

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



October 31, 2023

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**RE: Transmittal of Veolia Middletown Operations Report September 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

SEPTEMBER 2023



## EXECUTIVE SUMMARY

This report covers the monthly period of September 1, 2023 through September 30, 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 drop pipe and well pump installation and wiring at well 4.
- Continued small meter replacement program.
- Continued annual sewer jetting.

## 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.

# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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## Environment, Health and Safety

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

## Customer Service

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

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

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

The meter reading cycle for water consumption in August was successfully completed on September 27th, 2023.

- Sent 253, 10 day shut-off notices to accounts that were \$50 past due for the August 2023 billing period
- Posted 90 properties with 3 day shut-off notices

## Engineering and Capital Expense

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

## Conclusion

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

# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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## MONTHLY OPERATIONS REPORT

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

### Wastewater Treatment Plant DMR

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

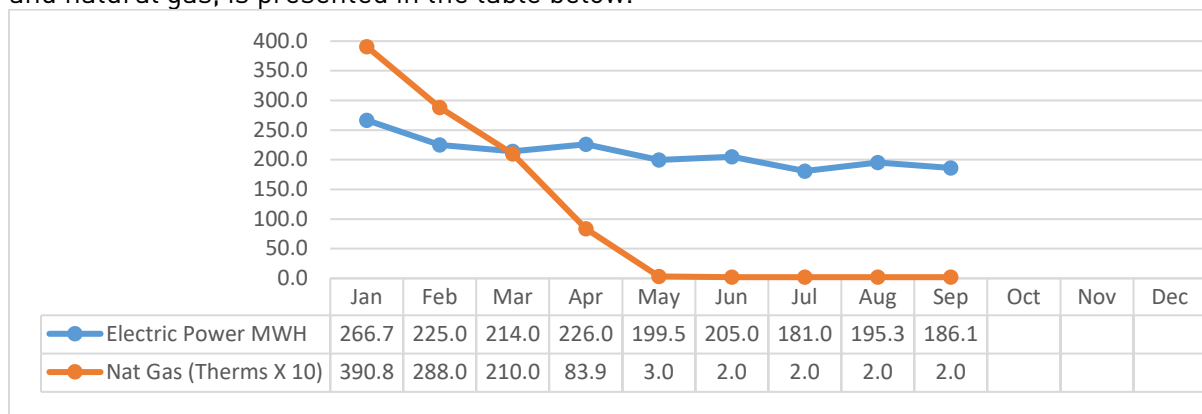
### Quality Control Reporting

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

## Energy Management and Sustainability

### Energy Use

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



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

### Energy Efficiency Initiatives

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

### Sustainability

Middletown received a score of 97 for the GRESB Report submitted in 2023. This was a 6 point increase from the GRESB Report submitted in 2022, and an 81 was received for the GRESB Report submitted in 2021. The 2022 GRESB Report data was compiled in April. Objectives will be developed to increase and 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	9/25/23*
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
WWTP	Gear Box	Thickener	10/28/23	Gearbox Failure	In Progress

\*Date of repair. Will be returned to service pending completion of the project and PA DEP inspection.



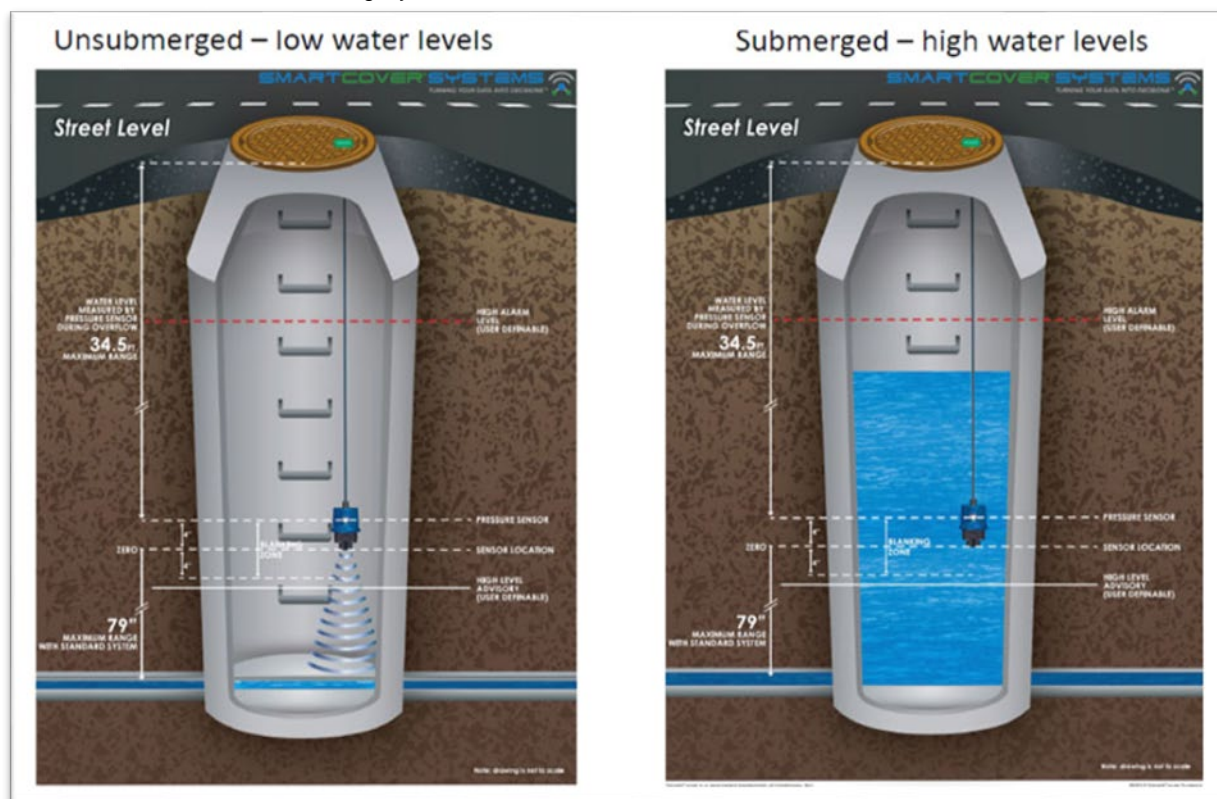
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## Sanitary Sewer System

SmartCover® Sewer Monitoring System



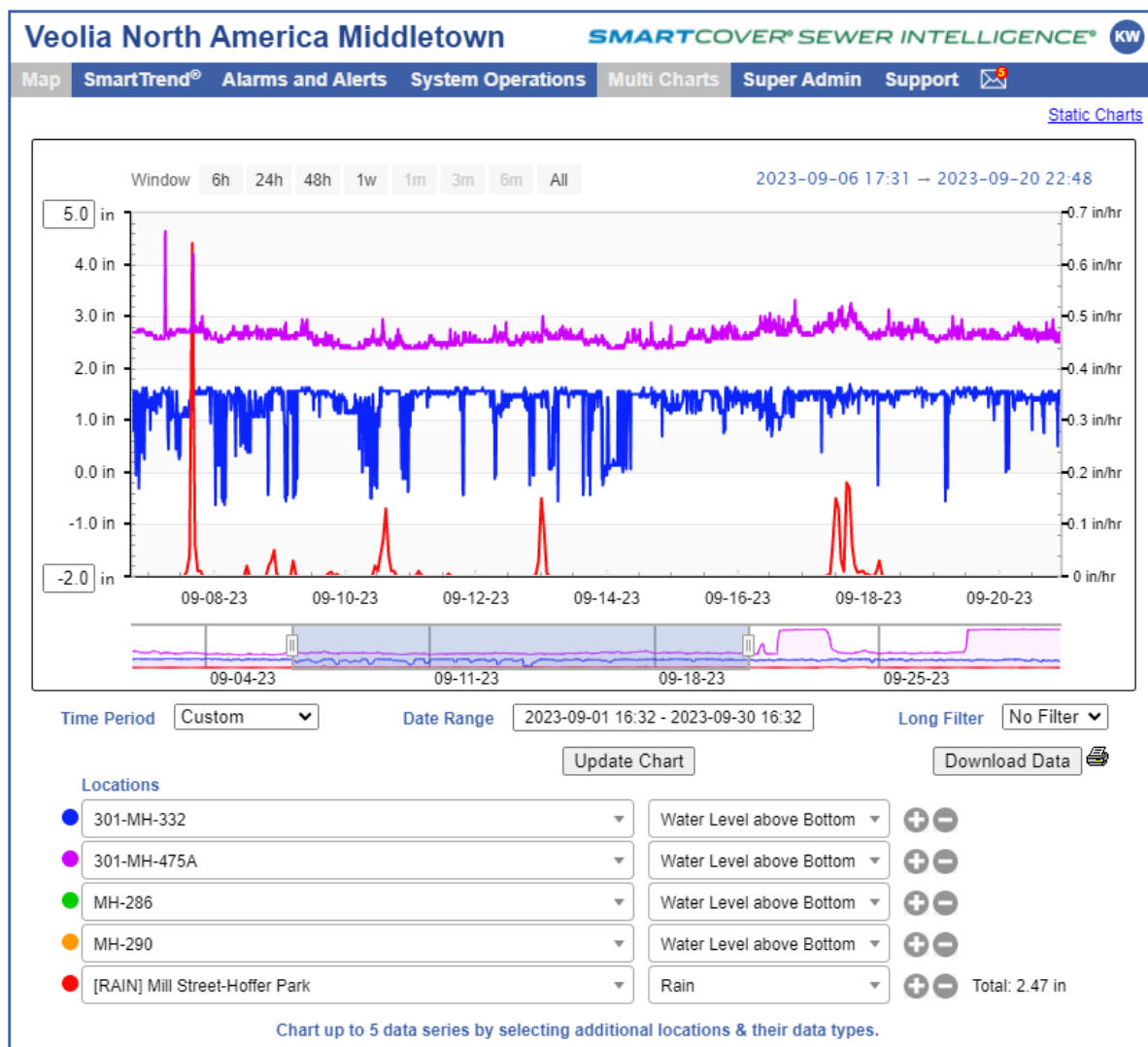
Ultrasonic level sensor (on the left) and pressure transducer (on the right). The covers use level sensing technology to analyze sewer elevations throughout the monitored area. This technology is used to monitor and reduce sanitary sewer overflows (SSO's) at problematic locations. The SmartCovers installed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

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



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## Key Performance Indicators

### Project Status Snapshot

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

KPI	Hydrants Inspected	Main Valves Exercised	Ft Wastewater Mains Cleaned	Ft Water System Leak Detection
Last	0	0	8071	35
Current	0	0	6445	0
YTD	166	124	18158	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.

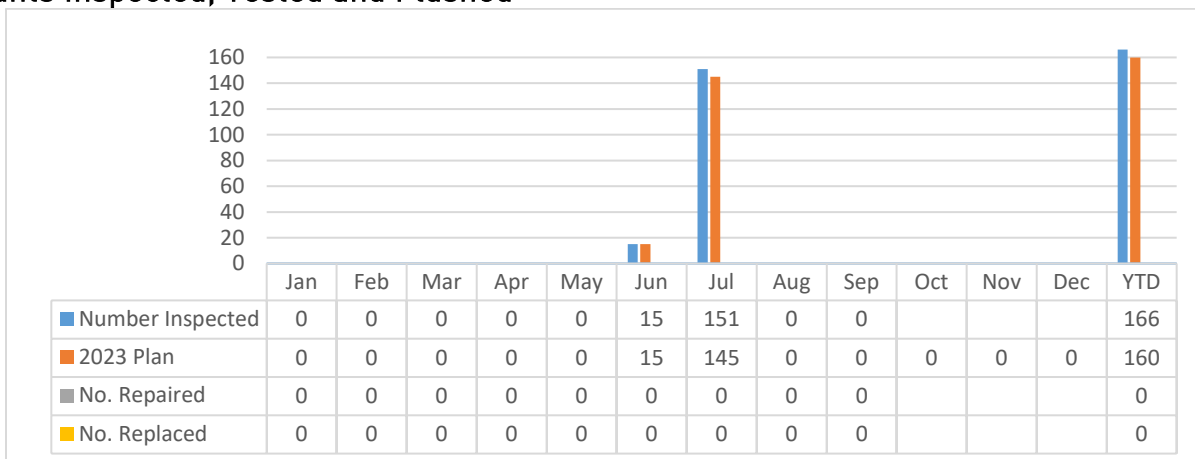
**Sanitary Mains Cleaned/CCTV Inspected:** The 2022 jetting and CCTV requirement were completed in March 2023, which was postponed due to supply chain and vehicle equipment issues.

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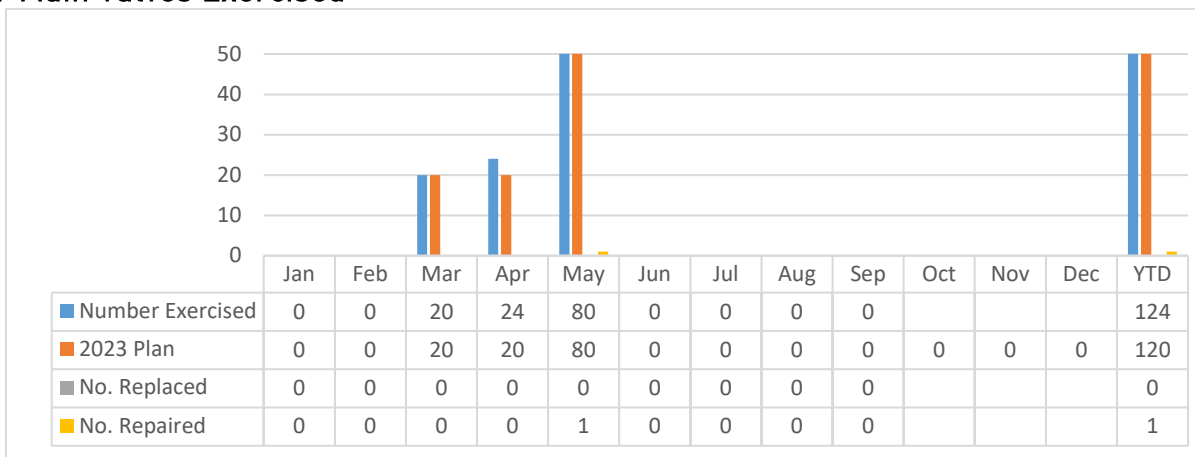
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## Hydrants Inspected, Tested and Flushed



## Water Main Valves Exercised

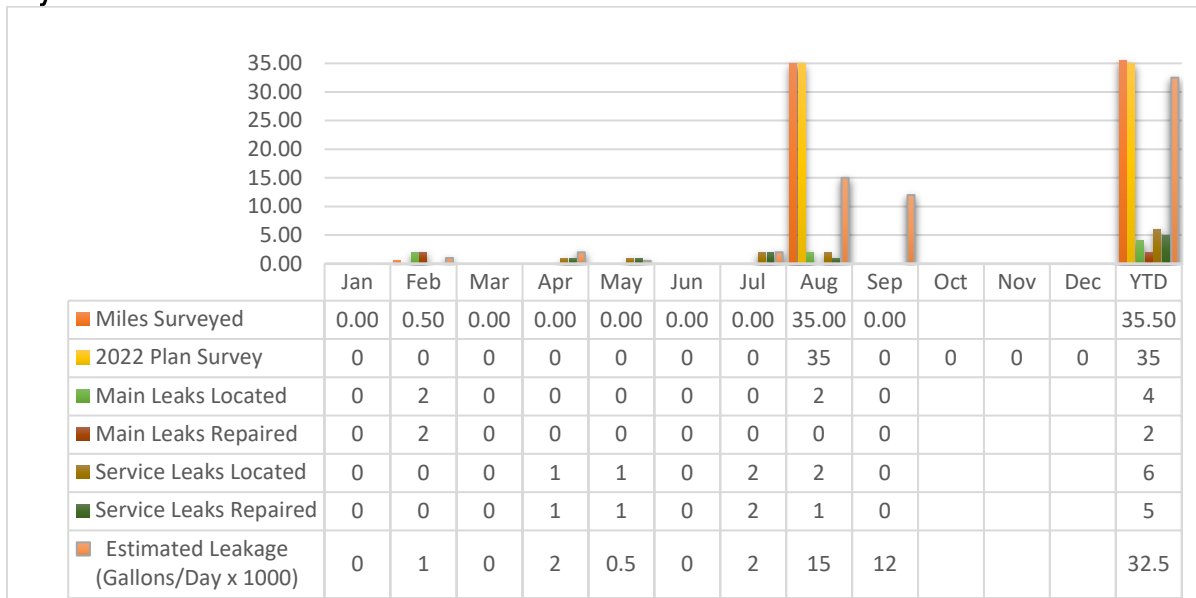


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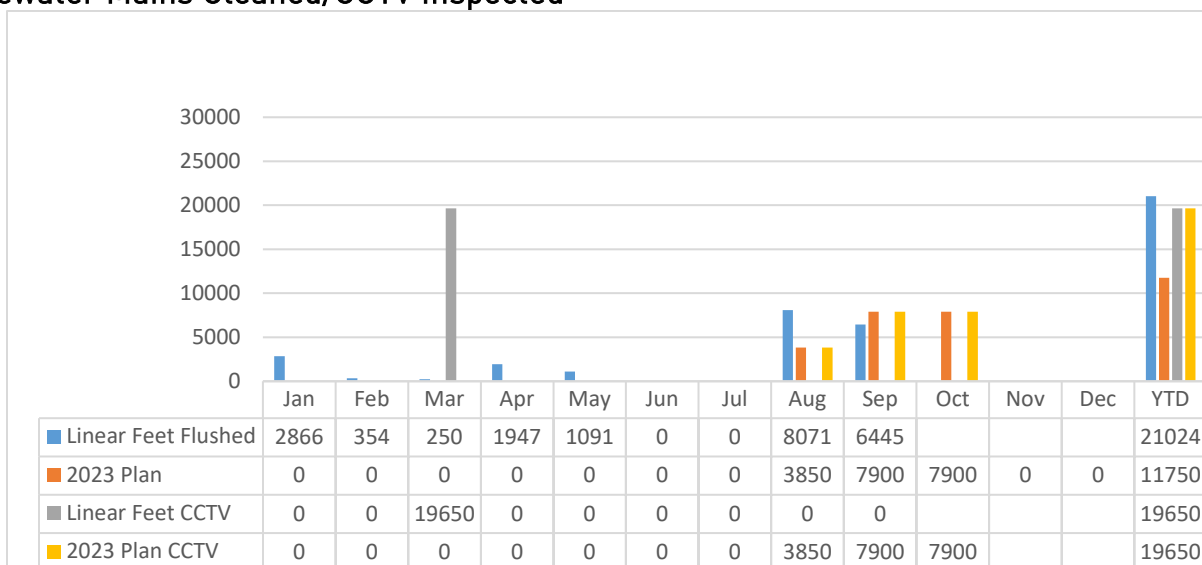
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## Water System Leak Detection



## Wastewater Mains Cleaned/CCTV Inspected

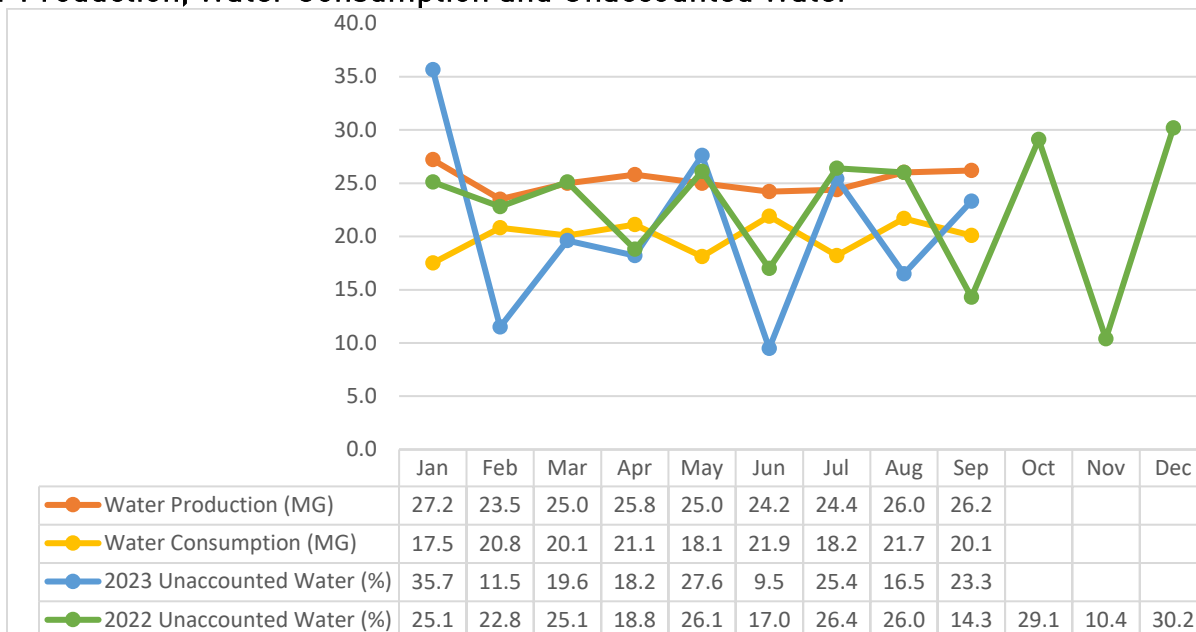


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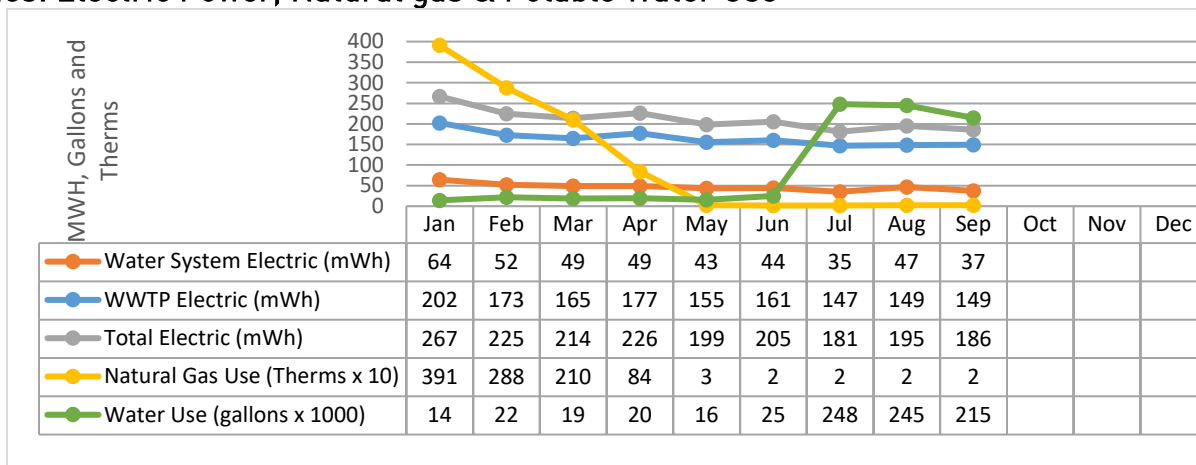
## Water Production, Water Consumption and Unaccounted Water



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	318				
Hydrofluorosilic Acid	lbs	305	265	282	292	282	257	263	273	283				
Alum	gal	35	37	69	43	50	60	61	70	58				
Thickening Polymer	gal	55	64	45	48	54	56	44	51	47				
Dewatering Polymer	gal	129	160	88	103	118	81	88	63	87				
Chlorine (WWTP)	lbs	404	329	462	390	444	460	490	501	464				
Lime	lbs	5628	2743	1666	1647	1702	1451	1433	1411	1380				

## 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 July 2023. One hundred and fifty-seven small meters were replaced and will be tested at the

# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

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conclusion of the project. The Middletown project continues to replace small meters as needed and has replaced thirty-seven to date.

## 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	0				1	1	1	0	3
Water Process	16	0	0	16	0	0	15	0	0				16	16	15	0	47
Interconnect/Large	0	0	0	2	0	0	0	0	0				0	2	0	0	2
Small Meter	0	0	0	0	0	0	0	0	0				0	0	0	0	0
<b>TOTAL</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>19</b>	<b>16</b>	<b>0</b>	<b>52</b>

## 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.
- Complete annual sewer jetting requirement.



## 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 will remain closed, but the telephone and drop box for payments remain open. Call volume increased in August with a total of 771 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 and concluded on August 18, 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 September was 96.5% and 99.08% 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 19 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 September was 88.

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 424 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	22				78	123	131
Bill Inquiry	99	57	89	94	127	143	162	96	97				964	1448	934
Finals	19	12	13	14	22	18	13	9	11				131	242	173
New Account	7	5	11	7	16	12	9	6	2				75	118	98
Meter Reading / Re-Reads	1	3	3	5	0	0	0	2	2				16	13	0
Payments	610	560	590	576	631	591	585	616	569				5328	6901	6127
Collection Letter	51	45	37	68	104	109	79	38	28				559	735	168
Rates	0	11	1	0	0	0	0	0	1				13	9	30
Complaints	0	0	0	0	0	0	0	2	1				3	0	1
Sewer	0	2	0	0	0	0	0	0	1				3	6	12
Leaks	3	2	1	3	2	0	4	2	4				21	15	11
No/Low Water Pressure	0	1	0	0	2	0	1	0	1				5	8	6
Copy Of Bill	3	4	3	3	4	0	2	3	1				23	101	2
Correct. Bills	0	0	0	0	0	0	0	0	0				0	0	0
Mtr Change Out	0	0	0	0	0	0	0	0	1				1	0	1
Customer Correspondance	61	29	48	56	57	71	57	74	55				508	763	922
Discolored/Water Quality	0	1	0	1	0	0	0	0	1				3	1	0
Calls Referred to SUEZ Hbg	33	17	24	23	30	29	23	28	29				236	414	439
Calls from City / Other Org	0	0	0	0	0	0	0	0	0				0	0	1
Compliments	0	0	0	0	0	0	0	0	0				0	1	18
<b>2023 TOTALS</b>	<b>899</b>	<b>753</b>	<b>828</b>	<b>858</b>	<b>1003</b>	<b>976</b>	<b>942</b>	<b>882</b>	<b>826</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7967</b>		
<b>2022 TOTALS</b>	<b>1005</b>	<b>920</b>	<b>966</b>	<b>915</b>	<b>972</b>	<b>955</b>	<b>902</b>	<b>905</b>	<b>818</b>	<b>933</b>	<b>814</b>	<b>794</b>		<b>10899</b>	

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)

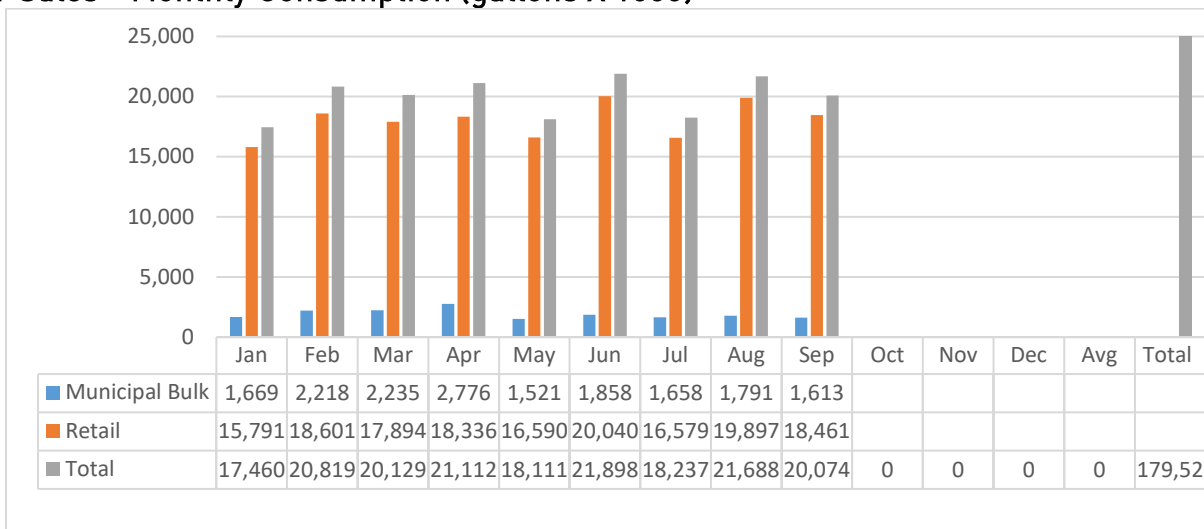


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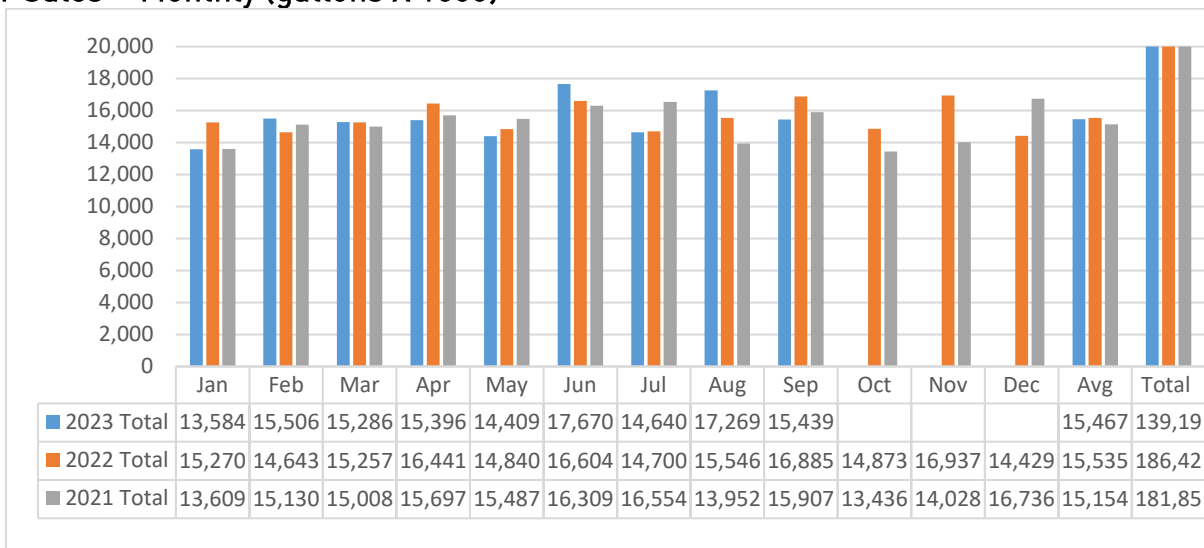
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## Water Sales - Monthly Consumption (gallons X 1000)



## Sewer Sales - Monthly (gallons X 1000)



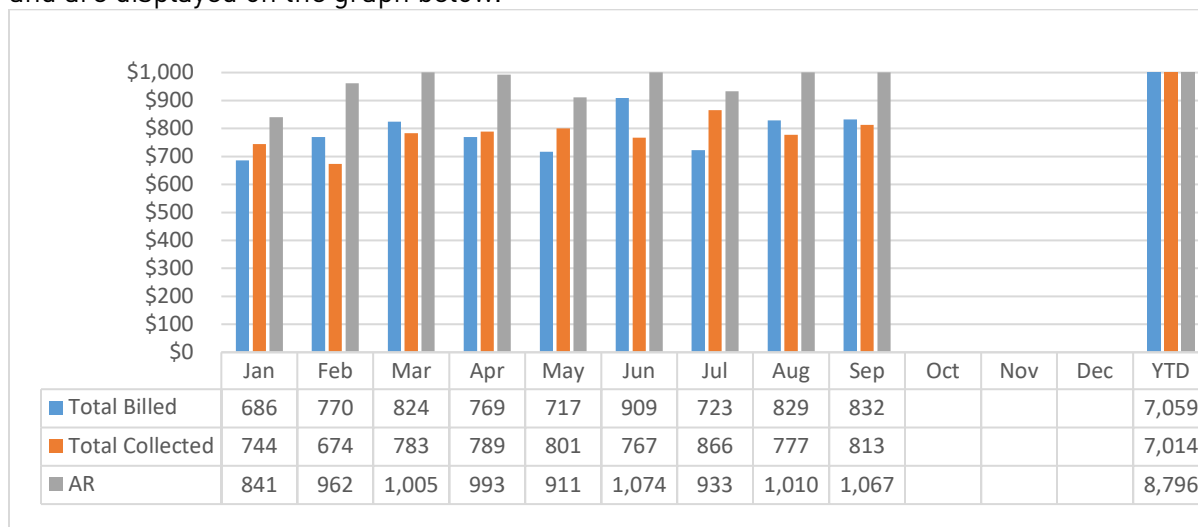
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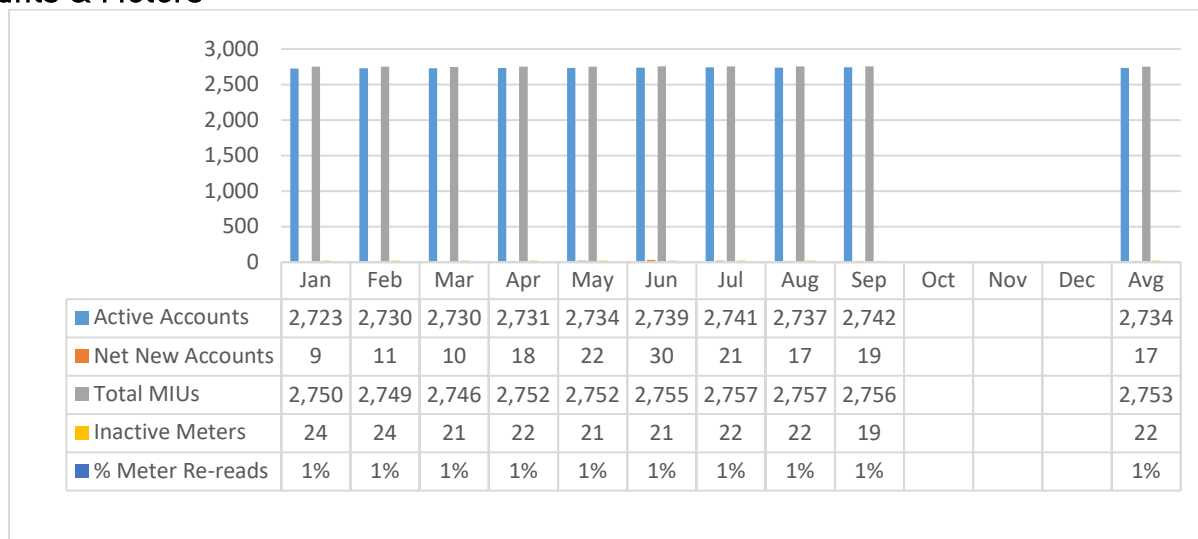


## Collections (dollars X 1000)

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



## Accounts & Meters

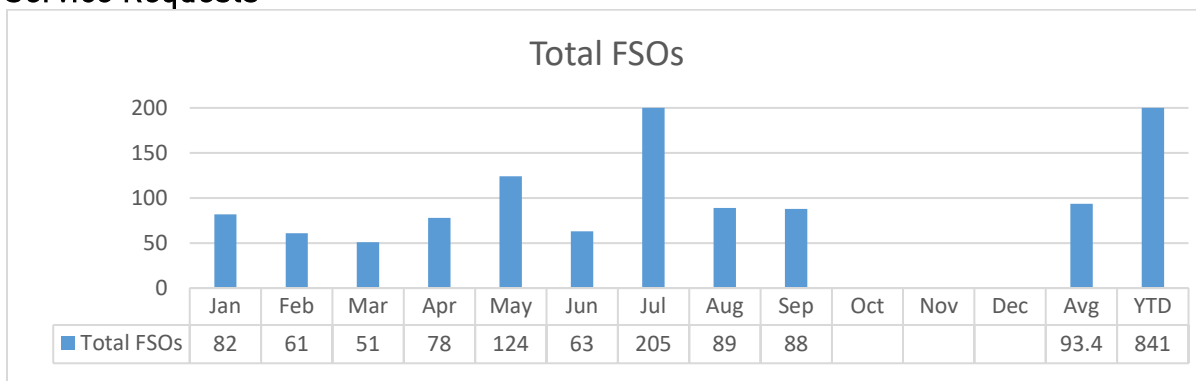


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## Field Service Requests



## 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	0
Unplanned	0	0	0	0	0	0	0	0	0				0	0	0	0	0
<b>2023 Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

## 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	1				0	0	1	0	1
Discolored	0	1	0	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	0
<b>2023</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>

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				1	0	2	0	3
Odor	0	0	0	0	0	0	0	0	0				0	0	0	0	0
<b>2023 TOTAL</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>3</b>
<b>2022 TOTAL</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>4</b>	<b>10</b>

# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

## SEPTEMBER 2023



### Home Serve USA

#### Partner Reporting Dashboard

Back to Partner Select Page

SUEZ (Middletown)

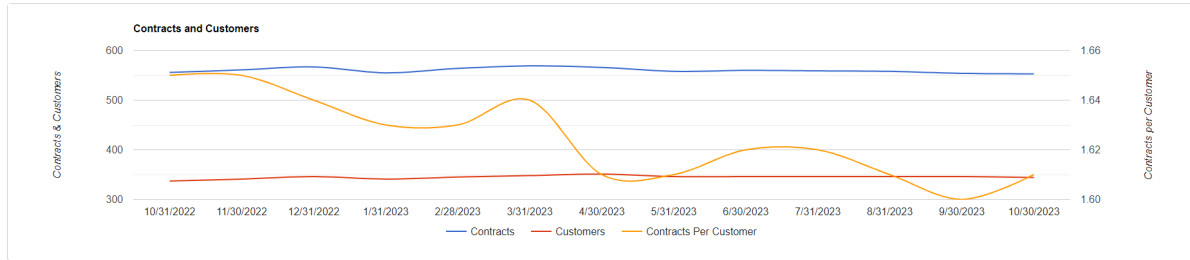
Date Start

2022-09-30

Date End

2023-09-30

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.





# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

## SEPTEMBER 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	20,073,100				179,529,900	19,947,767
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	18,460,600				162,190,400	18,021,156
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	615,353				5,357,351	595,261
Avg retail water sales (gal)		522,030	628,220	567,894	616,230	555,356	633,251	562,604	576,011	634,743	540,847	605,698	580,971	6,448,017	586,940
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	1,612,500				17,323,900	1,924,878
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	53,750				573,200	63,689
Avg Bulk Customer sales (gal)		53,847	72,231	68,818	77,633	60,057	70,126	52,419	54,200	55,011	48,381	55,557	57,326	671,852	61,295
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) = 586,940															
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

SEPTEMBER 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

SEPTEMBER 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 occurred in September 2023. The remobilization consisted of the water main and service installation. 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 High Street project. The Turnpike Tank rehabilitation mobilized on August 14, 2023.



# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

SEPTEMBER 2023



## Capital Improvement Plan

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



# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT SEPTEMBER 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
<b>BASE CAPITAL IMPROVEMENTS</b>						
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
<b>TOTAL BASE CAPITAL IMPROVEMENTS *</b>	<b>\$ 389,737</b>	<b>\$ 402,750</b>	<b>\$ 415,750</b>	<b>\$ 387,000</b>	<b>\$ 395,000</b>	<b>\$ 400,000</b>
<b>PROPOSED YEARLY BUDGET FOR BASE CAPITAL PROJECTS **</b>	<b>\$ 390,838</b>	<b>\$ 414,679</b>	<b>\$ 439,974</b>	<b>\$ 466,813</b>	<b>\$ 495,288</b>	<b>\$ 525,501</b>

	2022 *	2023 *	2024 *	2025 *	2026 *	2027 *
<b>MAJOR CAPITAL IMPROVEMENTS</b>						
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
<b>TOTAL MAJOR PROJECTS</b>	<b>\$ 3,199,263</b>	<b>\$ 6,907,743</b>	<b>\$ 7,361,428</b>	<b>\$ 2,639,484</b>	<b>\$ 2,639,484</b>	<b>\$ 2,639,484</b>

## REGULATORY COMPLIANCE

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

## 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				0
Concessionaire Notifications	0	0	0	0	0	0	0	0	0				0
Incident Email Notifications	0	0	0	0	0	0	0	0	0				0
Environmental Incidents –Hotline notifications	0	0	0	0	0	0	0	0	0				0
Environmental Incidents –Hotline notifications/chemical spills	0	0	0	0	0	0	0	0	0				0
Non-compliance – violations	0	0	0	0	0	0	0	0	0				0
Reporting non-compliance	0	0	0	0	0	0	0	0	0				0
Safety related incidents – OSHA lost time	0	0	0	0	0	0	0	0	0				0
Total days lost	0	0	0	0	0	0	0	0	0				0
Safety related incidents – Preventable	0	0	0	0	0	0	0	0	0				0
Safety related – Near Miss	0	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	4				212

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



October 31, 2023

Mr. Kenneth Klinepeter  
Borough of Middletown  
[kklinepeter@middletownborough.com](mailto:kklinepeter@middletownborough.com)

Mr. Dan Sugarman  
Water Capital Partners LLC  
[dan.sugarman@wcpartnersllc.com](mailto:dan.sugarman@wcpartnersllc.com)

Mr. John Joyner  
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Mr. Don Correll  
Water Capital Partners LLC  
[don.correll@wcpartnersllc.com](mailto:don.correll@wcpartnersllc.com)

**RE: Laboratory Supervisor Certification – September 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



October 31, 2023

Mr. Kenneth Klinepeter  
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[kklinepeter@middletownborough.com](mailto:kklinepeter@middletownborough.com)

Mr. Dan Sugarman  
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Mr. John Joyner  
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Mr. Don Correll  
Water Capital Partners LLC  
[don.correll@wcpartnersllc.com](mailto:don.correll@wcpartnersllc.com)

**RE: Environmental Laws Certification- September 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".

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

Reporting Frequency: Monthly  
DMR Effective From: 09/01/2023  
DMR Effective To: 09/30/2023  
Permit Expires: 02/28/2026  
Permit Application Due: 09/01/2025  
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	09	01	TO	2023	09	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	7.35	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	7.4	***	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	< 17	39	lbs/day	***	< 2.0	4.0	mg/L	2/week	24-Hr Composite
	Permit Requirement	550 Avg Mo	826 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		2/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 6.3	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	< .16	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .59	***	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	***	***	***	***	< 5.68	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	5	***	lbs/day	***	.62	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	37 Avg Mo	***		***	2.0 Avg Mo	***		2/week	24-Hr Composite
Flow (50050)	Sample Measurement	1.061	2.376	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.4	.54	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 1615.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 35.1	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 152.3	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 1458	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	153.6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	< 8.0	54.0	No./100 ml	2/week	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		2/week	Grab



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

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 17	< 22	lbs/day	***	< 2.0	< 2.0	mg/L	2/week	24-Hr Composite
	Permit Requirement	459 Avg Mo	734 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		2/week	24-Hr Composite
Facility Sampling Point Comments										



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

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

PA0020664
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly  
DMR Effective From: 09/01/2023  
DMR Effective To: 09/30/2023  
Permit Expires: 02/28/2026  
Permit Application Due: 09/01/2025  
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	09	01	TO	2023	09	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 1615.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	153.6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Facility Sampling Point Comments										





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

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

PA0020664
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly  
DMR Effective From: 09/01/2023  
DMR Effective To: 09/30/2023  
Permit Expires: 02/28/2026  
Permit Application Due: 09/01/2025  
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	09	01	TO	2023	09	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	753	1059	lbs/day	***	90	***	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	568	1446	lbs/day	***	67	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Facility Sampling Point Comments										



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

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
9-23 Effluent Supplemental.xlsx	Daily Effluent Monitoring Form	2023-10-12T11:29:10-04:00	Sept Effluent Supplemental
9-23 Influent Supplemental.xls	Influent and Process Control Form	2023-10-12T11:30:18-04:00	Sept Influent supplemental
9-23 Biosolids.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-10-12T11:28:30-04:00	Sept Biosolids
2023 Annual_Chesapeake_Bay_Spreadsheet_v2.2 .xlsm	Annual Chesapeake Bay Spreadsheet	2023-10-12T11:30:56-04:00	Sept Chesapeake Bay

PERMIT VIOLATIONS

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

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

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

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

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Kodi Webb	TELEPHONE		DATE		
kwebb2			(717)	209-2736	2023	10	23
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO

# SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

3800-FM-BCW0436 3/2012

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

Month: September 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 <sub>5</sub> (mg/l)	BOD <sub>5</sub> (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	0.836					4,581.0		26,000.0		
2	0.805							26,000.0		
3	0.771							26,000.0		
4	0.814	94.8	644	54.0	367			26,000.0		
5	0.837	116.0	810	112.0	782	4,353.0		23,000.0		
6	0.804					4,245.0		23,000.0		
7	1.159					4,858.0		25,000.0		
8	0.933					4,361.0		25,000.0		
9	0.878							25,000.0		
10	1.038							25,000.0		
11	0.964	73.9	594	38.0	306	4,772.0		20,000.0		
12	0.948	134.0	1,059	68.0	538	4,268.0		20,000.0		
13	0.938					4,351.0		20,000.0		
14	0.893					4,597.0		20,000.0		
15	0.937					4,418.0		20,000.0		
16	0.860							20,000.0		
17	1.501							20,000.0		
18	1.156	91.0	877	150.0	1,446	4,294.0		18,000.0		
19	0.999	112.0	933	48.0	400	4,515.0		20,000.0		
20	0.954					4,974.0		25,000.0		
21	0.889					4,537.0		20,000.0		
22	0.952					4,717.0		20,000.0		
23	1.750							25,000.0		
24	2.376							25,000.0		
25	1.425	46.0	547	36.0	428	2,893.0		15,000.0		
26	1.206	55.8	561	28.0	282	4,283.0		16,000.0		
27	1.120					4,278.0		16,000.0		
28	1.072					4,201.0		18,000.0		
29	1.038					4,925.0		18,000.0		
30	0.978							18,000.0		
31										
Avg	1.061	90	753	67	568	4,421		21,467		
Max	2.376	134	1,059	150	1,446	4,974		26,000		

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: 10/9/2023

License No.: **23501**  
Date: **10/9/2023**



**SUPPLEMENTAL REPORT**  
**SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL**

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

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

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

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

**TOTAL: 11.031**

**TOTAL:**

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

<b>Site Name</b>	<b>Marvin Weaver Cedar Rd Farm</b>			
<b>Municipality</b>	Conewago Township			
<b>County</b>	Dauphin County			
<b>DEP Permit No.</b>	PAG07-3504			
<b>Type of Material*</b>	Biosolids			
<b>Dry Tons Applied/Disposed</b>	11.03			
<b>Type of Disposal/Use*</b>	Agricultural Utilization			
<b>Hauler Name</b>	BORO. MIDDLETOWN			

\* See Instructions for explanation.

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

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

License No.: 23501  
Date: October 9, 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 <sub>3</sub> -N				TKN				NO <sub>2</sub> +NO <sub>3</sub> as N				Total Nitrogen (TN)			
		Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day
10/1/22	1.238																				
10/2/22	1.528																				
10/3/22	1.181		0.52		5.1		0.02		0.2		1.0		9.8	<	2.2	<	21.7	<	3.20	<	31.5
10/4/22	1.941		0.61		9.9		0.07		1.1		1.1		17.8		4.2		68.0		5.30		85.8
10/5/22	1.323																				
10/6/22	1.099																				
10/7/22	0.970																				
10/8/22	1.000																				
10/9/22	1.000																				
10/10/22	1.031		0.53		4.6	<	0.02	<	0.2		1.0		8.6	<	2.4	<	20.6	<	3.40	<	29.2
10/11/22	0.925		0.31		2.4		0.03		0.2		0.7		5.4	<	2.3	<	17.7	<	3.00	<	23.1
10/12/22	0.922																				
10/13/22	1.230																				
10/14/22	1.063																				
10/15/22	0.924																				
10/16/22	0.960																				
10/17/22	1.019		0.39		3.3		0.05		0.4		0.9		7.6		2.2		18.7		3.10		26.3
10/18/22	1.000		0.24		2.0		0.04		0.3		1.1		9.2		2.4		20.0		3.50		29.2
10/19/22	0.962																				
10/20/22	0.969																				
10/21/22	0.931																				
10/22/22	0.870																				
10/23/22	1.300																				
10/24/22	1.204		0.3		3.0		0.05		0.5		1.0		10.0		2.4		24.1		3.40		34.1
10/25/22	1.023		0.33		2.8		0.02		0.2		0.8		6.8		2.4		20.5		3.20		27.3
10/26/22	1.029																				
10/27/22	0.953																				
10/28/22	0.944																				
10/29/22	0.907																				
10/30/22	0.969																				
10/31/22	1.111		0.6		5.6		0.04		0.4		0.9		8.3	<	2.4	<	22.2	<	3.30	<	30.6
11/1/22	1.068		0.49		4.4	<	0.02	<	0.2		0.9		8.2	<	2.5	<	22.0	<	3.39	<	30.2
11/2/22	0.929																				
11/3/22	0.883																				
11/4/22	0.923																				
11/5/22	0.870																				
11/6/22	0.948																				
11/7/22	0.917		0.47		3.6	<	0.02	<	0.2		0.7		5.3	<	2.6	<	19.7	<	3.27	<	25.0
11/8/22	0.866		0.48		3.5	<	0.02	<	0.1		0.7		5.1	<	2.5	<	18.3	<	3.24	<	23.4
11/9/22	0.910																				
11/10/22	0.936																				
11/11/22	1.876																				
11/12/22	1.317																				
11/13/22	1.107																				
11/14/22	1.110		0.39		3.6	<	0.02	<	0.2		0.6		5.5	<	2.9	<	26.9	<	3.50	<	32.4

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

1/11/23	1.219																			
1/12/23	1.366																			
1/13/23	1.347																			
1/14/23	1.309																			
1/15/23	1.262																			
1/16/23	1.228	0.15		1.5	<	0.03	<	0.3		0.8		8.2	<	6.2	<	63.5	<	7.00	<	71.7
1/17/23	1.255	0.1		1.0	<	0.02	<	0.2		0.6		6.3	<	5.6	<	58.6	<	6.20	<	64.9
1/18/23	1.153																			
1/19/23	1.431																			
1/20/23	1.266																			
1/21/23	1.212																			
1/22/23	1.453																			
1/23/23	1.682	0.14		2.0		0.03		0.4	<	0.5	<	7.0	<	6.2	<	87.0	<	6.70	<	94.0
1/24/23	1.315	0.1		1.1	<	0.02	<	0.2		0.7		7.7	<	8.1	<	88.8	<	8.80	<	96.5
1/25/23	2.105																			
1/26/23	1.960																			
1/27/23	1.608																			
1/28/23	1.404																			
1/29/23	1.392																			
1/30/23	1.313	1.31		14.3		0.52		5.7		1.7		18.6		10.5		115.0		12.20		133.6
1/31/23	1.237	0.28		2.9		0.38		3.9		1.35		13.9		8.71		89.9		10.06		103.8
2/1/23	1.253																			
2/2/23	1.317																			
2/3/23	1.126																			
2/4/23	1.134																			
2/5/23	1.157																			
2/6/23	1.186	0.09		0.9		0.05		0.5		0.88		8.7	<	7.49	<	74.1	<	8.37	<	82.8
2/7/23	1.088	0.14		1.3	<	0.02	<	0.2		0.64		5.8	<	8.36	<	75.9	<	9.00	<	81.7
2/8/23	1.078																			
2/9/23	1.110																			
2/10/23	1.017																			
2/11/23	1.048																			
2/12/23	1.092																			
2/13/23	1.124	0.16		1.5		0.03		0.3		1.1		10.3	<	7.3	<	68.4	<	8.40	<	78.7
2/14/23	0.986	0.1		0.8		0.05		0.4		1.2		9.9	<	7.79	<	64.1	<	8.99	<	73.9
2/15/23	0.952																			
2/16/23	1.095																			
2/17/23	1.124																			
2/18/23	1.007																			
2/19/23	0.978																			
2/20/23	1.075	0.14		1.3		0.04		0.4		1.06		9.5		8.86		79.4		9.92		88.9
2/21/23	0.999	0.11		0.9		0.05		0.4		0.86		7.2	<	7.55	<	62.9	<	8.41	<	70.1
2/22/23	1.033																			
2/23/23	0.982																			
2/24/23	0.959																			
2/25/23	1.014																			
2/26/23	0.984																			
2/27/23	1.240	0.14		1.4		0.04		0.4		1.41		14.6		8.29		85.7		9.70		100.3
2/28/23	1.093	0.13		1.2	<	0.02	<	0.2		1.1		10.0	<	8.68	<	79.1	<	9.78	<	89.2
3/1/23	1.024																			
3/2/23	1.092																			
3/3/23	2.352																			
3/4/23	1.872																			
3/5/23	1.361																			
3/6/23	1.262	0.23		2.4	<	0.02	<	0.2		1.0		10.1	<	7.3	<	77.1	<	8.29	<	87.3
3/7/23	1.133	0.12		1.1	<	0.02	<	0.2		1.6		15.3	<	6.7	<	63.5	<	8.34	<	78.8
3/8/23	1.094																			



3/9/23	1.118																					
3/10/23	1.091																					
3/11/23	1.077																					
3/12/23	1.119																					
3/13/23	1.112	0.1		0.9		0.07		0.6		0.8		7.3	<	9.0	<	83.7	<	9.81	<	91.0		
3/14/23	1.053	0.14		1.2	<	0.02	<	0.2		1.0		8.7	<	10.1	<	88.6	<	11.08	<	97.3		
3/15/23	1.022																					
3/16/23	1.046																					
3/17/23	1.019																					
3/18/23	0.985																					
3/19/23	1.092																					
3/20/23	1.042	0.13		1.1		0.2		1.7		1.1		9.3		8.4		72.6		9.42		81.9		
3/21/23	0.937	0.12		0.9		0.04		0.3		1.4		11.3		8.5		66.5		9.95		77.8		
3/22/23	0.414																					
3/23/23	1.041																					
3/24/23	1.173																					
3/25/23	1.237																					
3/26/23	1.079																					
3/27/23	1.173	0.12		1.2		0.08		0.8		1.1		10.7	<	2.1	<	20.3	<	3.16	<	30.9		
3/28/23	1.128	0.14		1.3		0.04		0.4		1.1		10.0	<	2.2	<	21.0	<	3.29	<	31.0		
3/29/23	1.042																					
3/30/23	1.022																					
3/31/23	1.101																					
4/1/23	1.045																					
4/2/23	1.040																					
4/3/23	1.087																					
4/4/23	0.901	0.13		1.0	<	0.02	<	0.2		1.31		9.8	<	2.18	<	16.4	<	3.49	<	26.2		
4/5/23	0.965	0.13		1.0	<	0.02	<	0.2		0.98		7.9	<	2.24	<	18.0	<	3.22	<	25.9		
4/6/23	0.987																					
4/7/23	0.950																					
4/8/23	0.965																					
4/9/23	0.938																					
4/10/23	1.015	0.14		1.2		0.05		0.4		0.95		8.0	<	2.11	<	17.9	<	3.06	<	25.9		
4/11/23	0.891	0.15		1.1	<	0.02	<	0.1		1.03		7.7	<	2.06	<	15.3	<	3.09	<	23.0		
4/12/23	0.861																					
4/13/23	0.862																					
4/14/23	0.914																					
4/15/23	0.985																					
4/16/23	0.954																					
4/17/23	0.971	0.24		1.9		0.07		0.6		1.12		9.1	<	1.87	<	15.1	<	2.99	<	24.2		
4/18/23	0.920	0.25		1.9		0.05		0.4		0.96		7.4	<	1.96	<	15.0	<	2.92	<	22.4		
4/19/23	0.886																					
4/20/23	0.880																					
4/21/23	0.901																					
4/22/23	1.291																					
4/23/23	1.067																					
4/24/23	1.004	0.24		2.0		0.04		0.3		0.9		7.5	<	2.06	<	17.2	<	2.96	<	24.8		
4/25/23	0.907	0.2		1.5		0.02		0.2		1.0		7.6	<	2.07	<	15.7	<	3.07	<	23.2		
4/26/23	0.937																					
4/27/23	0.840																					
4/28/23	1.784																					
4/29/23	1.594																					
4/30/23	4.112																					
5/1/23	2.314	0.24		4.6		0.03		0.6		0.81		15.6	<	1.6	<	30.9	<	2.41	<	46.5		
5/2/23	1.750	0.2		2.9		0.05		0.7		1.07		15.6	<	1.34	<	19.6	<	2.41	<	35.2		
5/3/23	1.516																					
5/4/23	1.345																					

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																				

7/1/23	1.073																					
7/2/23	1.323																					
7/3/23	1.262																					
7/4/23	1.061	0.07		0.6	0.03	0.3		0.67		5.9	<	1.79	<	15.8	<	2.46	<	21.8				
7/5/23	0.984	0.1		0.8	0.03	0.2		0.69		5.7	<	2.29	<	18.8	<	2.98	<	24.5				
7/6/23	0.870																					
7/7/23	1.148																					
7/8/23	0.903																					
7/9/23	1.816																					
7/10/23	1.259	0.24		2.5	0.03	0.3	<	0.5	<	5.3	<	2.02	<	21.2	<	2.52	<	26.5				
7/11/23	0.827	0.28		1.9	0.03	0.2	<	0.5	<	3.4	<	1.94	<	13.4	<	2.44	<	16.8				
7/12/23	1.017																					
7/13/23	0.943																					
7/14/23	0.930																					
7/15/23	0.869																					
7/16/23	0.935																					
7/17/23	0.936	0.63		4.9	0.03	0.2		0.61		4.8	<	2.35	<	18.3	<	2.96	<	23.1				
7/18/23	0.833	0.69		4.8	0.07	0.5		0.5		3.5	<	2.08	<	14.5	<	2.58	<	17.9				
7/19/23	1.247																					
7/20/23	0.992																					
7/21/23	1.032																					
7/22/23	0.846																					
7/23/23	0.818																					
7/24/23	0.946	0.74		5.8	0.03	0.2		0.72		5.7	<	2.59	<	20.4	<	3.31	<	26.1				
7/25/23	0.853	0.93		6.6	0.05	0.4		1.08		7.7	<	2.16	<	15.4	<	3.24	<	23.0				
7/26/23	0.824																					
7/27/23	0.803																					
7/28/23	0.891																					
7/29/23	0.836																					
7/30/23	0.796																					
7/31/23	0.788	0.83		5.5	0.05	0.3	<	0.5	<	3.3	<	2.36	<	15.5	<	2.86	<	18.8				
8/1/23	0.787	0.21		1.4	<	0.02	<	0.1	<	0.5	<	3.3	<	2.03	<	13.3	<	2.53	<	16.6		
8/2/23	0.784																					
8/3/23	0.354																					
8/4/23	0.897																					
8/5/23	0.773																					
8/6/23	0.914																					
8/7/23	1.059	0.86		7.6	0.03	0.3	<	0.5	<	4.4	<	2.05	<	18.1	<	2.55	<	22.5				
8/8/23	0.843	1.0		7.0	0.04	0.3	<	0.5	<	3.5	<	1.92	<	13.5	<	2.42	<	17.0				
8/9/23	0.792																					
8/10/23	0.803																					
8/11/23	0.863																					
8/12/23	0.836																					
8/13/23	0.802																					
8/14/23	0.988	1.45		11.9	<	0.02	<	0.2	<	0.5	<	4.1	<	2.16	<	17.8	<	2.66	<	21.9		
8/15/23	0.843	1.47		10.3		0.04		0.3	<	0.5	<	3.5	<	2.05	<	14.4	<	2.55	<	17.9		
8/16/23	0.918																					
8/17/23	1.519																					
8/18/23	1.038																					
8/19/23	0.904																					
8/20/23	0.906																					
8/21/23	0.923	0.88		6.8		0.03		0.2		4.6	<	5.76	<	44.3	<	6.36	<	49.0				
8/22/23	0.892	0.69		5.1	<	0.02	<	0.1		4.6	<	6.52	<	48.5	<	7.14	<	53.1				
8/23/23	0.922																					
8/24/23	0.942																					
8/25/23	1.041																					
8/26/23	0.891																					

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).

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	153.6	< 35.1	< 152.3	< 1458	< 1615.4

**Average Monthly Concentrations (mg/L)**

<u>Month</u>	<u>Total Phosphorus (TP)</u>	<u>NH<sub>3</sub>-N</u>	<u>TKN</u>	<u>NO<sub>2</sub>+NO<sub>3</sub> 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	0.62	< 0.16	< 0.59	< 5.68	< 6.3

# VEOLIA Middletown WWTP

September, 2023

DATE	EFF	M.J. Reider Composite Sample Test Results																					
	FLOW	BOD		CBOD		%Remove	SUSPENDED SOLIDS				%Remove	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	0.836																						
02	0.805																						
03	0.771																						
04	0.814	95	644	<2.0	<13.58	97.9	54	367	<1.0	6.79	98.1	1.10	7.47		1.07	7.27	8.6	58.67	0.9	5.91	9.51	64.6	
05	0.837	116	810	<2.0	<13.97	98.3	112	782	<1.0	6.98	99.1	0.91	6.36	<2	<0.02	<0.14	<5.1	<35.76	<0.5	<3.49	<5.62	<39.3	
06	0.804													<2									
07	1.159																						
08	0.933																						
09	0.878																						
10	1.038																						
11	0.964	74	594	<2.0	<16.08	97.3	38	306	2.0	16.08	94.7	0.69	5.55		0.05	0.40	<5.6	<45.27	0.7	5.55	<6.32	<50.8	
12	0.948	134	1,059	<2.0	<15.81	98.5	68	537	<1.0	7.90	98.5	0.58	4.58	5	0.04	0.32	<6.4	<50.51	<0.5	<3.95	<6.89	<54.5	
13	0.938													23									
14	0.893																						
15	0.937																						
16	0.860																						
17	1.501																						
18	1.156	91	877	<2.0	<19.28	97.8	150	1,446	1.0	9.64	99.3	0.71	6.84		0.04	0.39	<4.2	<40.86	0.6	6.17	<4.88	<47.0	
19	0.999	112	933	<2.0	<16.66	98.2	48	400	<1.0	8.33	97.9	0.32	2.67	10	0.05	0.42	<4.6	<38.41	0.6	4.58	<5.16	<43.0	
20	0.954													3									
21	0.889																						
22	0.952																						
23	1.750																						
24	2.376																						
25	1.425	46	547	<2.0	<23.77	95.7	36	428	4.0	47.54	88.9	0.53	6.30		<0.02	<0.24	<5.8	<68.33	<0.5	<5.94	<6.25	<74.3	
26	1.206	56	561	<2.0	<20.11	96.4	28	282	3.0	30.16	89.3	0.12	1.21	30	0.02	0.20	<5.1	<50.98	<0.5	<5.03	<5.57	<56.0	
27	1.120													54									
28	1.072																						
29	1.038																						
30	0.978																						

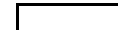
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**VEOLIA Middletown WWTP**  
Daily Effluent Grab Monitoring / Weather

September

2023

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	MB/AB	0734	0734	7.50	7.50	0.00	7.69	7.64	0.65	0.50	.49	2.02	22.9	294.00	OX DITCH 2 O/S
02	MB	0801	0801	7.60	7.60	0.00	7.74	7.78	-0.52	0.48	.47	2.11	22.7		OX DITCH 2 O/S
03	AB	1025	1025	7.70	7.70	0.00	7.76	7.75	0.13	0.41	.40	2.47	22.5		OX DITCH 2 O/S
04	MB	1402	1402	7.70	7.70	0.00	7.68	7.68	0.00	0.32	.28	13.33	25.2		OX DITCH 2 O/S
05	MB	0920	0920	7.70	7.70	0.00	7.64	7.66	-0.26	0.45	.43	4.55	22.4	577.00	OX DITCH 2 O/S
06	AB	0925	0925	7.60	7.70	-1.31	7.50	7.52	-0.27	0.36	.34	5.71	24.3	558.00	OX DITCH 2 O/S
07	MB/AB	0901	0901	7.60	7.70	-1.31	7.35	7.35	0.00	0.48	.49	-2.06	24.1	1109.00	OX DITCH 2 O/S
08	TH	0840	0840	7.60	7.70	-1.31	7.50	7.46	0.53	0.51	.57	-11.11	24.1	577.00	OX DITCH 2 O/S
09	TH	0505	0505	7.70	7.70	0.00	7.59	7.52	0.93	0.46	.46	.00	24.3		OX DITCH 2 O/S
10	MB	1247	1247	7.60	7.70	-1.31	7.77	7.75	0.26	0.27	.30	-10.53	25.8		OX DITCH 2 O/S
11	MB	1038	1038	7.60	7.70	-1.31	7.60	7.62	-0.26	0.42	.43	-2.35	25.8	442.00	OX DITCH 2 O/S
12	MB/AB	0830	0830	7.70	7.70	0.00	7.63	7.62	0.13	0.33	.33	.00	23.4	457.00	OX DITCH 2 O/S
13	AB	0900	0900	7.70	7.80	-1.29	7.50	7.51	-0.13	0.28	.28	.00	23.4	584.00	OX DITCH 2 O/S
14	AB	0910	0910	7.50	7.60	-1.32	7.65	7.63	0.26	0.49	.48	2.06	23.6	465.00	OX DITCH 2 O/S
15	AB	0935	0935	7.60	7.70	-1.31	7.71	7.74	-0.39	0.27	.27	.00	23.7	568.00	OX DITCH 2 O/S
16	AB	0820	0820	7.70	7.70	0.00	7.89	7.81	1.02	0.41	.41	.00	23.2		OX DITCH 2 O/S
17	AB	1215	1215	7.70	7.60	1.31	7.78	7.76	0.26	0.31	.30	3.28	22.8		OX DITCH 2 O/S
18	AB	0945	0945	7.60	7.70	-1.31	7.75	7.70	0.65	0.40	.39	2.53	23.0	655.00	OX DITCH 2 O/S
19	MB/AB	0735	0735	7.60	7.70	-1.31	7.93	7.89	0.51	0.34	.34	.00	22.6	383.00	OX DITCH 2 O/S
20	MB/AB	0830	0830	7.60	7.60	0.00	8.06	8.07	-0.12	0.36	.38	-5.41	22.4	383.00	OX DITCH 2 O/S
21	MB/AB	0840	0840	7.60	7.70	-1.31	7.84	7.82	0.26	0.34	.32	6.06	22.9	522.00	OX DITCH 2 O/S
22	AB	0850	0850	7.60	7.70	-1.31	7.97	7.98	-0.13	0.28	.27	3.64	22.6	472.00	OX DITCH 2 O/S
23	AB	0955	0955	7.60	7.70	-1.31	7.84	7.85	-0.13	0.24	.23	4.26	22.1		RAIN METER BROKEN
24	AB	1451	1451	7.40	7.40	0.00	7.58	7.56	0.26	0.05	.04	22.22	22.2		RAIN METER BROKEN
25	AB/MB	0905	0905	7.60	7.60	0.00	7.97	7.97	0.00	0.11	.11	.00	21.8	301.00	OX DITCH 2 O/S. RAIN METER FIXED
26	AB/MB	0753	0753	7.70	7.70	0.00	8.11	8.10	0.12	0.21	.18	15.38	21.5	362.00	OX DITCH 2 O/S
27	AB	0850	0850	7.70	7.70	0.00	8.21	8.21	0.00	0.20	.20	.00	21.6	314.00	OX DITCH 2 O/S
28	AB	0838	0838	7.60	7.70	-1.31	8.10	8.08	0.25	0.54	.54	.00	21.3	547.00	OX DITCH 2 O/S
29	AB/MB	0842	0842	7.70	7.60	1.31	7.98	7.98	0.00	0.46	.43	6.74	22.2	520.00	OX DITCH 2 O/S
30	MB	1057	1057	7.70	7.70	0.00	8.09	8.11	-0.25	0.33	.33	.00	22.3		OX DITCH 2 O/S



# VEOLIA Middletown WWTP

## Process Control

September

2023

DAY	DITCH				RAS	WASTE			RR	F/M	SETTLING TEST			BLANKETS	
	TS		VS		TS	Gallons	Lbs	SRT			MINUTES		SVI	C1	C2
	mg/L	lbs	mg/L	%	mg/L			Days			5	30		AM	AM
01	4,581	27,889	3,021	65.9	7,183	26,000	1,558	11.81	4.96	0.06	870	460	100	12	12
02						26,000								12	14
03						26,000								12	12
04						26,000								18	22
05	4,353	26,499	2,829	65.0	8,372	23,000	1,606	10.73	6.17	0.10	810	440	101	18	12
06	4,245	25,842	2,830	66.7	7,911	23,000	1,517	11.35	6.70	0.10	850	450	106	14	14
07	4,858	29,579	2,852	58.7	7,650	25,000	1,595	10.89	5.93	0.19	790	400	82	12	12
08	4,361	26,552	2,822	64.7	7,470	25,000	1,557	11.03	6.19	0.15	740	410	94	15	15
09						25,000									
10						25,000									
11	4,772	29,050	3,259	68.3	9,269	20,000	1,546	12.79	5.76	0.09	820	430	90	13	15
12	4,268	25,984	2,845	66.7	7,605	20,000	1,269	13.66	5.61	0.10	770	410	96	12	12
13	4,351	26,488	2,937	67.5	7,929	20,000	1,323	13.52	5.07	0.10	750	400	92	12	12
14	4,597	27,990	3,101	67.5	7,775	20,000	1,297	14.56	5.05	0.09	770	420	91	14	12
15	4,418	26,900	2,872	65.0	8,059	20,000	1,344	13.01	5.68	0.11	850	460	104	15	15
16						20,000									
17						20,000								12	14
18	4,294	26,141	3,006	70.0	9,102	18,000	1,366	13.39	5.65	0.20	810	430	100	7	7
19	4,515	27,491	3,045	67.4	7,863	20,000	1,312	14.14	5.36	0.09	880	460	102	15	15
20	4,974	30,280	3,460	69.6	8,013	25,000	1,671	12.61	4.70	0.07	800	440	88	15	15
21	4,537	27,623	3,025	66.7	7,630	20,000	1,273	14.47	5.12	0.10	780	440	97	14	15
22	4,717	28,721	3,216	68.2	7,489	20,000	1,249	12.54	4.70	0.08	850	460	98	14	14
23						25,000									
24						25,000									
25	2,893	17,613	1,929	66.7	8,586	15,000	1,074	10.93	4.82	0.29	430	260	90	12	66
26	4,283	26,076	3,105	72.5	9,404	16,000	1,255	15.07	5.08	0.10	780	420	98		
27	4,278	26,046	2,888	67.5	8,240	16,000	1,100	12.79	5.24	0.13	710	410	96		
28	4,201	25,575	2,801	66.7	8,175	18,000	1,227	12.50	5.53	0.13	800	440	105		
29	4,925	29,982	3,533	71.7	9,870	18,000	1,482	14.52	4.26	0.10	800	450	91		
30						18,000									
AVG	4,421	26,916	2,969	67.1	8,180	21,467	1,381	12.8	5.38	0.12	783	425	96	13	16



# PA MIDDLETOWN WWTP

## THICKENER MONTHLY REPORT

September

2023

DATE	RUN	FEED SLUDGE			DISCHARGE SLUDGE			POLYMER
	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01								
02								
03								
04								
05	5.50	67,239	0.91	5,103	13,464	4.52	5,076	5
06								
07	6.50	91,242	0.83	6,316	13,464	4.32	4,851	8
08								
09								
10								
11	6.50	90,201	0.94	7,071	13,464	4.73	5,311	9
12								
13								
14								
15	7.00	96,428	0.82	6,595	11,781	5.62	5,522	8
16								
17								
18	4.25	55,842	0.82	3,819	6,732	5.70	3,200	5
19								
20								
21								
22	6.75	92,398	0.83	6,396	11,781	4.23	4,156	7
23								
24								
25	3.50	46,324	0.98	3,786	11,781	4.55	4,471	5
26								
27								
28								
29								
30								
TOTAL	40	539,674	6.13	39,086	82,467	33.67	32,587	47

REVISED 7/17/14

[illegible]

# Veolia Middletown WWTP

September

2023

[illegible]

# VEOLIA Middletown WWTP

## Centrifuge Monthly Report

September

2023

Date	Run Time	Feed Sludge		Centrifuge Cake			Lime		Polymer	Alum	SNDR		Copper
	Hours	Gallons	% Solids	Pounds Dry Solids	Dry Tons	% Solids	Pounds Used	Pounds/Ton	Total Gallons	Total Gallons	pH	Level	Conc. mg/l
01													
02													
03													
04													
05													
06	6.50	26,652	2.71	6,024	3.01	32.5	363	121	18	104	5.8	8.0	
07													
08													
09													
10													
11													
12													
13	5.75	24,547	2.70	5,528	2.76	28.9	350	127	25	93	5.9	8.0	
14													
15													
16													
17													
18													
19													
20	6.00	25,718	2.84	6,091	3.05	30.6	330	108	22	93	5.9	8.0	
21													
22													
23													
24													
25													
26													
27	6.00	25,816	2.78	5,986	2.99	31.0	337	113	22	97	5.9	8.0	
28													
29													
30													

## PA MIDDLETOWN WWTP

September, 2023

## BIOSOLIDS INVENTORY

DATE	DRY TONS		TO	USE	TOTAL ON SITE
	PROCESSED	DELIVERED			
09/01/23					
09/02/23					
09/03/23					
09/04/23					
09/05/23					
09/06/23	3.01			Agriculture	3.01
09/07/23		3.01	Amerigreen	Agriculture	0.00
09/08/23					
09/09/23					
09/10/23					
09/11/23					
09/12/23					
09/13/23	2.76			Agriculture	2.76
09/14/23		2.76	Amerigreen	Agriculture	0.00
09/15/23					
09/16/23					
09/17/23					
09/18/23					
09/19/23					
09/20/23	3.05			Agriculture	3.05
09/21/23		3.05	Amerigreen	Agriculture	0.00
09/22/23					
09/23/23					
09/24/23					
09/25/23					
09/26/23					
09/27/23	2.99			Agriculture	2.99
09/28/23					
09/29/23		2.99	Amerigreen	Agriculture	0.00
09/30/23					
Total Tons	11.81	11.81		Total Tons	11.81
Metric Tons	10.71	10.71		Metric Tons	10.71

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	10.35	9.39	9.39
Sep, 2023	11.81	11.81	10.71	10.71
Oct, 2023				
Nov, 2023				
Dec, 2023				
Total	115.08	115.08	104.40	104.40
Average	12.79	12.79	11.60	11.60
Maximum	16.91	16.91	15.34	15.34
Minimum	10.14	10.14	9.20	9.20

# PA MIDDLETOWN WWTP

## BIOSOLIDS VOLATILE REDUCTION

MONTH September

YEAR 2023

DAY	THICKENER DISCHARGE			SNDR			%
	TS	TVS	VS	TS	TVS	VS	VOL.
	mg/L		%	mg/L		%	REDUCT.
01							
02							
03							
04							
05	57,000	40,470	71	26,300	14,400	55	64.4
06							
07							
08							
09							
10							
11							
12							
13							
14							
15							
16							
17							
18	58,000	42,224	73	26,400	14,700	56	65.2
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
AVG	57500.00	41347.00	71.90	26350.00	14550.00	55.22	
% SOLIDS REDUCTION			54.17			64.81	%

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
09/05/23	57,000	40,470	70.0	26,300	14,400	55.0	64.4
09/18/23	58,000	42,224	73.0	26,400	14,700	56.0	65.2
AVG	55,313	41,068	74.2	26,356	14,644	55.6	
Avg. % TS Reduction		52.4	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	31.832	1.061	9/24/2023	2.376	9/3/2023	0.771	90	2	24,009	531	23,478	97.5	0.62	165	54
October															
November															
December															
Total	<b>300.827</b>								<b>433,701</b>	<b>5,390</b>	<b>428,353</b>			<b>904</b>	
Average	33.425	1.103		2.181		13.123	163	2	48,189	599	47,595	98.2	0.38	100	
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	90	2	24,009	465	23,478	97.5	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	67	2	17,721	465	17,256	95.7	0.16	43	0.6	158	5.68	1,508	6.28	1,666	<8
October															
November															
December															
Total			<b>372,325</b>	<b>5,977</b>	<b>366,344</b>			<b>160</b>	<b>7</b>	<b>2,047</b>		<b>11,479</b>		<b>13,515</b>	
Average	137.0	2.4	41,369	664	40,705	96.5	0.06	18	1	227	4.52	1,275	5.32	1,502	
Maximum	475.0	3.0	171,377	1,119	170,258	98.3	0.16	43	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	



## M.J. Reider Associates, Inc.

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

# Certificate of Analysis

**Laboratory No.:** 2334830

**Report:** 09/13/23

**Lab Contact:** Bradley T Griffiths

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

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2334830-01 **Collected By:** Client  
**Sample Desc:** Influent (24Hr Composite)

**Sampled:** 09/05/23 08:45 **Received:** 09/05/23 13:35  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	94.8	mg/l	2.0	SM 5210 B	09/06/23 12:08		RXN
Solids, Total Suspended	54	mg/l	1	SM 2540 D	09/06/23		ALD

**Lab ID:** 2334830-02 **Collected By:** Client  
**Sample Desc:** Effluent (24Hr Composite)

**Sampled:** 09/05/23 09:20 **Received:** 09/05/23 13:35  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	1.07	mg/l	0.02	EPA 350.1 Rev 2.0	09/06/23		NJG
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	09/06/23 14:52		RXN
Nitrate as N	7.90	mg/l	1.00	EPA 300.0 Rev 2.1	09/05/23 15:27		KCS
Nitrite as N	0.74	mg/l	0.10	EPA 300.0 Rev 2.1	09/05/23 15:27		KCS
Nitrate+Nitrite as N	8.64	mg/l	1.10	CALCULATED	09/05/23 15:27		KCS
Nitrogen, Total	9.51	mg/l	1.60	CALCULATED	09/08/23 20:23		NJG
Nitrogen, Total Kjeldahl (TKN)	0.87	mg/l	0.50	EPA 351.2 Rev 2.0	09/08/23		NJG
Phosphorus as P, Total	1.10	mg/l	0.01	SM 4500-P F	09/06/23		NJG
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	09/06/23		ALD

**Lab ID:** 2334830-03 **Collected By:** Client  
**Sample Desc:** Effluent (Grab)

**Sampled:** 09/05/23 10:55 **Received:** 09/05/23 13:35  
**Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	9/5/23 16:21	9/6/23 14:38		RMB



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Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2334830-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B3I0270	09/06/2023	NJG





## M.J. Reider Associates, Inc.

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

# Certificate of Analysis

**Laboratory No.:** 2335398

**Report:** 09/13/23

**Lab Contact:** Bradley T Griffiths

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

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2335398-01 **Collected By:** Client  
**Sample Desc:** Influent (24Hr Composite)

**Sampled:** 09/06/23 07:53 **Received:** 09/06/23 13:28  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	116	mg/l	2.0	SM 5210 B	09/07/23 16:20	B-01	KMD
Solids, Total Suspended	112	mg/l	1	SM 2540 D	09/07/23		ALD

**Lab ID:** 2335398-02 **Collected By:** Client  
**Sample Desc:** Effluent (24Hr Composite)

**Sampled:** 09/06/23 09:25 **Received:** 09/06/23 13:28  
**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	09/07/23		NJG
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	09/07/23 14:46	B-03	KMS
Nitrate as N	5.02	mg/l	1.00	EPA 300.0 Rev 2.1	09/06/23 16:01		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	09/06/23 16:01		KCS
Nitrate+Nitrite as N	<5.12	mg/l	1.10	CALCULATED	09/06/23 16:01		KCS
Nitrogen, Total	<5.62	mg/l	1.60	CALCULATED	09/08/23 22:43		NJG
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	09/08/23		NJG
Phosphorus as P, Total	0.91	mg/l	0.01	SM 4500-P F	09/07/23		NJG
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	09/07/23		ALD

**Lab ID:** 2335398-03 **Collected By:** Client  
**Sample Desc:** Effluent (Grab)

**Sampled:** 09/06/23 11:45 **Received:** 09/06/23 13:28  
**Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	9/6/23 16:50	9/7/23 15:04		RMB



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**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2335398-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B3I0289	09/06/2023	NJG

**Notes and Definitions**

- B-01 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L.
- B-03 The Glucose-Glutamic Acid check was below the acceptable criteria of  $198 \pm 30.5$  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.:** 2334584

**Report:** 09/20/23

**Lab Contact:** Bradley T Griffiths

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

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2334584-01 **Collected By:** Client  
**Sample Desc:** Influent (24Hr Composite)

**Sampled:** 09/12/23 07:21 **Received:** 09/12/23 14:00  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	73.9	mg/l	2.0	SM 5210 B	09/13/23 13:00		RXN
Solids, Total Suspended	38	mg/l	1	SM 2540 D	09/13/23		ALD

**Lab ID:** 2334584-02 **Collected By:** Client  
**Sample Desc:** Effluent (24Hr Composite)

**Sampled:** 09/12/23 08:30 **Received:** 09/12/23 14:00  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.05	mg/l	0.02	EPA 350.1 Rev 2.0	09/13/23		NJG
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	09/13/23 11:13	B-03	RXN
Nitrate as N	5.53	mg/l	1.00	EPA 300.0 Rev 2.1	09/12/23 19:18		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	09/12/23 19:18		KCS
Nitrate+Nitrite as N	<5.63	mg/l	1.10	CALCULATED	09/12/23 19:18		KCS
Nitrogen, Total	<6.32	mg/l	1.60	CALCULATED	09/15/23 12:53		NJG
Nitrogen, Total Kjeldahl (TKN)	0.69	mg/l	0.50	EPA 351.2 Rev 2.0	09/15/23		NJG
Phosphorus as P, Total	0.69	mg/l	0.01	SM 4500-P F	09/13/23		NJG
Solids, Total Suspended	2	mg/l	1	SM 2540 D	09/13/23		ALD

**Lab ID:** 2334584-03 **Collected By:** Client  
**Sample Desc:** Effluent (Grab)

**Sampled:** 09/12/23 10:56 **Received:** 09/12/23 14:00  
**Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	5	/100ml	2	SM 9222 D	9/12/23 16:04	9/13/23 14:43		RMB



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**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2334584-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B3I0693	09/12/2023	NJG

**Notes and Definitions**

B-03 The Glucose-Glutamic Acid check was below the acceptable criteria of  $198 \pm 30.5$  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.:** 2336334

**Report:** 09/20/23

**Lab Contact:** Bradley T Griffiths

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

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2336334-01 **Collected By:** Client  
**Sample Desc:** Influent (24Hr Composite)

**Sampled:** 09/13/23 07:42 **Received:** 09/13/23 13:05  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	134	mg/l	2.0	SM 5210 B	09/14/23 13:39	B-03	KMS
Solids, Total Suspended	68	mg/l	1	SM 2540 D	09/14/23		ALD

**Lab ID:** 2336334-02 **Collected By:** Client  
**Sample Desc:** Effluent (24Hr Composite)

**Sampled:** 09/13/23 09:00 **Received:** 09/13/23 13:05  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.04	mg/l	0.02	EPA 350.1 Rev 2.0	09/14/23		NJG
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	09/14/23 15:18	B-03	RXN
Nitrate as N	6.29	mg/l	1.00	EPA 300.0 Rev 2.1	09/13/23 14:55		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	09/13/23 14:55		KCS
Nitrate+Nitrite as N	<6.39	mg/l	1.10	CALCULATED	09/13/23 14:55		KCS
Nitrogen, Total	<6.89	mg/l	1.60	CALCULATED	09/15/23 18:05		NJG
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	09/15/23		NJG
Phosphorus as P, Total	0.58	mg/l	0.01	SM 4500-P F	09/14/23		NJG
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	09/14/23		ALD

**Lab ID:** 2336334-03 **Collected By:** Client  
**Sample Desc:** Effluent (Grab)

**Sampled:** 09/13/23 10:35 **Received:** 09/13/23 13:05  
**Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	23	/100ml	2	SM 9222 D	9/13/23 15:28	9/14/23 14:49		RMB



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

## Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2336334-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B3I0848	09/14/2023	NJG

## Notes and Definitions

B-03 The Glucose-Glutamic Acid check was below the acceptable criteria of  $198 \pm 30.5$  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.:** 2335595

**Report:** 09/27/23

**Lab Contact:** Bradley T Griffiths

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

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2335595-01 **Collected By:** Client  
**Sample Desc:** Influent (24Hr Composite)

**Sampled:** 09/19/23 07:37 **Received:** 09/19/23 12:20  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	91.0	mg/l	2.0	SM 5210 B	09/20/23 11:50	B-01	RXN
Solids, Total Suspended	150	mg/l	1	SM 2540 D	09/20/23		ALD

**Lab ID:** 2335595-02 **Collected By:** Client  
**Sample Desc:** Effluent (24Hr Composite)

**Sampled:** 09/19/23 07:35 **Received:** 09/19/23 12:20  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.04	mg/l	0.02	EPA 350.1 Rev 2.0	09/21/23		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	09/20/23 13:20		RXN
Nitrate as N	4.14	mg/l	1.00	EPA 300.0 Rev 2.1	09/19/23 14:46		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	09/19/23 14:46		KCS
Nitrate+Nitrite as N	<4.24	mg/l	1.10	CALCULATED	09/19/23 14:46		KCS
Nitrogen, Total	<4.88	mg/l	1.60	CALCULATED	09/22/23 15:50		SNF
Nitrogen, Total Kjeldahl (TKN)	0.64	mg/l	0.50	EPA 351.2 Rev 2.0	09/22/23		SNF
Phosphorus as P, Total	0.71	mg/l	0.01	SM 4500-P F	09/21/23		SNF
Solids, Total Suspended	1	mg/l	1	SM 2540 D	09/20/23		ALD

**Lab ID:** 2335595-03 **Collected By:** Client  
**Sample Desc:** Effluent (Grab)

**Sampled:** 09/19/23 08:38 **Received:** 09/19/23 12:20  
**Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	10	/100ml	2	SM 9222 D	9/19/23 15:03	9/20/23 14:08		RMB



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**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2335595-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B3I1304	09/21/2023	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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## M.J. Reider Associates, Inc.

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

# Certificate of Analysis

**Laboratory No.:** 2228993

**Report:** 09/27/23

**Lab Contact:** Bradley T Griffiths

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

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2228993-01 **Collected By:** Client  
**Sample Desc:** Influent (24Hr Composite)

**Sampled:** 09/20/23 07:31 **Received:** 09/20/23 12:20  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	112	mg/l	2.0	SM 5210 B	09/21/23 12:00	B-01	KMD
Solids, Total Suspended	48	mg/l	1	SM 2540 D	09/21/23		ALD

**Lab ID:** 2228993-02 **Collected By:** Client  
**Sample Desc:** Effluent (24Hr Composite)

**Sampled:** 09/20/23 08:30 **Received:** 09/20/23 12:20  
**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	09/21/23		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	09/21/23 14:45		EAK
Nitrate as N	4.51	mg/l	1.00	EPA 300.0 Rev 2.1	09/20/23 20:25		EAK
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	09/20/23 20:25		EAK
Nitrate+Nitrite as N	<4.61	mg/l	1.10	CALCULATED	09/20/23 20:25		EAK
Nitrogen, Total	<5.16	mg/l	1.60	CALCULATED	09/22/23 17:02		SNF
Nitrogen, Total Kjeldahl (TKN)	0.55	mg/l	0.50	EPA 351.2 Rev 2.0	09/22/23		SNF
Phosphorus as P, Total	0.32	mg/l	0.01	SM 4500-P F	09/21/23		SNF
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	09/21/23		ALD

**Lab ID:** 2228993-03 **Collected By:** Client  
**Sample Desc:** Effluent (Grab)

**Sampled:** 09/20/23 09:21 **Received:** 09/20/23 12:20  
**Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	3	/100ml	2	SM 9222 D	9/20/23 15:24	9/21/23 14:45		RMB



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**Preparation Methods**

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2228993-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B3I1285	09/21/2023	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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## M.J. Reider Associates, Inc.

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

# Certificate of Analysis

**Laboratory No.:** 2337209

**Report:** 10/04/23

**Lab Contact:** Bradley T Griffiths

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

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2337209-01 **Collected By:** Client  
**Sample Desc:** Influent (24Hr Composite)

**Sampled:** 09/26/23 07:33 **Received:** 09/26/23 13:25  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	46.0	mg/l	2.0	SM 5210 B	09/27/23 10:31	B-04	INW
Solids, Total Suspended	36	mg/l	1	SM 2540 D	09/27/23		ALD

**Lab ID:** 2337209-02 **Collected By:** Client  
**Sample Desc:** Effluent (24Hr Composite)

**Sampled:** 09/26/23 07:53 **Received:** 09/26/23 13:25  
**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	09/26/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	09/27/23 14:37		EAK
Nitrate as N	5.65	mg/l	1.00	EPA 300.0 Rev 2.1	09/26/23 19:24		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	09/26/23 19:24		KCS
Nitrate+Nitrite as N	<5.75	mg/l	1.10	CALCULATED	09/26/23 19:24		KCS
Nitrogen, Total	<6.25	mg/l	1.60	CALCULATED	09/28/23 16:25		JMW
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	09/28/23		JMW
Phosphorus as P, Total	0.53	mg/l	0.01	SM 4500-P F	09/26/23		JMW
Solids, Total Suspended	4	mg/l	1	SM 2540 D	09/27/23		ALD

**Lab ID:** 2337209-03 **Collected By:** Client  
**Sample Desc:** Effluent (Grab)

**Sampled:** 09/26/23 09:49 **Received:** 09/26/23 13:25  
**Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	30	/100ml	2	SM 9222 D	9/26/23 14:25	9/27/23 13:48		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
<b>2337209-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B3I1594	09/26/2023	JMW

**Notes and Definitions**

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.:** 2338469

**Report:** 10/04/23

**Lab Contact:** Bradley T Griffiths

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

**Project Info:** Bi-Weekly Inf & Eff

**Lab ID:** 2338469-01 **Collected By:** Client  
**Sample Desc:** Influent (24Hr Composite)

**Sampled:** 09/27/23 07:55 **Received:** 09/27/23 13:33  
**Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	55.8	mg/l	2.0	SM 5210 B	09/28/23 12:10		KMS
Solids, Total Suspended	28	mg/l	1	SM 2540 D	09/28/23		ALD

**Lab ID:** 2338469-02 **Collected By:** Client  
**Sample Desc:** Effluent (24Hr Composite)

**Sampled:** 09/27/23 08:56 **Received:** 09/27/23 13:33  
**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	09/27/23		SNF
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	09/28/23 15:46		INW
Nitrate as N	4.97	mg/l	1.00	EPA 300.0 Rev 2.1	09/27/23 16:02		KCS
Nitrite as N	<0.10	mg/l	0.10	EPA 300.0 Rev 2.1	09/27/23 16:02		KCS
Nitrate+Nitrite as N	<5.07	mg/l	1.10	CALCULATED	09/27/23 16:02		KCS
Nitrogen, Total	<5.57	mg/l	1.60	CALCULATED	09/29/23 14:26		SNF
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	09/29/23		SNF
Phosphorus as P, Total	0.12	mg/l	0.01	SM 4500-P F	09/27/23		SNF
Solids, Total Suspended	3	mg/l	1	SM 2540 D	09/28/23		ALD

**Lab ID:** 2338469-03 **Collected By:** Client  
**Sample Desc:** Effluent (Grab)

**Sampled:** 09/27/23 09:48 **Received:** 09/27/23 13:33  
**Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	54	/100ml	2	SM 9222 D	9/27/23 14:23	9/28/23 14:11		JMW



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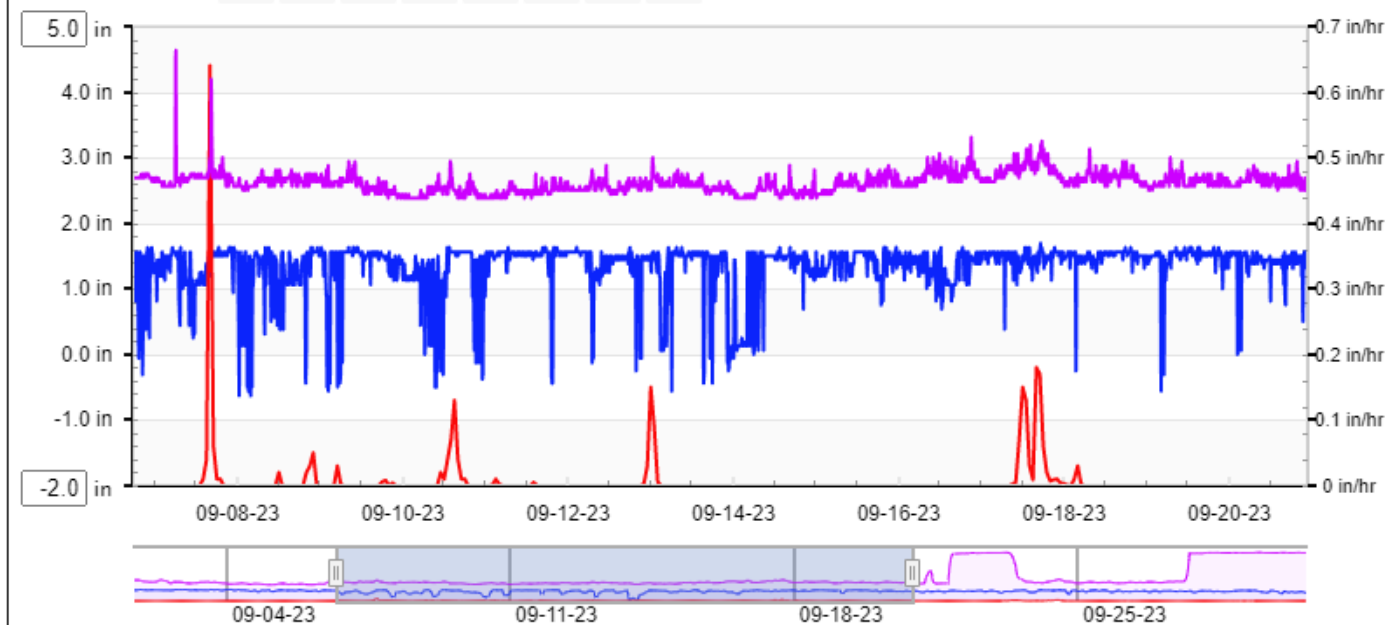
Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
<b>2338469-02</b>				
<b>General Chemistry</b>				
SM 4500-P F	SM 4500-P B	B3I1686	09/27/2023	SNF



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

2023-09-06 17:31 — 2023-09-20 22:48




Time Period Custom ▾

Date Range 2023-09-01 16:32 - 2023-09-30 16:32

Long Filter No Filter ▾

Update Chart

Download Data 

## Locations

	301-MH-332	Water Level above Bottom	 
	301-MH-475A	Water Level above Bottom	 
	MH-286	Water Level above Bottom	 
	MH-290	Water Level above Bottom	 
	[RAIN] Mill Street-Hoffer Park	Rain	  Total: 2.47 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**

**September, 2023**

**Maximum Day**    973,559  
**Minimum Day**    805,092

**Days pumped**    30

Date	Well No.1	Well No.2	Well No.3	Well No.4	Well No.5	Well No.6	Total	Union Booster
01	153,974	292,256			89,680	278,138	814,048	152,289
02	156,276	292,083			90,966	282,320	821,645	65,170
03	174,508	291,426			101,826	316,289	884,049	140,232
04	178,200	290,394			104,083	321,729	894,406	87,537
05	283,535	286,482			167,079	181,754	918,850	152,138
06	149,738	287,484			88,286	448,051	973,559	174,349
07	132,783	290,066			78,465	329,640	830,954	138,981
08	186,153	287,937			108,591	303,130	885,811	102,635
09	163,314	288,498			95,594	295,640	843,046	80,922
10	198,573	287,174			115,969	357,229	958,945	141,344
11	168,019	288,210			97,978	302,384	856,591	115,610
12	165,954	288,195			96,790	300,303	851,242	87,533
13	194,884	288,592			113,740	351,211	948,427	139,143
14	154,464	286,519			89,728	277,272	807,983	82,129
15	195,306	290,283			113,210	351,300	950,099	131,408
16	153,033	291,002			88,746	274,765	807,546	66,410
17	181,682	290,252			104,763	322,994	899,691	138,726
18	165,600	290,327			95,890	294,103	845,920	79,714
19	194,434	289,326			111,517	348,077	943,354	137,996
20	155,926	290,113			90,522	278,034	814,595	102,751
21	181,086	288,758			104,231	323,061	897,136	105,636
22	161,191	285,984			92,909	286,603	826,687	122,358
23	182,974	290,167			104,593	325,545	903,279	96,755
24	186,840	290,204			107,657	330,706	915,407	133,211
25	160,154	291,666			92,231	273,475	817,526	93,565
26	183,072	291,701			105,293	323,888	903,954	124,627
27	164,656	293,095			95,142	292,097	844,990	95,596
28	179,593	292,671			103,367	319,022	894,653	129,977
29	165,680	292,942			95,278	295,201	849,101	121,996
30	152,468	292,907			88,086	271,631	805,092	79,854
Totals:	5,224,070	8,696,714			3,032,210	9,255,592	26,208,586	3,420,592
Maximum	283,535	293,095			167,079	448,051	973,559	174,349
Minimum	132,783	285,984			78,465	181,754	805,092	65,170
Average	174,136	289,890			101,074	308,520	873,620	114,020

	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	Manganesc, 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	Sep	1 Fri															
6		2 Sat															
7		3 Sun															
8		4 Mon															
9		5 Tue		9-5-23	7.10	25.0	332.0	200.00	103.00	0.07	20.10	<0.02	<0.01	323.00	736.00	7.10	
10		6 Wed															
11		7 Thu															
12		8 Fri															
13		9 Sat															
14		10 Sun															
15		11 Mon															
16		12 Tue		9-12-23	7.10	24.0	352.0	202.00	109.00	0.06	22.20	<0.02	<0.01	303.00	715.00	7.10	
17		13 Wed															
18		14 Thu															
19		15 Fri															
20		16 Sat															
21		17 Sun															
22		18 Mon															
23		19 Tue		9-19-23	7.40	24.0	341.0	201.00	105.00	0.06	22.50	<0.02	<0.01	299.00	706.00	7.40	
24		20 Wed															
25		21 Thu															
26		22 Fri															
27		23 Sat															
28		24 Sun															
29		25 Mon															
30		26 Tue		9-26-23	7.20	22.0	331.0	200.00	103.00	0.06	19.00	<0.02	<0.01	284.00	719.00	7.20	
31		27 Wed															
32		28 Thu															
33		29 Fri															
34		30 Sat															
36		MINIMUM		9-12-23	7.10	22.0	331.0	200.00	103.00	0.06	19.00	<0.02	<0.01	284.00	706.00	7.10	
37		MAXIMUM		9-5-23	7.40	25.0	352.0	202.00	109.00	0.07	22.50	<0.02	<0.01	323.00	736.00	7.40	
38		AVERAGE		1	7.20	23.8	339.0	200.75	105.00	0.06	20.95	<0.02	<0.01	302.25	719.00	3.33	
39		SUM		4	28.80	95.0	1,356.0	803.00	420.00	0.25	83.80	<0.08	<0.04	1,209.00	2,876.00	13.31	



Webb, Kodi &lt;kodi.webb@veolia.com&gt;

**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 &lt;kodi.webb@veolia.com&gt;

---

**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

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 &lt;kodi.webb@veolia.com&gt;

**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]



## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

# Certificate of Analysis

**Laboratory No.:** 2334832

**Reported:** 09/10/23

**Lab Contact:** Christina M Kistler

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

**Project:** Jan,Mar,May,Jul,Sep,Nov. Week 1  
7220038

**Lab ID:** 2334832-01 **Collected By:** Client  
**Sample Desc:** 701 Middletown WWTP  
**Notes:**

**Sampled:** 09/05/23 08:29 **Received:** 09/05/23 13:35  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038 **Loc ID:** 701

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	9/6/23 8:53	9/7/23 9:34		RMB	N/A 1

**Lab ID:** 2334832-02 **Collected By:** Client  
**Sample Desc:** 703 North Union Street Booster Station  
**Notes:**

**Sampled:** 09/05/23 08:07 **Received:** 09/05/23 13:35  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038 **Loc ID:** 703

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	9/6/23 8:53	9/7/23 9:34		RMB	N/A 1

**Lab ID:** 2334832-03 **Collected By:** Client  
**Sample Desc:** 707 Main St & Catherine St. Hydrant  
**Notes:**

**Sampled:** 09/05/23 08:18 **Received:** 09/05/23 13:35  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038 **Loc ID:** 707

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	9/6/23 8:53	9/7/23 9:34		RMB	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	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	090723	701		090523	D	0829	06003	2334832-01	KISTLERC_6 300
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	090723	703		090523	D	0807	06003	2334832-02	KISTLERC_6 301
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

## 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	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	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	3100	TOTAL COLIFORM PRESENCE	331	0.0	090723	707		090523	D	0818	06003	2334832-03	KISTLERC_6302

## 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	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
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

## 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	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
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

## 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	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
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

## 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	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
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



## 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	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
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

## E-Government Application for Drinking Water Program

### SAFE DRINKING WATER ACT VIEW/EDIT RECORDS

#### 7220038: VEOLIA MIDDLETOWN

#### SDWA4

PWSID	Contam ID	Contam	Analysis Method	Result	Lower Limit of Detection	Counting Error	Analysis Date	Loc/EP ID	Loc/EP ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	2051	ALACHLOR (SOC)	225	0.0	0.00100		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
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.:** 2142329

**Reported:** 09/15/23

**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:** 2142329-01 **Collected By:** Client  
**Sample Desc:** WWTP Lab Sink

**Sampled:** 09/05/23 08:32 **Received:** 09/05/23 13:35  
**Sample Type:** Grab

### Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	200	mg CaCO <sub>3</sub> /L	20	SM 2320 B	09/07/23		ORL	N/A N/A	
Total Hardness as CaCO <sub>3</sub>	332	mg/l	4.56	CALCULATED	09/12/23		HRG	N/A N/A	
Phosphorus as P, Total	0.07	mg/l	0.01	SM 4500-P F	09/07/23		NJG	N/A N/A	
Silica as SiO <sub>2</sub>	20.1	mg/l	2.14	CALCULATED	09/08/23		HRG	N/A N/A	
Conductivity	736	umhos/cm	1	SM 2510 B	09/07/23		KMS	N/A N/A	
Total Metals									
Calcium	103	mg/l	1	EPA 200.7 Rev 4.4	09/12/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	09/07/23		HRG	N/A 0.3	PASS
Magnesium	18.2	mg/l	0.5	EPA 200.7 Rev 4.4	09/12/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	09/06/23		MPB	N/A 0.05	PASS
Silicon	9.4	mg/l	1.0	EPA 200.7 Rev 4.4	09/08/23		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
<b>2142329-01</b>			
SM 4500-P F	SM 4500-P B	09/06/2023	NJG



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## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

# Certificate of Analysis

**Laboratory No.:** 2335597

**Reported:** 09/19/23

**Lab Contact:** Christina M Kistler

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

**Project:** Jan,Mar,May,Jul,Sep,Nov. Week 2  
7220038

**Lab ID:** 2335597-01 **Collected By:** Client  
**Sample Desc:** 704 Village of Pineford Office  
**Notes:**

**Sampled:** 09/12/23 08:57 **Received:** 09/12/23 14:00  
**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	9/12/23 17:28	9/13/23 11:43		RMB	N/A 1

**Lab ID:** 2335597-02 **Collected By:** Client  
**Sample Desc:** 705 High Street Standpipe  
**Notes:**

**Sampled:** 09/12/23 08:23 **Received:** 09/12/23 14:00  
**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	9/12/23 17:28	9/13/23 11:43		RMB	N/A 1



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Program  
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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	091323	704		091223	D	0857	06003	2335597-01	KISTLERC_706
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	091323	705		091223	D	0823	06003	2335597-02	KISTLERC_707



## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

# Certificate of Analysis

**Laboratory No.:** 2335596

**Reported:** 09/21/23

**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:** 2335596-01 **Collected By:** Client  
**Sample Desc:** WWTP Lab Sink

**Sampled:** 09/12/23 09:30 **Received:** 09/12/23 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	202	mg CaCO <sub>3</sub> /L	20	SM 2320 B	09/14/23		ORL	N/A N/A	
Total Hardness as CaCO <sub>3</sub>	352	mg/l	4.56	CALCULATED	09/14/23		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	09/20/23		SNF	N/A N/A	
Silica as SiO <sub>2</sub>	22.2	mg/l	2.14	CALCULATED	09/14/23		HRG	N/A N/A	
Conductivity	715	umhos/cm	1	SM 2510 B	09/18/23		INW	N/A N/A	
Total Metals									
Calcium	109	mg/l	1	EPA 200.7 Rev 4.4	09/14/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	09/13/23		HRG	N/A 0.3	PASS
Magnesium	19.4	mg/l	0.5	EPA 200.7 Rev 4.4	09/14/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	09/13/23		MPB	N/A 0.05	PASS
Silicon	10.4	mg/l	1.0	EPA 200.7 Rev 4.4	09/14/23		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
<b>2335596-01</b>			
SM 4500-P F	SM 4500-P B	09/19/2023	SNF



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## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

# Certificate of Analysis

**Laboratory No.:** 2336520

**Reported:** 09/28/23

**Lab Contact:** Christina M Kistler

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

**Project:** Jan,Mar,May,Jul,Sep,Nov. Week 3  
7220038

**Lab ID:** 2336520-01 **Collected By:** Client  
**Sample Desc:** 701 Middletown WWTP  
**Notes:**

**Sampled:** 09/19/23 08:34 **Received:** 09/19/23 12:20  
**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	9/19/23 14:20	9/20/23 14:35		MAC	N/A 1

**Lab ID:** 2336520-02 **Collected By:** Client  
**Sample Desc:** 703 North Union Street Booster Station  
**Notes:**

**Sampled:** 09/19/23 08:11 **Received:** 09/19/23 12:20  
**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	9/19/23 14:20	9/20/23 14:35		MAC	N/A 1

**Lab ID:** 2336520-03 **Collected By:** Client  
**Sample Desc:** 707 Main St & Catherine St. Hydrant  
**Notes:**

**Sampled:** 09/19/23 08:22 **Received:** 09/19/23 12:20  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038 **Loc ID:** 707

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	9/19/23 14:20	9/20/23 14:35		MAC	N/A 1



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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	092023	701		091923	D	0834	06003	2336520-01	KISTLERC_1574
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	092023	703		091923	D	0811	06003	2336520-02	KISTLERC_1575
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	091323	704		091223	D	0857	06003	2335597-01	KISTLERC_706
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	091323	705		091223	D	0823	06003	2335597-02	KISTLERC_707
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	092023	707		091923	D	0822	06003	2336520-03	KISTLERC_1576





## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

# Certificate of Analysis

**Laboratory No.:** 2336519

**Reported:** 10/02/23

**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:** 2336519-01 **Collected By:** Client  
**Sample Desc:** WWTP Lab Sink

**Sampled:** 09/19/23 08:36 **Received:** 09/19/23 12:20  
**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	201	mg CaCO <sub>3</sub> /L	20	SM 2320 B	09/20/23		ORL	N/A N/A	
Total Hardness as CaCO <sub>3</sub>	341	mg/l	4.56	CALCULATED	09/22/23		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	09/22/23		SNF	N/A N/A	
Silica as SiO <sub>2</sub>	22.5	mg/l	2.14	CALCULATED	09/21/23		HRG	N/A N/A	
Conductivity	706	umhos/cm	1	SM 2510 B	09/25/23		INW	N/A N/A	
Total Metals									
Calcium	105	mg/l	1	EPA 200.7 Rev 4.4	09/22/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	09/21/23		HRG	N/A 0.3	PASS
Magnesium	19.3	mg/l	0.5	EPA 200.7 Rev 4.4	09/22/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	09/19/23		MPB	N/A 0.05	PASS
Silicon	10.5	mg/l	1.0	EPA 200.7 Rev 4.4	09/21/23		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
<b>2336519-01</b>			
SM 4500-P F	SM 4500-P B	09/21/2023	JMW



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## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

# Certificate of Analysis

**Laboratory No.:** 2337240

**Reported:** 10/04/23

**Lab Contact:** Christina M Kistler

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

**Project:** Jan,Mar,May,Jul,Sep,Nov. Week 4  
7220038

**Lab ID:** 2337240-01 **Collected By:** Client  
**Sample Desc:** 704 Village of Pineford Office  
**Notes:**

**Sampled:** 09/26/23 08:44 **Received:** 09/26/23 13:25  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038 **Loc ID:** 704

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	9/26/23 15:12	9/27/23 9:15		MAC	N/A 1

**Lab ID:** 2337240-02 **Collected By:** Client  
**Sample Desc:** 705 High Street Standpipe  
**Notes:**

**Sampled:** 09/26/23 08:30 **Received:** 09/26/23 13:25  
**PADEP Type:** D-Distribution  
**PWSID:** 7220038 **Loc ID:** 705

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	9/26/23 15:12	9/27/23 9:15		MAC	N/A 1



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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	092023	701		091923	D	0834	06003	2336520-01	KISTLERC_1574
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	092023	703		091923	D	0811	06003	2336520-02	KISTLERC_1575
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	091323	704		091223	D	0857	06003	2335597-01	KISTLERC_706
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	092723	704		092623	D	0844	06003	2337240-01	KISTLERC_2483
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	091323	705		091223	D	0823	06003	2335597-02	KISTLERC_707
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	092723	705		092623	D	0830	06003	2337240-02	KISTLERC_2484
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	092023	707		091923	D	0822	06003	2336520-03	KISTLERC_1576



## M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY  
PA DEP #06-00003

# Certificate of Analysis

**Laboratory No.:** 2337239

**Reported:** 10/05/23

**Lab Contact:** Christina M Kistler

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

**Project:** DW-Weekly WWTP Water Lab Sink  
7220038

**Lab ID:** 2337239-01 **Collected By:** Client  
**Sample Desc:** WWTP Lab Sink

**Sampled:** 09/26/23 08:59 **Received:** 09/26/23 13:25  
**Sample Type:** Grab

### Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	200	mg CaCO <sub>3</sub> /L	20	SM 2320 B	09/27/23		ORL	N/A N/A	
Total Hardness as CaCO <sub>3</sub>	331	mg/l	4.56	CALCULATED	09/28/23		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	09/27/23		JMW	N/A N/A	
Silica as SiO <sub>2</sub>	19.0	mg/l	2.14	CALCULATED	09/28/23		HRG	N/A N/A	
Conductivity	719	umhos/cm	1	SM 2510 B	09/28/23		INW	N/A N/A	
Total Metals									
Calcium	103	mg/l	1	EPA 200.7 Rev 4.4	09/28/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	09/29/23		HRG	N/A 0.3	PASS
Magnesium	18.1	mg/l	0.5	EPA 200.7 Rev 4.4	09/28/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	09/28/23		MPB	N/A 0.05	PASS
Silicon	8.9	mg/l	1.0	EPA 200.7 Rev 4.4	09/28/23		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
<b>2337239-01</b>			
SM 4500-P F	SM 4500-P B	09/26/2023	SNF



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# **MIDDLETOWN MONTHLY REPORT**

## **APPENDIX 3 CUSTOMER SERVICE**

### **MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS**

**&**

### **HOMESERVE REPORT**

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	2,742	243,336.16	831,625.57	1,074,961.73	NEW ACCOUNTS: 19
DISCONNECTED ACCTS:	11	1,502.99	1,027.81	2,530.80	DISCONNECT--NO TRF: 11
FINALED ACCOUNTS:	390	19,369.74		19,369.74	DISCONNECT--TRANSFER: 0
INACTIVE ACCOUNTS:	12,475	0.00		0.00	

\*\*GRAND TOTALS\*\* 15,618 264,208.89 832,653.38 1,096,862.27

\*\*CALCULATION SUMMARY\*\*

TOTAL CHARGES:	832,653.38
DEPOSIT RETURNS:	0.00
TOTAL CURRENT:	832,653.38

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

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
S SEWER	2676	472,468.35	0.00	0.00	0.00	15439,700.0000		15439,700.0000
SR2 SURCHARGE 2	2725	98,830.20	0.00	0.00	0.00			
W WATER	5361	261,354.83	0.00	0.00	0.00	20073,100.0000		20073,100.0000
***TOTALS***		832,653.38	0.00	0.00	0.00			

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

SERVICES:	R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
	200-WTR MDT	687-145900	81,536.25
	203-WTR MDT COMMERCIAL	687-145900	109,982.08
	206-CUSTOMER CHARGE	687-145900	12,483.24
	207-SERVICE CHG / METER	687-145900	49,150.92
	210-WTR ROYAL	687-145900	8,133.00
	220-WTR L SWT	687-145900	69.34
	231-SURCHARGE WATER/SEWER	687-145900	98,830.20
	300-SWR MDT	687-145800	341,120.99
	306-SW CUST CHARGE	687-145800	65,110.46
	310-SWR ROYAL	687-145800	22,632.84
	320-SWR L SWT	687-145800	43,604.06

\*\*R/C TOTALS\*\* 832,653.38

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

CAT CODE	TBL DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
S 300	LST SEWER -LWR SW TWP	LST	1	43,604.06	0.00	0.00	0.00		
S 300	RB SEWER -ROYALTON	RB	1	22,632.84	0.00	0.00	0.00		
S 300	SW SEWER	SW	2674	406,231.45	0.00	0.00	0.00	15,439,700.0000	802
SR2 231	SR2 SURCHARGE WATER/SEWE SR2		2725	98,830.20	0.00	0.00	0.00		

===== R A T E T A B L E T O T A L S =====

\*\* ( CONTINUED ) \*\*

CAT	CODE	TBL	DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
W	200	C10	COMM 1" MTR	C10	35	4,041.88	0.00	0.00	0.00	307,200.0000	
W	200	C15	COMM 1 1/2" MTR	C15	9	6,783.04	0.00	0.00	0.00	629,300.0000	
W	200	C20	COMM 2" MTR	C20	22	18,287.64	0.00	0.00	0.00	1,700,000.0000	
W	200	C30	COMM 3" MTR	C30	5	7,563.56	0.00	0.00	0.00	711,400.0000	
W	200	C40	COMM 4" MTR	C40	2	165.72	0.00	0.00	0.00	8,500.0000	
W	200	C58	COMM 5/8" MTR	C58	15	1,779.83	0.00	0.00	0.00	138,700.0000	
W	200	C60	COMM 6" MTR	C60	13	65,817.70	0.00	0.00	0.00	6,266,100.0000	
W	200	C75	COMM 3/4" MTR	C75	2	274.92	0.00	0.00	0.00	22,000.0000	
W	200	C80	COMM 8" MTR	C80	4	8,464.24	0.00	0.00	0.00	792,000.0000	
W	200	COM	COMPOUND WATER N/C	COM	12	0.00	0.00	0.00	0.00		
W	200	LS8	LOWER SWAT 8" MTR	LS8	1	69.34	0.00	0.00	0.00	1,200.0000	
W	200	NCW	NO CHG	NCW	25	0.00	0.00	0.00	0.00	56,300.0000	
W	200	R10	RESID 1" MTR	R10	34	1,591.01	0.00	0.00	0.00	75,400.0000	
W	200	R58	RESID - 5/8" MTR	R58	2556	133,423.16	0.00	0.00	0.00	7,301,800.0000	
W	200	R60	RESID 6" MTR	R60	1	4,364.98	0.00	0.00	0.00	414,900.0000	
W	200	R75	RESID 3/4" MTR	R75	4	464.56	0.00	0.00	0.00	35,800.0000	
W	200	RB6	ROYALTON BOR 6" MTR RB6	RB6	2	8,133.00	0.00	0.00	0.00	1,612,500.0000	
W	210	A1V	FLAT RATE WATER -VAR A1V	A1V	2	130.25	0.00	0.00	0.00		
W	220	MC	WATER METER CHARGE - MC	MC	2617	0.00	0.00	0.00	0.00		
***TOTALS***						832,653.38	0.00	0.00	0.00		

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

CODE	DESCRIPTION	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION	DEMAND CONSUMPTION
W	WATER	20,073,100.0000	0.000	20,073,100.0000	

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

CODE	DESCRIPTION	NUMBER	AMOUNT
**DEPOSIT TOTALS**		0	0.00

10/02/2023 10:22 AM  
DATES: 9/01/2023 THRU 9/30/2023  
TYPE: \* - All

\*\*\* BILLED CONSUMPTION REPORT \*\*\*

PAGE: 367

\*\*\* SERVICE CATEGORY TOTALS \*\*\*

SERV CATG	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL AMOUNT
S	2,676	15,439,700	15,439,700		\$	472,468.35
SR	2,659	0	0			
SR2	2,725	0	0		\$	98,830.20
W	5,361	20,073,100	20,073,100		\$	261,354.83



## REPORT TOTALS

## REVENUE CODE TOTALS

REVENUE CODE:	--CURRENT--	+1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	--BALANCE--
081-NSF CK FEE	55.80	29.74	0.00	0.00	0.00	85.54
200-WTR MDT	81710.12	19275.10	8048.94	3513.34	3725.42	116272.92
201-WATER TURN ON	0.00	139.02	44.88	1.66	40.00	225.56
203-WTR MDT COMMERCIAL	114075.81	10266.68	557.04	180.62	99.01	125179.16
206-CUSTOMER CHARGE	12236.75	2581.14	1061.66	509.01	2550.86	18939.42
207-SERVICE CHG / METER	48108.52	10155.98	4117.44	1965.20	9908.90	74256.04
210-WTR ROYAL	8133.00	0.00	0.00	0.00	0.00	8133.00
220-WTR L SWT	69.34	0.00	0.00	0.00	0.00	69.34
230-SURCHARGE WATER/SEWER	16.28	8.30	8.31	8.31	1239.65	1280.85
231-SURCHARGE WATER/SEWER	91804.78	7805.91	1772.09	720.30	2301.16	104404.24
275-WTR PEN	196.61CR	2767.29	796.54	303.18	1011.46	4681.86
300-SWR MDT	338214.55	72035.86	17949.60	7729.38	8644.53	444573.92
306-SW CUST CHARGE	63805.66	13690.99	5636.46	2748.54	26048.59	111930.24
310-SWR ROYAL	22632.84	0.00	0.00	0.00	0.00	22632.84
320-SWR L SWT	43604.06	0.00	0.00	0.00	0.00	43604.06
375-SWR PEN	278.44CR	4966.34	1340.15	496.48	2261.51	8786.04
996-UNAPPLIED	15390.88CR	0.00	0.00	0.00	0.00	15390.88CR
999-REFUND	1980.52CR	0.00	0.00	0.00	0.00	1980.52CR
TOTALS	806621.06	143722.35	41333.11	18176.02	57831.09	1067683.63

TOTAL REVENUE CODES: 1,067,683.63

TOTAL ACCOUNT BALANCE: 1,067,683.63

DIFFERENCE: 0.00

10-03-2023 10:05 AM  
PERIOD: 9/01/2023 THRU 9/30/2023  
ZONE: \* - All Zones  
REVENUE CODE: All  
ADJUSTMENT CODES:

MONTHLY TRANSACTION REPORT

PAGE: 25

DAILY DISTRIBUTION

TYPE	DAY	COUNT	AMOUNT
ADJUSTMENT	01	4	16,746.18
	06	1	13.47CR
	07	2	36.03CR
	11	2	254.15CR
	14	2	80.00
	15	1	46.29CR
	18	1	40.00
	19	1	40.00
	20	2	90.00
	21	1	20.00
	25	3	60.00
	27	121	0.00
	28	1	31.01CR
	29	2	0.36
ADJUSTMENT TOTAL			16,695.59
BILL	07	2	18.35CR
	08	1	100.27
	13	2	185.36
	19	1	49.52
	25	1	241.83
	26	2	381.73
	27	2,746	831,713.02
BILL TOTAL			832,653.38
APPLIED DEPOSIT	27	3	0.00
APPLIED TOTAL			0.00
LATE CHARGE	26	504	9,658.92
LATE TOTAL			9,658.92
MEMO	19	2	0.00
MEMO TOTAL			0.00
PAYMENT	01	25	21,980.73CR
	05	31	7,532.05CR
	06	43	8,163.79CR
	07	104	19,200.69CR
	08	104	19,629.02CR
	11	404	115,310.39CR
	12	95	38,174.85CR
	13	152	30,141.70CR
	14	116	31,078.19CR

Difference - adj total ± \$ Billed -  
Other Revenue \$26,354.51

PERIOD: 9/01/2023 THRU 9/30/2023

ZONE: \* - All Zones

REVENUE CODE: All

ADJUSTMENT CODES:

DAILY DISTRIBUTION			
TYPE	DAY	COUNT	AMOUNT
	15	232	74,942.41CR
	18	297	240,612.50CR
	19	55	15,438.56CR
	20	33	6,738.27CR
	21	30	4,393.42CR
	22	66	11,646.51CR
	25	111	32,618.34CR
	26	37	11,627.35CR
	27	24	4,832.89CR
	28	26	5,477.08CR
	29	42	21,770.81CR
	PAYMENT TOTAL		721,309.55CR
DRAFT	15	397	69,719.85CR
	20	27	22,002.72CR
	DRAFT TOTAL		91,722.57CR
REVERSE-PAY	01	1	60.00
	18	2	507.79
	21	1	106.26
	25	4	9,942.57
	28	1	169.80
	29	2	731.01
	REVERSE PAY TOTAL		11,517.43
GRAND TOTAL FOR PERIOD			57,493.20

Total Collected \$813,000

Total Collected \$813,032.12

10/02/2023 10:38 AM  
ZONE: ALL ZONES  
SERVICE: 200-WATER

T D L E M E T E R R E P O R T

PAGE: 1

\*\*\*\* REPORT TOTALS \*\*\*\*

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Book	Services	Addresses
02 - BOOK 02	1	0
04 - BOOK 04	4	0
05 - BOOK 05	1	0
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	1	0
29 - BOOK 29	1	0

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Grand Totals	19	1
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ACTION	----- ISSUED THIS PERIOD -----				----- PRIOR ORDERS -----			TOTAL	TOTAL
	ISSUED	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	OUTSTANDING
C CONNECT	1	1	0	0	189	4	0	190	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	70	65	5	0	3,755	94	0	3,820	0
M METER CHANGE	9	9	0	0	872	8	0	881	0
O OCC CHANGE	13	13	0	0	1,520	3	0	1,533	0
R REINSTATE	0	0	0	0	2	2	0	2	0
S SERV CHANGE	0	0	0	0	34	0	0	34	0
X MISC	0	0	0	0	843	25	0	843	0
** GRAND TOTALS **	93	88	5	0	7,264	143	0	7,352	0

10/03/2023 10:18 AM  
ZONE: < All Zones >  
SORT: ACCOUNT

MXU REPORT

PAGE: 75  
GROUP: \* - All Groups

METER NO#	ACCOUNT NO#	NAME	ADDRESS	MXU TYPE	MXU ID
W 81162319		INVENTORY			1440255000
W 83282113		INVENTORY			1471327472
W 83282114		INVENTORY			1471353482
W 89769376		INVENTORY			1483441396
W 89769377		INVENTORY			1483441392
W 89769378		INVENTORY			1483439978
W 89769379		INVENTORY			1483441800
W 89769380		INVENTORY			1483439974
W 89769381		INVENTORY			1483439982
W 89769382		INVENTORY			1483440690
W 89769383		INVENTORY			1483441674
W 89769384		INVENTORY			1483434890
W 89769385		INVENTORY			1483434850
W 68321084		INVENTORY			1440302592 Duplica
W 68321092		INVENTORY			1460155946 Duplica
W 68321088		INVENTORY			1460082070 Duplica
W 68652385		INVENTORY			1460168502 Duplica
W 8652384		INVENTORY			1440127130 Duplica
W 60433874		INVENTORY			1547474280
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 39759236		INVENTORY			1564217606
W 10659431		INVENTORY			1568103474
W 10871871		INVENTORY			1568031178
W 10871883		INVENTORY			1563387082
W 10871886		INVENTORY			1563522708

\*\*\* TOTAL METERS IN SERVICE 2756  
\*\*\* TOTAL METERS IN INVENTORY 917

SEPTEMBER 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 Correspondance (Letters/Emails)	TOTALS	Calls for Other Ops	Calls from City / Other Org	AppleTree Hold Call	General Acct. Info	Copy Of Bill	Correct. Bills	Bill Inquiry	Rates	Payment	Collection Letter	New Account	Finals	Meter Reading/R e-Reads	Service Complaints	C.S. Thank You	Sewer Back up or SSO	Water Leaks	Broke, Froze, Leaking Meter	No Water/Low Pressure	Water Quality	
Friday, September 1, 2023	22	2	24				1			1		17	1			1	1							
Tuesday, September 5, 2023	41	3	44	5			2	1		18		15												
Wednesday, September 6, 2023	38	1	39	1			5			7		24								1				
Thursday, September 7, 2023	53	3	56				2			10		40			1									
Friday, September 8, 2023	67	4	71	1			4			9		52			1									
Monday, September 11, 2023	44	4	48	1			2			5		33	2		1									
Tuesday, September 12, 2023	41	2	43	4						5		27	3	1							1			
Wednesday, September 13, 2023	37	3	40	2						1		28	4		1	1								
Thursday, September 14, 2023	54	5	59	1			1			6		46	9		1									
Friday, September 15, 2023	106	1	107	1						3		96	4	1									1	AIR IN LINES
Monday, September 18, 2023	53	4	57	1			1			5		42	4											
Tuesday, September 19, 2023	26	3	31	7			1			4		15			1									
Wednesday, September 20, 2023	33	1	34	3						6		22	1									1		
Thursday, September 21, 2023	14	0	14	1						3		9								1				
Friday, September 22, 2023	40	0	40	1			1			2		35								1				
Monday, September 25, 2023	43	3	46				1			6		32			3				1					
Tuesday, September 26, 2023	14	6	20							2		12												
Wednesday, September 27, 2023	15	2	17				1			3		9			2									
Thursday, September 28, 2023	16	6	26							1	1	15								1				
GRAND TOTALS	771	55	826	29	0	0	22	1	0	97	1	569	28	2	11	2	1	0	1	4	1	1	1	

## 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	9/15/2023	9/20/2023	253	10/9/2023	90	4 SHUT OFFS (4 OCCUPIED) 3 PROPERTIES TURNED BACK ON
September Bill Cycle						
October Bill Cycle						
November Bill Cycle						
December Bill Cycle						



Partner Reporting Dashboard

[Back to Partner Select Page](#)

SUEZ (Middletown)

Date Start

2022-09-30

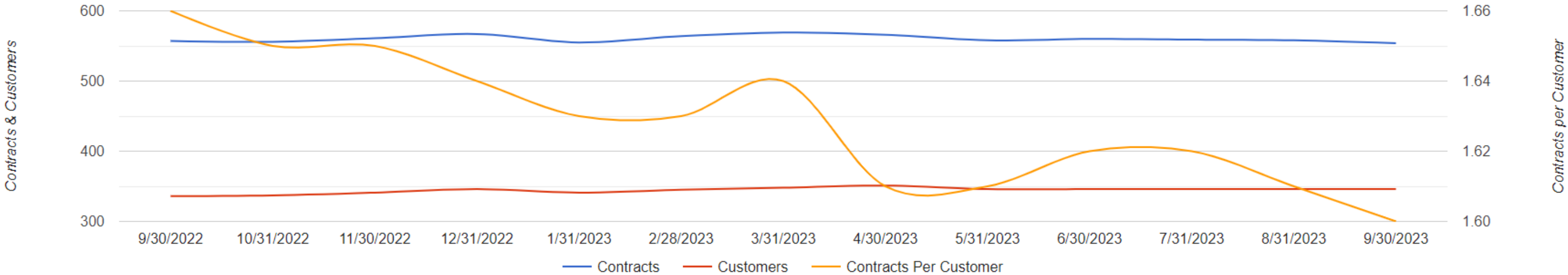
Date End

2023-09-30

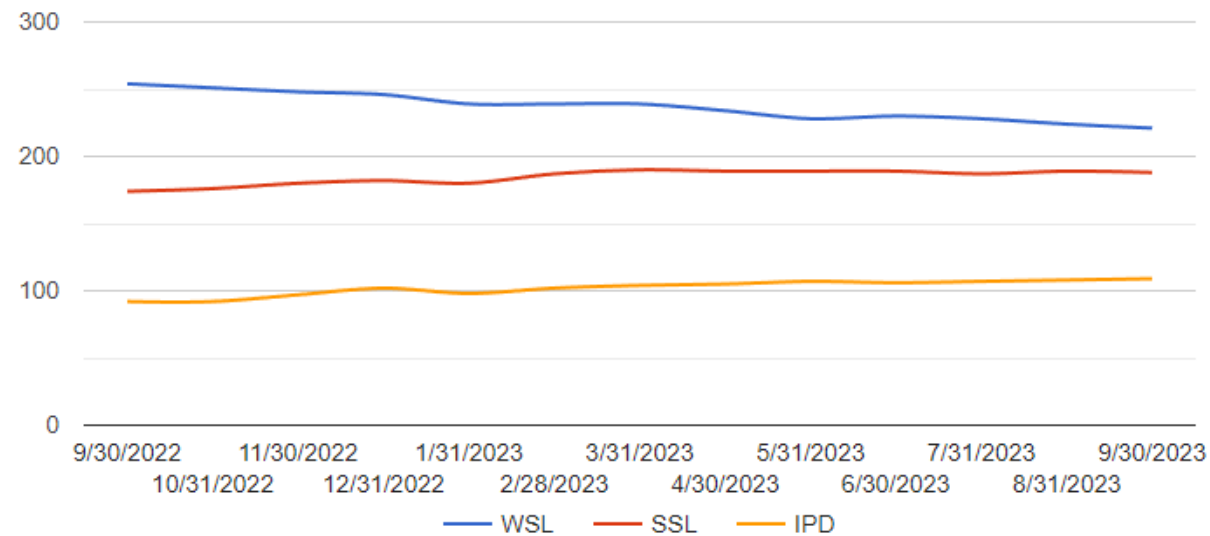
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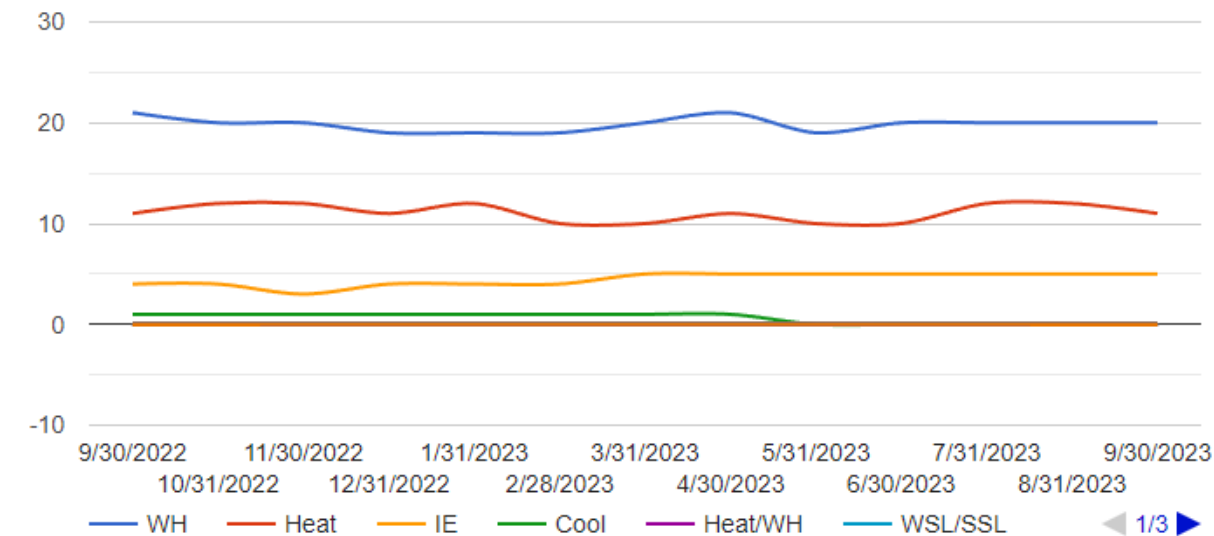
Contracts and Customers



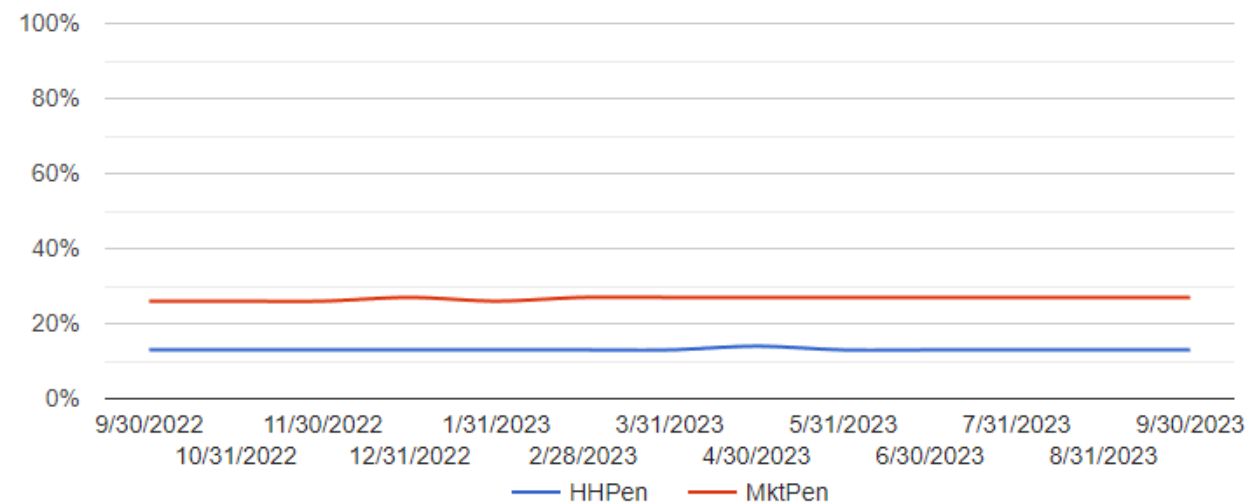
Leading Contracts by Type (Top 3)



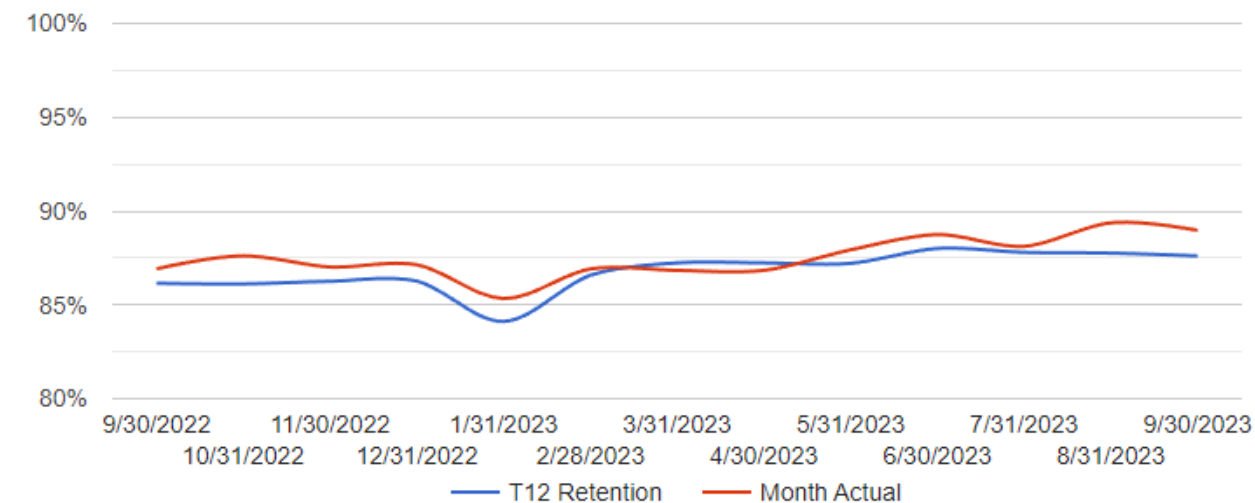
Leading Contracts by Type Other



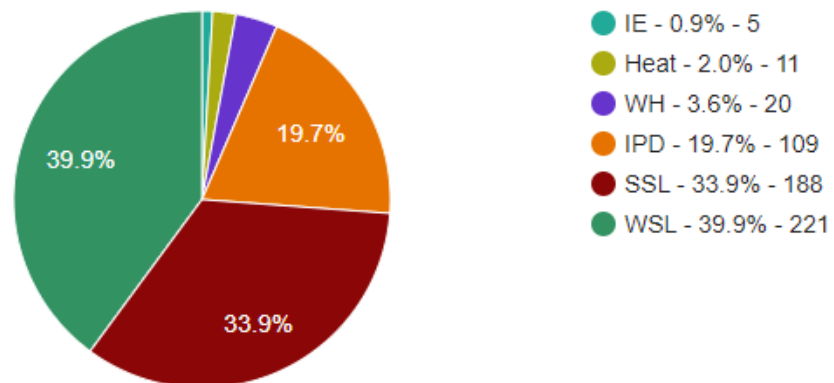
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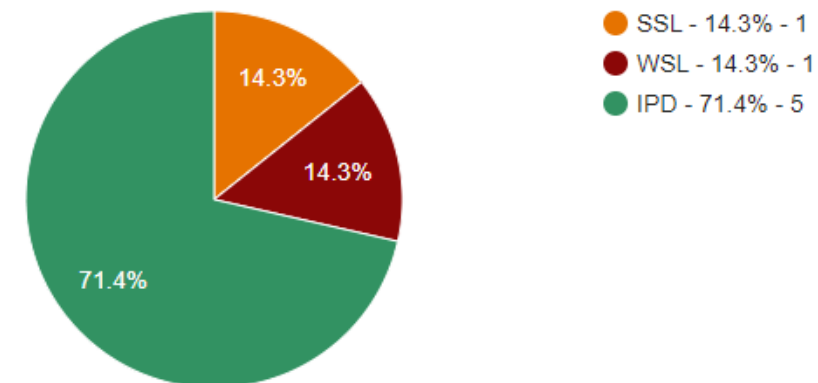
Retention



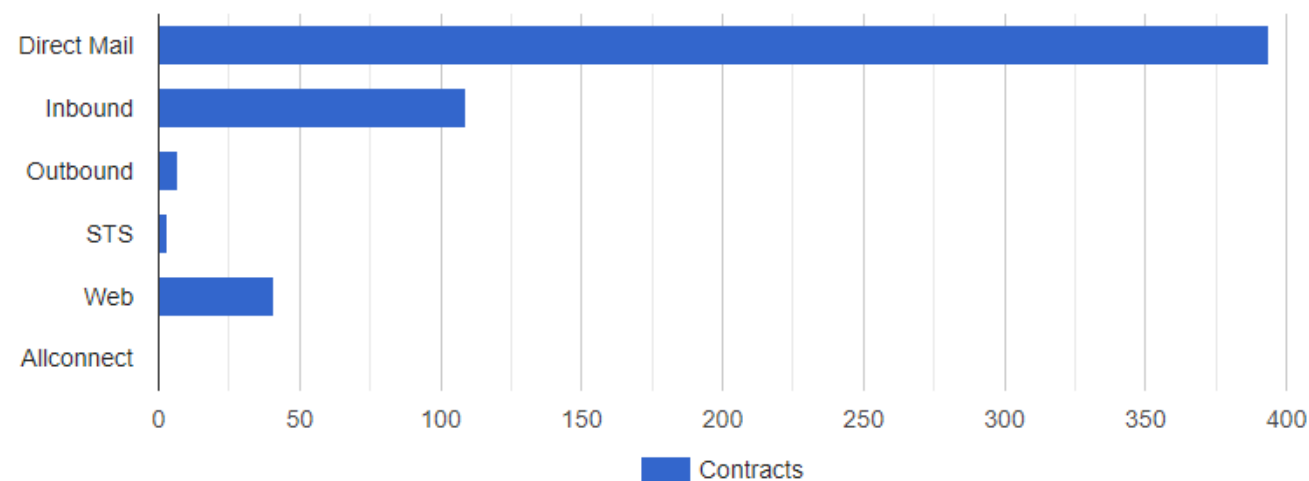
Contracts by Product Type



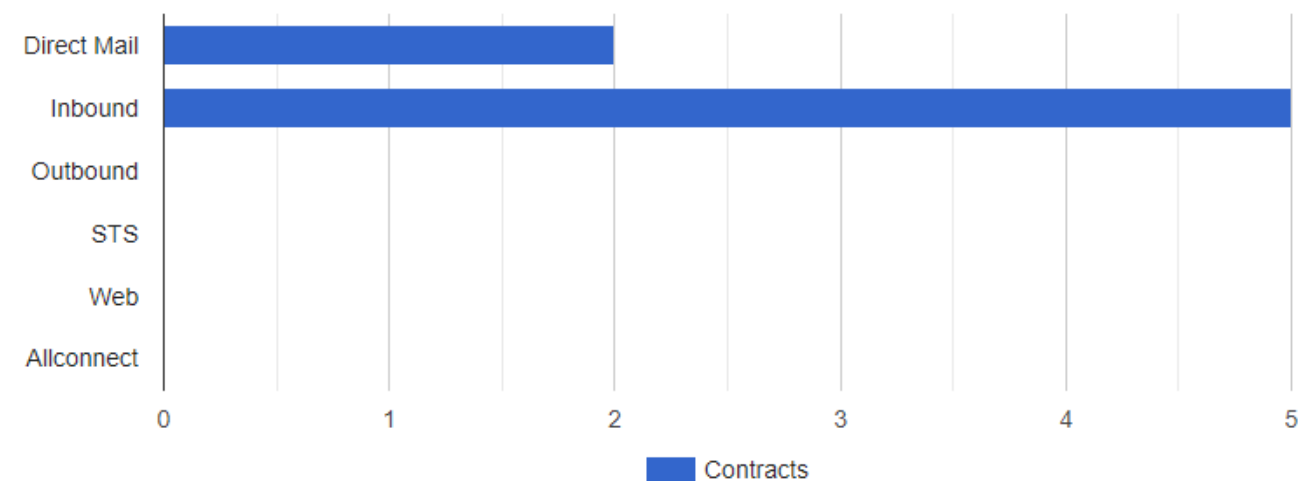
Contracts by Type - Last 30 Days



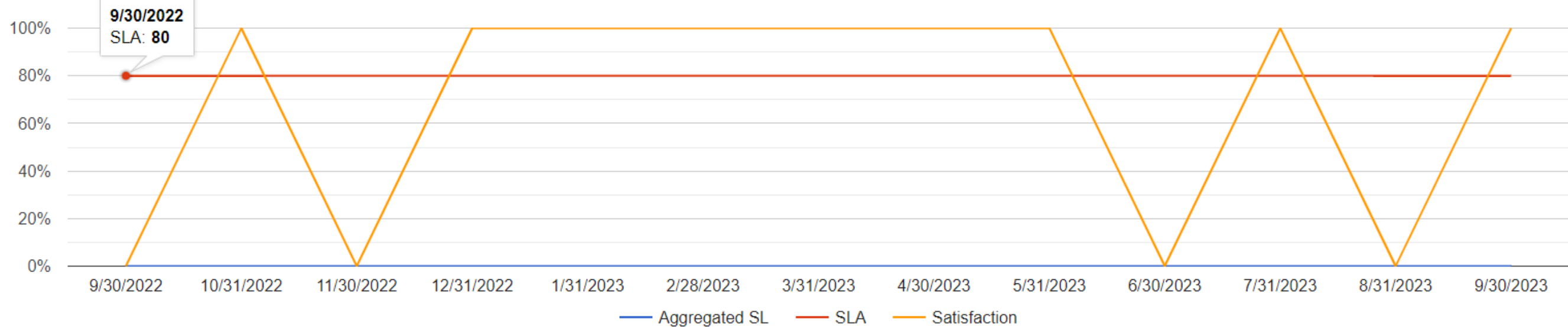
Contracts by Channel



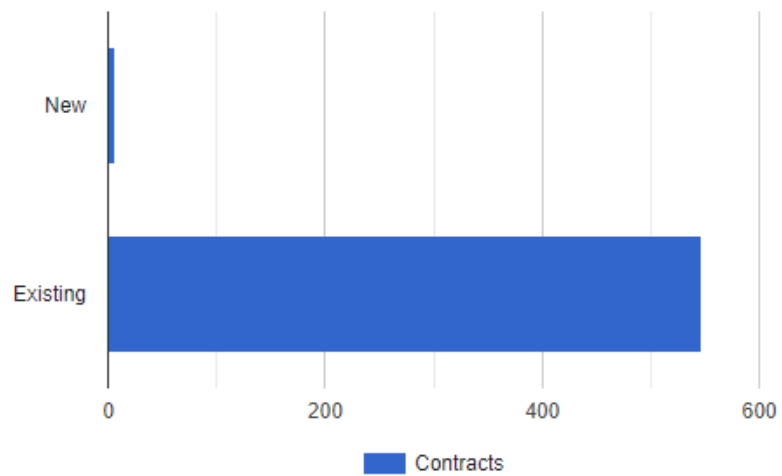
Contracts by Channel - Last 30 Days



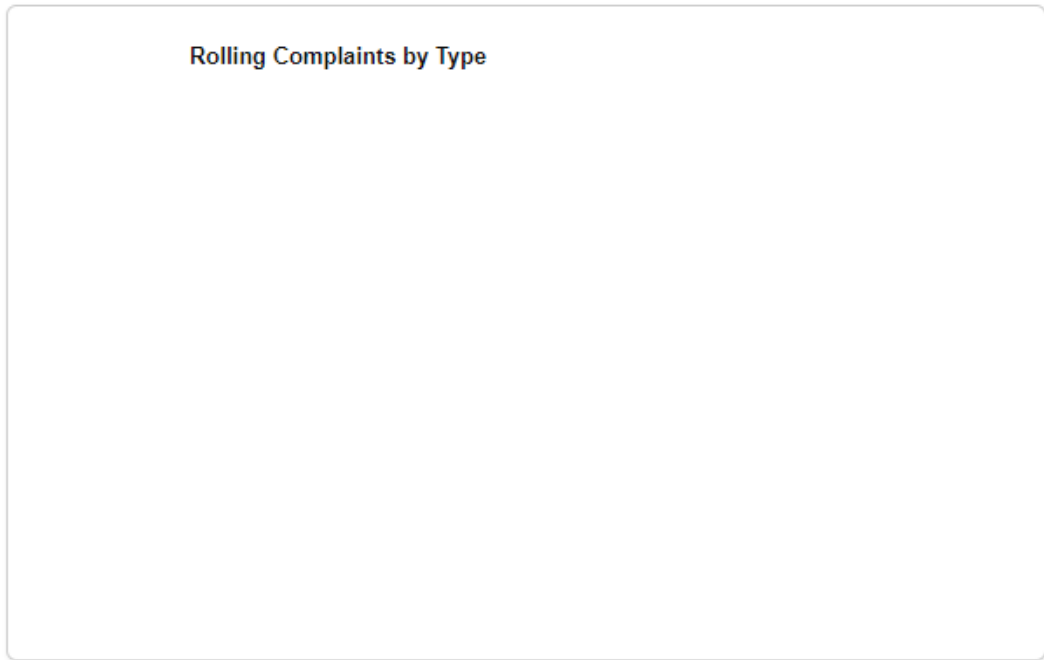
Service Levels And Satisfaction



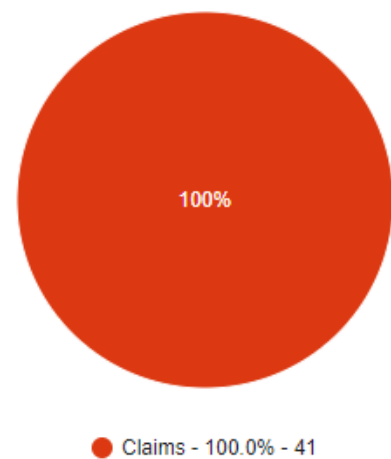
New v. Existing



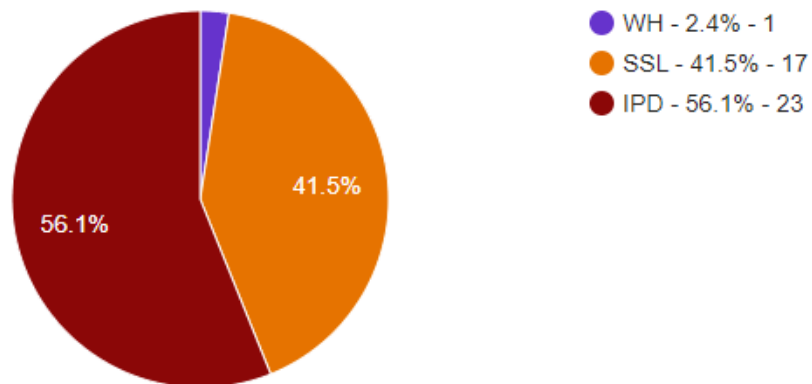
Rolling Complaints by Type



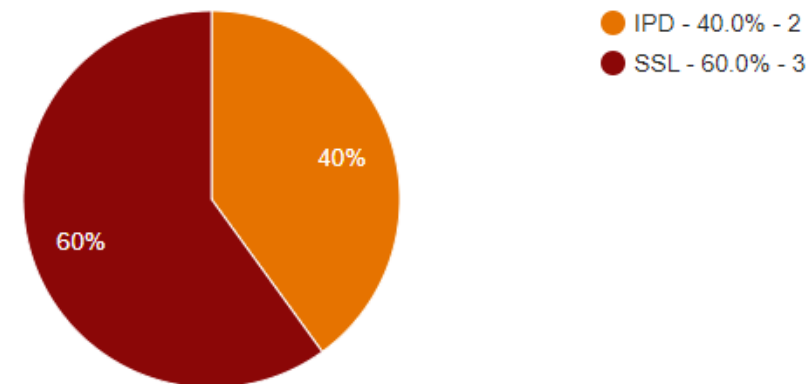
Complaints vs Claims



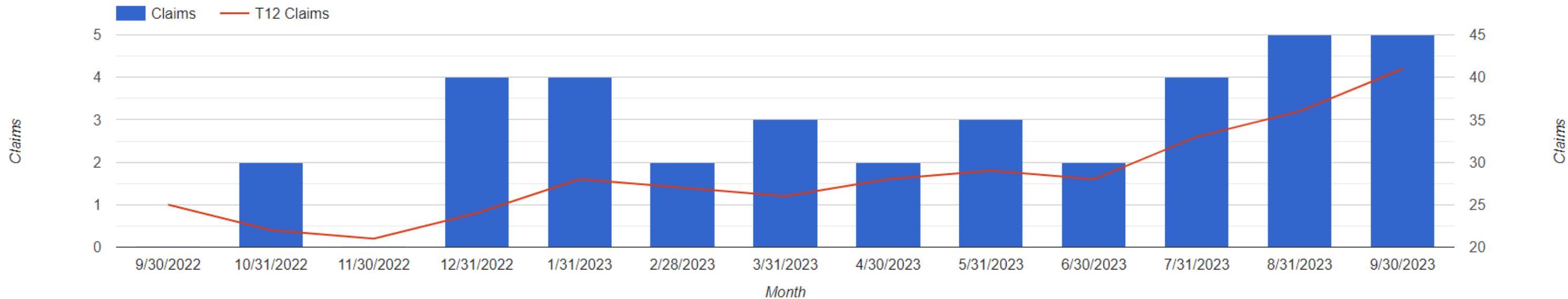
T12 Month Claims by Type



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