C2	
	mg/L	lbs	mg/L	%	mg/L			Days			5	30		AM	AM	
01	3,691	44,948	2,399	65.0	5,585	10,000	466	62.72	4.68	0.03	680	360	98	12	0	
02	3,839	46,740	2,528	65.9	6,053	18,000	909	33.87	4.53	0.04	660	350	91	12	0	
03	3,538	43,082	2,252	63.7	4,669	13,000	506	54.16	4.80	0.07	650	350	99	12	0	
04	2,928	35,648	1,987	67.9	14,718	15,000	1,841	13.14	4.32	0.03	500	240	82	12	27	
05						15,000								12	12	
06						15,000								12	12	
07	3,570	43,467	1,879	52.6	5,420	15,000	678	33.74	5.75	0.09	650	330	92	12	12	
08	3,674	44,741	2,338	63.6	4,725	15,000	591	48.17	7.93	0.05	670	350	95	12	12	
09	3,410	41,520	2,046	60.0	4,529	15,000	567	46.97	5.34	0.06	660	340	100			
10	3,783	46,068	2,486	65.7	4,279	18,000	642	47.13	4.85	0.04	610	340	90	10	3	
11	3,655	44,509	2,298	62.9	5,696	18,000	855	32.72	5.35	0.04	550	300	82	12	12	
12						18,000										
13						18,000										
14	3,778	46,007	2,414	63.9	5,146	20,000	858	34.24	4.67	0.05	500	290	77	12	12	
15	3,412	41,544	2,201	64.5	5,005	20,000	835	32.11	4.82	0.07	450	230	67	12	12	
16	3,648	44,415	2,211	60.6	4,227	20,000	705	38.18	5.27	0.05	450	230	63	12	6	
17	4,035	24,568	2,594	64.3	6,809	21,000	1,193	13.24	5.41	0.09	580	310	77	12	12	
18	4,292	26,130	2,795	65.1	8,262	17,000	1,171	10.49	7.47	0.10	700	360	84	12	36	
19						19,000								12	24	
20						19,000										
21	5,034	30,651	3,393	67.4	8,985	28,000	2,098	9.85	5.23	0.07	810	450	89	14	12	
22	5,069	30,860	3,416	67.4	8,863	30,000	2,218	9.38	5.04	0.05	820	440	87	14	12	
23	4,961	30,205	3,343	67.4	8,220	30,000	2,057	9.90	4.59	0.08	790	410	83	12	12	
24	4,659	28,365	2,955	63.4	7,915	27,000	1,782	10.09	6.74	0.09	840	450	97	14	12	
25	4,762	28,994	3,209	67.4	9,576	25,000	1,997	9.79	5.89	0.08	800	400	84	12	12	
26						0										
27																
28	4,898	29,819	3,194	65.2	8,107	25,000	1,690	11.51	5.88	0.04	840	460	94	12	12	
29	4,770	29,041	3,349	70.2	7,898	24,000	1,581	12.90	5.02	0.11	860	470	99	14	20	
30	5,060	30,805	3,445	68.1	8,606	25,000	1,794	11.69	4.63	0.09	860	580	115	12	12	
31	4,684	28,515	3,018	64.4	8,207	25,000	1,711	10.74	6.54	0.08	870	490	105	13	15	
AVG	4,137	36,550	2,685	64.6	7,022	19,267	1,250	25.9	5.42	0.07	687	371	89	12	12	

Veolia Middletown WWTP

August

2023

ATAD TIME and TEMPERATURE																				
Date	Operator	Thickener					ATAD Level			ATAD Feed			ATAD		Minimum		ATAD to SNDR			
		End of feed		Disch. (ATAD Feed)			After			Gallons	TS	VS	End of feed				Date	Start		Gallons
		Temp.	Feed	TS	VS	VS	Start	Trans.	Feed				Avg	Time	Till Transfer			Time	Temp.	
															° F	Gals.				
08/01/23																				
08/02/23							8.6	7.8	7.8								8/2/23	13:40	138.7	12,766
08/03/23																				
08/04/23	AB	137.6	36,939	57,798	40,680	70.4	7.8	7.8	8.1	5,049	2,434	1,713	133.7	11:20	14.8	8/5/23 2:07				
08/05/23																				
08/06/23							8.1	7.8	7.8											
08/07/23	AB	135.9	46,188	49,077	34,202	69.7	7.8	7.8	8.1	5,049	2,067	1,440	133.7	11:30	14.8	8/8/23 2:17				
08/08/23																				
08/09/23																				
08/10/23																				
08/11/23	AB	132.0	100,319	47,891	32,118	67.1	8.1	8.1	8.7	10,098	4,033	2,705	133.7	14:30	14.8	8/12/23 5:17				
08/12/23																				
08/13/23							8.7	7.8	7.8								8/13/23	11:04	135.7	12,198
08/14/23	MB	133.7	62,996	44,890	30,564	68.1	7.8	7.8	8.2	6,732	2,520	1,716	133.0	13:00	16.8	8/15/23 5:45				
08/15/23																				
08/16/23																				
08/17/23																				
08/18/23	AB	132.0	92,199	46,399	32,845	70.8	8.2	8.2	9.0	13,464	5,210	3,688	133.0	14:30	16.8	8/19/23 7:15				
08/19/23																				
08/20/23							9.0	7.9	7.9								8/20/23	6:38	134.9	14,722
08/21/23	MB	130.6	70,352	41,984	29,294	69.8	7.9	7.9	8.8	15,147	5,304	3,701	133.0	13:00	16.8	8/22/23 5:45				
08/22/23																				
08/23/23																				
08/24/23							8.8	7.9	7.9								8/24/23	13:59	134.4	13,745
08/25/23	MB	129.9	94,389	46,214	32,294	69.9	7.9	7.9	8.8	15,147	5,838	4,080	131.8	14:00	20.8	8/26/23 10:46				
08/26/23																				
08/27/23							8.8	7.9	7.9								8/27/23	13:36	135.4	15,437
08/28/23	MB	131.5	88,250	36,083	25,432	70.5	7.9	7.9	8.8	15,147	4,558	3,213	133.1	14:00	16.5	8/29/23 6:27				
08/29/23																				
08/30/23							8.8	7.9	7.9								8/30/23	14:33	136.5	15,155
08/31/23	MB	133.0	80,525	37,629	26,328	70.0	7.9	7.9	8.6	11,781	3,697	2,587	133.1	13:30	16.5	9/1/23 5:57				

Veolia Middletown WWTP

August

2023

[illegible]

PA MIDDLETOWN WWTP

THICKENER MONTHLY REPORT

August

2023

DATE	RUN	FEED SLUDGE			DISCHARGE SLUDGE			POLYMER
	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01								
02								
03								
04	2.90	36,439	0.83	2,522	5,049	5.78	2,434	3
05								
06								
07	2.75	46,188	0.77	2,966	5,049	4.91	2,068	3
08								
09								
10								
11	7.00	100,319	0.64	5,355	10,098	4.79	4,034	7
12								
13								
14	5.50	61,946	0.69	3,565	6,732	4.49	2,521	4
15								
16								
17								
18	7.00	92,199	0.74	5,690	13,464	4.64	5,210	7
19								
20								
21	5.50	70,352	0.88	5,163	15,147	4.20	5,306	3
22								
23								
24								
25	6.50	94,389	1.01	7,951	15,147	4.62	5,836	9
26								
27								
28	6.50	88,250	0.92	6,771	15,147	3.61	4,560	8
29								
30								
31	6.00	890,525	0.89	5,977	11,781	3.76	3,694	7
TOTAL	50	1,480,607	7.37	45,960	97,614	40.80	35,663	51

REVISED 7/17/14

VEOLIA Middletown WWTP

Centrifuge Monthly Report

August

2023

Date	Run Time	Feed Sludge		Centrifuge Cake			Lime		Polymer	Alum	SNDR		Copper
	Hours	Gallons	% Solids	Pounds Dry Solids	Dry Tons	% Solids	Pounds Used	Pounds/Ton	Total Gallons	Total Gallons	pH	Level	Conc. mg/l
01													
02	4.50	20,317	2.55	4,321	2.16	32.5	350	162	13	82	5.9	8.0	
03													
04													
05													
06													
07													
08													
09													
10													
11													
12													
13													
14													
15													
16	5.00	21,326	2.58	4,589	2.29	33.6	367	160	14	82	5.9	8.0	
17													
18													
19													
20													
21													
22													
23	5.25	25,669	2.59	5,545	2.77	31.6	318	115	17	100	6.0	8.0	
24													
25													
26													
27													
28													
29													
30	7.00	28,369	2.65	6,270	3.14	31.4	376	120	19	112	6.0	8.0	
31													

PA MIDDLETOWN WWTP

August, 2023

BIOSOLIDS INVENTORY

DATE	DRY TONS		TO	USE	TOTAL ON SITE
	PROCESSED	DELIVERED			
08/01/23					
08/02/23	2.16			Agriculture	2.16
08/03/23					
08/04/23		2.16		Agriculture	0.00
08/05/23					
08/06/23					
08/07/23					
08/08/23					
08/09/23					
08/10/23					
08/11/23					
08/12/23					
08/13/23					
08/14/23					
08/15/23					
08/16/23	2.29			Agriculture	2.29
08/17/23		2.29		Agriculture	0.00
08/18/23					
08/19/23					
08/20/23					
08/21/23					
08/22/23					
08/23/23	2.77			Agriculture	2.77
08/24/23		2.77		Agriculture	0.00
08/25/23					
08/26/23					
08/27/23					
08/28/23					
08/29/23					
08/30/23	3.13			Agriculture	3.13
08/31/23		3.13			0.00
Total Tons	10.35	10.35		Total Tons	10.35
Metric Tons				Metric Tons	

2023

PA MIDDLETOWN WWTP

BIOSOLIDS INVENTORY

DATE	Dry Tons (US Short Tons)		Dry Tons (Metric Tons)	
	PROCESSED	DELIVERED	PROCESSED	DELIVERED
Jan, 2023	16.48	16.48	14.95	14.95
Feb, 2023	16.91	16.91	15.34	15.34
Mar, 2023	13.73	12.98	12.46	11.78
Apr, 2023	12.08	11.77	10.96	10.68
May, 2023	12.75	13.81	11.57	12.53
Jun, 2023	10.14	10.14	9.20	9.20
Jul, 2023	10.83	10.83	9.82	9.82
Aug, 2023	10.35	7.22	10.35	7.22
Sep, 2023				
Oct, 2023				
Nov, 2023				
Dec, 2023				
Total	103.27	100.14	93.68	90.85
Average	12.91	12.52	11.71	11.36
Maximum	16.91	16.91	15.34	15.34
Minimum	10.14	7.22	9.20	6.55

PA MIDDLETOWN WWTP

BIOSOLIDS VOLATILE REDUCTION

MONTH August

YEAR 2023

DAY	THICKENER DISCHARGE			SNDR			%
	TS	TVS	VS	TS	TVS	VS	VOL.
	mg/L		%	mg/L		%	REDUCT.
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							
21	47,000	32,994	70	24,700	13,600	55	58.8
22							
23							
24							
25							
26							
27							
28	45,000	31,815	71	25,200	14,000	56	56.0
29							
30							
31							
AVG	46000.00	32404.50	70.45	24950.00	13800.00	55.31	
% SOLIDS REDUCTION			45.76			57.41	%

REVISED 7/17/14

Veolia Middletown WWTP

Biosolids Volatile Reduction

M.J. Reider Results

2022

Date	Thickener Discharge			SNDR			Volatile Reduction
	TS	TVS	VS	TS	TVS	VS	
	mg/L		%	mg/L		%	%
01/04/23	55,000	42,240	77.0	31,900	18,300	56.7	56.7
02/13/23	61,000	46,846	77.0	25,900	14,000	54.0	70.1
03/06/23	52,000	39,988	77.0	26,500	14,600	55.0	63.5
03/20/23	61,000	47,373	78.0	26,900	15,000	56.0	68.3
04/05/23	61,000	47,458	78.0	26,400	14,600	55.0	69.2
04/17/23	61,000	46,665	77.0	26,200	14,600	56.0	68.7
05/01/23	56,000	42,280	75.5	26,200	14,500	55.0	65.7
05/22/23	56,000	42,168	75.3	25,900	14,300	55.0	66.1
06/07/23	50,000	36,900	74.0	26,400	14,900	56.0	59.6
06/20/23	57,000	41,496	73.0	25,600	14,400	56.0	65.3
07/05/23	59,000	41,182	70.0	25,500	14,300	56.0	65.3
07/17/23	49,000	34,986	71.0	25,700	14,100	55.0	59.7
08/21/23	47,000	32,994	70.0	24,700	13,600	55.0	58.8
08/28/23	45,000	31,815	71.0	25,200	14,000	56.0	56.0
AVG	55,000	41,028	74.6	26,357	14,657	55.6	
Avg. % TS Reduction		52.1	Avg. Mass Balance % VS Reduction				64.3

**PA MIDDLETOWN WWTP
2023 Annual Performance**

	Flow Data						BOD / CBOD						Phosphorus, Total		Fecal Colif.
	Total MG	Average MG	Maximum		Minimum		Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal	Eff mg/L	Eff Lbs	cfu/100mL
January	43.279	1.396	1/25/2023	2.105	1/18/2023	1.153	429	2	154,777	740	154,037	98.8	0.26	95	300
February	30.250	1.080	2/2/2023	1.317	2/15/2023	0.952	213	2	53,845	549	53,297	98.9	0.23	58	570
March	34.110	1.107	3/3/2023	2.352	3/13/2023	112.000	159	2	45,534	708	44,826	98.4	0.14	39	>20,000
April	42.004	1.400	4/30/2023	4.112	4/27/2023	0.840	123	2	43,063	832	42,231	98.0	0.19	65	200
May	32.718	1.055	5/1/2023	2.314	5/27/2023	0.758	100	2	27,169	546	26,624	97.6	0.31	83	8
June	28.085	0.936	6/12/2023	1.717	6/29/2023	0.491	140	2	32,742	468	32,274	98.4	0.25	59	8
July	30.661	0.989	7/9/2023	1.816	7/31/2023	0.788	104	2	26,551	551	26,040	97.9	0.50	128	26
August	27.888	0.900	8/17/2023	1.519	8/3/2023	0.354	112	2	26,011	465	25,546	98.0	0.91	212	20
September															
October															
November															
December															
Total	268.995								409,692	4,859	404,875			739	
Average	33.624	1.108		2.157		14.667	173	2	51,212	607	50,609	98.3	0.35	92	
Maximum	43.279	1.400		4.112		112.000	429	2	154,777	832	154,037	98.9	0.91	212	
Minimum	27.888	0.900		1.317		0.354	100	2	26,011	465	25,546	97.6	0.14	39	
	TSS						Ammonia		TKN		Nitrate+Nitrite				Fecal Colif.
	Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Eff mg/L	Eff Lbs	Geo. Mean
January	475	3	171,377	1,119	170,258	98.0	0.12	39	0.9	311	7.27	2,625	8.14	2,936	43
February	176	2	44,475	460	44,014	98.3	0.04	10	1.0	253	8.25	2,081	9.25	2,334	122
March	106	2	30,404	608	29,796	97.6	0.06	18	1.1	323	6.79	1,943	7.92	2,266	>53
April	64	3	22,552	920	21,632	95.9	0.03	10	1.0	361	2.07	725	3.10	1,086	<6
May	99	2	27,096	409	26,686	98.1	0.03	7	0.6	175	2.00	545	2.64	720	<3
June	118	2	27,610	498	27,112	97.3	0.07	16	0.7	167	2.51	587	3.22	754	<3
July	57	3	14,576	852	13,723	92.5	0.04	10	0.6	164	2.18	556	2.82	710	<3
August	71	3	16,514	646	15,867	95.5	0.03	7	0.6	135	3.91	909	4.49	1,043	<4
September															
October															
November															
December															
Total			354,604	5,512	349,088			117	7	1,889		9,971		11,849	
Average	145.8	2.5	44,326	689	43,636	96.7	0.05	15	1	236	4.37	1,246	5.20	1,481	
Maximum	475.0	3.0	171,377	1,119	170,258	98.3	0.12	39	1	361	8.25	2,625	9.25	2,936	
Minimum	57.0	2.0	14,576	409	13,723	92.5	0.03	7	1	135	2.00	545	2.64	710	

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

Day	Influent					Process Control				
	Flow (MGD)	BOD ₅ (mg/l)	BOD ₅ (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	0.787	123.0	807	46.0	302	3,691.0		10,000.0		
2	0.784					3,839.0		18,000.0		
3	0.354					3,538.0		13,000.0		
4	0.897					2,928.0		15,000.0		
5	0.773							15,000.0		
6	0.914							15,000.0		
7	1.059	58.3	515	37.0	327	3,570.0		15,000.0		
8	0.843	75.9	534	54.0	380	3,674.0		15,000.0		
9	0.792					3,410.0		15,000.0		
10	0.803					3,783.0		18,000.0		
11	0.863					3,655.0		18,000.0		
12	0.836							18,000.0		
13	0.802							18,000.0		
14	0.988	141.0	1,162	74.0	610	3,778.0		20,000.0		
15	0.843	80.8	568	66.0	464	3,412.0		20,000.0		
16	0.918					3,648.0		20,000.0		
17	1.519					4,035.0		21,000.0		
18	1.038					4,292.0		17,000.0		
19	0.904							19,000.0		
20	0.906							19,000.0		
21	0.923	75.5	581	66.0	508	5,034.0		28,000.0		
22	0.892	115.0	856	80.0	595	5,069.0		30,000.0		
23	0.922					4,961.0		30,000.0		
24	0.942					4,659.0		27,000.0		
25	1.041					4,762.0		25,000.0		
26	0.891							0.0		
27	0.894							25,000.0		
28	0.979	192.0	1,568	144.0	1,176	4,898.0		25,000.0		
29	0.923	145.0	1,116	72.0	554	4,770.0		24,000.0		
30	0.916					5,060.0		25,000.0		
31	0.94					4,684.0		25,000.0		
Avg	0.9	112	856	71	546	4,137		19,452		
Max	1.519	192	1,568	144	1,176	5,069		30,000		

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

Prepared By: Kodi Webb
Title: Project Manager

License No.: 23501
Date: 9/28/2023

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

3800-FM-BCW0435 3/2012

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

Month: 8 (select number) Year: 2023
Permit No.: PA0020664 Outfall: 001
Renewal application due **180 days** prior to expiration.
This permit will expire on: February 28, 2026

Parameter			Flow	pH	Dissolved Oxygen	TRC	NH3-N	CBOD5	Total Phosphorus	TSS	Fecal Coliform																
Stage			1	1	1	1	1	1	1	1	1																
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	CFU/100 ml	Q		Q		Q		Q		Q		Q	
1	Sun	7/30/23																									
	Mon	7/31/23																									
	Tue	8/1/23	0.787		7.7		7.73		0.36	<	0.02	<	2.0		0.21		1.0	<	2.0								
	Wed	8/2/23	0.784		7.6		7.79		0.64									<	2.0								
	Thu	8/3/23	0.354		7.6		7.89		0.58																		
	Fri	8/4/23	0.897		7.6		7.96		0.36																		
	Sat	8/5/23	0.773		7.6		7.99		0.49																		
2	Sun	8/6/23	0.914		7.6		8.05		0.55																		
	Mon	8/7/23	1.059		7.7		7.77		0.32		0.03	<	2.0		0.86		2.0										
	Tue	8/8/23	0.843		7.7		7.8		0.39		0.04	<	2.0		1.0		6.0		11.0								
	Wed	8/9/23	0.792		7.7		7.87		0.27								<	2.0									
	Thu	8/10/23	0.803		7.7		7.76		0.37																		
	Fri	8/11/23	0.863		7.6		7.9		0.44																		
	Sat	8/12/23	0.836		7.6		7.84		0.37																		
3	Sun	8/13/23	0.802		7.6		7.86		0.35																		
	Mon	8/14/23	0.988		7.7		7.56		0.34	<	0.02	<	2.0		1.45		6.0										
	Tue	8/15/23	0.843		7.7		7.63		0.29		0.04	<	2.0		1.47		4.0		3.0								
	Wed	8/16/23	0.918		7.6		7.76		0.29									<	2.0								
	Thu	8/17/23	1.519		7.5		7.57		0.11																		
	Fri	8/18/23	1.038		7.6		7.61		0.23																		
	Sat	8/19/23	0.904		7.6		7.65		0.24																		
4	Sun	8/20/23	0.906		7.6		7.6		0.45																		
	Mon	8/21/23	0.923		7.7		7.8		0.48		0.03	<	2.0		0.88		1.0										
	Tue	8/22/23	0.892		7.7		7.81		0.35	<	0.02	<	2.0		0.69		2.0		20.0								
	Wed	8/23/23	0.922		7.6		7.89		0.33										3.0								
	Thu	8/24/23	0.942		7.7		7.78		0.46																		
	Fri	8/25/23	1.041		7.6		7.69		0.23																		
	Sat	8/26/23	0.891		7.6		7.78		0.35																		
5	Sun	8/27/23	0.894		7.7		7.8		0.28																		
	Mon	8/28/23	0.979		7.7		7.55		0.32		0.03	<	2.0		0.9	<	1.0										
	Tue	8/29/23	0.923		7.7		7.7		0.39		0.04	<	2.0		0.74		2.0		3.0								
	Wed	8/30/23	0.916		7.7		7.52		0.36										3.0								
	Thu	8/31/23	0.94		7.6		7.43		0.48																		
	Fri	9/1/23																									
	Sat	9/2/23																									
Statistics for DMR																											
Daily Minimum (Conc.):					7.5		7.43		0.11	<	0.02	<	2		0.21	<	1	<	2								
Daily Maximum (Conc.):					7.7		8.05		0.64		0.04	<	2		1.47		6		20								
Max Avg Weekly (Conc.):							7.87		0.5		0.04	<	2		1		5										
Avg Monthly (Conc.):							7.75		0.4	<	0.03	<	2		0.91	<	3										
Geometric Mean (Conc.):																		<	4								
Max Avg Weekly (Load):			1.002				64		3		0.3	<	16		11		39										
Avg Monthly (Load):			0.9				58		3	<	0.2	<	15		7	<	21										
Total Monthly (Load):			27.886				1800		83	<	7	<	473		218	<	655										
Daily Minimum (Load):			0.354				23		1	<	0.1	<	13		1		7										
Daily Maximum (Load):			1.519				96		4		0.3	<	18		12		49										

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: 9/25/2023

CHESAPEAKE BAY SUPPLEMENTAL REPORT ANNUAL NUTRIENT MONITORING

☒ Continuous Discharge

Facility Name: **Middletown STP**
Municipality: **Middletown Borough** County: **Dauphin**
Watershed: **7-C**
TN Cap Load (lbs): **40,182** ☒ Sewage ☐ Industrial Waste
TN Delivery Ratio: **0.837**

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

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

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

1/11/23	1.219																			
1/12/23	1.366																			
1/13/23	1.347																			
1/14/23	1.309																			
1/15/23	1.262																			
1/16/23	1.228	0.15		1.5	<	0.03	<	0.3		0.8		8.2	<	6.2	<	63.5	<	7.00	<	71.7
1/17/23	1.255	0.1		1.0	<	0.02	<	0.2		0.6		6.3	<	5.6	<	58.6	<	6.20	<	64.9
1/18/23	1.153																			
1/19/23	1.431																			
1/20/23	1.266																			
1/21/23	1.212																			
1/22/23	1.453																			
1/23/23	1.682	0.14		2.0		0.03		0.4	<	0.5	<	7.0	<	6.2	<	87.0	<	6.70	<	94.0
1/24/23	1.315	0.1		1.1	<	0.02	<	0.2		0.7		7.7	<	8.1	<	88.8	<	8.80	<	96.5
1/25/23	2.105																			
1/26/23	1.960																			
1/27/23	1.608																			
1/28/23	1.404																			
1/29/23	1.392																			
1/30/23	1.313	1.31		14.3		0.52		5.7		1.7		18.6		10.5		115.0		12.20		133.6
1/31/23	1.237	0.28		2.9		0.38		3.9		1.35		13.9		8.71		89.9		10.06		103.8
2/1/23	1.253																			
2/2/23	1.317																			
2/3/23	1.126																			
2/4/23	1.134																			
2/5/23	1.157																			
2/6/23	1.186	0.09		0.9		0.05		0.5		0.88		8.7	<	7.49	<	74.1	<	8.37	<	82.8
2/7/23	1.088	0.14		1.3	<	0.02	<	0.2		0.64		5.8	<	8.36	<	75.9	<	9.00	<	81.7
2/8/23	1.078																			
2/9/23	1.110																			
2/10/23	1.017																			
2/11/23	1.048																			
2/12/23	1.092																			
2/13/23	1.124	0.16		1.5		0.03		0.3		1.1		10.3	<	7.3	<	68.4	<	8.40	<	78.7
2/14/23	0.986	0.1		0.8		0.05		0.4		1.2		9.9	<	7.79	<	64.1	<	8.99	&	

[illegible]

5/5/23	1.279																					
5/6/23	1.145																					
5/7/23	1.188																					
5/8/23	1.157	0.13		1.3	<	0.02	<	0.2		0.66		6.4	<	2.19	<	21.1	<	2.85	<	27.5		
5/9/23	1.059	0.14		1.2		0.02		0.2		0.58		5.1	<	2.03	<	17.9	<	2.61	<	23.1		
5/10/23	1.052																					
5/11/23	0.993																					
5/12/23	1.006																					
5/13/23	1.073																					
5/14/23	0.991																					
5/15/23	1.014	0.28		2.4	<	0.02	<	0.2	<	0.5	<	4.2	<	2.27	<	19.2	<	2.77	<	23.4		
5/16/23	0.921	0.34		2.6		0.02		0.2	<	0.5	<	3.8	<	2.02	<	15.5	<	2.52	<	19.4		
5/17/23	0.945																					
5/18/23	0.937																					
5/19/23	0.973																					
5/20/23	0.926																					
5/21/23	0.903																					
5/22/23	0.908	0.43		3.3		0.02		0.2	<	0.5	<	3.8	<	2.32	<	17.6	<	2.82	<	21.4		
5/23/23	0.836	0.5		3.5		0.05		0.3		0.54		3.8	<	2.05	<	14.3	<	2.59	<	18.1		
5/24/23	0.832																					
5/25/23	0.826																					
5/26/23	0.883																					
5/27/23	0.758																					
5/28/23	0.764																					
5/29/23	0.779	0.43		2.8	<	0.02	<	0.1	<	0.5	<	3.2	<	1.8	<	11.7	<	2.30	<	14.9		
5/30/23	0.869	0.37		2.7		0.02		0.1		0.75		5.4	<	2.36	<	17.1	<	3.11	<	22.5		
5/31/23	0.777																					
6/1/23	0.790																					
6/2/23	0.760																					
6/3/23	0.767																					
6/4/23	0.778																					
6/5/23	0.828																					
6/6/23	0.776	0.37		2.4	<	0.02	<	0.1		0.5		3.2	<	1.88	<	12.2	<	2.38	<	15.4		
6/7/23	0.753	0.54		3.4		0.05		0.3		1.24		7.8	<	1.94	<	12.2	<	3.18	<	20.0		
6/8/23	1.448																					
6/9/23	0.828																					
6/10/23	0.716																					
6/11/23	0.726																					
6/12/23	1.717	0.5		7.2		0.34		4.9		0.66		9.5		2.51		35.9		3.17		45.4		
6/13/23	0.918	0.2		1.5		0.03		0.2	<	0.5	<	3.8	<	2.12	<	16.2	<	2.62	<	20.1		
6/14/23	1.016																					
6/15/23	0.891																					
6/16/23	0.916																					
6/17/23	0.809																					
6/18/23	0.764																					
6/19/23	0.755	0.12		0.8		0.02		0.1		0.77		4.8	<	2.22	<	14.0	<	2.99	<	18.8		
6/20/23	0.835	0.1		0.7		0.02		0.1		0.76		5.3	<	3.78	<	26.3	<	4.54	<	31.6		
6/21/23	0.871																					
6/22/23	0.973																					
6/23/23	1.241																					
6/24/23	1.234																					
6/25/23	0.990																					
6/26/23	1.141	0.1		1.0		0.03		0.3		0.68		6.5	<	2.85	<	27.1	<	3.53	<	33.6		
6/27/23	1.390	0.09		1.0		0.03		0.3		0.6		7.0	<	2.74	<	31.8	<	3.34	<	38.7		
6/28/23	1.158																					
6/29/23	0.491																					
6/30/23	0.801																					

8/27/23	0.894																				
8/28/23	0.979		0.9		7.3		0.03		0.2		0.75		6.1	<	5.79	<	47.3	<	6.54	<	53.4
8/29/23	0.923		0.74		5.7		0.04		0.3		0.74		5.7	<	6.88	<	53.0	<	7.62	<	58.7
8/30/23	0.916																				
8/31/23	0.940																				
9/1/23																					
9/2/23																					
9/3/23																					
9/4/23																					
9/5/23																					
9/6/23																					
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9/28/23																					
9/29/23																					
9/30/23																					
Avg	1.112		0.41		3.7	<	0.05	<	0.5	<	0.82	<	7.6	<	4.66	<	44.3	<	5.48	<	51.8
Annual Total Mass Loads (lbs):					1342			<	180			<	2763			<	16156			<	18919

P Credits Generated: 613

N Credits Generated: 985

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: 9/25/2023

Monthly Statistics

Monthly Total Mass Loads (lbs)

Month	Total Phosphorus (TP)	NH ₃ -N	TKN	NO ₂ +NO ₃ as N	Total Nitrogen (TN)
October	133.1	< 12.2	288.2	< 804.5	< 1092.7
November	161.3	< 13.2	198.9	< 1582.3	< 1781.2
December	243.1	< 14.7	< 241.8	< 2736.8	< 2978.6
January	93	< 39.4	< 302.2	< 2594.9	< 2897.1

February	32.5	< 9.6	265.9	< 2063.7	< 2329.6
March	39.8	< 17.2	320.2	< 1911.2	< 2231.3
April	43.9	< 8.7	243.6	< 490	< 733.6
May	84.4	< 8.6	< 207.8	< 573.1	< 780.9
June	67.2	< 24.2	< 179.5	< 658.9	< 838.4
July	115.4	9.2	< 155.6	< 528.1	< 683.7
August	217.8	< 7.1	< 137.4	< 930.8	< 1068.2
September					

Average Monthly Concentrations (mg/L)

<u>Month</u>	<u>Total Phosphorus (TP)</u>	<u>NH₃-N</u>	<u>TKN</u>	<u>NO₂+NO₃ as N</u>	<u>Total Nitrogen (TN)</u>
October	0.43	< 0.04	0.94	< 2.54	< 3.49
November	0.61	< 0.05	0.74	< 5.93	< 6.67
December	0.76	< 0.05	< 0.75	< 8.55	< 9.3
January	0.26	< 0.12	< 0.88	< 7.28	< 8.16
February	0.13	< 0.04	1.03	< 8.04	< 9.07
March	0.14	< 0.06	1.13	< 6.79	< 7.92
April	0.19	< 0.04	1.03	< 2.07	< 3.1
May	0.31	< 0.03	< 0.64	< 2	< 2.64
June	0.25	< 0.07	< 0.71	< 2.51	< 3.22
July	0.5	0.04	< 0.64	< 2.18	< 2.82
August	0.91	< 0.03	< 0.58	< 3.91	< 4.49
September					

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

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

TOTAL:

Site Name	Marvin Weaver Cedar Rd Farm			
Municipality	Conewago Township			
County	Dauphin County			
DEP Permit No.	PAG07-3504			
Type of Material*	Biosolids			
Dry Tons Applied/Disposed	10.34			
Type of Disposal/Use*	Agricultural Utilization			
Hauler Name	BORO. MIDDLETOWN			

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

License No.: 23501
Date: September 28, 2023



M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2328422

Report: 08/09/23

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: 2328422-01 **Collected By:** Client **Sampled:** 08/01/23 07:18 **Received:** 08/01/23 14:00
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	102	mg/l	2.0	SM 5210 B	08/02/23 9:40	B-04	EAK
Solids, Total Suspended	34	mg/l	1	SM 2540 D	08/02/23		ALD

Lab ID: 2328422-02 **Collected By:** Client **Sampled:** 08/01/23 07:27 **Received:** 08/01/23 14:00
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.05	mg/l	0.02	EPA 350.1 Rev 2.0	08/01/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/02/23 14:58	B-01	RXN
Nitrate as N	2.26	mg/l	1.00	EPA 300.0 Rev 2.1	08/01/23 18:18		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/01/23 18:18		KCS
Nitrate+Nitrite as N	<2.36	mg/l	1.10	CALCULATED	08/01/23 18:18		KCS
Nitrogen, Total	<2.86	mg/l	1.60	CALCULATED	08/02/23 18:55		JMW
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	08/02/23		JMW
Phosphorus as P, Total	0.83	mg/l	0.01	SM 4500-P F	08/01/23		JMW
Solids, Total Suspended	5	mg/l	1	SM 2540 D	08/02/23		ALD

Lab ID: 2328422-03 **Collected By:** Client **Sampled:** 08/01/23 10:33 **Received:** 08/01/23 14:00
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	8/1/23 15:22	8/2/23 14:12		JMW



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M.J. Reider Associates, Inc.

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2328422-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3H0083	08/01/2023	SNF

Notes and Definitions

- B-01 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L.
B-04 The difference between the highest and lowest results were greater than 30%.



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2330461

Report: 08/16/23

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: 2330461-01 **Collected By:** Client **Sampled:** 08/02/23 08:02 **Received:** 08/02/23 14:50
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	123	mg/l	2.0	SM 5210 B	08/03/23 16:08		EAK
Solids, Total Suspended	46	mg/l	1	SM 2540 D	08/03/23		ALD

Lab ID: 2330461-02 **Collected By:** Client **Sampled:** 08/02/23 08:25 **Received:** 08/02/23 14:50
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1 Rev 2.0	08/03/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/03/23 17:17	B-01	EAK
Nitrate as N	1.93	mg/l	1.00	EPA 300.0 Rev 2.1	08/02/23 16:55		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/02/23 16:55		KCS
Nitrate+Nitrite as N	<2.03	mg/l	1.10	CALCULATED	08/02/23 16:55		KCS
Nitrogen, Total	<2.53	mg/l	1.60	CALCULATED	08/04/23 14:22		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	08/04/23		SNF
Phosphorus as P, Total	0.21	mg/l	0.01	SM 4500-P F	08/03/23		JMW
Solids, Total Suspended	1	mg/l	1	SM 2540 D	08/03/23		ALD

Lab ID: 2330461-03 **Collected By:** Client **Sampled:** 08/02/23 13:23 **Received:** 08/02/23 14:50
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	8/2/23 16:12	8/3/23 14:12		RMB



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Additional accreditations by MD (261)

M.J. Reider Associates, Inc.

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2330461-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3H0244	08/03/2023	JMW

Notes and Definitions

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



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2327187

Report: 08/16/23

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: 2327187-01 **Collected By:** Client **Sampled:** 08/08/23 07:34 **Received:** 08/08/23 13:40
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	58.3	mg/l	2.0	SM 5210 B	08/09/23 12:02		INW
Solids, Total Suspended	37	mg/l	1	SM 2540 D	08/09/23		ALD

Lab ID: 2327187-02 **Collected By:** Client **Sampled:** 08/08/23 08:01 **Received:** 08/08/23 13:40
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.03	mg/l	0.02	EPA 350.1 Rev 2.0	08/08/23		NJG
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/09/23 10:29	B-03	EAK
Nitrate as N	1.95	mg/l	1.00	EPA 300.0 Rev 2.1	08/08/23 15:22		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/08/23 15:22		KCS
Nitrate+Nitrite as N	<2.05	mg/l	1.10	CALCULATED	08/08/23 15:22		KCS
Nitrogen, Total	<2.55	mg/l	1.60	CALCULATED	08/09/23 16:12		NJG
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	08/09/23		NJG
Phosphorus as P, Total	0.86	mg/l	0.01	SM 4500-P F	08/08/23		NJG
Solids, Total Suspended	2	mg/l	1	SM 2540 D	08/09/23		ALD

Lab ID: 2327187-03 **Collected By:** Client **Sampled:** 08/08/23 09:13 **Received:** 08/08/23 13:40
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	11	/100ml	2	SM 9222 D	8/8/23 14:23	8/9/23 14:15		RMB



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Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2327187-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3H0564	08/08/2023	NJG

Notes and Definitions

B-03 The Glucose-Glutamic Acid check was below the acceptable criteria of 198 ± 30.5 mg/L.



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

Certificate of Analysis

Laboratory No.: 2327375

Report: 08/17/23

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: 2327375-01

Collected By: Client

Sampled: 08/09/23 07:46

Received: 08/09/23 13:50

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	75.9	mg/l	2.0	SM 5210 B	08/10/23 14:24		KMS
Solids, Total Suspended	54	mg/l	1	SM 2540 D	08/10/23		ALD

Lab ID: 2327375-02

Collected By: Client

Sampled: 08/09/23 08:05

Received: 08/09/23 13:50

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.04	mg/l	0.02	EPA 350.1 Rev 2.0	08/10/23		NJG
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/10/23 17:04		KMS
Nitrate as N	1.82	mg/l	1.00	EPA 300.0 Rev 2.1	08/09/23 19:54		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/09/23 19:54		KCS
Nitrate+Nitrite as N	<1.92	mg/l	1.10	CALCULATED	08/09/23 19:54		KCS
Nitrogen, Total	<2.42	mg/l	1.60	CALCULATED	08/11/23 14:05		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	08/11/23		SNF
Phosphorus as P, Total	1.00	mg/l	0.01	SM 4500-P F	08/10/23		NJG
Solids, Total Suspended	6	mg/l	1	SM 2540 D	08/10/23		ALD



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Lab ID: 2327375-03 **Collected By:** Client **Sampled:** 08/09/23 10:00 **Received:** 08/09/23 13:50
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	8/9/23 14:38	8/9/23 16:55		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2327375-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3H0745	08/10/2023	NJG



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

Certificate of Analysis

Laboratory No.: 2329642

Report: 08/24/23

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: 2329642-01

Collected By: Client

Sampled: 08/15/23 07:23

Received: 08/15/23 14:10

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	141	mg/l	2.0	SM 5210 B	08/16/23 15:58		EAK
Solids, Total Suspended	74	mg/l	1	SM 2540 D	08/17/23		ALD

Lab ID: 2329642-02

Collected By: Client

Sampled: 08/15/23 07:43

Received: 08/15/23 14:10

Sample Desc: Effluent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	<0.02	mg/l	0.02	EPA 350.1 Rev 2.0	08/15/23		NJG
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/16/23 14:18		EAK
Nitrate as N	2.06	mg/l	1.00	EPA 300.0 Rev 2.1	08/15/23 17:55		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/15/23 17:55		KCS
Nitrate+Nitrite as N	<2.16	mg/l	1.10	CALCULATED	08/15/23 17:55		KCS
Nitrogen, Total	<2.66	mg/l	1.60	CALCULATED	08/16/23 16:05		NJG
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	08/16/23		NJG
Phosphorus as P, Total	1.45	mg/l	0.01	SM 4500-P F	08/15/23		NJG
Solids, Total Suspended	6	mg/l	1	SM 2540 D	08/16/23		ALD



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Lab ID: 2329642-03 **Collected By:** Client **Sampled:** 08/15/23 12:21 **Received:** 08/15/23 14:10
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	8/15/23 16:28	8/16/23 14:29		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2329642-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3H1038	08/15/2023	JMW



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

Certificate of Analysis

Laboratory No.: 2331587

Report: 08/24/23

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: 2331587-01

Collected By: Client

Sampled: 08/16/23 08:46

Received: 08/16/23 13:10

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	80.8	mg/l	2.0	SM 5210 B	08/17/23 11:31	B-03	KMS
Solids, Total Suspended	66	mg/l	1	SM 2540 D	08/17/23		ALD

Lab ID: 2331587-02

Collected By: Client

Sampled: 08/16/23 07:55

Received: 08/16/23 13:10

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	08/17/23		NJG
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/17/23 14:26		EAK
Nitrate as N	1.95	mg/l	1.00	EPA 300.0 Rev 2.1	08/16/23 23:52		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/16/23 23:52		KCS
Nitrate+Nitrite as N	<2.05	mg/l	1.10	CALCULATED	08/16/23 23:52		KCS
Nitrogen, Total	<2.55	mg/l	1.60	CALCULATED	08/21/23 15:26		JMW
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	08/21/23		JMW
Phosphorus as P, Total	1.47	mg/l	0.01	SM 4500-P F	08/17/23		NJG
Solids, Total Suspended	4	mg/l	1	SM 2540 D	08/18/23		ALD



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Lab ID: 2331587-03 **Collected By:** Client **Sampled:** 08/16/23 10:53 **Received:** 08/16/23 13:10
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	8/16/23 15:44	8/17/23 14:46		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2331587-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3H1201	08/17/2023	JMW

Notes and Definitions

B-03 The Glucose-Glutamic Acid check was below the acceptable criteria of 198 ± 30.5 mg/L.



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

Certificate of Analysis

Laboratory No.: 2332712

Report: 08/30/23

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: 2332712-01

Collected By: Client

Sampled: 08/22/23 07:42

Received: 08/22/23 14:42

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	75.5	mg/l	2.0	SM 5210 B	08/23/23 11:23		INW
Solids, Total Suspended	66	mg/l	1	SM 2540 D	08/23/23		ALD

Lab ID: 2332712-02

Collected By: Client

Sampled: 08/22/23 08:48

Received: 08/22/23 14:42

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 Rev 2.0	08/22/23		NJG
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/23/23 9:47	B-03	EAK
Nitrate as N	5.66	mg/l	1.00	EPA 300.0 Rev 2.1	08/23/23 1:36		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/23/23 1:36		KCS
Nitrate+Nitrite as N	<5.76	mg/l	1.10	CALCULATED	08/23/23 1:36		KCS
Nitrogen, Total	<6.36	mg/l	1.60	CALCULATED	08/25/23 12:51		SNF
Nitrogen, Total Kjeldahl (TKN)	0.60	mg/l	0.50	EPA 351.2 Rev 2.0	08/25/23		SNF
Phosphorus as P, Total	0.88	mg/l	0.01	SM 4500-P F	08/22/23		NJG
Solids, Total Suspended	1	mg/l	1	SM 2540 D	08/23/23		ALD



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M.J. Reider Associates, Inc.

Lab ID: 2332712-03 **Collected By:** Client **Sampled:** 08/22/23 11:20 **Received:** 08/22/23 14:42
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	20	/100ml	2	SM 9222 D	8/22/23 15:12	8/23/23 14:27		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2332712-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3H1510	08/22/2023	NJG

Notes and Definitions

B-03 The Glucose-Glutamic Acid check was below the acceptable criteria of 198 ± 30.5 mg/L.



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

Certificate of Analysis

Laboratory No.: 2332425

Report: 08/30/23

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: 2332425-01

Collected By: Client

Sampled: 08/23/23 07:21

Received: 08/23/23 13:25

Sample Desc: Influent (24Hr Composite)

Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	115	mg/l	2.0	SM 5210 B	08/24/23 9:35	B-03	KMS
Solids, Total Suspended	80	mg/l	1	SM 2540 D	08/24/23		ALD

Lab ID: 2332425-02

Collected By: Client

Sampled: 08/23/23 08:36

Received: 08/23/23 13:25

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 Rev 2.0	08/23/23		NJG
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/24/23 12:33	B-03	KMS
Nitrate as N	6.42	mg/l	1.00	EPA 300.0 Rev 2.1	08/23/23 16:01		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/23/23 16:01		KCS
Nitrate+Nitrite as N	<6.52	mg/l	1.10	CALCULATED	08/23/23 16:01		KCS
Nitrogen, Total	<7.14	mg/l	1.60	CALCULATED	08/25/23 18:54		SNF
Nitrogen, Total Kjeldahl (TKN)	0.62	mg/l	0.50	EPA 351.2 Rev 2.0	08/25/23		SNF
Phosphorus as P, Total	0.69	mg/l	0.01	SM 4500-P F	08/23/23		NJG
Solids, Total Suspended	2	mg/l	1	SM 2540 D	08/24/23		ALD



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Lab ID: 2332425-03 **Collected By:** Client **Sampled:** 08/23/23 10:16 **Received:** 08/23/23 13:25
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	8/23/23 15:55	8/24/23 14:33		RMB

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2332425-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3H1592	08/23/2023	NJG

Notes and Definitions

B-03 The Glucose-Glutamic Acid check was below the acceptable criteria of 198 ± 30.5 mg/L.



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

Certificate of Analysis

Laboratory No.: 2333440

Report: 09/06/23

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: 2333440-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 08/29/23 08:03 **Received:** 08/29/23 14:14
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	192	mg/l	2.0	SM 5210 B	08/30/23 12:56	B-01	KMS
Solids, Total Suspended	144	mg/l	1	SM 2540 D	08/30/23		ALD

Lab ID: 2333440-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 08/29/23 08:36 **Received:** 08/29/23 14:14
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.03	mg/l	0.02	EPA 350.1 Rev 2.0	08/29/23		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/30/23 11:19	B-01	KMS
Nitrate as N	5.69	mg/l	1.00	EPA 300.0 Rev 2.1	08/29/23 18:29		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/29/23 18:29		KCS
Nitrate+Nitrite as N	<5.79	mg/l	1.10	CALCULATED	08/29/23 18:29		KCS
Nitrogen, Total	<6.54	mg/l	1.60	CALCULATED	09/01/23 10:42		SNF
Nitrogen, Total Kjeldahl (TKN)	0.75	mg/l	0.50	EPA 351.2 Rev 2.0	09/01/23		SNF
Phosphorus as P, Total	0.90	mg/l	0.01	SM 4500-P F	08/29/23		SNF
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	08/30/23		ALD

Lab ID: 2333440-03 **Collected By:** Client
Sample Desc: Effluent (Grab)

Sampled: 08/29/23 10:34 **Received:** 08/29/23 14:14
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	3	/100ml	2	SM 9222 D	8/29/23 16:57	8/30/23 14:57		JMW



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Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2333440-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3H2014	08/29/2023	SNF

Notes and Definitions

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



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

Certificate of Analysis

Laboratory No.: 2331811

Report: 09/07/23

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: 2331811-01 **Collected By:** Client **Sampled:** 08/30/23 07:20 **Received:** 08/30/23 13:22
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	145	mg/l	2.0	SM 5210 B	08/31/23 11:27	B-01	KMS
Solids, Total Suspended	72	mg/l	1	SM 2540 D	08/31/23		ALD

Lab ID: 2331811-02 **Collected By:** Client **Sampled:** 08/30/23 08:46 **Received:** 08/30/23 13:22
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	08/30/23		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	08/31/23 12:39	B-01	KMS
Nitrate as N	6.78	mg/l	1.00	EPA 300.0 Rev 2.1	08/30/23 17:18		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	08/30/23 17:18		KCS
Nitrate+Nitrite as N	<6.88	mg/l	1.10	CALCULATED	08/30/23 17:18		KCS
Nitrogen, Total	<7.62	mg/l	1.60	CALCULATED	09/01/23 12:18		SNF
Nitrogen, Total Kjeldahl (TKN)	0.74	mg/l	0.50	EPA 351.2 Rev 2.0	09/01/23		SNF
Phosphorus as P, Total	0.74	mg/l	0.01	SM 4500-P F	08/30/23		SNF
Solids, Total Suspended	2	mg/l	1	SM 2540 D	08/31/23		ALD

Lab ID: 2331811-03 **Collected By:** Client **Sampled:** 08/30/23 09:06 **Received:** 08/30/23 13:22
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	8/30/23 15:26	8/31/23 14:39		JMW



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Additional accreditations by MD (261)

M.J. Reider Associates, Inc.

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2331811-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3H2079	08/30/2023	SNF

Notes and Definitions

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



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Additional accreditations by MD (261)

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

2023-08-17 07:31 - 2023-08-31 17:36



Time Period Custom

Date Range 2023-08-01 17:36 - 2023-08-31 17:36

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: 1.03 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, 2023								
Maximum Day		982,099					Days pumped	31
Minimum Day		659,967						
Date	Well No.1	Well No.2	Well No.3	Well No.4	Well No.5	Well No.6	Total	Union Booster
01	135,225	296,305			79,487	263,727	774,744	121,630
02	170,500	294,871			100,066	322,742	888,179	60,148
03	156,574	294,678			91,967	304,067	847,286	98,309
04	154,515	294,273			90,594	299,875	839,257	135,282
05	137,464	294,835			80,704	267,758	780,761	58,890
06	150,155	294,375			88,488	293,026	826,044	128,438
07	186,064	292,983			11,057	169,863	659,967	65,428
08	325,208	287,007			193,066		805,281	60,512
09	124,706	283,974			73,250	351,676	833,606	127,727
10	140,578	293,416			82,203	258,239	774,436	66,263
11	136,880	293,926			80,146	251,347	762,299	60,581
12	156,556	294,415			91,649	286,175	828,795	120,087
13	132,504	293,997			77,893	243,284	747,678	81,522
14	153,304	293,568			89,974	273,315	810,161	75,860
15	168,451	293,214			98,927	303,837	864,429	123,263
16	139,956	294,610			82,136	257,230	773,932	73,109
17	160,152	294,747			94,076	290,862	839,837	128,593
18	133,650	296,118			78,301	245,128	753,197	65,169
19	171,548	396,428			100,464	313,659	982,099	134,144
20	167,002	297,686			97,822	304,314	866,824	82,551
21	171,680	297,823			100,504	312,937	882,944	130,120
22	154,070	297,906			90,106	281,015	823,097	95,864
23	182,401	296,134			106,290	329,841	914,666	116,809
24	163,150	296,308			94,809	294,582	848,849	123,504
25	148,718	295,330			86,285	269,729	800,062	79,673
26	200,818	293,475			117,284	364,836	976,413	137,788
27	168,246	293,571			98,541	305,311	865,669	79,552
28	183,229	292,575			106,826	321,485	904,115	143,905
29	158,496	292,872			92,202	286,689	830,259	119,354
30	180,014	291,619			105,316	326,194	903,143	118,466
31	197,329	291,304			114,681	356,347	959,661	153,731
Totals:	5,109,143	9,214,343			2,895,114	8,749,090	25,967,690	3,166,272
Maximum	325,208	396,428			193,066	364,836	982,099	153,731
Minimum	124,706	283,974			11,057	169,863	659,967	58,890
Average	164,811	297,237			93,391	291,636	837,667	102,138

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1			03 Compliance Sampling Log	4.00 Distribution System Monitoring\DS-000 Generic Sample Location													
2				400000	400007	400008	400011	400012	400013	400014	400015	400016	400017	400018	400019	400020	
3				DS-000: Contractual Weekly Distribution	pH	Temperature	Hardness	Alkalinity (CaCO3)	Calcium	Phosphorus, Total	Silicates	Iron, Total	Manganese, Total	TDS	Specific Conductance	Langlier Index	
4				Date	SU	Deg C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	umhos/Cm2	LSI	
5	Aug	1 Tue		8-1-23	7.90	25.0	335.0	200.00	104.00	0.07	19.60	<0.02	<0.01	302.00	725.00	7.90	
6		2 Wed															
7		3 Thu															
8		4 Fri															
9		5 Sat															
10		6 Sun															
11		7 Mon															
12		8 Tue		8-8-23	7.80	25.0	362.0	126.00	112.00	0.05	19.80	<0.02	<0.01	300.00	744.00	7.80	
13		9 Wed															
14		10 Thu															
15		11 Fri															
16		12 Sat															
17		13 Sun															
18		14 Mon															
19		15 Tue		8-15-23	7.10	25.0	329.0	198.00	102.00	0.06	21.80	<0.02	<0.01	309.00	744.00	7.10	
20		16 Wed															
21		17 Thu															
22		18 Fri															
23		19 Sat															
24		20 Sun															
25		21 Mon															
26		22 Tue		8-22-23	7.10	25.0	338.0	200.00	104.00	0.05	21.70	<0.02	<0.01	310.00	717.00	7.10	
27		23 Wed															
28		24 Thu															
29		25 Fri															
30		26 Sat															
31		27 Sun															
32		28 Mon															
33		29 Tue		8-29-23	7.90	25.0	333.0	202.00	103.00	0.07	20.20	<0.02	<0.00	292.00	739.00	7.90	
34		30 Wed															
35		31 Thu															
37		MINIMUM		8-1-23	7.10	25.0	329.0	126.00	102.00	0.05	19.60	<0.02	<0.00	292.00	717.00	7.10	
38		MAXIMUM		8-8-23	7.90	25.0	362.0	202.00	112.00	0.07	21.80	<0.02	<0.01	310.00	744.00	7.90	
39		AVERAGE		1	7.56	25.0	339.4	185.20	105.00	0.06	20.62	<0.02	<0.01	302.60	733.80	3.65	
40		SUM		5	37.80	125.0	1,697.0	926.00	525.00	0.30	103.10	<0.10	<0.04	1,513.00	3,669.00	18.26	



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

Data Added Successfully by HANNANJ

1 message

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

Tue, Sep 5, 2023 at 1:24 PM

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

HANNANJ successfully added data to DWELR on 09/05/23 at 1:24 PM. Form: SDWA1.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_187	701	080123
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_188	703	080123
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_189	706	080123
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_190	704	080823
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_191	705	080823
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_192	701	081523
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_193	703	081523
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_194	706	081523
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_195	704	082223
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_196	705	082223
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_197	707	082923

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



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

File Uploaded Successfully by HANNANJ

6 messages

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

Tue, Sep 5, 2023 at 1:13 PM

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

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 100 Well No 1 (17).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>

Tue, Sep 5, 2023 at 1:13 PM

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

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 102 Well No 2 (17).xls	HANNANJ	HANNANJ_32 through HANNANJ_62

[Quoted text hidden]

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

Tue, Sep 5, 2023 at 1:14 PM

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

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 103 Well No 3 (17).xls	HANNANJ	HANNANJ_63 through HANNANJ_93

[Quoted text hidden]

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

Tue, Sep 5, 2023 at 1:15 PM

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

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 104 Well No 4 (17).xls	HANNANJ	HANNANJ_94 through HANNANJ_124

[Quoted text hidden]

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

Tue, Sep 5, 2023 at 1:16 PM

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

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 105 Well No 5 (17).xls	HANNANJ	HANNANJ_125 through HANNANJ_155

[Quoted text hidden]

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

Tue, Sep 5, 2023 at 1:16 PM

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

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 106 Well No 6 (18).xls	HANNANJ	HANNANJ_156 through HANNANJ_186

[Quoted text hidden]



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

Data Submitted Successfully by HANNANJ

1 message

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

Tue, Sep 5, 2023 at 1:18 PM

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

HANNANJ successfully submitted data to DWELR.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_58	102	082723

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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2329647

Reported: 08/17/23

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: 2329647-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 08/01/23 08:56 **Received:** 08/01/23 14:00
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	8/1/23 16:07	8/2/23 10:18		JRT	N/A 1

Lab ID: 2329647-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 08/01/23 08:15 **Received:** 08/01/23 14:00
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	8/1/23 16:42	8/2/23 11:01		JRT	N/A 1

Lab ID: 2329647-03 **Collected By:** Client
Sample Desc: 706 North Union Street Standpipe
Notes:

Sampled: 08/01/23 08:39 **Received:** 08/01/23 14:00
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	8/1/23 16:07	8/2/23 10:18		JRT	N/A 1



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Additional accreditations by MD (261)



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

7220038: VEOLIA MIDDLETOWN													
SDWA1													
PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	701		080123	D	0856	06003	2329647-01	KISTLERC_267
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	703		080123	D	0815	06003	2329647-02	KISTLERC_268
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080923	704		080823	D	0822	06003	2330780-01	KISTLERC_270
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080923	705		080823	D	0807	06003	2330780-02	KISTLERC_271
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	706		080123	D	0839	06003	2329647-03	KISTLERC_269



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2329645

Reported: 08/14/23

Lab Contact: Christina M Kistler

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

Project: DW-Quarterly VOCS
7220038

Lab ID: 2329645-02 **Collected By:** Client
Sample Desc: 106 Entry Point Well #6

Sampled: 08/01/23 14:10 **Received:** 08/02/23 14:50
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	08/04/23		WJS	N/A 0.2	PASS
1,1,2-Trichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.005	PASS
1,1-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.007	PASS
1,2,4-Trichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.07	PASS
1,2-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.6	PASS
1,2-Dichloroethane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.005	PASS
1,2-Dichloropropane	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.005	PASS
1,4-Dichlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.075	PASS
Benzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.005	PASS
Carbon Tetrachloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.005	PASS
Chlorobenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.1	PASS
Cis-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.07	PASS
Ethylbenzene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.7	PASS
Methylene Chloride (Dichloromethane)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.005	PASS
Styrene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.1	PASS
Tetrachloroethene (PCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.005	PASS
Toluene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 1	PASS
Trans-1,2-Dichloroethene	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.1	PASS
Trichloroethene (TCE)	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.005	PASS
Vinyl Chloride	<0.0005	mg/l	0.0005	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 0.002	PASS
Xylenes, Total	<0.0010	mg/l	0.0010	EPA 524.2 Rev 4.1	08/04/23		WJS	N/A 10	PASS
Surrogates									
1,2-Dichlorobenzene-d4	89.6%		70-130	EPA 524.2 Rev 4.1	08/04/23		WJS		
4-Bromofluorobenzene	94.6%		70-130	EPA 524.2 Rev 4.1	08/04/23		WJS		



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Additional accreditations by MD (261)

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Notes and Definitions

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



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E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	071923	701		071823	D	0852	06003	2327377-01	KISTLERC_4000
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	701		080123	D	0856	06003	2329647-01	KISTLERC_4926
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	071923	703		071823	D	0830	06003	2327377-02	KISTLERC_4001
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	703		080123	D	0815	06003	2329647-02	KISTLERC_4927
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	071223	704		071123	D	0830	06003	2326610-01	KISTLERC_43
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	072623	704		072523	D	0841	06003	2328424-01	KISTLERC_4518
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	071223	705		071123	D	0815	06003	2326610-02	KISTLERC_44
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	072623	705		072523	D	0825	06003	2328424-02	KISTLERC_4519
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	706		080123	D	0839	06003	2329647-03	KISTLERC_4928
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	071923	707		071823	D	0842	06003	2327377-03	KISTLERC_4002

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2378	1,2,4-TRICHLOROBENZENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_4994
7220038	2380	CIS-1,2-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5011
7220038	2955	XYLENES - TOTAL (VOC)	221	0.0	0.00100		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5028
7220038	2964	DICHLOROMETHANE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5046
7220038	2968	O-DICHLOROBENZENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5063

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2969	P-DICHLOROBENZENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5080
7220038	2976	VINYL CHLORIDE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5097
7220038	2977	1,1-DICHLOROETHYLENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5114
7220038	2979	TRANS-1,2-DICHLOROETHENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5131
7220038	2980	1,2-DICHLOROETHANE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5148
7220038	2981	1,1,1-TRICHLOROETHANE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5165
7220038	2982	CARBON TETRACHLORIDE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5182
7220038	2983	1,2-DICHLOROPROPANE(VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5199
7220038	2984	TRICHLOROETHYLENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5216
7220038	2985	1,1,2-TRICHLOROETHANE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5233
7220038	2987	TETRACHLOROETHYLENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5250
7220038	2989	CHLOROBENZENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5268
7220038	2990	BENZENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5285
7220038	2991	TOLUENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5303
7220038	2992	ETHYLBENZENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5321
7220038	2996	STYRENE (VOC)	221	0.0	0.00050		080423	106		080123	E	1410	06003	2329645-02	KISTLERC_5340



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2329646

Reported: 08/18/23

Lab Contact: Christina M Kistler

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

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2329646-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 08/01/23 08:58 **Received:** 08/01/23 14:00
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	200	mg CaCO ₃ /L	20	SM 2320 B	08/03/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	335	mg/l	4.56	CALCULATED	08/07/23		JAF	N/A N/A	
Phosphorus as P, Total	0.07	mg/l	0.01	SM 4500-P F	08/02/23		JMW	N/A N/A	
Silica as SiO ₂	19.6	mg/l	2.14	CALCULATED	08/11/23		JAF	N/A N/A	
Conductivity	725	umhos/cm	1	SM 2510 B	08/07/23		INW	N/A N/A	
Total Metals									
Calcium	104	mg/l	1	EPA 200.7 Rev 4.4	08/07/23		JAF	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	08/04/23		JAF	N/A 0.3	PASS
Magnesium	18.3	mg/l	0.5	EPA 200.7 Rev 4.4	08/07/23		JAF	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	08/02/23		MPB	N/A 0.05	PASS
Silicon	9.2	mg/l	1.0	EPA 200.7 Rev 4.4	08/11/23		JAF	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
2329646-01			
SM 4500-P F	SM 4500-P B	08/01/2023	SNF



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2329643

Reported: 08/31/23

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: 2329643-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 08/07/23 11:33 **Received:** 08/08/23 13:40
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	08/24/23		TWH	N/A	N/A
Chloroacetic Acid	<0.002	mg/l	0.002	EPA 552.2 Rev 1.0	08/24/23		TWH	N/A	N/A
Dibromoacetic Acid	0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/24/23		TWH	N/A	N/A
Dichloroacetic Acid	0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/24/23		TWH	N/A	N/A
Total Haloacetic Acids (HAA)	0.00264	mg/l	0.00100	CALCULATED	08/24/23		TWH	N/A	0.06
Trichloroacetic Acid	<0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/24/23		TWH	N/A	N/A
Surrogates									
2,3-Dibromopropionic acid	123%		70-130	EPA 552.2 Rev 1.0	08/24/23		TWH		
Volatiles									
Bromodichloromethane	0.0039	mg/l	0.0005	EPA 524.2 Rev 4.1	08/10/23	V-06	WJS	N/A	N/A
Bromoform	0.0012	mg/l	0.0005	EPA 524.2 Rev 4.1	08/10/23	V-06	WJS	N/A	N/A
Chloroform	0.0038	mg/l	0.0005	EPA 524.2 Rev 4.1	08/10/23	V-06	WJS	N/A	N/A
Dibromochloromethane	0.0034	mg/l	0.0005	EPA 524.2 Rev 4.1	08/10/23	V-06	WJS	N/A	N/A
Total Trihalomethanes (TTHMs)	0.0123	mg/l	0.000500	CALCULATED	08/10/23		WJS	N/A	0.08

Lab ID: 2329643-02 **Collected By:** Client
Sample Desc: 707 West Main Street Sample Hydrant
Notes:

Sampled: 08/07/23 11:18 **Received:** 08/08/23 13:40
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 707

Organics			Rep.	Analysis				EPA MCL	
	Result	Unit	Limit	Method	Analyzed	Notes	Analyst	Min/Max	
Bromoacetic acid	<0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/24/23		TWH	N/A	N/A
Chloroacetic Acid	<0.002	mg/l	0.002	EPA 552.2 Rev 1.0	08/24/23		TWH	N/A	N/A
Dibromoacetic Acid	0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/24/23		TWH	N/A	N/A
Dichloroacetic Acid	<0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/24/23		TWH	N/A	N/A
Total Haloacetic Acids (HAA)	0.00137	mg/l	0.00100	CALCULATED	08/24/23		TWH	N/A	0.06
Trichloroacetic Acid	<0.001	mg/l	0.001	EPA 552.2 Rev 1.0	08/24/23		TWH	N/A	N/A



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Lab ID: 2329643-02 Continued

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	
Organics									
Surrogates									
2,3-Dibromopropionic acid	122%		70-130	EPA 552.2 Rev 1.0	08/24/23		TWH		
Volatiles									
Bromodichloromethane	0.0028	mg/l	0.0005	EPA 524.2 Rev 4.1	08/10/23	V-06	WJS	N/A	N/A
Bromoform	0.0015	mg/l	0.0005	EPA 524.2 Rev 4.1	08/10/23	V-06	WJS	N/A	N/A
Chloroform	0.0020	mg/l	0.0005	EPA 524.2 Rev 4.1	08/10/23	V-06	WJS	N/A	N/A
Dibromochloromethane	0.0032	mg/l	0.0005	EPA 524.2 Rev 4.1	08/10/23	V-06	WJS	N/A	N/A
Total Trihalomethanes (TTHMs)	0.00948	mg/l	0.000500	CALCULATED	08/10/23		WJS	N/A	0.08

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2329643-01			
EPA 552.2 Rev 1.0	EPA 552.2 Rev 1.0	08/15/2023	JLS
2329643-02			
EPA 552.2 Rev 1.0	EPA 552.2 Rev 1.0	08/15/2023	JLS

Notes and Definitions

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



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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	2450	MONOCHLOROACETIC ACID (HAA)	206	0.0	082423	701		080723	D	1133	06003	2329643-01	KISTLERC_4 692
7220038	2451	DICHLOROACETIC ACID (HAA)	206	0.0010	082423	701		080723	D	1133	06003	2329643-01	KISTLERC_4 702
7220038	2452	TRICHLOROACETIC ACID (HAA)	206	0.0	082423	701		080723	D	1133	06003	2329643-01	KISTLERC_4 710
7220038	2453	MONOBROMOACETIC ACID (HAA)	206	0.0	082423	701		080723	D	1133	06003	2329643-01	KISTLERC_4 719
7220038	2454	DIBROMOACETIC ACID (HAA)	206	0.0010	082423	701		080723	D	1133	06003	2329643-01	KISTLERC_4 728
7220038	2456	HALOACETIC ACIDS (HAA5)	206	0.00264	082423	701		080723	D	1133	06003	2329643-01	KISTLERC_4 738
7220038	2941	CHLOROFORM (THM)	221	0.0038	081023	701		080723	D	1133	06003	2329643-01	KISTLERC_4 755
7220038	2942	BROMOFORM (THM)	221	0.0012	081023	701		080723	D	1133	06003	2329643-01	KISTLERC_4 763
7220038	2943	BROMODICHLOROMETHANE (THM)	221	0.0039	081023	701		080723	D	1133	06003	2329643-01	KISTLERC_4 773
7220038	2944	CHLORODIBROMOMETHANE (THM)	221	0.0034	081023	701		080723	D	1133	06003	2329643-01	KISTLERC_4 782
7220038	2950	TRISHALOMETHANES (TTHM)	221	0.0123	081023	701		080723	D	1133	06003	2329643-01	KISTLERC_4 791
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	701		080123	D	0856	06003	2329647-01	KISTLERC_2 67
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	081623	701		081523	D	0917	06003	2331813-01	KISTLERC_3 112
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	703		080123	D	0815	06003	2329647-02	KISTLERC_2 68
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	081623	703		081523	D	0900	06003	2331813-02	KISTLERC_3 113
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080923	704		080823	D	0822	06003	2330780-01	KISTLERC_2 70
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	082323	704		082223	D	0842	06003	2332714-01	KISTLERC_4 253
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080923	705		080823	D	0807	06003	2330780-02	KISTLERC_2 71
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	082323	705		082223	D	0826	06003	2332714-02	KISTLERC_4 254



E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	706		080123	D	0839	06003	2329647-03	KISTLERC_269
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	081623	706		081523	D	0846	06003	2331813-03	KISTLERC_3114
7220038	2450	MONOCHLOROACETIC ACID (HAA)	206	0.0	082423	707		080723	D	1118	06003	2329643-02	KISTLERC_4693
7220038	2451	DICHLOROACETIC ACID (HAA)	206	0.0	082423	707		080723	D	1118	06003	2329643-02	KISTLERC_4701
7220038	2452	TRICHLOROACETIC ACID (HAA)	206	0.0	082423	707		080723	D	1118	06003	2329643-02	KISTLERC_4711
7220038	2453	MONOBROMOACETIC ACID (HAA)	206	0.0	082423	707		080723	D	1118	06003	2329643-02	KISTLERC_4720
7220038	2454	DIBROMOACETIC ACID (HAA)	206	0.0010	082423	707		080723	D	1118	06003	2329643-02	KISTLERC_4729
7220038	2456	HALOACETIC ACIDS (HAA5)	206	0.00137	082423	707		080723	D	1118	06003	2329643-02	KISTLERC_4737
7220038	2941	CHLOROFORM (THM)	221	0.0020	081023	707		080723	D	1118	06003	2329643-02	KISTLERC_4754
7220038	2942	BROMOFORM (THM)	221	0.0015	081023	707		080723	D	1118	06003	2329643-02	KISTLERC_4764
7220038	2943	BROMODICHLOROMETHANE (THM)	221	0.0028	081023	707		080723	D	1118	06003	2329643-02	KISTLERC_4772
7220038	2944	CHLORODIBROMOMETHANE (THM)	221	0.0032	081023	707		080723	D	1118	06003	2329643-02	KISTLERC_4781
7220038	2950	TRIHALOMETHANES (TTHM)	221	0.00948	081023	707		080723	D	1118	06003	2329643-02	KISTLERC_4790

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3171
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3188
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3205

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		071823	100		071023	E	1026	06003	2325368-01	KISTLERC_3222
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3237
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	100		071023	E	1026	06003	2325368-01	KISTLERC_3253
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3272
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3290
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		071323	100		071023	E	1026	06003	2325368-01	KISTLERC_3307
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3325
7220038	2039	DI(2-ETHYLHEXYL)PHTHALATE (SOC)	222	0.0	0.00500		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3343
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3358
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3373
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3390
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		071323	100		071023	E	1026	06003	2325368-01	KISTLERC_3407
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3425
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3442
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3459
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3476
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3491
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3506
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3523
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3541

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3556
7220038	2383	PCBS (SOC)	225	0.0	0.00008		071823	100		071023	E	1026	06003	2325368-01	KISTLERC_3595
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		072123	100		071023	E	1026	06003	2325368-01	KISTLERC_3612
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		072123	100		071023	E	1026	06003	2325368-01	KISTLERC_3629
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		071823	100		071023	E	1026	06003	2325368-01	KISTLERC_3657
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3170
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3187
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3204
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3221
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3236
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	102		070523	E	0740	06003	2325369-01	KISTLERC_3254
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071123	102		070523	E	0740	06003	2325369-01	KISTLERC_3271
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		071823	102		070523	E	0740	06003	2325369-01	KISTLERC_3289
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		070623	102		070523	E	0740	06003	2325369-01	KISTLERC_3306
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		071823	102		070523	E	0740	06003	2325369-01RE1	KISTLERC_3324
7220038	2039	DI(2-ETHYLHEXYL)PHTHALATE (SOC)	222	0.0	0.00500		071823	102		070523	E	0740	06003	2325369-01	KISTLERC_3342
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3357
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3372
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3389
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		070623	102		070523	E	0740	06003	2325369-01	KISTLERC_3406



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SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		071823	102		070523	E	0740	06003	2325369-01RE1	KISTLERC_3424
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3441
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3458
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3475
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3490
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3505
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3522
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		071823	102		070523	E	0740	06003	2325369-01	KISTLERC_3540
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3555
7220038	2383	PCBS (SOC)	225	0.0	0.00008		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3594
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		070823	102		070523	E	0740	06003	2325369-01	KISTLERC_3611
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		070823	102		070523	E	0740	06003	2325369-01	KISTLERC_3628
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3656
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3172
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3189
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3206
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		071823	105		071023	E	1130	06003	2325372-01	KISTLERC_3223
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3238
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	105		071023	E	1130	06003	2325372-01	KISTLERC_3255
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3273



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SAFE DRINKING WATER ACT
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7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3291
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		071323	105		071023	E	1130	06003	2325372-01	KISTLERC_3308
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3326
7220038	2039	DI(2-ETHYLHEXYL)PHTHALATE (SOC	222	0.0	0.00500		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3344
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3359
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3374
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3391
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		071323	105		071023	E	1130	06003	2325372-01	KISTLERC_3408
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3426
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3443
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3460
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3477
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3492
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3507
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3524
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3542
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3557
7220038	2383	PCBS (SOC)	225	0.0	0.00008		071823	105		071023	E	1130	06003	2325372-01	KISTLERC_3596
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		072123	105		071023	E	1130	06003	2325372-01	KISTLERC_3613
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		072123	105		071023	E	1130	06003	2325372-01	KISTLERC_3630



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VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		071823	105		071023	E	1130	06003	2325372-01	KISTLERC_3658
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3173
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3190
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3207
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		071823	106		071023	E	1058	06003	2325373-01	KISTLERC_3224
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3239
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	106		071023	E	1058	06003	2325373-01	KISTLERC_3256
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3274
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3292
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		071323	106		071023	E	1058	06003	2325373-01	KISTLERC_3309
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3327
7220038	2039	DI(2-ETHYLHEXYL)PHTHALATE (SOC)	222	0.0	0.00500		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3345
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3360
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3375
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3392
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		071323	106		071023	E	1058	06003	2325373-01	KISTLERC_3409
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3427
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3444
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3461
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3478



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SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysi s Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_ 3493
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_ 3508
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		071823	106		071023	E	1058	06003	2325373-01 RE1	KISTLERC_ 3525
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_ 3543
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_ 3558
7220038	2383	PCBS (SOC)	225	0.0	0.00008		071823	106		071023	E	1058	06003	2325373-01	KISTLERC_ 3597
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		072123	106		071023	E	1058	06003	2325373-01	KISTLERC_ 3614
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		072123	106		071023	E	1058	06003	2325373-01	KISTLERC_ 3631
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		071823	106		071023	E	1058	06003	2325373-01	KISTLERC_ 3659



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2330780

Reported: 08/18/23

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: 2330780-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 08/08/23 08:22 **Received:** 08/08/23 13:40
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	8/8/23 14:59	8/9/23 9:12		JRT	N/A 1

Lab ID: 2330780-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 08/08/23 08:07 **Received:** 08/08/23 13:40
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	8/8/23 14:59	8/9/23 9:12		JRT	N/A 1



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

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Additional accreditations by MD (261)



E-Government Application for Drinking Water
Program
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7220038: VEOLIA MIDDLETOWN													
SDWA1													
PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	701		080123	D	0856	06003	2329647-01	KISTLERC_267
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	703		080123	D	0815	06003	2329647-02	KISTLERC_268
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080923	704		080823	D	0822	06003	2330780-01	KISTLERC_270
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080923	705		080823	D	0807	06003	2330780-02	KISTLERC_271
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	706		080123	D	0839	06003	2329647-03	KISTLERC_269



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2330779

Reported: 08/18/23

Lab Contact: Christina M Kistler

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

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2330779-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 08/08/23 08:34 **Received:** 08/08/23 13:40
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	126	mg CaCO ₃ /L	20	SM 2320 B	08/10/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	362	mg/l	4.56	CALCULATED	08/14/23		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	08/09/23		NJG	N/A N/A	
Silica as SiO ₂	19.8	mg/l	2.14	CALCULATED	08/11/23		JAF	N/A N/A	
Conductivity	744	umhos/cm	1	SM 2510 B	08/16/23		RXN	N/A N/A	
Total Metals									
Calcium	112	mg/l	1	EPA 200.7 Rev 4.4	08/14/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	08/15/23		HRG	N/A 0.3	PASS
Magnesium	19.8	mg/l	0.5	EPA 200.7 Rev 4.4	08/14/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	08/15/23		MPB	N/A 0.05	PASS
Silicon	9.3	mg/l	1.0	EPA 200.7 Rev 4.4	08/11/23		JAF	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
2330779-01			
SM 4500-P F	SM 4500-P B	08/08/2023	JMW



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

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Additional accreditations by MD (261)



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2331813

Reported: 08/21/23

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: 2331813-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 08/15/23 09:17 **Received:** 08/15/23 14:10
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 701

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	8/15/23 16:42	8/16/23 10:47		JRT	N/A 1

Lab ID: 2331813-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 08/15/23 09:00 **Received:** 08/15/23 14:10
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 703

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	8/15/23 16:42	8/16/23 10:47		JRT	N/A 1

Lab ID: 2331813-03 **Collected By:** Client
Sample Desc: 706 North Union Street Standpipe
Notes:

Sampled: 08/15/23 08:46 **Received:** 08/15/23 14:10
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 706

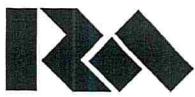
	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	8/15/23 17:01	8/16/23 11:03		JRT	N/A 1



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Additional accreditations by MD (261)

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

Client Code: 4085

Project Manager: Christina M Kistler

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

Invoice To: Veolia Middletown - Accounts Payable - 453 S. Lawrence St., Middletown, PA 17057

**WORK ORDER
Chain of Custody**

Client: Veolia Middletown

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

2331813



PWSID: 7220038

Collected By :
(Full Name)*CHRIS HANNAN*

Comments: _____

2331813-01 701 Middletown WWTP

Matrix: Drinking Water

Type: Grab

Date/Time: 8-15-23 0917

TC (P/A) SM 9223B

PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThioLoc ID: 701 68**2331813-02 703 North Union Street Booster Station**

Matrix: Drinking Water

Type: Grab

Date/Time: 8-15-23 0900

TC (P/A) SM 9223B

PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThioLoc ID: 703 69**2331813-03 706 North Union Street Standpipe**

Matrix: Drinking Water

Type: Grab

Date/Time: 8-15-23 0846

TC (P/A) SM 9223B

PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThioLoc ID: 706 84*FRIDGE - 1.2**SCR 815123 1259*
*CHRIS HANNAN*Relinquished By _____ Date/Time 8-15-23 0918

Relinquished By _____ Date/Time _____

Relinquished By _____ Date/Time _____

*FRIDGE*Received By _____ Date/Time 8-15-23 0918Received By _____ Date/Time 815123 1259Received at Laboratory By _____ Date/Time 815123 1410

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

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	<u>5.0</u>
Samples on Ice?	☒ Yes ☐ No ☐ NA
Approved By:	<i>SCR</i>
Entered By:	<i>8</i>



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	701		080123	D	0856	06003	2329647-01	KISTLERC_267
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	081623	701		081523	D	0917	06003	2331813-01	KISTLERC_3112
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	703		080123	D	0815	06003	2329647-02	KISTLERC_268
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	081623	703		081523	D	0900	06003	2331813-02	KISTLERC_3113
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080923	704		080823	D	0822	06003	2330780-01	KISTLERC_270
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080923	705		080823	D	0807	06003	2330780-02	KISTLERC_271
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	706		080123	D	0839	06003	2329647-03	KISTLERC_269
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	081623	706		081523	D	0846	06003	2331813-03	KISTLERC_3114

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3171
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3188
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3205
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		071823	100		071023	E	1026	06003	2325368-01	KISTLERC_3222
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3237
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	100		071023	E	1026	06003	2325368-01	KISTLERC_3253
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3272



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3290
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		071323	100		071023	E	1026	06003	2325368-01	KISTLERC_3307
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3325
7220038	2039	DI(2-ETHYLHEXYL)PHTHALATE (SOC	222	0.0	0.00500		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3343
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3358
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3373
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3390
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		071323	100		071023	E	1026	06003	2325368-01	KISTLERC_3407
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3425
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3442
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3459
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3476
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3491
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3506
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3523
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3541
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3556
7220038	2383	PCBS (SOC)	225	0.0	0.00008		071823	100		071023	E	1026	06003	2325368-01	KISTLERC_3595
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		072123	100		071023	E	1026	06003	2325368-01	KISTLERC_3612
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		072123	100		071023	E	1026	06003	2325368-01	KISTLERC_3629

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		071823	100		071023	E	1026	06003	2325368-01	KISTLERC_3657
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3170
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3187
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3204
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3221
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3236
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	102		070523	E	0740	06003	2325369-01	KISTLERC_3254
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071123	102		070523	E	0740	06003	2325369-01	KISTLERC_3271
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		071823	102		070523	E	0740	06003	2325369-01	KISTLERC_3289
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		070623	102		070523	E	0740	06003	2325369-01	KISTLERC_3306
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		071823	102		070523	E	0740	06003	2325369-01RE1	KISTLERC_3324
7220038	2039	DI(2-ETHYLHEXYL)PHthalate (SOC)	222	0.0	0.00500		071823	102		070523	E	0740	06003	2325369-01	KISTLERC_3342
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3357
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3372
7220038	2042	HEXACHLOROCYClopentadiene(SOC)	225	0.0	0.00200		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3389
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		070623	102		070523	E	0740	06003	2325369-01	KISTLERC_3406
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		071823	102		070523	E	0740	06003	2325369-01RE1	KISTLERC_3424
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3441
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3458
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3475



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysi s Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3490
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3505
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3522
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		071823	102		070523	E	0740	06003	2325369-01	KISTLERC_3540
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3555
7220038	2383	PCBS (SOC)	225	0.0	0.00008		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3594
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		070823	102		070523	E	0740	06003	2325369-01	KISTLERC_3611
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		070823	102		070523	E	0740	06003	2325369-01	KISTLERC_3628
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3656
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3172
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3189
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3206
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		071823	105		071023	E	1130	06003	2325372-01	KISTLERC_3223
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3238
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	105		071023	E	1130	06003	2325372-01	KISTLERC_3255
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3273
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3291
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		071323	105		071023	E	1130	06003	2325372-01	KISTLERC_3308
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3326
7220038	2039	DI(2-ETHYLHEXYL)PHTHALATE (SOC	222	0.0	0.00500		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3344



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysi s Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3359
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3374
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3391
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		071323	105		071023	E	1130	06003	2325372-01	KISTLERC_3408
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3426
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3443
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3460
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3477
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3492
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3507
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3524
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3542
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3557
7220038	2383	PCBS (SOC)	225	0.0	0.00008		071823	105		071023	E	1130	06003	2325372-01	KISTLERC_3596
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		072123	105		071023	E	1130	06003	2325372-01	KISTLERC_3613
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		072123	105		071023	E	1130	06003	2325372-01	KISTLERC_3630
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		071823	105		071023	E	1130	06003	2325372-01	KISTLERC_3658
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3173
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3190
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3207

E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		071823	106		071023	E	1058	06003	2325373-01	KISTLERC_3224
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3239
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	106		071023	E	1058	06003	2325373-01	KISTLERC_3256
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3274
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3292
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		071323	106		071023	E	1058	06003	2325373-01	KISTLERC_3309
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3327
7220038	2039	DI(2-ETHYLHEXYL)PHTHALATE (SOC)	222	0.0	0.00500		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3345
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3360
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3375
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3392
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		071323	106		071023	E	1058	06003	2325373-01	KISTLERC_3409
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3427
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3444
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3461
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3478
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3493
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3508
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3525
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3543



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN															
SDWA4															
PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3558
7220038	2383	PCBS (SOC)	225	0.0	0.00008		071823	106		071023	E	1058	06003	2325373-01	KISTLERC_3597
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		072123	106		071023	E	1058	06003	2325373-01	KISTLERC_3614
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		072123	106		071023	E	1058	06003	2325373-01	KISTLERC_3631
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		071823	106		071023	E	1058	06003	2325373-01	KISTLERC_3659



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2331812

Reported: 08/22/23

Lab Contact: Christina M Kistler

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

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2331812-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 08/15/23 09:19 **Received:** 08/15/23 14:10
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	198	mg CaCO ₃ /L	20	SM 2320 B	08/16/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	329	mg/l	4.56	CALCULATED	08/16/23		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	08/16/23		NJG	N/A N/A	
Silica as SiO ₂	21.8	mg/l	2.14	CALCULATED	08/17/23		HRG	N/A N/A	
Conductivity	744	umhos/cm	1	SM 2510 B	08/16/23		RXN	N/A N/A	
Total Metals									
Calcium	102	mg/l	1	EPA 200.7 Rev 4.4	08/16/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	08/16/23		HRG	N/A 0.3	PASS
Magnesium	17.7	mg/l	0.5	EPA 200.7 Rev 4.4	08/16/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	08/18/23		MPB	N/A 0.05	PASS
Silicon	10.2	mg/l	1.0	EPA 200.7 Rev 4.4	08/17/23		HRG	N/A N/A	

Notes and Definitions

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

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2331812-01			
SM 4500-P F	SM 4500-P B	08/15/2023	JMW



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

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



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2332714

Reported: 08/28/23

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: 2332714-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 08/22/23 08:42 **Received:** 08/22/23 14:42
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	8/22/23 15:57	8/23/23 10:01		JRT	N/A 1

Lab ID: 2332714-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 08/22/23 08:26 **Received:** 08/22/23 14:42
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	8/22/23 15:57	8/23/23 10:01		JRT	N/A 1



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

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Additional accreditations by MD (261)



M.J. Reider Associates, Inc.

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

**WORK ORDER
Chain of Custody**

2332714



PWSID: 7220038

Client Code: 4085

Client: Veolia Middletown

Project Manager: Christina M Kistler

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

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

Invoice To: Veolia Middletown - Accounts Payable - 453 S. Lawrence St., Middletown, PA 17057

Comments: _____

Collected By : Chris Hannan
(Full Name)

2332714-01 704 Village of Pineford Office

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date/Time: 8-22-23 0847

PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThio

Loc ID: 704 62

2332714-02 705 High Street Standpipe

TC (P/A) SM 9223B

Matrix: Drinking Water

Type: Grab

Date/Time: 8-22-23 0826

PA DEP Sample Type: D-Distribution
A - Sterile PI 125ml NaThio

Loc ID: 705

123

FRIDGE -1.5

Chris Hannan
Relinquished By

8-22-23 1146
Date/Time 0857

[Signature]
Received By 8-22-23 1146
Date/Time 0857

Relinquished By

Date/Time

Received By

Date/Time

Relinquished By

Date/Time

Received at Laboratory By

Date/Time

AUG 22 2023 1442

Sample Kit Prepared By:	Date/Time
Sample Temp (°C):	<u>2</u>
Samples on Ice?	<u>Yes</u> No NA
Approved By:	<u>[Signature]</u>
Entered By:	<u>[Signature]</u>

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



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	701		080123	D	0856	06003	2329647-01	KISTLERC_267
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	081623	701		081523	D	0917	06003	2331813-01	KISTLERC_3112
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	703		080123	D	0815	06003	2329647-02	KISTLERC_268
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	081623	703		081523	D	0900	06003	2331813-02	KISTLERC_3113
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080923	704		080823	D	0822	06003	2330780-01	KISTLERC_270
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	082323	704		082223	D	0842	06003	2332714-01	KISTLERC_4253
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080923	705		080823	D	0807	06003	2330780-02	KISTLERC_271
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	082323	705		082223	D	0826	06003	2332714-02	KISTLERC_4254
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	080223	706		080123	D	0839	06003	2329647-03	KISTLERC_269
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	081623	706		081523	D	0846	06003	2331813-03	KISTLERC_3114

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3171
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3188
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3205
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		071823	100		071023	E	1026	06003	2325368-01	KISTLERC_3222
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3237



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysi s Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	100		071023	E	1026	06003	2325368-01	KISTLERC_3253
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3272
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3290
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		071323	100		071023	E	1026	06003	2325368-01	KISTLERC_3307
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3325
7220038	2039	DI(2-ETHYLHEXYL)PHTHALATE (SOC	222	0.0	0.00500		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3343
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3358
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3373
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3390
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		071323	100		071023	E	1026	06003	2325368-01	KISTLERC_3407
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3425
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3442
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3459
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3476
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3491
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3506
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		071823	100		071023	E	1026	06003	2325368-01RE1	KISTLERC_3523
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		072923	100		071023	E	1026	06003	2325368-01	KISTLERC_3541
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		071523	100		071023	E	1026	06003	2325368-01	KISTLERC_3556
7220038	2383	PCBS (SOC)	225	0.0	0.00008		071823	100		071023	E	1026	06003	2325368-01	KISTLERC_3595



E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		072123	100		071023	E	1026	06003	2325368-01	KISTLERC_3612
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		072123	100		071023	E	1026	06003	2325368-01	KISTLERC_3629
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		071823	100		071023	E	1026	06003	2325368-01	KISTLERC_3657
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3170
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3187
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3204
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3221
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3236
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	102		070523	E	0740	06003	2325369-01	KISTLERC_3254
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071123	102		070523	E	0740	06003	2325369-01	KISTLERC_3271
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		071823	102		070523	E	0740	06003	2325369-01	KISTLERC_3289
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		070623	102		070523	E	0740	06003	2325369-01	KISTLERC_3306
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		071823	102		070523	E	0740	06003	2325369-01RE1	KISTLERC_3324
7220038	2039	DI(2-ETHYLHEXYL)PHTHALATE (SOC	222	0.0	0.00500		071823	102		070523	E	0740	06003	2325369-01	KISTLERC_3342
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3357
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3372
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3389
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		070623	102		070523	E	0740	06003	2325369-01	KISTLERC_3406
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		071823	102		070523	E	0740	06003	2325369-01RE1	KISTLERC_3424
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_3441



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysi s Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_ 3458
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_ 3475
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_ 3490
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_ 3505
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_ 3522
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		071823	102		070523	E	0740	06003	2325369-01	KISTLERC_ 3540
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_ 3555
7220038	2383	PCBS (SOC)	225	0.0	0.00008		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_ 3594
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		070823	102		070523	E	0740	06003	2325369-01	KISTLERC_ 3611
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		070823	102		070523	E	0740	06003	2325369-01	KISTLERC_ 3628
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		070723	102		070523	E	0740	06003	2325369-01	KISTLERC_ 3656
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_ 3172
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_ 3189
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_ 3206
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		071823	105		071023	E	1130	06003	2325372-01	KISTLERC_ 3223
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_ 3238
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	105		071023	E	1130	06003	2325372-01	KISTLERC_ 3255
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_ 3273
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_ 3291
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		071323	105		071023	E	1130	06003	2325372-01	KISTLERC_ 3308



E-Government Application for Drinking Water Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3326
7220038	2039	DI(2-ETHYLHEXYL)PHTHALATE (SOC	222	0.0	0.00500		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3344
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3359
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3374
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3391
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		071323	105		071023	E	1130	06003	2325372-01	KISTLERC_3408
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3426
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3443
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3460
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3477
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3492
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3507
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		071823	105		071023	E	1130	06003	2325372-01RE1	KISTLERC_3524
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		072923	105		071023	E	1130	06003	2325372-01	KISTLERC_3542
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		071523	105		071023	E	1130	06003	2325372-01	KISTLERC_3557
7220038	2383	PCBS (SOC)	225	0.0	0.00008		071823	105		071023	E	1130	06003	2325372-01	KISTLERC_3596
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		072123	105		071023	E	1130	06003	2325372-01	KISTLERC_3613
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		072123	105		071023	E	1130	06003	2325372-01	KISTLERC_3630
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		071823	105		071023	E	1130	06003	2325372-01	KISTLERC_3658
7220038	2005	ENDRIN (SOC)	225	0.0	0.00100		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3173



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2010	LINDANE (SOC)	225	0.0	0.00010		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3190
7220038	2015	METHOXYCHLOR (SOC)	225	0.0	0.00200		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3207
7220038	2020	TOXAPHENE (SOC)	225	0.0	0.00150		071823	106		071023	E	1058	06003	2325373-01	KISTLERC_3224
7220038	2031	DALAPON (SOC)	203	0.0	0.00500		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3239
7220038	2032	DIQUAT (SOC)	235	0.0	0.00400		072723	106		071023	E	1058	06003	2325373-01	KISTLERC_3256
7220038	2034	GLYPHOSATE (SOC)	232	0.0	0.02500		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3274
7220038	2035	DI(2-ETHYLHEXYL)ADIPATE (SOC)	222	0.0	0.00200		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3292
7220038	2036	OXYMAL (VYDATE) (SOC)	231	0.0	0.01000		071323	106		071023	E	1058	06003	2325373-01	KISTLERC_3309
7220038	2037	SIMAZINE (SOC)	222	0.0	0.00200		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3327
7220038	2039	DI(2-ETHYLHEXYL)PHTHALATE (SOC	222	0.0	0.00500		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3345
7220038	2040	PICLORAM (SOC)	203	0.0	0.00200		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3360
7220038	2041	DINOSEB (SOC)	203	0.0	0.00100		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3375
7220038	2042	HEXACHLOROCYCLOPENTADIENE(SOC)	225	0.0	0.00200		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3392
7220038	2046	CARBOFURAN (SOC)	231	0.0	0.01000		071323	106		071023	E	1058	06003	2325373-01	KISTLERC_3409
7220038	2050	ATRAZINE (SOC)	222	0.0	0.00200		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3427
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3444
7220038	2065	HEPTACHLOR (SOC)	225	0.0	0.00020		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3461
7220038	2067	HEPTACHLOR EPOXIDE (SOC)	225	0.0	0.00010		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3478
7220038	2105	2,4-D (SOC)	203	0.0	0.00100		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3493
7220038	2110	2,4,5-TP SILVEX (SOC)	203	0.0	0.00025		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3508



E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT
VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN															
SDWA4															
PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2274	HEXACHLOROBENZENE (SOC)	225	0.0	0.00050		071823	106		071023	E	1058	06003	2325373-01RE1	KISTLERC_3525
7220038	2306	BENZO(A)PYRENE (SOC)	222	0.0	0.00020		072923	106		071023	E	1058	06003	2325373-01	KISTLERC_3543
7220038	2326	PENTACHLOROPHENOL (SOC)	203	0.0	0.00020		071523	106		071023	E	1058	06003	2325373-01	KISTLERC_3558
7220038	2383	PCBS (SOC)	225	0.0	0.00008		071823	106		071023	E	1058	06003	2325373-01	KISTLERC_3597
7220038	2931	1,2-DIBROMO-3-CHLOROPROP(SOC)	219	0.0	0.00002		072123	106		071023	E	1058	06003	2325373-01	KISTLERC_3614
7220038	2946	ETHYLENE DIBROMIDE (EDB) (SOC)	219	0.0	0.00001		072123	106		071023	E	1058	06003	2325373-01	KISTLERC_3631
7220038	2959	CHLORDANE (SOC)	225	0.0	0.00100		071823	106		071023	E	1058	06003	2325373-01	KISTLERC_3659



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2332713

Reported: 08/31/23

Lab Contact: Christina M Kistler

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

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2332713-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 08/22/23 08:59 **Received:** 08/22/23 14:42
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	200	mg CaCO ₃ /L	20	SM 2320 B	08/24/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	338	mg/l	4.56	CALCULATED	08/24/23		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	08/23/23		NJG	N/A N/A	
Silica as SiO ₂	21.7	mg/l	2.14	CALCULATED	08/24/23		HRG	N/A N/A	
Conductivity	717	umhos/cm	1	SM 2510 B	08/28/23		RXN	N/A N/A	
Total Metals									
Calcium	104	mg/l	1	EPA 200.7 Rev 4.4	08/24/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	08/23/23		HRG	N/A 0.3	PASS
Magnesium	19.3	mg/l	0.5	EPA 200.7 Rev 4.4	08/24/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	08/24/23		MPB	N/A 0.05	PASS
Silicon	10.1	mg/l	1.0	EPA 200.7 Rev 4.4	08/24/23		HRG	N/A N/A	

Notes and Definitions

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

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2332713-01			
SM 4500-P F	SM 4500-P B	08/22/2023	NJG



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

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Additional accreditations by MD (261)



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2333787

Reported: 09/06/23

Lab Contact: Christina M Kistler

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

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2333787-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 08/29/23 08:41 **Received:** 08/29/23 14:14
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	202	mg CaCO ₃ /L	20	SM 2320 B	08/31/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	333	mg/l	4.56	CALCULATED	08/31/23		HRG	N/A N/A	
Phosphorus as P, Total	0.07	mg/l	0.01	SM 4500-P F	08/30/23		SNF	N/A N/A	
Silica as SiO ₂	20.2	mg/l	2.14	CALCULATED	08/30/23		HRG	N/A N/A	
Conductivity	739	umhos/cm	1	SM 2510 B	08/31/23		KMS	N/A N/A	
Total Metals									
Calcium	103	mg/l	1	EPA 200.7 Rev 4.4	08/31/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	08/30/23		HRG	N/A 0.3	PASS
Magnesium	18.6	mg/l	0.5	EPA 200.7 Rev 4.4	08/31/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	08/31/23		MPB	N/A 0.05	PASS
Silicon	9.4	mg/l	1.0	EPA 200.7 Rev 4.4	08/30/23		HRG	N/A N/A	

Notes and Definitions

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

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2333787-01			
SM 4500-P F	SM 4500-P B	08/30/2023	SNF



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Additional accreditations by MD (261)

MIDDLETOWN MONTHLY REPORT

APPENDIX 3 CUSTOMER SERVICE

MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS

&

HOMESERVE REPORT

9/05/2023 12:58 PM

*** MONTHLY BILLING REPORT ***

PAGE: 2

DATES: 8/01/2023 THRU 8/31/2023

MEMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE
ACTIVE ACCOUNTS: 0,737	168,407.07	828,827.80	997,234.87
DISCONNECTED ACCTS: 12	309.25	1,144.75	1,454.00
FINALED ACCOUNTS: 389	19,252.78	19,252.78	0.00
INACTIVE ACCOUNTS: 12,467	0.00	0.00	0.00
GRAND TOTALS	15,605	829,972.55	1,017,941.65

ACTIVE ACCOUNT RECONCILIATION
NEW ACCOUNTS: 17
DISCONNECT--NO TRF: 12
DISCONNECT--TRANSFER: 0

CALCULATION SUMMARY	TOTAL CHARGES:	829,972.55
	DEPOSIT RETURNS:	0.00
	TOTAL CURRENT:	829,972.55

----- SERVICE CATEGORY TOTALS -----

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
S SEWER	2672	446,592.18	0.00	0.00	0.00	17269,900.0000		17269,900.0000
SR SURCHARGE	3	0.00	0.00	0.00	0.00			
SR2 SURCHARGE 2	2721	106,998.62	0.00	0.00	0.00			
W WATER	5356	176,381.75	0.00	0.00	0.00	21688,400.0000		21688,400.0000
TOTALS		829,972.55	0.00	0.00	0.00			

----- REVENUE CODE TOTALS -----

R/C DESCRIPTION	R/L ACCOUNT#	AMOUNT
SERVICES:		
200-WTR MDT	687-145900	93,535.93
203-WTR MDT COMMERCIAL	687-145900	112,275.28
206-CUSTOMER CHARGE	687-145900	12,459.85
207-SERVICE CHG / METER	687-145900	49,016.39
210-WTR ROYAL	687-145900	9,026.00
220-WTR L SMT	687-145900	68.30
230-SURCHARGE WATER/SEWER	687-145900	0.00
231-SURCHARGE WATER/SEWER	687-145900	106,998.62
300-SWR MDT	687-145800	381,590.12
306-SW CUST CHARGE	687-145800	65,002.06
310-SWR ROYAL	687-145800	0.00
320-SWR L SMT	687-145800	0.00

R/C TOTALS 829,972.55

----- RATE TABLE TOTALS -----

CAT CODE	TBL DESCRIPTION	SCHED	NOV	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	2670	446,592.18	0.00	0.00	0.00	17,269,900.0000	803

----- RATE TABLE TOTALS -----
** (CONTINUED) **

CAT CODE	TBL DESCRIPTION	SCHED	MON	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
SR 230	SR2 SURCHARGE WATER/SEWE SR2	SR2	7	0.00	0.00	0.00	0.00		
SR2 231	SR2 SURCHARGE WATER/SEWE SR2	SR2	2721	106,998.62	0.00	0.00	0.00		
W 200	C10 CORR 1" MTR	C10	35	4,645.08	0.00	0.00	0.00	365,200.0000	
W 200	C15 CORR 1 1/2" MTR	C15	9	7,546.40	0.00	0.00	0.00	702,700.0000	
W 200	C20 CORR 2" MTR	C20	22	18,760.84	0.00	0.00	0.00	1,745,500.0000	
W 200	C30 CORR 3" MTR	C30	5	8,136.60	0.00	0.00	0.00	766,500.0000	
W 200	C40 CORR 4" MTR	C40	2	207.32	0.00	0.00	0.00	12,500.0000	
W 200	C58 CORR 5/8" MTR	C58	15	2,222.87	0.00	0.00	0.00	181,300.0000	
W 200	C60 CORR 6" MTR	C60	13	69,326.66	0.00	0.00	0.00	6,603,500.0000	
W 200	C75 CORR 3/4" MTR	C75	2	305.08	0.00	0.00	0.00	24,900.0000	
W 200	C80 CORR 8" MTR	C80	4	4,320.88	0.00	0.00	0.00	393,600.0000	
W 200	COM COMPOUND WATER M/C	COM	12	0.00	0.00	0.00	0.00		
W 200	LSR LAMER SMAT 8" MTR	LSR	1	68.30	0.00	0.00	0.00	1,100.0000	
W 200	NCM NO CHG	NCM	25	0.00	0.00	0.00	0.00	116,800.0000	
W 200	R10 RESID 1" MTR	R10	34	1,641.85	0.00	0.00	0.00	80,000.0000	
W 200	R58 RESID - 5/8" MTR	R58	2554	142,828.32	0.00	0.00	0.00	8,223,600.0000	
W 200	R60 RESID 6" MTR	R60	1	6,602.02	0.00	0.00	0.00	630,000.0000	
W 200	R75 RESID 3/4" MTR	R75	4	613.28	0.00	0.00	0.00	50,100.0000	
W 200	R86 RESID 6" MTR	R86	2	9,026.00	0.00	0.00	0.00	1,791,100.0000	
W 210	ALV FLAT RATE WATER -VAR ALV		2	130.25	0.00	0.00	0.00		
W 220	MC WATER METER CHARGE - MC		2614	0.00	0.00	0.00	0.00		
TOTALS				829,972.55	0.00	0.00	0.00		

----- METER GROUP TOTALS -----

CODE	DESCRIPTION	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION	DEMAND CONSUMPTION
W	WATER	21,688,400.0000	0.000	21,688,400.0000	

----- REFUNDED DEPOSIT TOTALS -----

CODE	DESCRIPTION	NUMBER	AMOUNT
DEPOSIT TOTALS		0	0.00

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

=== REVENUE CODE TOTALS ===

REVENUE CODE:	--CURRENT--	+1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	--BALANCE--
081-NSF CK FEE	0.00	137.18	15.76	24.42	0.00	177.36
20C-WTR MDT	92658.70	16901.74	9131.17	2716.60	3409.25	124817.46
201-WATER TURN ON	0.00	83.56	59.34	13.29	50.54	206.73
203-WTR MDT COMMERCIAL	107761.84	6560.09	1439.07	239.14	99.01	116099.15
206-CUSTOMER CHARGE	12219.52	2274.17	1201.14	425.86	2414.10	18534.79
207-SERVICE CHG / METER	47978.94	8943.63	4651.83	1649.37	9379.94	72603.71
21C-WTR ROYAL	9026.00	0.00	0.00	0.00	0.00	9026.00
22C-WTR L SWT	68.30	0.00	0.00	0.00	0.00	68.30
23C-SURCHARGE WATER/SEWER	16.28	9.64	9.60	9.60	1313.27	1358.39
231-SURCHARGE WATER/SEWER	101583.24	4002.94	1709.54	785.05	2082.89	110163.66
275-WTR PEN	193.19CR	1926.04	858.41	304.58	926.45	3822.29
30C-SWR MDT	368408.84	49237.43	21602.64	6045.47	7974.44	453268.82
306-SW CUST CHARGE	63706.83	12076.92	6402.76	2264.51	26897.55	111348.57
375-SWR PEN	271.15CR	3254.08	1448.73	503.52	2256.04	7191.22
996-UNAPPLIED	16762.09CR	0.00	0.00	0.00	0.00	16762.09CR
999-REFUND	1733.93CR	0.00	0.00	0.00	0.00	1733.93CR
TOTALS	784468.13	105407.42	48529.99	14981.41	56803.48	1010190.43

TOTAL REVENUE CODES: 1,010,190.43

TOTAL ACCOUNT BALANCE: 1,010,190.43

DIFFERENCE: 0.00

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

TYPE	DAY	COUNT	AMOUNT
ADJUSTMENT	03	1	66.44CR
	04	1	3.49CR
	07	8	146.72CR
	10	2	187.66CR
	11	6	5,419.85
	16	1	20.00CR
	18	5	2,637.21
	21	1	50.00
	23	2	100.00
	25	3	5.56
	28	4	1,307.35CR
	29	148	62.49CR
	30	2	25.96CR
ADJUSTMENT TOTAL			6,392.51
BILL	03	2	57.67CR
	04	2	17.25CR
	07	5	36.93CR
	10	1	35.02
	15	2	11.21CR
	16	1	37.04
	18	2	103.96
	22	1	47.60
	23	1	676.41
	25	2	28.07CR
	28	2	7.48CR
	29	2,741	829,230.27
	30	3	0.86
BILL TOTAL			829,972.55
LATE CHARGE	29	452	6,428.52
LATE TOTAL			6,428.52
MEMO	21	28	0.00
MEMO TOTAL			0.00
PAYMENT	01	8	2,385.04CR
	02	32	5,259.99CR
	03	87	14,294.82CR
	04	81	17,790.83CR
	07	344	68,065.85CR
	08	78	15,861.29CR
	09	43	10,513.59CR
	10	212	53,275.52CR

Difference - adj total ± \$ Billed -
Other Revenue \$12,821.03

===== D A I L Y D I S T R I B U T I O N =====			
TYPE	DAY	COUNT	AMOUNT
	11	123	31,650.36CR
	14	161	176,565.56CR
	15	180	85,255.61CR
	16	167	35,801.07CR
	17	109	19,857.28CR
	18	92	29,298.55CR
	21	81	23,848.72CR
	22	36	5,684.90CR
	23	67	14,483.88CR
	24	49	8,581.72CR
	25	46	9,269.64CR
	28	47	12,783.88CR
	29	19	41,901.91CR
	30	17	3,150.36CR
	31	13	2,596.94CR
PAYMENT TOTAL			688,177.31CR
DRAFT	16	387	69,953.78CR
	21	25	19,406.59CR
DRAFT TOTAL			89,360.37CR
REVERSE-PAY	04	28	7,586.52
	18	1	250.00
	21	1	341.73
	23	11	2,002.63
	25	1	808.81
REVERSE PAY TOTAL			10,989.69
GRAND TOTAL FOR PERIOD			76,245.59

> Total Collected = \$ 777,537.68

**** REPORT TOTALS ****

Book	Services	Addresses
02 - BOOK 02	1	0
04 - BOOK 04	4	0
05 - BOOK 05	1	0
08 - BOOK 08	1	1
09 - BOOK 09	1	0
12 - BOOK 12	4	0
15 - BOOK 15	1	0
16 - BOOK 16	3	0
18 - BOOK 18	1	0
20 - BOOK 20	1	1
21 - BOOK 21	3	2
29 - BOOK 29	1	0
Grand Totals	22	4

8/31/2023 3:11 PM
ZONE: < All Zones >
SORT: ACCOUNT

MXU REPORT

PAGE: 75
GROUP: * - All Groups

METER NO#	ACCOUNT NO#	NAME	ADDRESS	MXU TYPE	MXU ID
W 89769377	INVENTORY				1483441392
W 89769378	INVENTORY				1483439978
W 89769379	INVENTORY				1483441800
W 89769380	INVENTORY				1483439974
W 89769381	INVENTORY				1483439982
W 89769382	INVENTORY				1483440690
W 89769383	INVENTORY				1483441674
W 89769384	INVENTORY				1483434890
W 89769385	INVENTORY				1483434850
W 68321084	INVENTORY				1440302592 Duplica
W 68321092	INVENTORY				1460155946 Duplica
W 68321088	INVENTORY				1460082070 Duplica
W 68652385	INVENTORY				1460168502 Duplica
W 8652384	INVENTORY				1440127130 Duplica
W 68652383	INVENTORY				1460195730 Duplica
W 69632167	INVENTORY				1460195756 Duplica
W 70112613A	INVENTORY				1470321453 Duplica
W 70112613	INVENTORY				1470321452 Duplica
W 70323396	INVENTORY				1471966926 Duplica
W 70323396A	INVENTORY				1471966927 Duplica
W 70323397A	INVENTORY				1470157603 Duplica
W 70323397	INVENTORY				1470157602 Duplica
W 69632184	INVENTORY				1542361382
W 35670264	INVENTORY				1440131648 Duplica
W 35670270	INVENTORY				1542411182
W 35670271	INVENTORY				1440096730 Duplica
W 35670267	INVENTORY				1551255668
W 36512912	INVENTORY				1460079314 Duplica
W 36512915	INVENTORY				1568109238
W 36512901	INVENTORY				1440121830 Duplica
W 36512922	INVENTORY				1460197074 Duplica
W 36512921	INVENTORY				1440128082 Duplica
W 37016026	INVENTORY				1470153476
W 27016014	INVENTORY				1548612198
W 85441897	INVENTORY				1563419820
W 53388599	INVENTORY				1551754996
W 38982668	INVENTORY				1548613312
W 10659431	INVENTORY				1568103474
W 10871871	INVENTORY				1568031178
W 10871883	INVENTORY				1563387082
W 10871886	INVENTORY				1563522708

*** TOTAL METERS IN SERVICE 2757
*** TOTAL METERS IN INVENTORY 910

ACTION	----- ISSUED THIS PERIOD -----				----- PRIOR ORDERS -----			TOTAL	TOTAL
	ISSUED	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	OUTSTANDING
C CONNECT	4	4	0	0	185	4	0	189	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	60	60	0	0	3,695	94	0	3,755	0
M METER CHANGE	10	10	0	0	862	8	0	872	0
D OCC CHANGE	15	15	0	0	1,505	3	0	1,520	0
R REINSTATE	0	0	0	0	2	2	0	2	0
S SERV CHANGE	0	0	0	0	34	0	0	34	0
Z MISC	0	0	0	0	843	25	0	843	0
AA GRAND TOTALS AA	89	89	0	0	7,175	143	0	7,264	0

9/05/2023 1:09 PM

*** BILLED CONSUMPTION REPORT ***

PAGE: 367

DATES: 8/01/2023 THRU 8/31/2023

TYPE: * - All

*** SERVICE CATEGORY TOTALS ***

SERV CATG	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL AMOUNT
S	2,672	17,269,900	17,269,900		\$	446,592.18
SR	2,656	0	0			
SR2	2,721	0	0		\$	106,998.62
W	5,356	21,688,400	21,688,400		\$	276,381.75

2023 MIDDLETOWN COLLECTION INFORMATION

	Bill Due Date	Date 10 Day Notice Issued	Number of 10 Day Notices issued for Balances over \$50.00	Date 3 Day Notices Posted	Number of 3 Day Notices for Balances over \$100.00	Shut offs
January Bill Cycle	2/15/2023	2/21/2023	237	3/10/2023	53	NO SHUT OFF DUE TO WEATHER
February Bill Cycle	3/15/2023	3/21/2023	238	4/13/2023	55	6 SHUT OFFS (4 VACANT) 2 PROPERTIES TURNED BACK ON
March Bill Cycle	4/17/2023	4/19/2023	252	5/10/2023	64	5 SHUT OFFS (2 VACANT) 3 PROPERTIES TURNED BACK ON
April Bill Cycle	5/16/2023	5/18/2023	246	6/7/2023	69	3 SHUT OFFS (1 VACANT, 2 OCCUPIED) 2 PROPERTIES TURNED BACK ON
May Bill Cycle	6/16/2023	6/22/2023	244	7/10/2023	56	2 SHUT OFFS (2 OCCUPIED) 2 PROPERTIES TURNED BACK ON
June Bill Cycle	7/17/2023	7/20/2023	238	8/7/2023	77	NO SHUT OFFS
July Bill Cycle	8/16/2023	8/21/2023	258	9/8/2023	72	5 SHUT OFFS (5 VACANT) 5 PROPERTIES TURNED BACK ON
August Bill Cycle						
September Bill Cycle						
October Bill Cycle						
November Bill Cycle						
December Bill Cycle						

AUGUST 2023 CUSTOMER SERVICE CALLS																								
VEOLIA MIDDLETOWN																								
Date	How Contact Was Received			Customer Service Inquiries															Field Service Requests					Field Request Info
	Call direct to Middletown CS	Customer Correspondence (Letters/E-mails)	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 Yous	Sewer Back up or SSO	Water Leaks	Broke, Froze, Leaking Meter	No Water/Low Pressure	Water Quality	
August 1st, 2023	5	0	5									5												
August 2nd, 2023	14	0	14									14												
August 3rd, 2023	55	6	61	1			1			6		44		2	1									
August 4th, 2023	56	7	63	1						5		49	1											
August 7th, 2023	50	7	57							6		44												
August 8th, 2023	40	3	43	2						8		30												
August 9th, 2023	41	2	43	1						5		29	6											
August 10th, 2023	46	3	49	2						3		34	7											
August 11th, 2023	42	5	47	1						4		32	5											
August 15th, 2023	78	7	85				1	1		5		65	6											
August 16th, 2023	70	4	74	1						7		62												
August 17th, 2023	35	2	37	2						3		26		1	3									
August 18th, 2023	52	2	54	1			1	1		4		42	2	1										
August 21st, 2023	34	3	37							5		26			2	1								
August 22nd, 2023	25	1	26	1						4		19		1										
August 23rd, 2023	27	3	30	2			1			4		18	2											
August 24th, 2023	14	2	16	1						3		10												
August 25th, 2023	44	3	47	3				1		5		32	3											
August 28th, 2023	25	2	27	2			1			6		14			2									
August 29th, 2023	22	5	27	3						7		5	6	1										
August 30th, 2023	17	6	23	1						4		9			1	1					1			
August 31st, 2023	16	1	17	3			1			2		7				1	1				1			
GRAND TOTALS	808	74	882	28	0	0	0	3	0	96	0	618	38	6	9	2	2	0	0	0	2	0	0	

SUEZ (Middletown)

Date Start

2022-08-31

Date End

2023-08-31

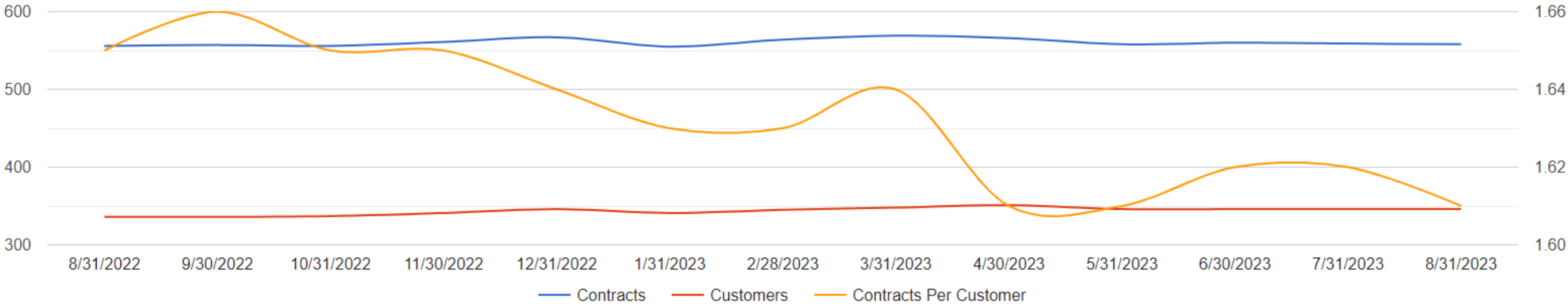
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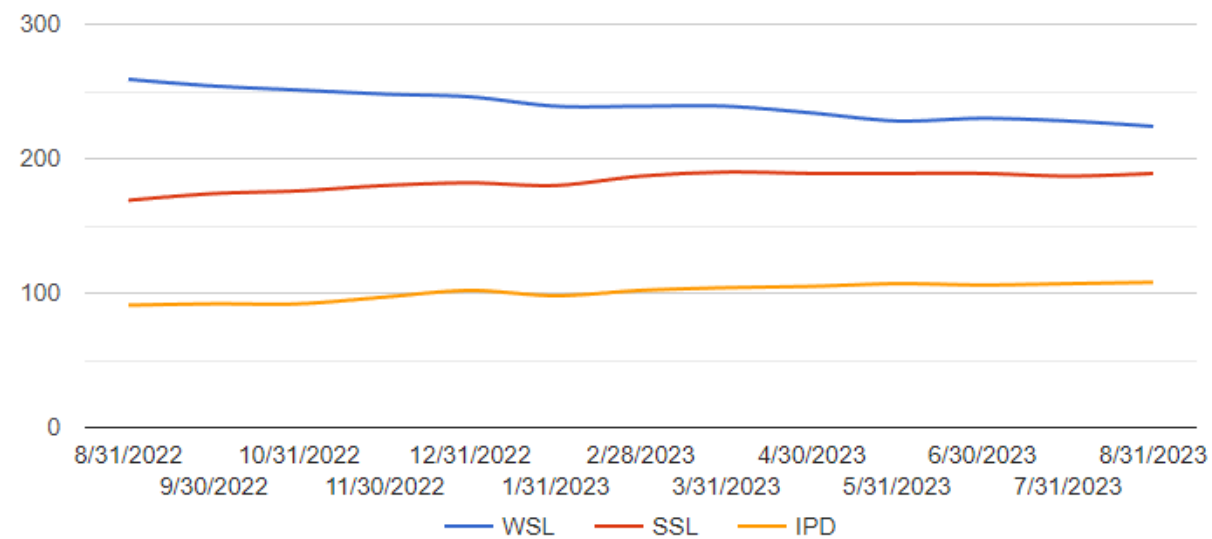
Contracts and Customers

Contracts & Customers

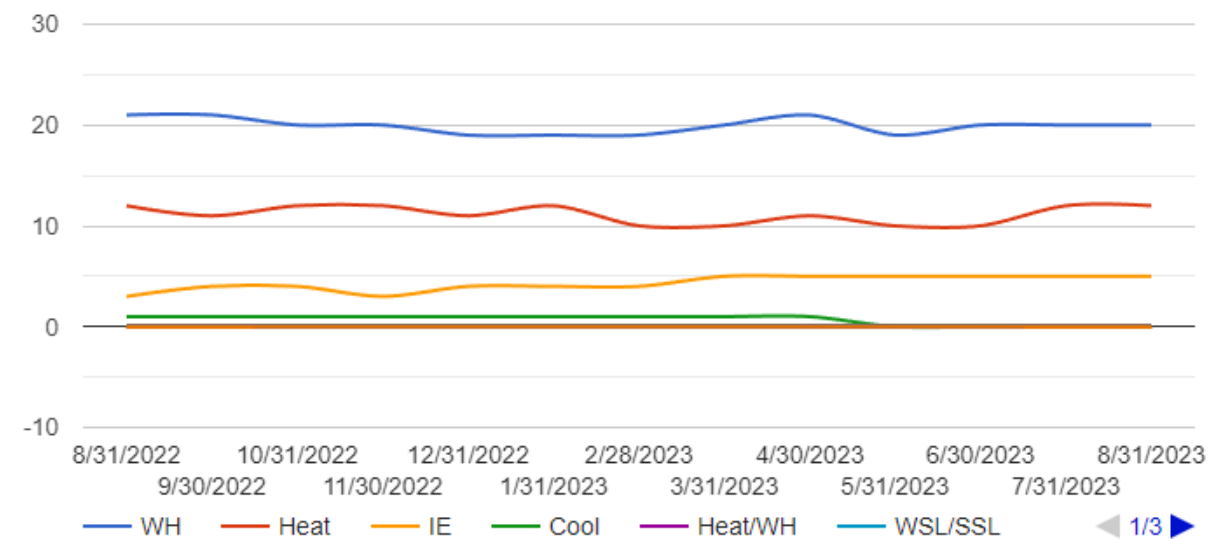
Contracts per Customer



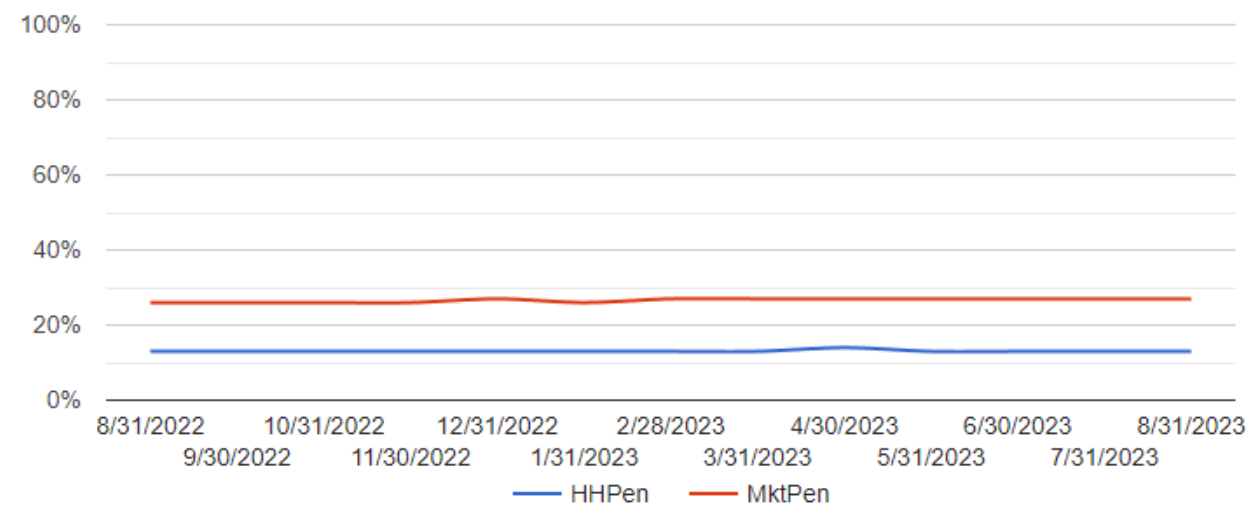
Leading Contracts by Type (Top 3)



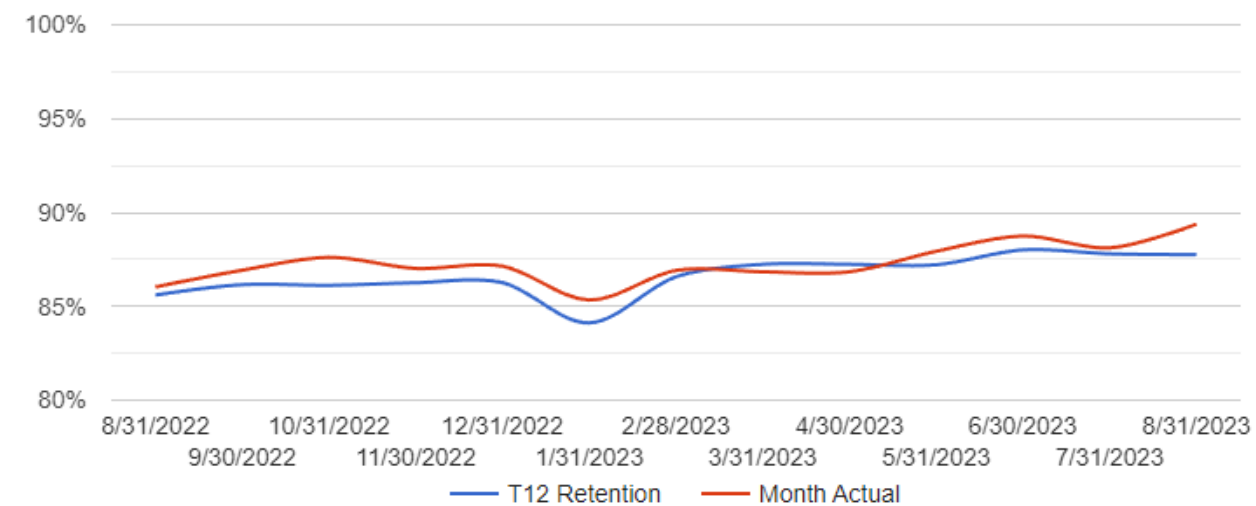
Leading Contracts by Type Other



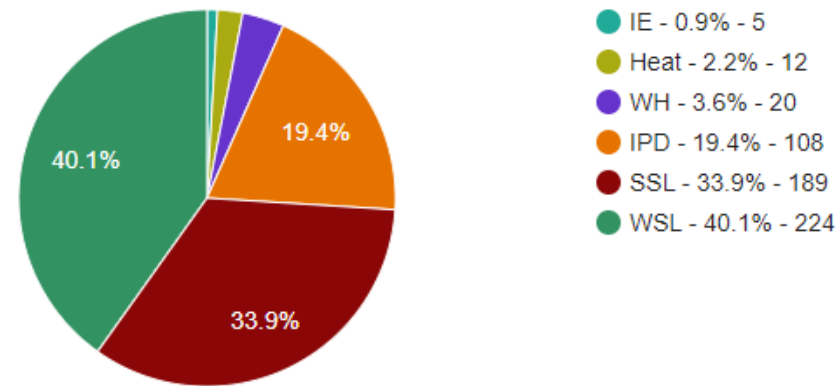
Household Penetration



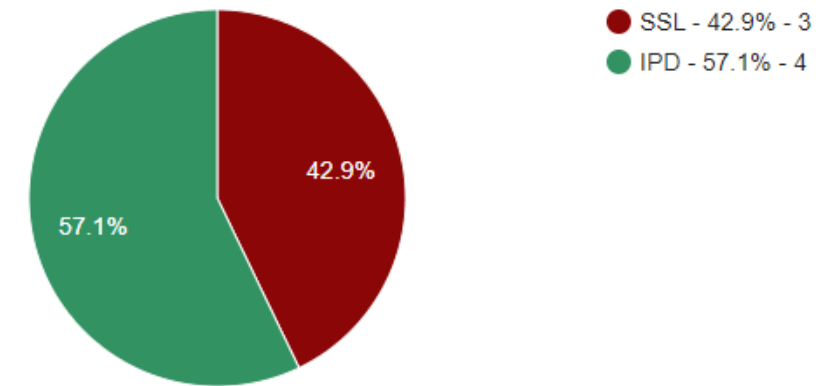
Retention



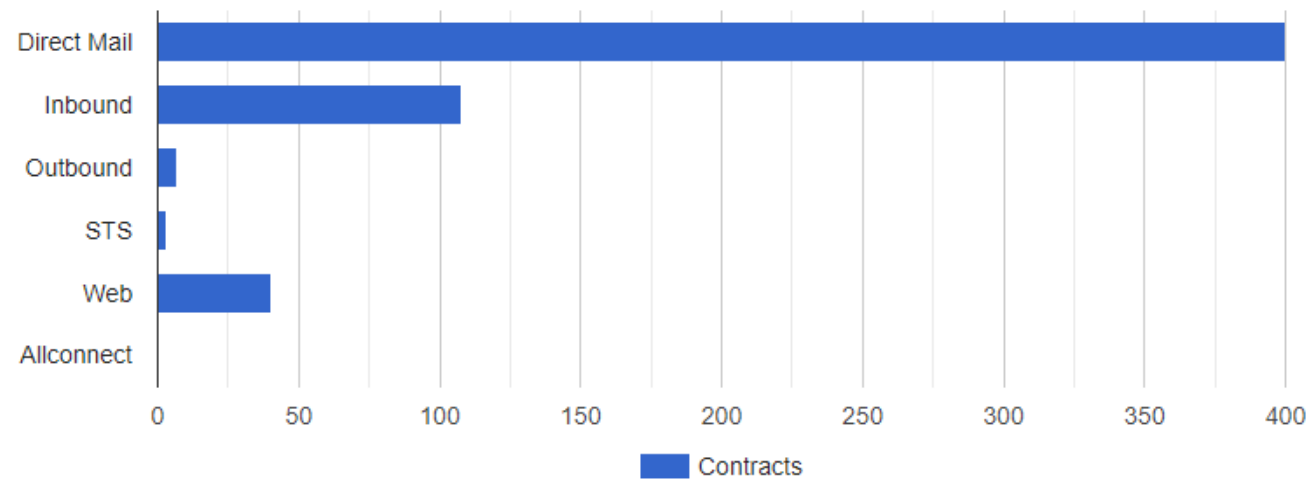
Contracts by Product Type



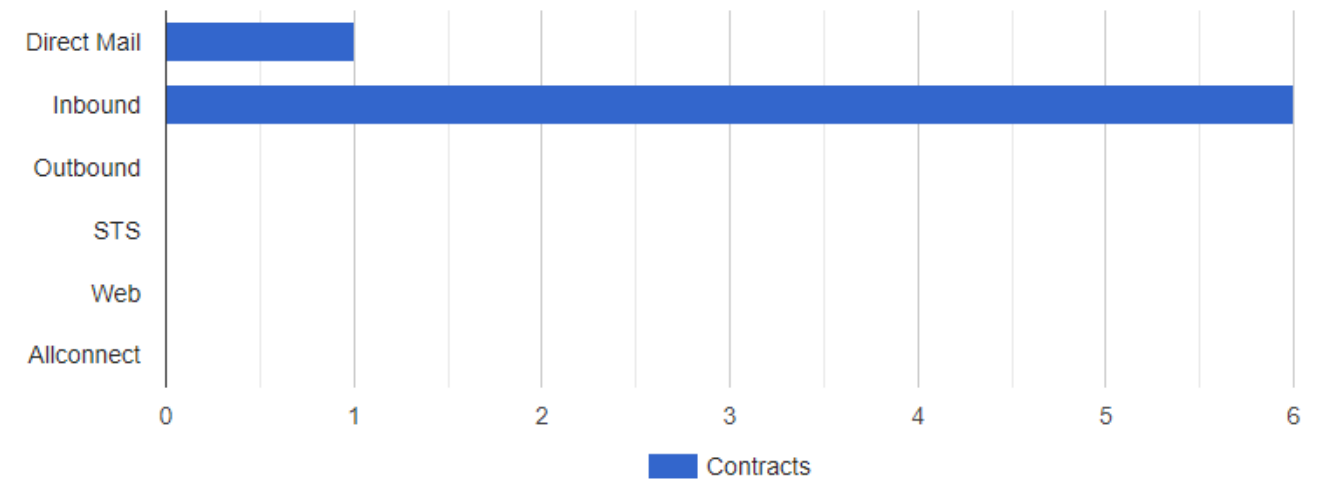
Contracts by Type - Last 30 Days



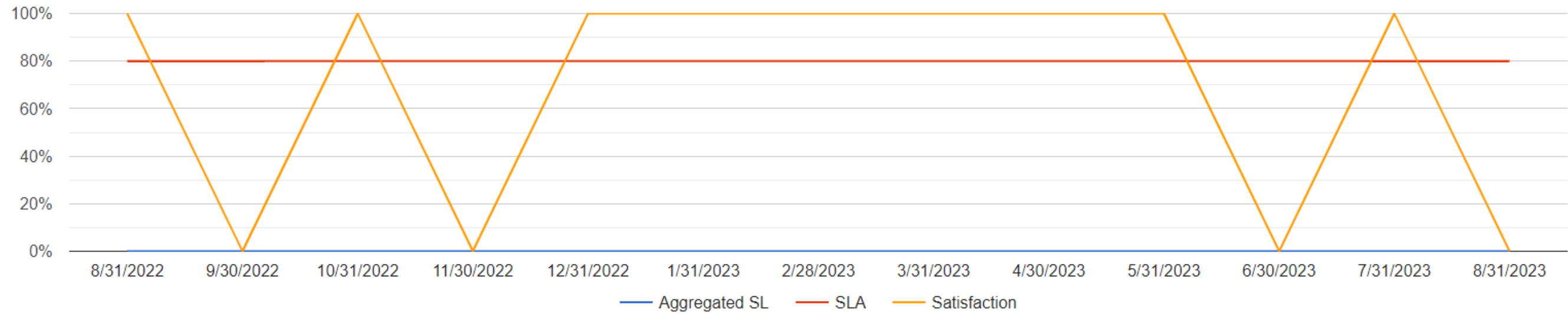
Contracts by Channel



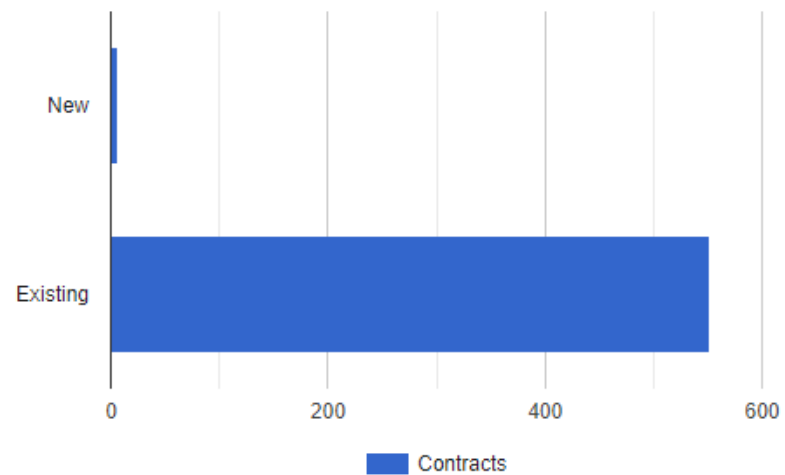
Contracts by Channel - Last 30 Days



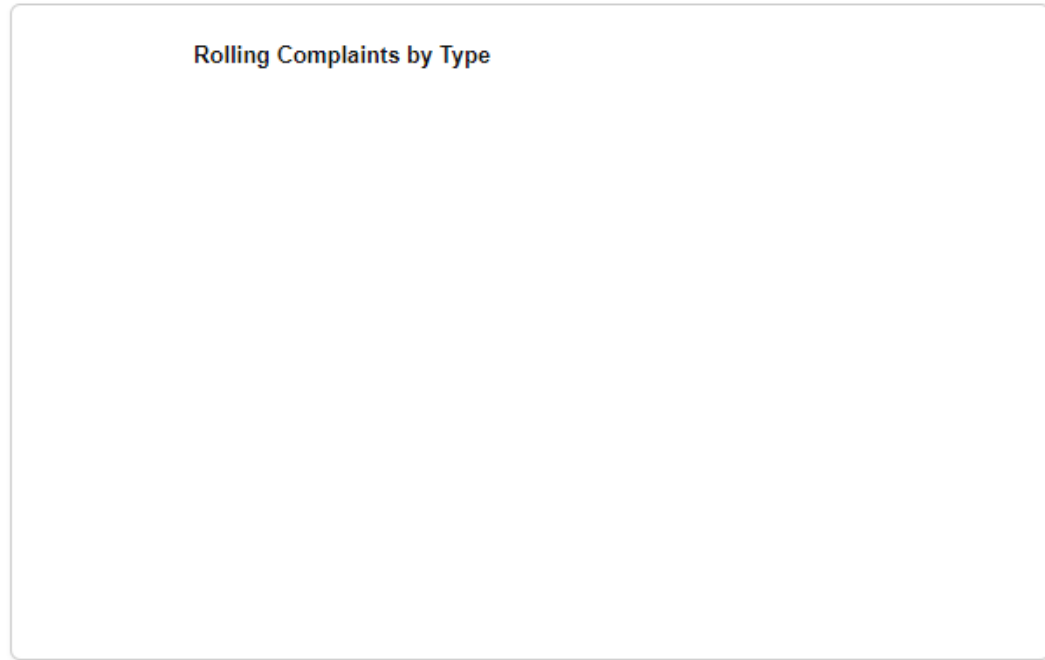
Service Levels And Satisfaction



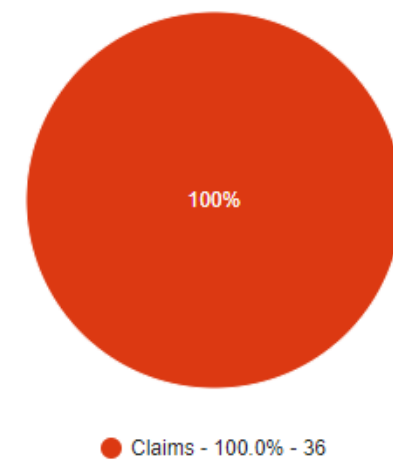
New v. Existing



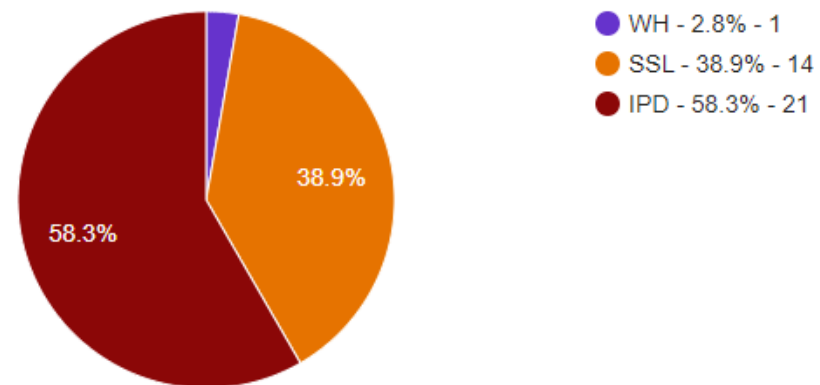
Rolling Complaints by Type



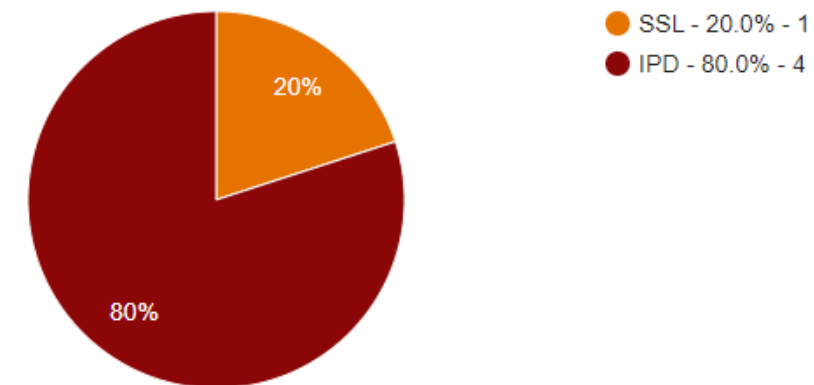
Complaints vs Claims



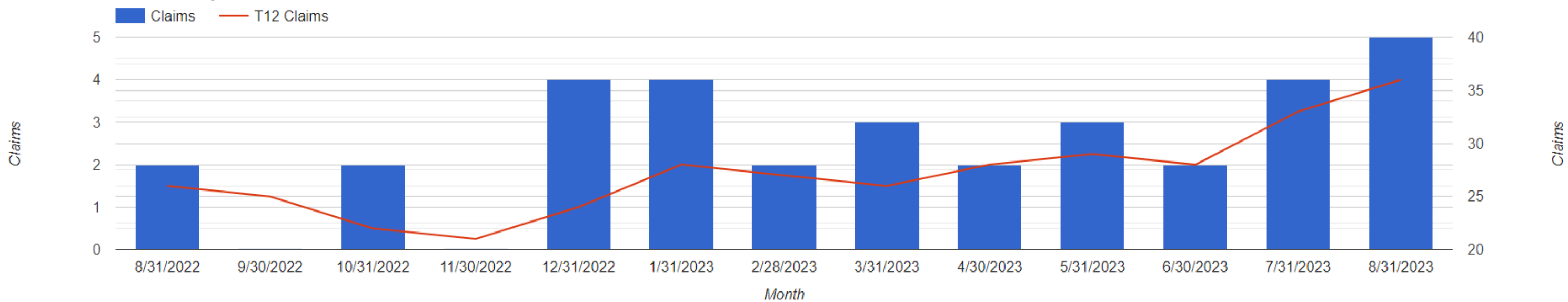
T12 Month Claims by Type



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