

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

OCTOBER 2023



EXECUTIVE SUMMARY

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

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

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

Operations and Maintenance

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

Significant operational and maintenance accomplishments for the reporting period include:

- Continue weekly monitoring of the petroleum substance entering the outfall pipe after the WWTP effluent. Short-term mitigation efforts are minimizing the discharge until a long-term plan is approved.
- Continue use of the HachWIMS application for process and regulatory data management and to optimize meeting reporting requirements.
- Continue observation of the SmartCover® Sewer Monitoring System at manholes MH-286 at Mill St, MH-290 at Hoffer Park, MH-332 at E. Main St, and MH-475A on E. Water St.
- Installation of Safety Upgrades for Water and Wastewater systems.
- Completed integration of new chemical feed pumps into water SCADA.
- Continued small meter replacement program.
- Completed 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
- Veolia working with HRG on permit amendments
 - Well 4 Permit Application (replacement pump)-**Approval Received on 6/25/21**
 - 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
 - Well 4 drop pipe, well pump and chemical feed system installed October 2023.
 - A new scale for the fluoride system has been ordered and will be installed before startup.
 - Well 4 to be returned to service pending fluoride scale installation and PA DEP inspection. Estimated to be January 2024.
- Chemical feed upgrade for Well 2 complete on November 3, 2022
- Water SCADA computer upgrade complete August 2023

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

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Environment, Health and Safety

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

Customer Service

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

Some accomplishments include:

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

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

The meter reading cycle for water consumption in September was successfully completed on October 26th, 2023.

- Sent 256, 10 day shut-off notices to accounts that were \$50 past due for the September 2023 billing period

Engineering and Capital Expense

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

Conclusion

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

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MONTHLY OPERATIONS REPORT

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

Wastewater Treatment Plant DMR

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

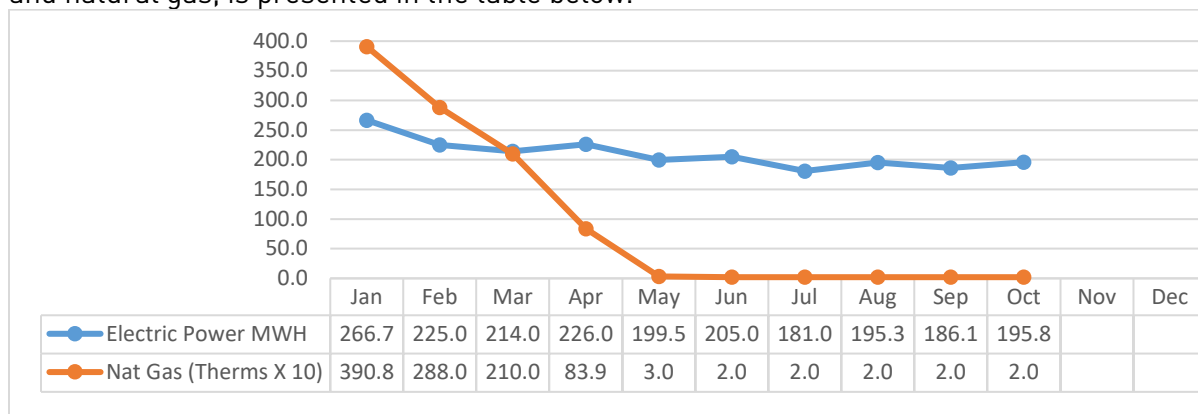
Quality Control Reporting

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

Energy Management and Sustainability

Energy Use

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



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

Energy Efficiency Initiatives

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

Sustainability

Middletown received a score of 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	9/28/23	Gearbox Failure	10/10/23
WWTP	Rotor	Ox Ditch 1	10/2/23	Rotor Failure	In Progress

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

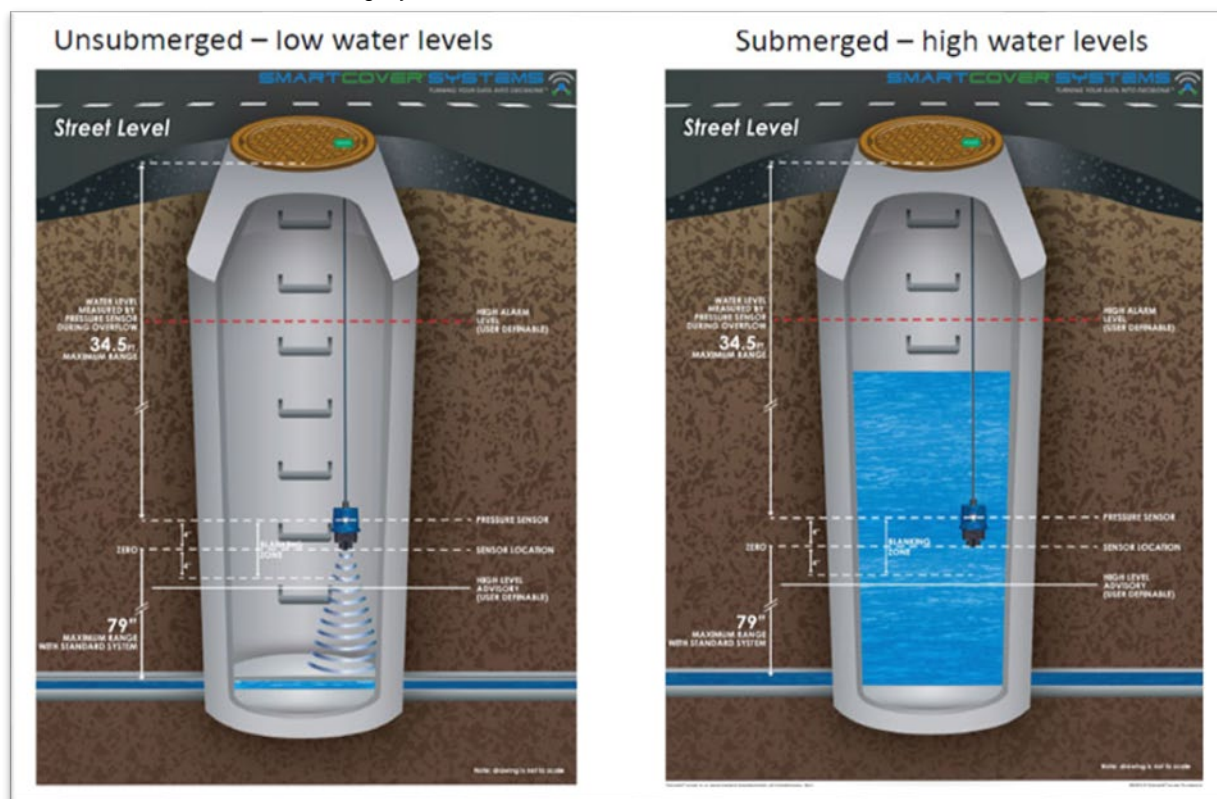
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Sanitary Sewer System

SmartCover® Sewer Monitoring System

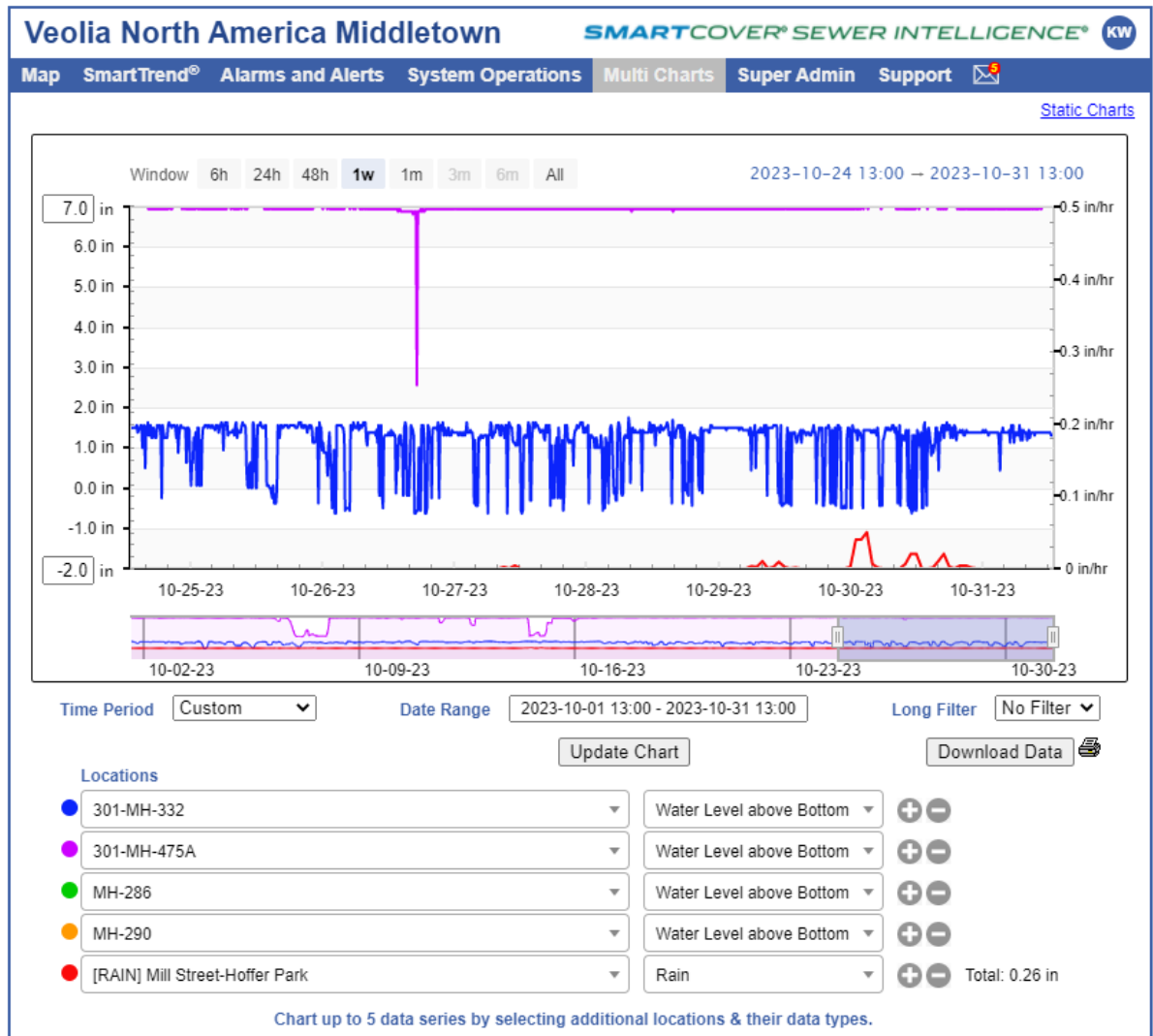


Ultrasonic level sensor (on the left) and pressure transducer (on the right). The covers use level sensing technology to analyze sewer elevations throughout the monitored area. This technology is used to monitor and reduce sanitary sewer overflows (SSO's) at problematic locations. The SmartCovers installed 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	6645	0
Current	0	0	5961	0
YTD	166	124	20153	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.

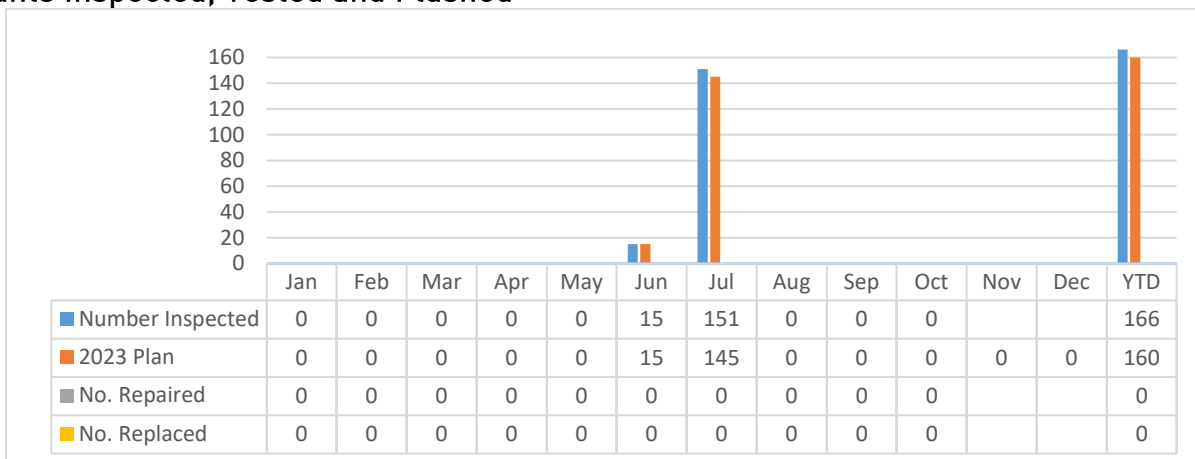
Sanitary Mains Cleaned/CCTV Inspected: The 2022 jetting and CCTV requirement were completed in March 2023, which was postponed due to supply chain and vehicle equipment issues.

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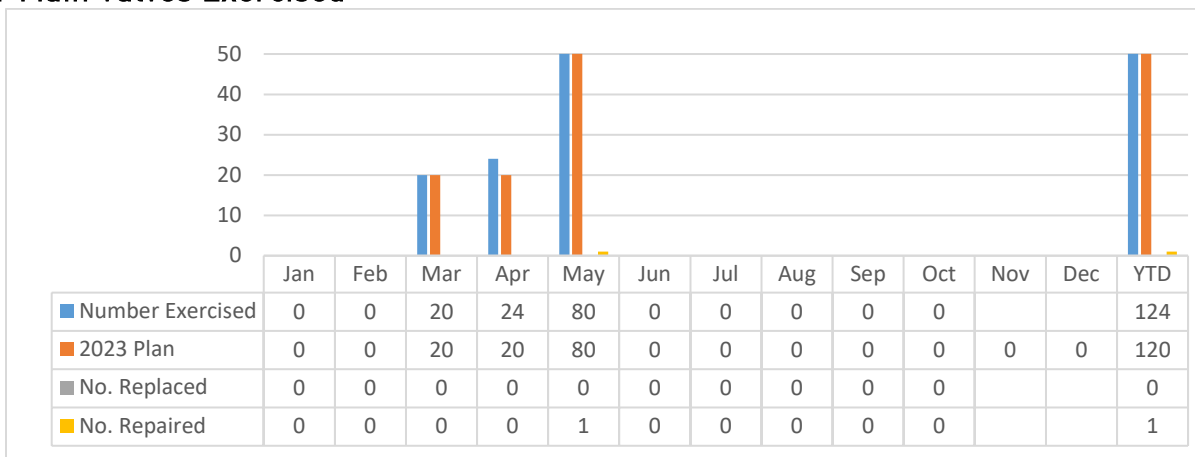
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Hydrants Inspected, Tested and Flushed



Water Main Valves Exercised

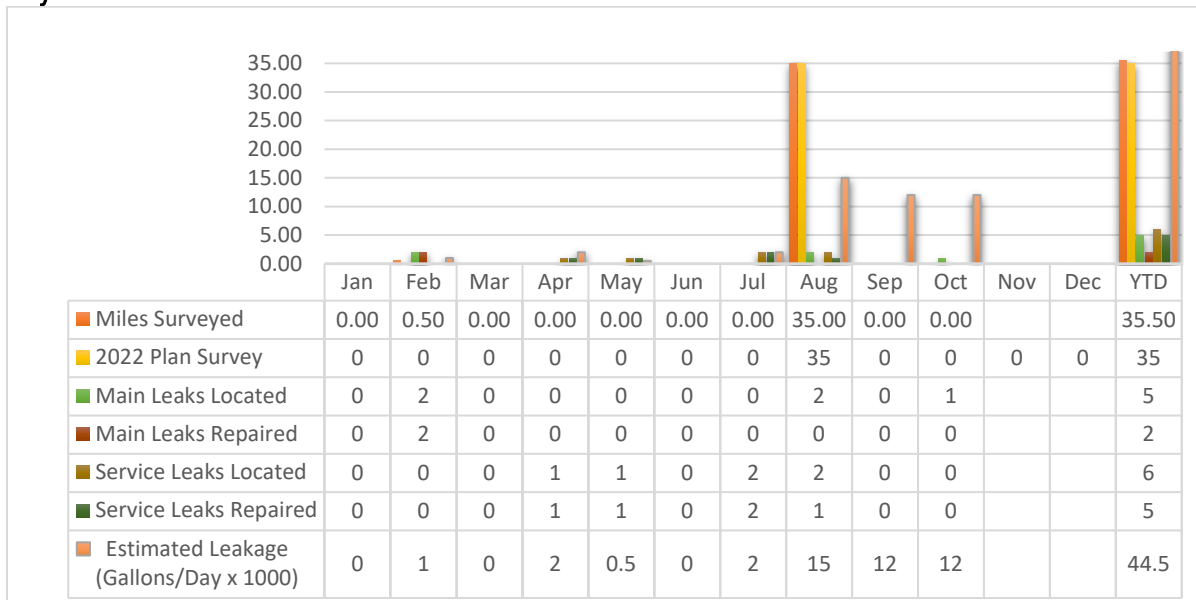


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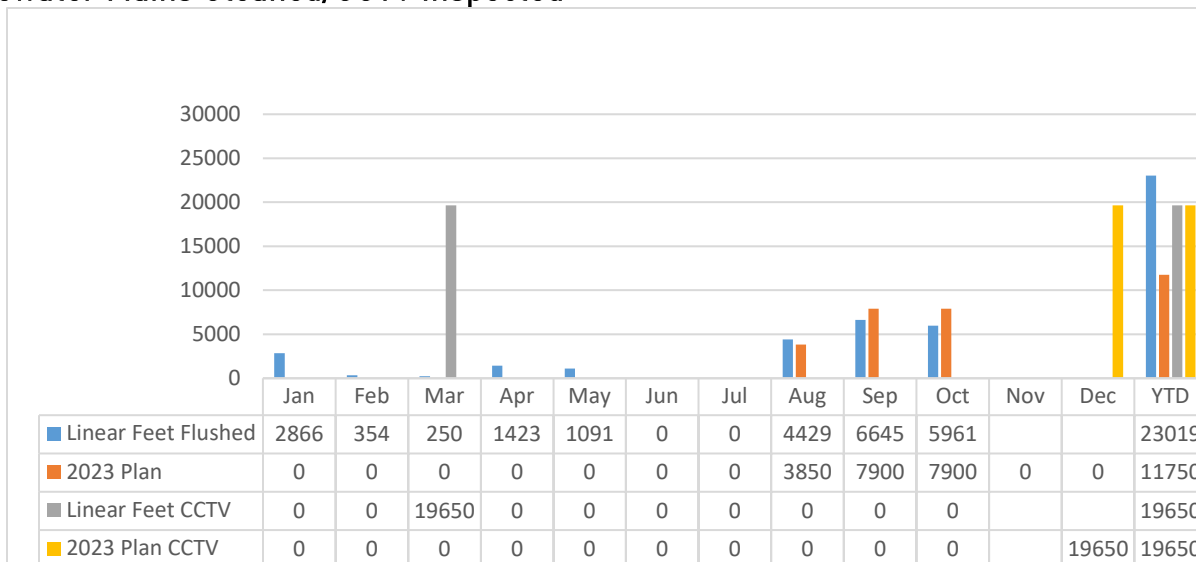
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Water System Leak Detection



Wastewater Mains Cleaned/CCTV Inspected

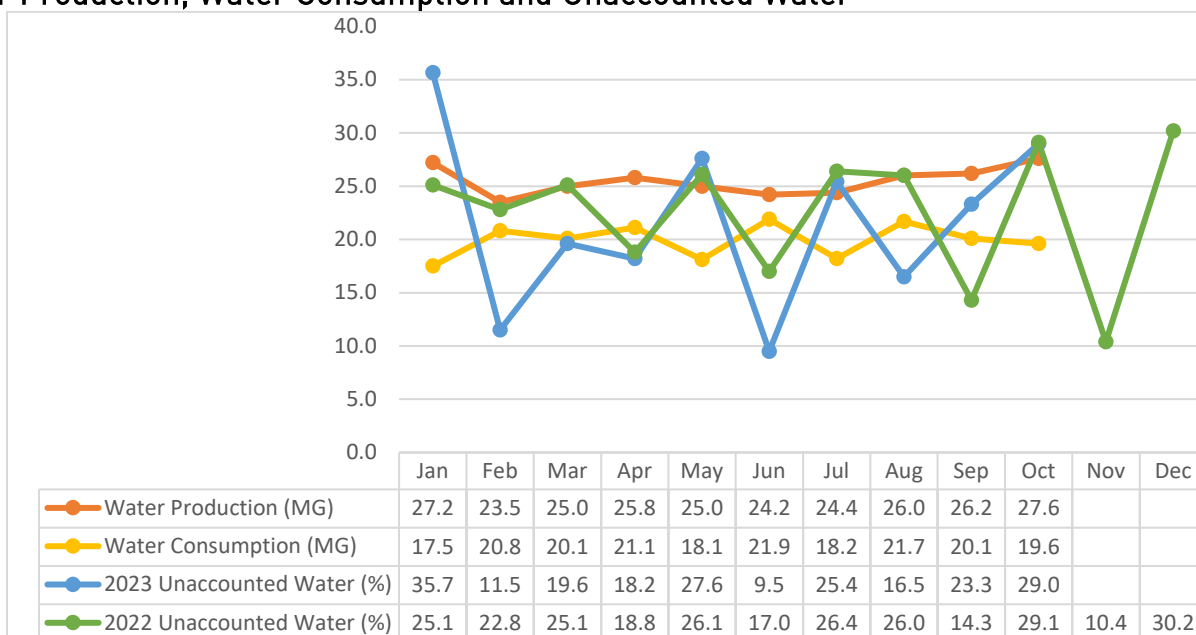


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Water Production, Water Consumption and Unaccounted Water



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.

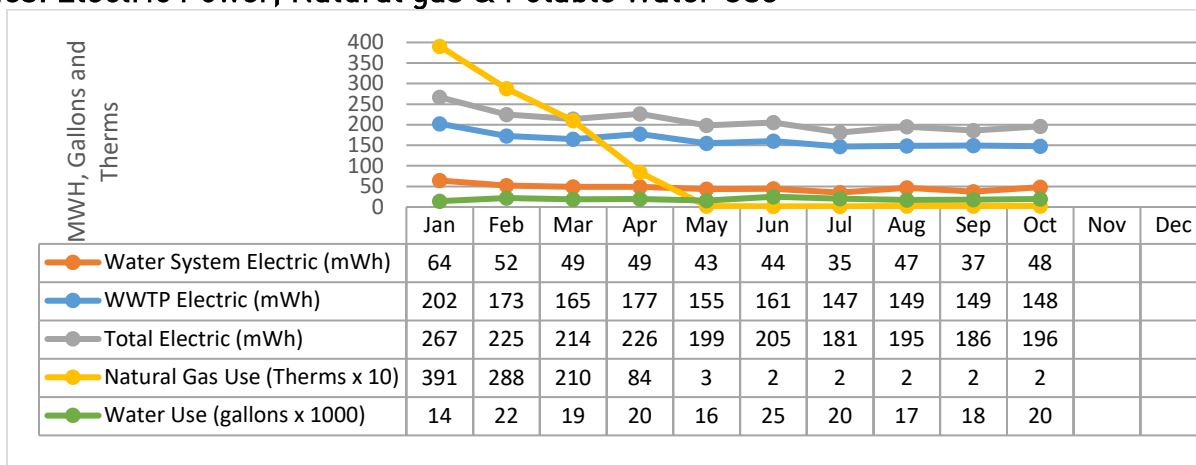
Refilling the High St tank (after completion of Capital Upgrade) in January likely contributed to the higher than average unaccounted for water percentage. The higher than average unaccounted for water percentage in July is likely due to hydrant flushing. The higher than average unaccounted for water percentage in October is likely due to several new mains that were filled, flushed, and put into service.

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Utilities: Electric Power, Natural gas & Potable Water Use



*This graph has been updated to reflect actual water use since July. Engie had been reporting water usage with incorrect units.

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	326			
Hydrofluorosilic Acid	lbs	305	265	282	292	282	257	263	273	283	302			
Alum	gal	35	37	69	43	50	60	61	70	58	44			
Thickening Polymer	gal	55	64	45	48	54	56	44	51	47	43			
Dewatering Polymer	gal	129	160	88	103	118	81	88	63	87	67			
Chlorine (WWTP)	lbs	404	329	462	390	444	460	490	501	464	3363			
Lime	lbs	5628	2743	1666	1647	1702	1451	1433	1411	1380	1288			

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.

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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.

The small meter replacement program began in July 2023 utilized MeterTek as the contractor. One hundred and fifty-seven small meters have been replaced through October. All small meters will be tested at the 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	1	1	4
Water Process	16	0	0	16	0	0	15	0	0	12			16	16	15	12	59
Interconnect/Large	0	0	0	2	0	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	0
TOTAL	17	0	0	19	0	0	16	0	0	13	0	0	17	19	16	13	65

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.
- Upgrades to Chemical Feed Systems.
- Continue Well # 4 chemical feed upgrade.
- Safety Upgrades to water and wastewater systems.
- Assist in coordinating the day-to-day needs of the Capital Improvement Project.
- Complete Turnpike Tank project and return to service.
- Continue small meter replacement program.
- Continue management of underground infrastructure replacement capital construction projects.
- Perform annual safety inspections of fire extinguishers and backflow prevention.

Customer Service

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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 October with a total of 772 calls received. Call volume has remained high through October 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 application was accepted and twenty-five customers were able to utilize the program before the LIHWAP program ended on October 28, 2022, due to lack of federal funding. The LIHWAP program was reopened on July 10, 2023 and concluded on August 18, 2023. Nineteen customers were able to utilize the program while it was open in 2023.

The 2023 rate increase has been implemented in accordance with Middletown Water Annual Recovery Report and the surcharge was terminated in October when the threshold was reached.

The release of bill files for printing and mailing this month occurred in 1 day with bills for services provided in October being mailed to customers on October 26th, 2023. The average gross monthly collection rate for October was 113.11% and 99.81% 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 20 accounts this month, which is up from last month. There were no idle meters with consumption this month.

The number of Field Service Requests in October was 72.

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 427 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	7			85	123	131
Bill Inquiry	99	57	89	94	127	143	162	96	97	56			1020	1448	934
Finals	19	12	13	14	22	18	13	9	11	3			134	242	173
New Account	7	5	11	7	16	12	9	6	2	3			78	118	98
Meter Reading /Re-Reads	1	3	3	5	0	0	0	2	2	0			16	13	0
Payments	610	560	590	576	631	591	585	616	569	627			5955	6901	6127
Collection Letter	51	45	37	68	104	109	79	38	28	10			569	735	168
Rates	0	11	1	0	0	0	0	0	1	0			13	9	30
Complaints	0	0	0	0	0	0	0	2	1	0			3	0	1
Sewer	0	2	0	0	0	0	0	0	1	0			3	6	12
Leaks	3	2	1	3	2	0	4	2	4	5			26	15	11
No/Low Water Pressure	0	1	0	0	2	0	1	0	1	0			5	8	6
Copy Of Bill	3	4	3	3	4	0	2	3	1	5			28	101	2
Correct. Bills	0	0	0	0	0	0	0	0	0	0			0	0	0
Mtr Change Out	0	0	0	0	0	0	0	0	1	0			1	0	1
Customer Correspondance	61	29	48	56	57	71	57	74	55	40			548	763	922
Discolored/Water Quality	0	1	0	1	0	0	0	0	1	0			3	1	0
Calls Referred to SUEZ Hbg	33	17	24	23	30	29	23	28	29	16			252	414	439
Calls from City / Other Org	0	0	0	0	0	0	0	0	0	0			0	0	1
Compliments	0	0	0	0	0	0	0	0	0	0			0	1	18
2023 TOTALS	899	753	828	858	1003	976	942	882	826	772	0	0	8739		
2022 TOTALS	1005	920	966	915	972	955	902	905	818	933	814	794		10899	

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

Customer Service: Billing

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

* Neptune is the meter manufacturer

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Dollars Billed - Water and Sewer (dollars X1000)

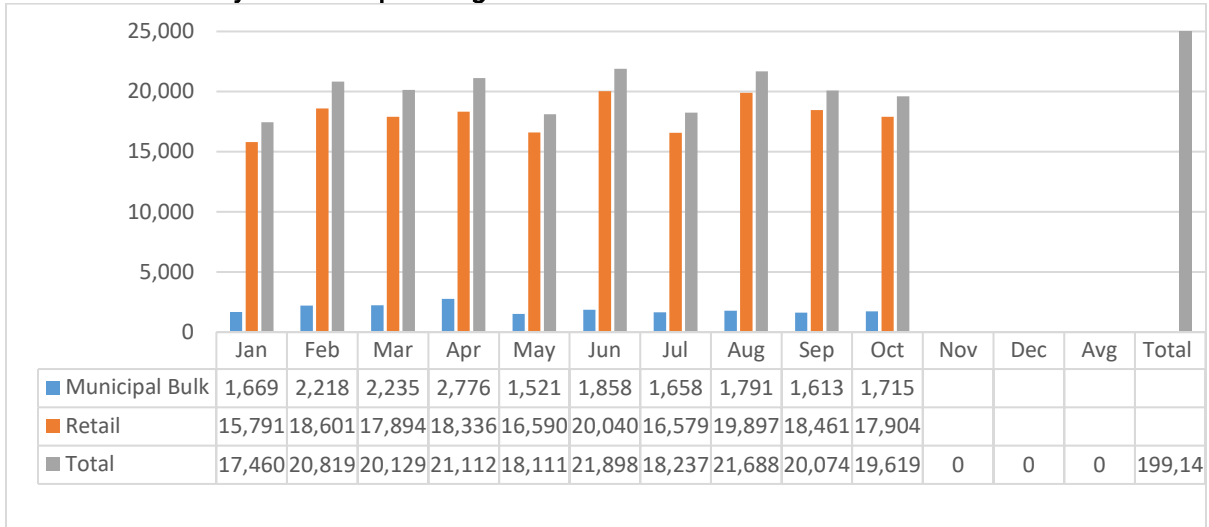


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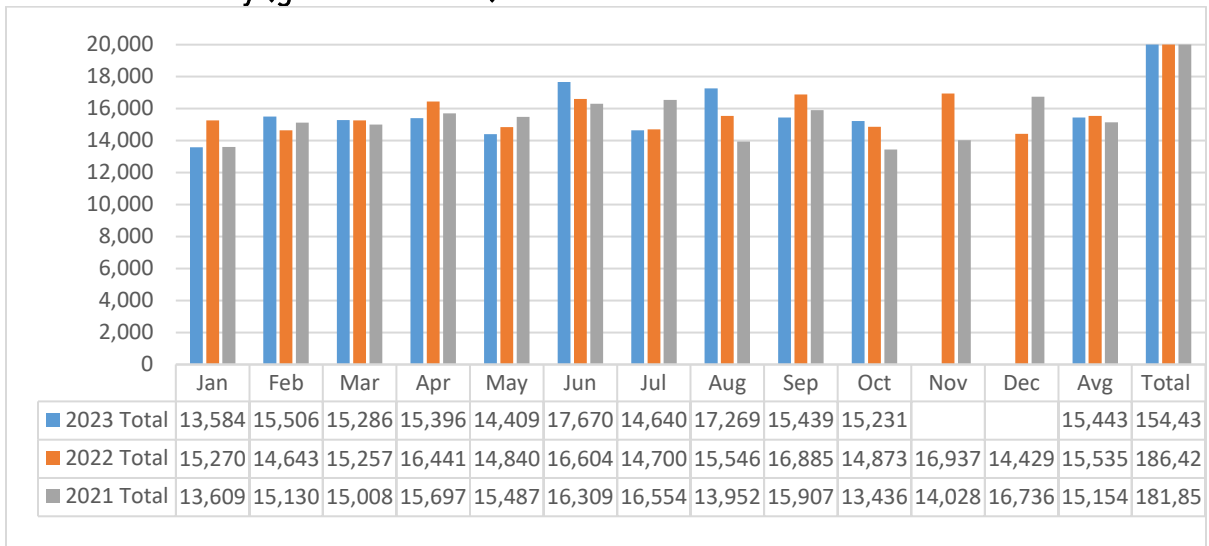
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Water Sales - Monthly Consumption (gallons X 1000)



Sewer Sales - Monthly (gallons X 1000)



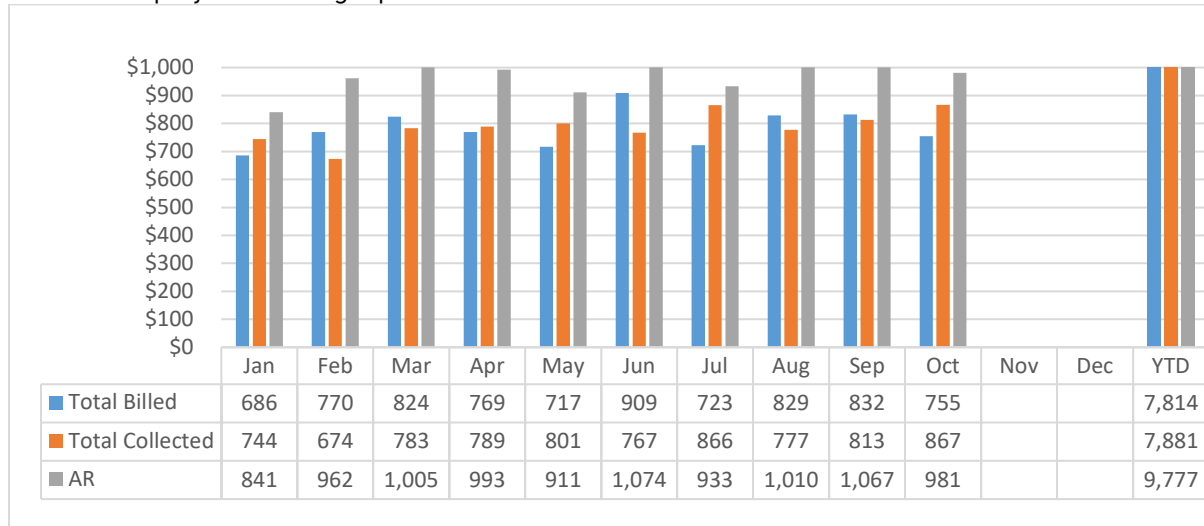
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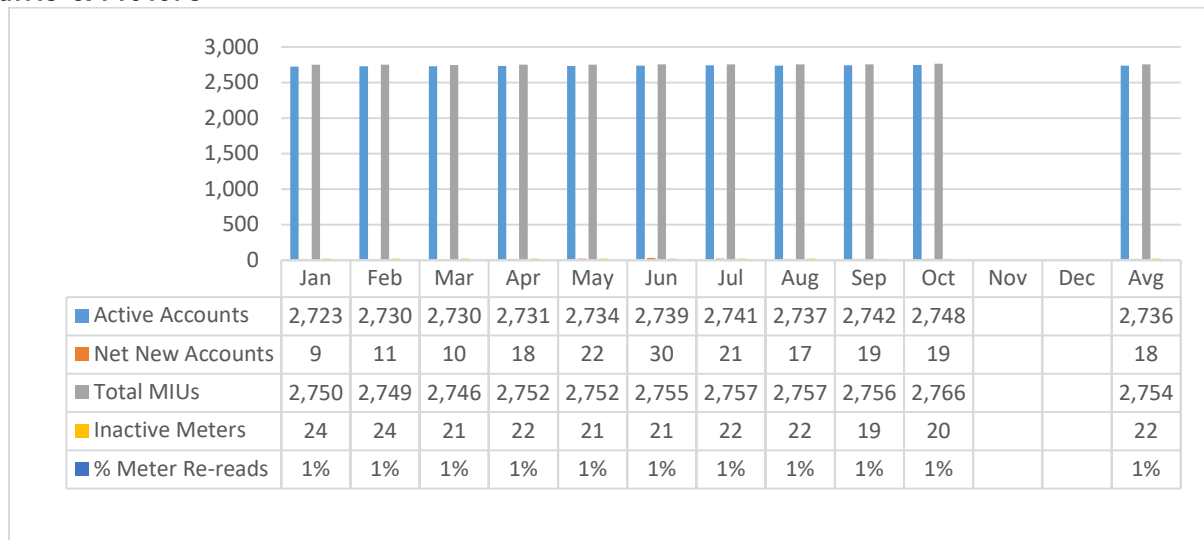


Collections (dollars X 1000)

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



Accounts & Meters

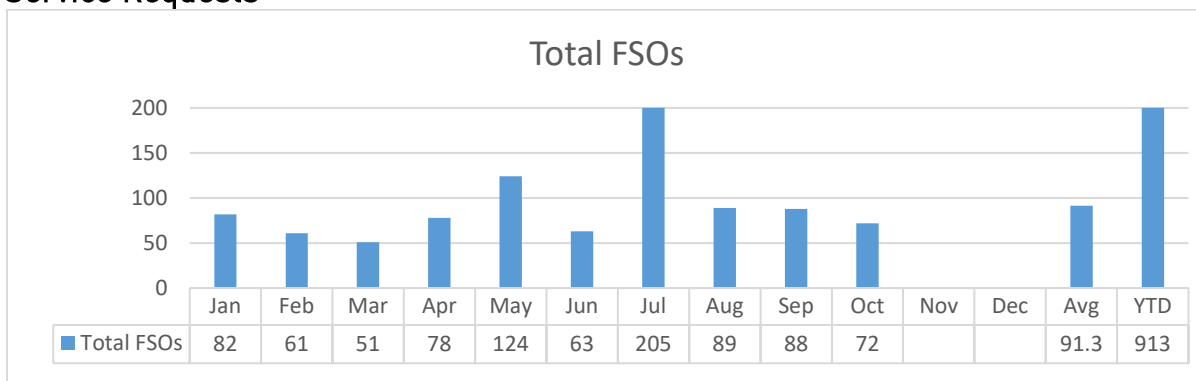


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Field Service Requests



Service Disruptions

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

Service Disruptions Summary

Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Planned	0	0	0	0	0	0	0	0	0	1			0	0	0	1	1
Unplanned	0	0	0	0	0	0	0	0	0	0			0	0	0	0	0
2023 Total	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1

Water Quality

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

Water Quality Complaints Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Taste and Odor	0	0	0	0	0	0	0	0	1	0			0	0	1	0	1
Discolored	0	1	0	0	0	0	0	0	0	0			1	0	0	0	1
Boil Water Notices	0	0	0	0	0	0	0	0	0	1			0	0	0	1	1
2023	0	1	0	0	0	0	0	0	1	1	0	0	1	0	1	1	3

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

The boil water advisory was issued when the contractor installing water mains in Woodland Hills connected a new main to an existing stick without a valve. The boil water advisory involved three houses.

Sewer and Collection Issues

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

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Sewer Quality Complaints Summary

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Back-up / Blockage	0	1	0	0	0	0	0	1	1	0			1	0	2	0	3
Odor	0	0	0	0	0	0	0	0	1	0			1	0	1	0	1
2023 TOTAL	0	1	0	0	0	0	0	1	2	0	0	0	2	0	3	0	4
2022 TOTAL	0	0	0	0	0	0	0	4	2	1	2	1	0	0	6	4	10

Home Serve USA

Partner Reporting Dashboard

[Back to Partner Select Page](#)
SUEZ (Middletown)

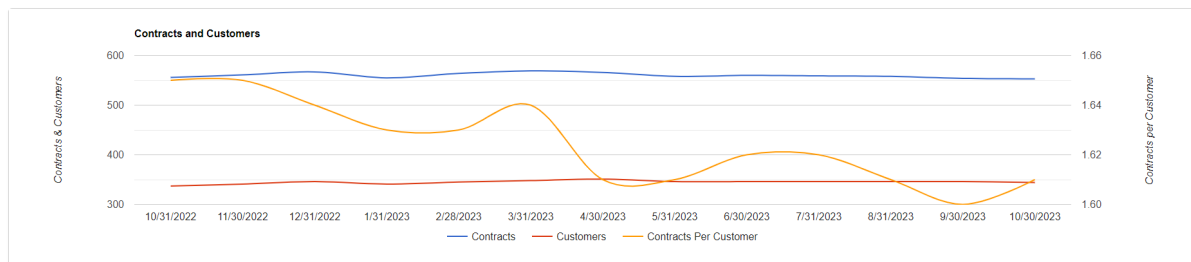
Date Start

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.

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Water Sales Test Period

Water Sales Test Period No. 3 1/1/2021 to 12/31/2023	Calendar Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	
														Total	Avg
Total consumption for the month (gallons)	2021	16,984,200	19,701,800	19,964,700	20,521,000	20,409,700	20,950,100	20,557,500	17,545,400	20,495,500	17,656,500	18,017,900	21,191,200	233,995,500	19,499,625
	2022	19,111,100	18,317,500	19,119,800	20,815,300	18,711,600	20,471,200	18,402,600	19,375,800	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	19,618,800			199,148,700	19,914,870
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	17,904,300			180,094,700	18,009,470
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	577,558			5,934,909	593,491
Avg retail water sales (gal)		522,030	628,220	567,894	616,230	555,356	633,251	562,604	576,011	634,743	553,084	605,698	580,971	6,640,536	586,350
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	1,714,500			19,038,400	1,903,840
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	55,306			628,507	62,851
Avg Bulk Customer sales (gal)		53,847	72,231	68,818	77,633	60,057	70,126	52,419	54,200	55,011	50,689	55,557	57,326	690,287	61,016
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) =															586,350
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

OCTOBER 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

OCTOBER 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 weather dependent.

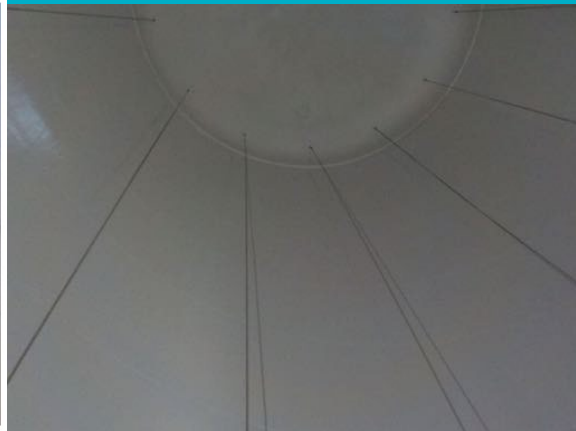
As previously discussed during the monthly operations meetings and included in the DRAFT Capital Improvement Plan submitted on March 12, 2020, The Concessionaire is planning the rehabilitation of the three (3) water storage tanks in the water system. The design documents were completed (by the Veolia 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. The blasting and painting concluded in October. The tank will be disinfected and filled in November and regulatory testing will take place. Once the sample results are received they will be submitted to PA DEP for an operational permit to be issued at which point the tank will be returned to service. Photos of the inside and outside of the Turnpike Tank are included below.



High Street tank exterior before and after blasting and painting.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT

OCTOBER 2023



High Street tank interior before and after interior blasting and painting.



Turnpike tank exterior before and after exterior blasting and painting.



Turnpike tank interior before and after interior blasting and painting.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT OCTOBER 2023



Capital Improvement Plan

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

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

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

MAJOR CAPITAL IMPROVEMENTS	2022 *	2023 *	2024 *	2025 *	2026 *	2027 *
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		\$ 955,338				
Headworks Upgrade (bar screen, pump, wiring, etc.)		\$ 876,300	\$ -	\$ -	\$ -	\$ -
Contingency (5%)		\$ 174,973	\$ 350,544	\$ 125,690	\$ 125,690	\$ 125,690
TOTAL MAJOR PROJECTS	\$ 3,199,263	\$ 6,907,743	\$ 7,361,428	\$ 2,639,484	\$ 2,639,484	\$ 2,639,484

REGULATORY COMPLIANCE

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

NOTES:

* All costs are in 2023

** Consumer Price Index rate of 6.1% (as of February 2023) is applied to the "Proposed Yearly Budget for Base Capital Projects" based on the Concessionaire 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	1			1
Concessionaire Notifications	0	0	0	0	0	0	0	0	0	0			0
Incident Email Notifications	0	0	0	0	0	0	0	0	0	0			0
Environmental Incidents –Hotline notifications	0	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			0
Non-compliance – violations	0	0	0	0	0	0	0	0	0	0			0
Reporting non-compliance	0	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			0
Total days lost	0	0	0	0	0	0	0	0	0	0			0
Safety related incidents – Preventable	0	0	0	0	0	0	0	0	0	0			0
Safety related – Near Miss	0	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	29			241

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



November 30, 2023

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

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

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

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

RE: Transmittal of Veolia Middletown Operations Report October 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

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



November 30, 2023

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john.joyner@wcpartnersllc.com

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

RE: Laboratory Supervisor Certification – October 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



November 30, 2023

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

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Mr. John Joyner
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john.joyner@wcpartnersllc.com

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

RE: Environmental Laws Certification- October 2023

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

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

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

Kodi Webb
Project Manager
Veolia Middletown

MIDDLETOWN MONTHLY REPORT

APPENDIX 1 WASTEWATER

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

&

SMARTCOVER® MONITORING SYSTEM REPORT

Your eDMR Report Has Been Received For Permit No. PA0020664

1 message

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

Mon, Nov 27, 2023 at 9:08 PM

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: 10/01/2023-10/31/2023
Report Due Date: 11/28/2023

Submitted By: Kodi Webb
Submission Id: 426294
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: 10/01/2023

DMR Effective To: 10/31/2023

Permit Expires: 02/28/2026

Permit Application Due: 09/01/2025

No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	10	01	TO	2023	10	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	7.51	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	7.4	***	7.9	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	< 14	< 17	lbs/day	***	< 2.0	3.0	mg/L	2/week	24-Hr Composite
	Permit Requirement	550 Avg Mo	826 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		2/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 4.47	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	.96	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	1.41	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	< 3.06	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	2	***	lbs/day	***	.24	***	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	1.028	1.782	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.50	1.10	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 1090.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	212.3	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	322.9	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 766.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	49	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 3	18	No./100 ml	2/week	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 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	< 16	< 18	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: 10/01/2023
DMR Effective To: 10/31/2023
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	10	01	TO	2023	10	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 1090.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	49	***	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: 10/01/2023
DMR Effective To: 10/31/2023
Permit Expires: 02/28/2026
Permit Application Due: 09/01/2025
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	10	01	TO	2023	10	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	990	1619	lbs/day	***	124	***	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	663	1096	lbs/day	***	83	***	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
2024 Annual_Chesapeake_Bay_Spreadsheet_v2.2 .xlsm	Annual Chesapeake Bay Spreadsheet	2023-11-22T14:09:13-05:00	
10-23 Biosolids.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-11-20T11:14:43-05:00	Oct biosolids
10-23 Effluent Supplemental.xlsx	Daily Effluent Monitoring Form	2023-11-20T11:15:40-05:00	Oct Effluent Supplemental
10-23 Influent Supplemental.xls	Influent and Process Control Form	2023-11-20T13:00:05-05:00	Oct Influent Supplemental

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	11	27
			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: October Year: 2023
NPDES Permit No.: PA0020664
Renewal application due 180 days prior to expiration.
This permit will expire on: February 28, 2026

Day	Influent					Process Control				
	Flow (MGD)	BOD ₅ (mg/l)	BOD ₅ (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	0.980							18,000.0		
2	0.527	132.0	580	72.0	316	4,625.0		20,000.0		
3	0.851	91.3	648	68.0	483	3,297.0		20,000.0		
4	1.502					3,332.0		20,000.0		
5	0.945					4,894.0		25,000.0		
6	0.981					4,974.0		20,000.0		
7	1.091							20,000.0		
8	1.006							20,000.0		
9	0.999	184.0	1,533	124.0	1,033	4,868.0		20,000.0		
10	1.002	78.5	656	62.0	518	4,921.0		20,000.0		
11	0.972					5,092.0		25,000.0		
12	0.951					5,159.0		26,000.0		
13	0.893					4,767.0		20,000.0		
14	1.782							20,000.0		
15	1.322							20,000.0		
16	1.088	70.2	637	70.0	635	2,148.0		40,000.0		
17	1.021	114.0	971	90.0	766	4,815.0		20,000.0		
18	1.010					4,742.0		20,000.0		
19	1.042					4,713.0		15,000.0		
20	1.067					4,935.0		18,000.0		
21	0.982							18,000.0		
22	0.995							18,000.0		
23	0.979	156.0	1,274	92.0	751	4,645.0		15,000.0		
24	0.994	78.1	647	43.0	356	4,891.0		20,000.0		
25	0.969					4,397.0		18,000.0		
26	0.939					5,286.0		22,000.0		
27	0.953					5,155.0		25,000.0		
28	0.886							22,000.0		
29	1.022							22,000.0		
30	1.154	139.0	1,338	70.0	674	4,472.0		20,000.0		
31	0.966	201.0	1,619	136.0	1,096	4,753.0		20,000.0		
Avg	1.028	124	990	83	663	4,586		20,871		
Max	1.782	201	1,619	136	1,096	5,286		40,000		

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

Prepared By: Kodi Webb
Title: Project Manager

License No.: 23501
Date: 11/14/2023

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Avg	1.028		0.24		1.6		0.96		6.8		1.41		10.4	<	3.06	<	24.7	<	4.47	<	35.2
Annual Total Mass Loads (lbs):					577				2500				3802			<	9022		<	12839	

P Credits Generated: 795

N Credits Generated: 3511

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: 11/15/2023

Monthly Statistics

Monthly Total Mass Loads (lbs)					
<u>Month</u>	<u>Total Phosphorus (TP)</u>	<u>NH₃-N</u>	<u>TKN</u>	<u>NO₂+NO₃ as N</u>	<u>Total Nitrogen (TN)</u>
October	49	212.3	322.9	< 766.2	< 1090.4
November					
December					

January
February
March
April
May
June
July
August
September

Average Monthly Concentrations (mg/L)

<u>Month</u>	<u>Total Phosphorus (TP)</u>	<u>NH₃-N</u>	<u>TKN</u>	<u>NO₂+NO₃ as N</u>	<u>Total Nitrogen (TN)</u>
October	0.24	0.96	1.41	< 3.06	< 4.47
November					
December					
January					
February					
March					
April					
May					
June					
July					
August					
September					

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

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

TOTAL:

Site Name	Marvin Weaver Cedar Rd Farm			
Municipality	Conewago Township			
County	Dauphin County			
DEP Permit No.	PAG07-3504			
Type of Material*	Biosolids			
Dry Tons Applied/Disposed	8.97			
Type of Disposal/Use*	Agricultural Utilization			
Hauler Name	BORO. MIDDLETOWN			

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

License No.: 23501
Date: November 16, 2023

VEOLIA Middletown WWTP

October, 2023

DATE	EFF	M.J. Reider Composite Sample Test Results																				
	FLOW	BOD		CBOD		%Remov	SUSPENDED SOLIDS				%Remov	TP		FEC.	NH3		NO2-NO3		TKN		TN	
	MGD	INFLUENT		EFFLUENT			INFLUENT		EFFLUENT			EFFLUENT	COLIF.	EFFLUENT		EFFLUENT		EFFLUENT		EFFLUENT		
		mg/L	LBS.	mg/L	LBS.		mg/L	LBS.	mg/L	LBS.		mg/L	LBS.	/100ml	mg/L	LBS.	mg/L	LBS.	mg/L	LBS.	mg/L	LBS.
01	0.980																					
02	0.527	132	580	<2.0	<8.78	98.5	72	316	4.0	17.56	94.4	1.10	4.83		2.73	11.99	1.6	6.81	3.4	14.75	4.91	21.6
03	0.851	91	648	<2.0	<14.20	97.8	68	483	2.0	14.20	97.1	0.34	2.41	<2	1.60	11.36	6.7	47.78	2.0	14.48	8.77	62.3
04	1.502													3								
05	0.945																					
06	0.981																					
07	1.091																					
08	1.006																					
09	0.999	184	1,533	<2.0	<16.67	98.9	124	1,033	3.0	25.00	97.6	0.10	0.83		1.80	15.00	<1.4	<11.50	2.3	19.17	<3.68	<30.7
10	1.002	79	656	<2.0	<16.71	97.5	62	518	<1.0	8.36	98.4	0.09	0.75	<2	1.24	10.36	1.8	14.87	1.6	12.95	3.33	27.8
11	0.972													<2								
12	0.951																					
13	0.893																					
14	1.782																					
15	1.322																					
16	1.088	70	637	<2.0	<18.14	97.2	70	635	2.0	18.14	97.1	0.41	3.72		0.66	5.99	5.3	48.17	1.2	10.52	6.47	58.7
17	1.021	114	971	2.2	18.74	98.1	90	766	<1.0	8.52	98.9	0.09	0.77	<2	0.32	2.73	2.3	19.67	0.8	6.39	3.06	26.1
18	1.010													<2								
19	1.042																					
20	1.067																					
21	0.982																					
22	0.995																					
23	0.979	156	1,274	2.3	18.78	98.5	92	751	<1.0	8.17	98.9	0.08	0.65		0.61	4.98	1.6	13.31	0.6	4.57	2.19	17.9
24	0.994	78	647	2.1	17.41	97.3	43	356	2.0	16.58	95.3	0.07	0.58	18	0.09	0.75	3.3	27.69	0.7	5.39	3.99	33.1
25	0.969													<2								
26	0.939																					
27	0.953																					
28	0.886																					
29	1.022																					
30	1.154	139	1,337	<2.0	<19.24	98.6	70	673	2.0	19.24	97.1	0.08	0.77		0.52	5.00	3.0	29.25	1.1	10.77	4.16	40.0
31	0.966	201	1,619	<2.0	<16.11	99.0	136	1,096	<1.0	8.06	99.3	0.06	0.48	<2	0.04	0.32	3.5	28.12	0.6	5.16	4.13	33.3

REVISED 9/18/15 M

VEOLIA Middletown WWTP

Daily Effluent Grab Monitoring / Weather

October

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	CH	0629	0629	7.60	7.60	0.00	7.80	7.80	0.00	0.41	.46	-11.49	22.3		OX DITCH 2 O/S
02	AB	0730	0730	7.70	7.70	0.00	7.94	7.93	0.13	0.41	.41	.00	22.5	518.00	OX DITCH 2 O/S STARTED FILLING
03	AB	0755	0755	7.70	7.60	1.31	7.88	7.88	0.00	0.94	.95	-1.06	22.2	690.00	OX DITCH 2 O/S FILLING
04	AB	0820	0820	7.70	7.70	0.00	8.01	8.02	-0.12	0.44	.46	-4.44	22.8	906.00	LING OX DITCH 2 DRAINING OX DITCH 1
05	AB	0750	0750	7.70	7.80	-1.29	7.72	7.77	-0.65	0.36	.35	2.82	22.8	653.00	OX DITCH 1 O/S
06	MB	1003	1003	7.70	7.70	0.00	7.51	7.51	0.00	0.49	.50	-2.02	22.3	633.00	OX DITCH 1 O/S
07	TH	0750	0750	7.70	7.70	0.00	7.72	7.66	0.78	0.78	.82	-5.00	21.7		OX DITCH 1 O/S
08	MB	1142	1142	7.70	7.80	-1.29	7.98	7.94	0.50	0.56	.54	3.64	21.0		OX DITCH 1 O/S
09	MB	0809	0809	7.90	7.80	1.27	7.88	7.84	0.51	0.45	.44	2.25	19.9	561.00	OX DITCH 1 O/S
10	AB	0750	0750	7.70	7.70	0.00	8.03	8.04	-0.12	0.66	.67	-1.50	19.6	639.00	OX DITCH 1 O/S
11	AB	0825	0825	7.70	7.70	0.00	8.04	8.02	0.25	0.66	.65	1.53	20.5		OX DITCH 1 O/S
12	AB	0835	0835	7.60	7.70	-1.31	8.03	8.00	0.37	0.64	.62	3.17	20.5	357.00	OX DITCH 1 O/S
13	AB	0815	0815	7.70	7.70	0.00	7.97	7.98	-0.13	0.78	.75	3.92	21.1	585.00	OX DITCH 1 O/S
14	CH	0639	0639	7.60	7.60	0.00	7.70	7.70	0.00	1.10	1.05	4.65	20.9		OX DITCH 1 O/S
15	AB	1030	1030	7.70	7.60	1.31	7.89	7.91	-0.25	0.68	.69	-1.46	20.1		OX DITCH 1 O/S
16	AB	0900	0900	7.70	7.70	0.00	8.06	8.07	-0.12	0.66	.67	-1.50	19.9	572.00	OX DITCH 1 O/S
17	AB	0955	0955	7.60	7.70	-1.31	8.30	8.31	-0.12	0.69	.69	.00	19.7	501.00	OX DITCH 1 O/S
18	AB	0945	0945	7.80	7.70	1.29	8.33	8.36	-0.36	0.44	.44	.00	20.0	555.00	OX DITCH 1 O/S
19	AB	1100	1100	7.60	7.60	0.00	8.11	8.13	-0.25	0.44	.45	-2.25	19.9	664.00	OX DITCH 1 O/S
20	AB	1100	1100	7.60	7.70	-1.31	8.13	8.14	-0.12	0.48	.49	-2.06	19.8	425.00	OX DITCH 1 O/S
21	TH	0850	0850	7.70	7.70	0.00	7.85	7.80	0.64	0.87	.86	1.16	20.9		OX DITCH 1 O/S
22	AB	1045	1045	7.70	7.70	0.00	8.20	8.21	-0.12	0.67	.67	.00	19.0		OX DITCH 1 O/S
23	AB	0915	0915	7.80	7.70	1.29	8.27	8.26	0.12	0.42	.41	2.41	19.3	618.00	OX DITCH 1 O/S
24	AB	0700	0700	7.70	7.80	-1.29	8.21	8.18	0.37	0.16	.18	-11.76	19.5	664.00	OX DITCH 1 O/S
25	AB	0758	0758	7.70	7.70	0.00	8.37	8.39	-0.24	0.27	.28	-3.64	19.1	335.00	OX DITCH 1 O/S
26	MB	0827	0827	7.60	7.70	-1.31	8.09	8.04	0.62	0.20	.23	-13.95	20.3	700.00	OX DITCH 1 O/S
27	MB	0727	0727	7.70	7.70	0.00	8.03	8.01	0.25	0.22	.23	-4.44	21		OX DITCH 1 O/S
28	MB	1133	1133	7.70	7.70	0.00	8.11	8.07	0.49	0.19	.16	17.14	24.6		OX DITCH 1 O/S
29	AB	1130	1130	7.60	7.70	-1.31	8.11	8.13	-0.25	0.22	.22	.00	23.8		OX DITCH 1 O/S
30	MB	0753	0753	7.40	7.40	0.00	7.75	7.76	-0.13	0.19	.17	11.11	21.8	507.00	OX DITCH 1 O/S
31	MB	0912	0912	7.70	7.70	0.00	8.21	8.19	0.24	0.24	.26	-8.00	19.6	499.00	OX DITCH 1 O/S

VEOLIA Middletown WWTP

Process Control

October

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						18,000									
02	4,625	28,156	3,119	67.4	8,081	20,000	1,348	14.09	5.48	0.10	830	460	99		
03	3,297	20,075	2,088	63.3	5,597	20,000	934	13.62	5.95	0.11	550	300	91		
04	3,332	20,283	2,149	64.5	5,717	20,000	954	13.72	5.89	0.22	500	280	84		
05	4,894	29,795	3,263	66.7	9,545	25,000	1,990	12.48	6.11	0.19	860	500	102		
06	4,974	30,280	3,386	68.1	9,073	20,000	1,513	13.62	5.19	0.11	890	540	109		
07						20,000									
08						20,000									
09	4,868	29,638	3,408	70.0	8,867	20,000	1,479	14.03	4.60	0.10	920	570	117		
10	4,921	29,959	3,423	69.6	8,214	20,000	1,370	15.21	4.66	0.11	910	570	116	36	31
11	5,092	31,000	3,501	68.8	8,883	25,000	1,852	11.51	4.44	0.07	900	550	108	27	27
12	5,159	31,412	3,715	72.0	8,606	26,000	1,866	12.12	3.94	0.06	910	550	107	24	12
13	4,767	29,021	3,859	81.0	8,538	20,000	1,424	16.50	4.37	0.09	900	550	115	18	14
14						20,000									
15						20,000								18	12
16	2,148	13,080	1,182	55.0	25,606	40,000	8,542	0.84	5.18	0.39	370	200	93		
17	4,815	29,314	3,317	68.9	8,612	20,000	1,436	14.06	4.70	0.10	870	500	104	37	37
18	4,742	28,873	3,640	76.8	9,173	20,000	1,530	14.48	3.99	0.10	900	510	108		
19	4,713	28,693	3,288	69.8	8,846	15,000	1,107	18.09	4.01	0.13	880	520	110		
20	4,935	30,045	3,477	70.5	9,150	18,000	1,374	15.41	4.47	0.08	870	540	109		
21						18,000									
22						18,000								24	24
23	4,645	28,277	3,456	74.4	9,004	15,000	1,126	18.68	4.29	0.15	900	560	121	24	28
24	4,891	29,780	3,526	72.1	8,403	20,000	1,402	15.32	4.24	0.11	930	600	123	24	28
25	4,397	26,772	3,157	71.8	8,104	18,000	1,217	15.80	5.00	0.07	900	590	134	16	12
26	5,286	32,183	3,660	69.2	9,174	22,000	1,683	13.24	4.54	0.11	940	620	117	30	24
27	5,155	31,382	3,510	68.1	8,502	25,000	1,773	13.70	5.81	0.09	950	620	120	27	20
28														42	30
29														24	22
30	4,472	27,229	3,253	72.7	10,297	20,000	1,718	11.53	5.52	0.10	970	620	139	28	20
31	4,753	28,936	3,380	71.1	7,955	20,000	1,327	15.51	5.02	0.10	960	640	135	30	30
AVG	4,586	27,917	3,216	69.6	9,270	20,793	1,771	13.8	4.88	0.12	846	518	112	27	23

PA MIDDLETOWN WWTP

THICKENER MONTHLY REPORT

October

2023

DATE	RUN	FEED SLUDGE			DISCHARGE SLUDGE			POLYMER
	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01								
02								
03								
04								
05								
06								
07								
08								
09								
10	4.50	51,232	1.04	4,444	8,415	4.40	3,088	4
11	4.00	50,159	1.02	4,267	8,415	4.31	3,025	5
12	5.50	60,497	0.99	4,995	11,781	3.85	3,783	6
13								
14								
15								
16	3.50	48,953	1.14	4,654	13,464	3.75	4,211	6
17								
18								
19	4.50	63,061	1.01	5,312	11,781	4.11	4,038	7
20	6.50	87,596	1.04	7,598	15,147	5.24	6,619	8
21								
22								
23								
24	5.00	65,314	0.99	5,393	11,781	4.56	4,382	7
25								
26								
27								
28								
29								
30								
31								
TOTAL	34	426,812	7.23	36,663	80,784	30.22	29,146	43

REVISED 7/17/14

Date	Operator	Thickener			ATAD Level			ATAD Feed			ATAD		Minimum Till Transfer		ATAD to SNDR																	
		End of feed		Disch. (ATAD Feed)		After			Gallons	TS	VS	End of feed			Date	Start		Gallons														
		Temp.	Feed	TS	VS	VS	Start	Trans.				Feed				Avg	Time		Time	Temp.												
																					° F	Gals.	mg/L	mg/L	%	Ft	Ft	Ft	°F	24 HR	Hours	Date/Time
													° F	Gals.																		
		° F	Gals.	mg/L	mg/L	%	Ft	Ft	Ft	Lbs.	Lbs.	°F			24 HR	Hours	Date/Time	Time	Temp.													
10/01/23							8.6	8.5	8.5								10/1/23	6:28	131.6	6,316												
10/02/23																																
10/03/23																																
10/04/23																																
10/05/23																																
10/06/23																																
10/07/23																																
10/08/23																																
10/09/23																																
10/10/23	MB	125.0	51,233	44,037	31,284	71.0	8.5	9.0	9.0	8,415	3,091	2,196	126.9	13:00	50.0	10/12/23 14:57																
10/11/23	MB	122.9	50,159	43,068	30,708	71.3	9.0	9.5	9.5	8,415	3,023	2,155	126.9	11:30	50.0	10/13/23 13:27																
10/12/23	mb	122.8	60,497	38,536	28,108	72.9	9.5	10.2	10.2	11,781	3,786	2,762	126.9	14:00	50.0	10/14/23 15:57																
10/13/23																																
10/14/23																																
10/15/23																																
10/16/23	MB	123.6	48,953	37,500	28,153	75.1	10.2	8.5	9.3	13,464	4,211	3,161	127.4	14:00	45.7	10/18/23 11:41	10/16/23	7:30	128.5	28,585												
10/17/23																																
10/18/23																																
10/19/23	MB	125.8	63,061	41,131	30,313	73.7	9.3	8.6	9.3	11,781	4,041	2,978	129.2	14:00	33.1	10/20/23 23:05	10/19/23	7:21	129.6	12,248												
10/20/23	CK	124.6	87,596	52,429	38,802	74.0	9.3	10.2	10.2	15,147	6,623	4,902	129.2		33.1																	
10/21/23																																
10/22/23																																
10/23/23							10.2	10.2	8.1								10/23/23	6:28	133.1	14,066												
10/24/23	AB	129.1	65,314	45,559	33,922	74.5	8.1	8.8	8.8	11,781	4,476	3,333	132.6	13:45	18.0	10/25/23 7:45																
10/25/23																																
10/26/23																																
10/27/23	AB	131.1	53,201	41,963	31,3																											

2023

Veolia Middletown WWTP

October

2023

[illegible]

VEOLIA Middletown WWTP

Centrifuge Monthly Report

October

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													
07													
08													
09													
10													
11													
12													
13	3.00	12,994	2.63	2,850	1.43	28.9	352	247	12	48	5.9	8.0	
14													
15													
16													
17													
18	5.50	27,489	2.65	6,075	3.04	30.1	304	100	22	97	6.6	8.0	
19													
20													
21													
22													
23													
24													
25	5.00	24,198	2.56	5,166	2.58	32.7	326	126	19	100	6.8	9.0	
26	3.50	17,264	2.67	3,844	1.92	32.4	306	159	14	48	6.4	9.0	
27													
28													
29													
30													
31													

PA MIDDLETOWN WWTP

October, 2023

BIOSOLIDS INVENTORY

DATE	DRY TONS		TO	USE	TOTAL ON SITE
	PROCESSED	DELIVERED			
10/01/23					
10/02/23					
10/03/23					
10/04/23					
10/05/23					
10/06/23					
10/07/23					
10/08/23					
10/09/23					
10/10/23					
10/11/23					
10/12/23					
10/13/23	1.43			Agriculture	1.43
10/14/23					
10/15/23					
10/16/23					
10/17/23		1.43	Amerigreen	Agriculture	0.00
10/18/23	3.04			Agriculture	3.04
10/19/23		3.04	Amerigreen	Agriculture	0.00
10/20/23					
10/21/23					
10/22/23					
10/23/23					
10/24/23					
10/25/23	2.58	2.58	Amerigreen	Agriculture	0.00
10/26/23	1.92	1.92	Amerigreen	Agriculture	0.00
10/27/23					
10/28/23					
10/29/23					
10/30/23					
10/31/23					
Total Tons	8.97	8.97		Total Tons	0.00
Metric Tons	8.14	8.14		Metric Tons	0.00

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	8.97	8.97	8.14	8.14
Nov, 2023				
Dec, 2023				
Total	124.05	124.05	112.54	112.54
Average	12.41	12.41	11.25	11.25
Maximum	16.91	16.91	15.34	15.34
Minimum	8.97	8.97	8.14	8.14

PA MIDDLETOWN WWTP

BIOSOLIDS VOLATILE REDUCTION

MONTH October

YEAR 2023

DAY	THICKENER DISCHARGE			SNDR			%
	TS	TVS	VS	TS	TVS	VS	VOL.
	mg/L		%	mg/L		%	REDUCT.
01							
02							
03							
04							
05							
06							
07							
08							
09							
10							
11	48,000	35,040	73	26,500	14,700	55	58.0
12							
13							
14							
15							
16							
17							
18							
19							
20							
21							
22							
23							
24							
25							
26							
27							
28							
29							
30	39,000	29,679	76	26,200	14,200	54	52.2
31							
AVG	43500.00	32359.50	74.55	26350.00	14450.00	54.84	

% SOLIDS REDUCTION	39.43			55.35	%
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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
10/11/23	48,000	35,040	73.0	26,500	14,700	55.0	58.0
10/30/23	39,000	29,679	76.0	26,200	14,200	54.0	52.2
AVG	54,000	40,100	74.3	26,356	14,622	55.5	
Avg. % TS Reduction		51.2	Avg. Mass Balance % VS Reduction				63.5

**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	31.871	1.028	10/14/2023	1.782	10/2/2023	0.527	124	2	33,068	548	32,521	98.1	0.24	64	18
November															
December															
Total	332.698								466,769	5,938	460,874			968	
Average	33.270	1.095		2.141		11.863	159	2	46,677	594	46,087	98.2	0.37	97	
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	83	2	21,982	505	21,447	97.4	0.96	255	1.4	376	3.06	812	4.47	1,188	<3
November															
December															
Total			394,307	6,482	387,791			415	9	2,423		12,291		14,703	
Average	131.6	2.4	39,431	648	38,779	96.6	0.15	42	1	242	4.37	1,229	5.23	1,470	
Maximum	475.0	3.0	171,377	1,119	170,258	98.3	0.96	255	1	376	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.: 2337238

Report: 10/10/23

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: 2337238-01 **Collected By:** Client **Sampled:** 10/03/23 07:38 **Received:** 10/03/23 14:10
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	132	mg/l	2.0	SM 5210 B	10/04/23 11:49		INW
Solids, Total Suspended	72	mg/l	1	SM 2540 D	10/04/23		ALD

Lab ID: 2337238-02 **Collected By:** Client **Sampled:** 10/03/23 07:55 **Received:** 10/03/23 14:10
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	2.73	mg/l	0.02	EPA 350.1 Rev 2.0	10/04/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	10/04/23 13:54		RXN
Nitrate as N	1.34	mg/l	1.00	EPA 300.0 Rev 2.1	10/03/23 21:56		KCS
Nitrite as N	0.21	mg/l	0.10	EPA 300.0 Rev 2.1	10/03/23 21:56		KCS
Nitrate+Nitrite as N	1.55	mg/l	1.10	CALCULATED	10/03/23 21:56		KCS
Nitrogen, Total	4.91	mg/l	1.60	CALCULATED	10/06/23 17:40		SNF
Nitrogen, Total Kjeldahl (TKN)	3.36	mg/l	0.50	EPA 351.2 Rev 2.0	10/06/23		SNF
Phosphorus as P, Total	1.10	mg/l	0.01	SM 4500-P F	10/04/23		JMW
Solids, Total Suspended	4	mg/l	1	SM 2540 D	10/05/23		ALD

Lab ID: 2337238-03 **Collected By:** Client **Sampled:** 10/03/23 10:30 **Received:** 10/03/23 14:10
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	10/3/23 16:18	10/4/23 15:05		RMB



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

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

M.J. Reider Associates, Inc.

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2337238-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3J0271	10/04/2023	SNF





M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2338797

Report: 10/11/23

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: 2338797-01 **Collected By:** Client **Sampled:** 10/04/23 07:50 **Received:** 10/04/23 14:30
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	91.3	mg/l	2.0	SM 5210 B	10/05/23 14:05	B-04	INW
Solids, Total Suspended	68	mg/l	1	SM 2540 D	10/05/23		ALD

Lab ID: 2338797-02 **Collected By:** Client **Sampled:** 10/04/23 08:20 **Received:** 10/04/23 14:30
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	1.60	mg/l	0.02	EPA 350.1 Rev 2.0	10/05/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	10/05/23 10:31		KMS
Nitrate as N	6.40	mg/l	1.00	EPA 300.0 Rev 2.1	10/04/23 21:25		KCS
Nitrite as N	0.33	mg/l	0.10	EPA 300.0 Rev 2.1	10/04/23 21:25		KCS
Nitrate+Nitrite as N	6.73	mg/l	1.10	CALCULATED	10/04/23 21:25		KCS
Nitrogen, Total	8.77	mg/l	1.60	CALCULATED	10/06/23 21:47		SNF
Nitrogen, Total Kjeldahl (TKN)	2.04	mg/l	0.50	EPA 351.2 Rev 2.0	10/06/23		SNF
Phosphorus as P, Total	0.34	mg/l	0.01	SM 4500-P F	10/05/23		JMW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	10/05/23		ALD

Lab ID: 2338797-03 **Collected By:** Client **Sampled:** 10/04/23 10:35 **Received:** 10/04/23 14:30
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	3	/100ml	2	SM 9222 D	10/4/23 16:19	10/5/23 14:49		RMB



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Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2338797-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3J0287	10/04/2023	SNF

Notes and Definitions

B-04 The difference between the highest and lowest results were greater than 30%.



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

Certificate of Analysis

Laboratory No.: 2339843

Report: 10/19/23

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: 2339843-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 10/10/23 07:38 **Received:** 10/10/23 14:02
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	184	mg/l	2.0	SM 5210 B	10/11/23 11:01		INW
Solids, Total Suspended	124	mg/l	1	SM 2540 D	10/11/23		ALD

Lab ID: 2339843-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 10/10/23 07:50 **Received:** 10/10/23 14:02
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	1.80	mg/l	0.02	EPA 350.1 Rev 2.0	10/11/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	10/11/23 13:06		RXN
Nitrate as N	<1.00	mg/l	1.00	EPA 300.0 Rev 2.1	10/10/23 15:03		KCS
Nitrite as N	0.38	mg/l	0.10	EPA 300.0 Rev 2.1	10/10/23 15:03		KCS
Nitrate+Nitrite as N	<1.38	mg/l	1.10	CALCULATED	10/10/23 15:03		KCS
Nitrogen, Total	<3.68	mg/l	1.60	CALCULATED	10/13/23 16:18		SNF
Nitrogen, Total Kjeldahl (TKN)	2.30	mg/l	0.50	EPA 351.2 Rev 2.0	10/13/23		SNF
Phosphorus as P, Total	0.10	mg/l	0.01	SM 4500-P F	10/11/23		JMW
Solids, Total Suspended	3	mg/l	1	SM 2540 D	10/11/23		ALD

Lab ID: 2339843-03 **Collected By:** Client
Sample Desc: Effluent (Grab)

Sampled: 10/10/23 09:15 **Received:** 10/10/23 14:02
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	10/10/23 14:41	10/11/23 14:30		RMB



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Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2339843-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3J0750	10/11/2023	JMW



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2339578

Report: 10/19/23

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: 2339578-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 10/11/23 07:42 **Received:** 10/11/23 14:50
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	78.5	mg/l	2.0	SM 5210 B	10/12/23 11:00	B-04	KMS
Solids, Total Suspended	62	mg/l	1	SM 2540 D	10/12/23		ALD

Lab ID: 2339578-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 10/11/23 08:25 **Received:** 10/11/23 14:50
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	1.24	mg/l	0.02	EPA 350.1 Rev 2.0	10/12/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	10/12/23 12:40		KMS
Nitrate as N	1.29	mg/l	1.00	EPA 300.0 Rev 2.1	10/11/23 21:12		KCS
Nitrite as N	0.49	mg/l	0.10	EPA 300.0 Rev 2.1	10/11/23 21:12		KCS
Nitrate+Nitrite as N	1.78	mg/l	1.10	CALCULATED	10/11/23 21:12		KCS
Nitrogen, Total	3.33	mg/l	1.60	CALCULATED	10/13/23 12:55		SNF
Nitrogen, Total Kjeldahl (TKN)	1.55	mg/l	0.50	EPA 351.2 Rev 2.0	10/13/23		SNF
Phosphorus as P, Total	0.09	mg/l	0.01	SM 4500-P F	10/12/23		JMW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	10/12/23		ALD

Lab ID: 2339578-03 **Collected By:** Client
Sample Desc: Effluent (Grab)

Sampled: 10/11/23 12:00 **Received:** 10/11/23 14:50
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	10/11/23 16:21	10/12/23 14:23		RMB



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Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2339578-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3J0777	10/11/2023	JMW

Notes and Definitions

B-04 The difference between the highest and lowest results were greater than 30%.



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

Certificate of Analysis

Laboratory No.: 2340792

Report: 10/25/23

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: 2340792-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 10/17/23 07:55 **Received:** 10/17/23 15:40
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	70.2	mg/l	2.0	SM 5210 B	10/18/23 12:16		RXN
Solids, Total Suspended	70	mg/l	1	SM 2540 D	10/18/23		ALD

Lab ID: 2340792-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 10/17/23 09:30 **Received:** 10/17/23 15:40
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.66	mg/l	0.02	EPA 350.1 Rev 2.0	10/17/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	10/18/23 16:35		EAK
Nitrate as N	4.83	mg/l	1.00	EPA 300.0 Rev 2.1	10/17/23 18:30		KCS
Nitrite as N	0.48	mg/l	0.10	EPA 300.0 Rev 2.1	10/17/23 18:30		KCS
Nitrate+Nitrite as N	5.31	mg/l	1.10	CALCULATED	10/17/23 18:30		KCS
Nitrogen, Total	6.47	mg/l	1.60	CALCULATED	10/18/23 18:05		SNF
Nitrogen, Total Kjeldahl (TKN)	1.16	mg/l	0.50	EPA 351.2 Rev 2.0	10/18/23		SNF
Phosphorus as P, Total	0.41	mg/l	0.01	SM 4500-P F	10/17/23		JMW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	10/19/23		ALD

Lab ID: 2340792-03 **Collected By:** Client
Sample Desc: Effluent (Grab)

Sampled: 10/17/23 09:50 **Received:** 10/17/23 15:40
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	10/17/23 16:20	10/18/23 15:43		MAC



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Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2340792-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3J1224	10/17/2023	JMW





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

Certificate of Analysis

Laboratory No.: 2341542

Report: 10/27/23

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: 2341542-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 10/18/23 07:55 **Received:** 10/18/23 13:50
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	114	mg/l	2.0	SM 5210 B	10/19/23 15:20		RXN
Solids, Total Suspended	90	mg/l	1	SM 2540 D	10/20/23	Q-19	ALD

Lab ID: 2341542-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 10/18/23 09:45 **Received:** 10/18/23 13:50
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.32	mg/l	0.02	EPA 350.1 Rev 2.0	10/19/23		JMW
Carbonaceous Biochemical Oxygen Demand	2.2	mg/l	2.0	SM 5210 B	10/19/23 15:45	B-01	INW
Nitrate as N	1.92	mg/l	1.00	EPA 300.0 Rev 2.1	10/18/23 17:05		KCS
Nitrite as N	0.39	mg/l	0.10	EPA 300.0 Rev 2.1	10/18/23 17:05		KCS
Nitrate+Nitrite as N	2.31	mg/l	1.10	CALCULATED	10/18/23 17:05		KCS
Nitrogen, Total	3.06	mg/l	1.60	CALCULATED	10/20/23 19:37		SNF
Nitrogen, Total Kjeldahl (TKN)	0.75	mg/l	0.50	EPA 351.2 Rev 2.0	10/20/23		SNF
Phosphorus as P, Total	0.09	mg/l	0.01	SM 4500-P F	10/19/23		JMW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	10/20/23		ALD

Lab ID: 2341542-03 **Collected By:** Client
Sample Desc: Effluent (Grab)

Sampled: 10/18/23 11:30 **Received:** 10/18/23 13:50
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	10/18/23 14:48	10/19/23 14:03		MAC



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

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2341542-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3J1359	10/19/2023	JMW

Notes and Definitions

- B-01 The dissolved oxygen depletion for the dilution water blank was greater than 0.2 mg/L.
Q-19 The duplicate RPD was greater than 10% at 11.8%.



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

Certificate of Analysis

Laboratory No.: 2341740

Report: 11/01/23

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: 2341740-01 **Collected By:** Client **Sampled:** 10/24/23 07:55 **Received:** 10/24/23 14:14
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	156	mg/l	2.0	SM 5210 B	10/25/23 16:05		RXN
Solids, Total Suspended	92	mg/l	1	SM 2540 D	10/26/23		ALD

Lab ID: 2341740-02 **Collected By:** Client **Sampled:** 10/24/23 09:15 **Received:** 10/24/23 14:14
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.61	mg/l	0.02	EPA 350.1 Rev 2.0	10/24/23		SNF
Carbonaceous Biochemical Oxygen Demand	2.3	mg/l	2.0	SM 5210 B	10/25/23 14:32		RXN
Nitrate as N	1.14	mg/l	1.00	EPA 300.0 Rev 2.1	10/24/23 19:11		KCS
Nitrite as N	0.49	mg/l	0.10	EPA 300.0 Rev 2.1	10/24/23 19:11		KCS
Nitrate+Nitrite as N	1.63	mg/l	1.10	CALCULATED	10/24/23 19:11		KCS
Nitrogen, Total	2.19	mg/l	1.60	CALCULATED	10/25/23 18:43		SNF
Nitrogen, Total Kjeldahl (TKN)	0.56	mg/l	0.50	EPA 351.2 Rev 2.0	10/25/23		SNF
Phosphorus as P, Total	0.08	mg/l	0.01	SM 4500-P F	10/24/23		SNF
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	10/25/23		ALD

Lab ID: 2341740-03 **Collected By:** Client **Sampled:** 10/24/23 10:45 **Received:** 10/24/23 14:14
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	18	/100ml	2	SM 9222 D	10/24/23 16:17	10/25/23 14:32		RMB



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Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2341740-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3J1655	10/24/2023	SNF



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

Certificate of Analysis

Laboratory No.: 2340597

Report: 11/02/23

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: 2340597-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 10/25/23 07:35 **Received:** 10/25/23 14:44
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	78.1	mg/l	2.0	SM 5210 B	10/26/23 11:07	B-02, B-04	KMS
Solids, Total Suspended	43	mg/l	1	SM 2540 D	10/26/23		ALD

Lab ID: 2340597-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 10/25/23 07:58 **Received:** 10/25/23 14:44
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.09	mg/l	0.02	EPA 350.1 Rev 2.0	10/26/23		JMW
Carbonaceous Biochemical Oxygen Demand	2.1	mg/l	2.0	SM 5210 B	10/26/23 14:00		INW
Nitrate as N	3.15	mg/l	1.00	EPA 300.0 Rev 2.1	10/26/23 1:51		KCS
Nitrite as N	0.19	mg/l	0.10	EPA 300.0 Rev 2.1	10/26/23 1:51		KCS
Nitrate+Nitrite as N	3.34	mg/l	1.10	CALCULATED	10/26/23 1:51		KCS
Nitrogen, Total	3.99	mg/l	1.60	CALCULATED	10/27/23 10:09		JMW
Nitrogen, Total Kjeldahl (TKN)	0.65	mg/l	0.50	EPA 351.2 Rev 2.0	10/27/23		JMW
Phosphorus as P, Total	0.07	mg/l	0.01	SM 4500-P F	10/26/23		JMW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	10/26/23		ALD

Lab ID: 2340597-03 **Collected By:** Client
Sample Desc: Effluent (Grab)

Sampled: 10/25/23 08:45 **Received:** 10/25/23 14:44
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	10/25/23 15:04	10/26/23 13:48		RMB



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Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2340597-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3J1791	10/26/2023	SNF

Notes and Definitions

- B-02 The Glucose-Glutamic Acid check was above the acceptable criteria of 198 ± 30.5 mg/L.
- B-04 The difference between the highest and lowest results were greater than 30%.



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Additional accreditations by MD (261)



M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2342776

Report: 11/07/23

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: 2342776-01 **Collected By:** Client **Sampled:** 10/31/23 08:21 **Received:** 10/31/23 14:50
Sample Desc: Influent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	139	mg/l	2.0	SM 5210 B	11/01/23 14:30	B-04	RXN
Solids, Total Suspended	70	mg/l	1	SM 2540 D	11/01/23		ALD

Lab ID: 2342776-02 **Collected By:** Client **Sampled:** 10/31/23 09:12 **Received:** 10/31/23 14:50
Sample Desc: Effluent (24Hr Composite) **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.52	mg/l	0.02	EPA 350.1 Rev 2.0	10/31/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	11/01/23 17:22	B-01	RXN
Nitrate as N	2.67	mg/l	1.00	EPA 300.0 Rev 2.1	10/31/23 19:46		KCS
Nitrite as N	0.37	mg/l	0.10	EPA 300.0 Rev 2.1	10/31/23 19:46		KCS
Nitrate+Nitrite as N	3.04	mg/l	1.10	CALCULATED	10/31/23 19:46		KCS
Nitrogen, Total	4.16	mg/l	1.60	CALCULATED	11/06/23 14:22		JMW
Nitrogen, Total Kjeldahl (TKN)	1.12	mg/l	0.50	EPA 351.2 Rev 2.0	11/06/23		JMW
Phosphorus as P, Total	0.08	mg/l	0.01	SM 4500-P F	10/31/23		JMW
Solids, Total Suspended	2	mg/l	1	SM 2540 D	11/01/23		ALD

Lab ID: 2342776-03 **Collected By:** Client **Sampled:** 10/31/23 09:23 **Received:** 10/31/23 14:50
Sample Desc: Effluent (Grab) **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	10/31/23 15:50	11/1/23 14:20		MAC



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Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2342776-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3J2057	10/31/2023	JMW

Notes and Definitions

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



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M.J. Reider Associates, Inc.

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

Certificate of Analysis

Laboratory No.: 2336518

Report: 11/09/23

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: 2336518-01 **Collected By:** Client
Sample Desc: Influent (24Hr Composite)

Sampled: 11/01/23 08:09 **Received:** 11/01/23 13:50
Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Biochemical Oxygen Demand	201	mg/l	2.0	SM 5210 B	11/02/23 12:09	B-01	KMS
Solids, Total Suspended	136	mg/l	1	SM 2540 D	11/02/23		ALD

Lab ID: 2336518-02 **Collected By:** Client
Sample Desc: Effluent (24Hr Composite)

Sampled: 11/01/23 08:53 **Received:** 11/01/23 13:50
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	11/01/23		JMW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	11/02/23 10:47		KMS
Nitrate as N	3.37	mg/l	1.00	EPA 300.0 Rev 2.1	11/01/23 18:33		KCS
Nitrite as N	0.12	mg/l	0.10	EPA 300.0 Rev 2.1	11/01/23 18:33		KCS
Nitrate+Nitrite as N	3.49	mg/l	1.10	CALCULATED	11/01/23 18:33		KCS
Nitrogen, Total	4.13	mg/l	1.60	CALCULATED	11/06/23 14:59		JMW
Nitrogen, Total Kjeldahl (TKN)	0.64	mg/l	0.50	EPA 351.2 Rev 2.0	11/06/23		JMW
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	11/01/23		JMW
Solids, Total Suspended	<1	mg/l	1	SM 2540 D	11/02/23		ALD

Lab ID: 2336518-03 **Collected By:** Client
Sample Desc: Effluent (Grab)

Sampled: 11/01/23 10:23 **Received:** 11/01/23 13:50
Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	96	/100ml	2	SM 9222 D	11/1/23 14:17	11/2/23 13:26		MAC



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Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2336518-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B3K0050	11/01/2023	JMW

Notes and Definitions

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

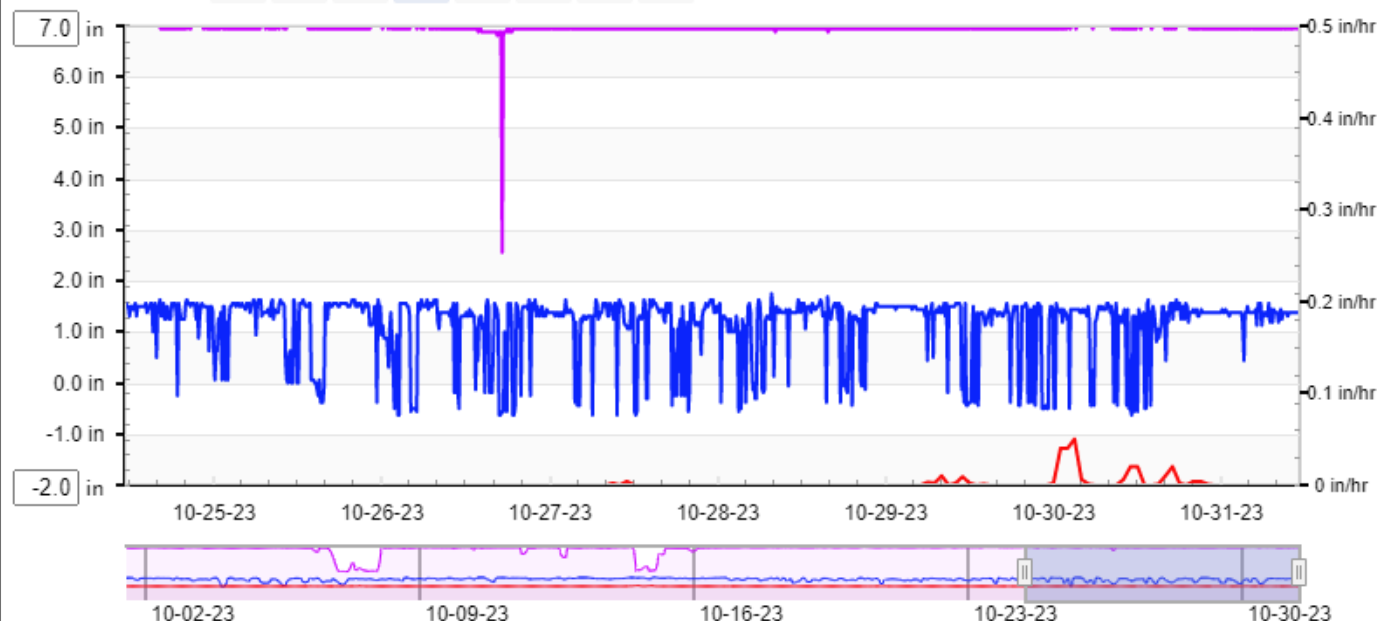


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Window 6h 24h 48h **1w** 1m 3m 6m All
2023-10-24 11:12 → 2023-10-31 11:12



Time Period Custom ▼
 Date Range 2023-10-01 11:12 - 2023-10-31 11:12
 Long Filter No Filter ▼

[Update Chart](#)

[Download Data](#) 

Locations

● 301-MH-332	Water Level above Bottom	+ -
● 301-MH-475A	Water Level above Bottom	+ -
● MH-286	Water Level above Bottom	+ -
● MH-290	Water Level above Bottom	+ -
● [RAIN] Mill Street-Hoffer Park	Rain	+ - Total: 0.26 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

October, 2023

Maximum Day 1,033,525
Minimum Day 622,278

Days pumped 31

Date	Well No.1	Well No.2	Well No.3	Well No.4	Well No.5	Well No.6	Total	Union Booster
01	210,500	291,171			116,153	359,056	976,880	143,572
02	150,728	291,387			86,842	268,541	797,498	87,023
03	184,595	282,521			106,691	329,328	903,135	143,345
04	203,935	290,746			117,829	364,140	976,650	134,426
05	141,642	290,880			81,763	253,721	768,006	83,919
06	173,252	289,909			100,214	309,541	872,916	134,005
07	161,437	290,310			93,138	286,807	831,692	94,435
08	184,847	289,739			106,611	327,571	908,768	136,924
09	203,605	289,108			116,800	360,154	969,667	130,762
10	157,063	289,910			90,117	275,651	812,741	110,057
11	196,680	254,842			112,203	345,194	908,919	113,346
12	47,516	295,371			137,278	407,787	887,952	151,865
13	140,107	293,359			95,242	292,340	821,048	80,733
14	206,099	290,506			117,233	350,761	964,599	141,000
15	177,352	290,816			101,375	309,461	879,004	102,720
16	186,633	290,165			106,725	326,375	909,898	117,806
17	201,339	290,325			114,758	350,182	956,604	130,040
18	191,428	289,796			109,203	333,613	924,040	106,188
19	186,067	289,288			106,164	300,070	881,589	137,679
20	183,679	289,171			105,157	322,886	900,893	159,426
21	166,678	289,397			95,114	291,103	842,292	84,747
22	206,704	289,124			118,206	259,324	873,358	141,146
23	227,360	287,451			129,189	389,525	1,033,525	138,840
24	155,370	288,120			88,111	270,033	801,634	75,328
25	199,027	287,304			112,926	346,344	945,601	150,242
26	165,173	287,824			94,318	286,692	834,007	111,710
27	201,064	286,774			114,090	350,284	952,212	133,624
28	192,762	286,036			109,779	33,701	622,278	140,861
29	181,078	286,182			103,076	314,174	884,510	96,972
30	200,083	285,767			113,972	347,356	947,178	136,347
31	218,458	285,156			123,484	377,812	1,004,910	139,548
Totals:	5,602,261	8,928,455			3,323,761	9,739,527	27,594,004	3,788,636
Maximum	227,360	295,371			137,278	407,787	1,033,525	159,426
Minimum	47,516	254,842			81,763	33,701	622,278	75,328
Average	180,718	288,015			107,218	314,178	890,129	122,214

	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	Oct	1 Sun															
6		2 Mon															
7		3 Tue		10-3-23	7.20	22.0	349.0	199.00	108.00	0.06	21.70	<0.02	<0.01	291.00	726.00	7.20	
8		4 Wed															
9		5 Thu															
10		6 Fri															
11		7 Sat															
12		8 Sun															
13		9 Mon															
14		10 Tue		10-10-23	7.20	19.0	330.0	199.00	102.00	0.05	22.80	<0.02	<0.01	286.00	745.00	7.20	
15		11 Wed															
16		12 Thu															
17		13 Fri															
18		14 Sat															
19		15 Sun															
20		16 Mon															
21		17 Tue		10-17-23	7.20	20.0	359.0	197.00	110.00	0.06	22.50	<0.02	<0.01	303.00	731.00	7.20	
22		18 Wed															
23		19 Thu															
24		20 Fri															
25		21 Sat															
26		22 Sun															
27		23 Mon															
28		24 Tue		10-24-23	7.10	17.0	354.0	198.00	109.00	0.06	22.90	<0.02	<0.01	301.00	744.00	7.10	
29		25 Wed															
30		26 Thu															
31		27 Fri															
32		28 Sat															
33		29 Sun															
34		30 Mon															
35		31 Tue		10-31-23	7.20	18.0	358.0	195.00	113.00	0.05	22.10	<0.02	<0.01	325.00	763.00	7.20	
37		MINIMUM		10-10-23	7.10	17.0	330.0	195.00	102.00	0.05	21.70	<0.02	<0.01	286.00	726.00	7.10	
38		MAXIMUM		10-3-23	7.20	22.0	359.0	199.00	113.00	0.06	22.90	<0.02	<0.01	325.00	763.00	7.20	
39		AVERAGE		1	7.18	19.2	350.0	197.60	108.40	0.06	22.40	<0.02	<0.01	301.20	741.80	3.30	
40		SUM		5	35.90	96.0	1,750.0	988.00	542.00	0.28	112.00	<0.10	<0.05	1,506.00	3,709.00	16.52	



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2338799

Reported: 10/10/23

Lab Contact: Christina M Kistler

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

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

Lab ID: 2338799-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 10/03/23 09:18 **Received:** 10/03/23 14:10
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 701

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	10/3/23 15:54	10/4/23 11:04		MAC	N/A 1

Lab ID: 2338799-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 10/03/23 08:44 **Received:** 10/03/23 14:10
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 703

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	10/3/23 15:54	10/4/23 11:04		MAC	N/A 1

Lab ID: 2338799-03 **Collected By:** Client
Sample Desc: 706 North Union Street Standpipe
Notes:

Sampled: 10/03/23 08:57 **Received:** 10/03/23 14:10
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 706

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	10/3/23 15:54	10/4/23 11:04		MAC	N/A 1



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

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	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	100423	701		100323	D	0918	06003	2338799-01	LAUDANWE BBP_2751
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	100423	703		100323	D	0844	06003	2338799-02	LAUDANWE BBP_2752
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	100423	706		100323	D	0857	06003	2338799-03	LAUDANWE BBP_2753
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.: 2338798

Reported: 10/10/23

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: 2338798-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 10/03/23 09:20 **Received:** 10/03/23 14:10
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	199	mg CaCO ₃ /L	20	SM 2320 B	10/05/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	349	mg/l	4.56	CALCULATED	10/06/23		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	10/06/23		JMW	N/A N/A	
Silica as SiO ₂	21.7	mg/l	2.14	CALCULATED	10/05/23		HRG	N/A N/A	
Conductivity	726	umhos/cm	1	SM 2510 B	10/09/23		INW	N/A N/A	
Total Metals									
Calcium	108	mg/l	1	EPA 200.7 Rev 4.4	10/06/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	10/05/23		HRG	N/A 0.3	PASS
Magnesium	19.2	mg/l	0.5	EPA 200.7 Rev 4.4	10/06/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	10/04/23		MPB	N/A 0.05	PASS
Silicon	10.2	mg/l	1.0	EPA 200.7 Rev 4.4	10/05/23		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
2338798-01			
SM 4500-P F	SM 4500-P B	10/05/2023	JMW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2339845

Reported: 10/15/23

Lab Contact: Christina M Kistler

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

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

Lab ID: 2339845-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 10/10/23 09:02 **Received:** 10/10/23 14:02
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 704

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	10/10/23 16:30	10/11/23 11:11		MAC	N/A 1

Lab ID: 2339845-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 10/10/23 08:50 **Received:** 10/10/23 14:02
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 705

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	10/10/23 15:02	10/11/23 9:04		MAC	N/A 1



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E-Government Application for Drinking Water
Program

SAFE DRINKING WATER ACT

VIEW/EDIT RECORDS

7220038: VEOLIA MIDDLETOWN

SDWA1

PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101123	704		101023	D	0902	06003	2339845-01	KISTLERC_182
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101123	705		101023	D	0850	06003	2339845-02	KISTLERC_183



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2339844

Reported: 10/16/23

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: 2339844-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 10/10/23 09:25 **Received:** 10/10/23 14:02
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	199	mg CaCO ₃ /L	20	SM 2320 B	10/10/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	330	mg/l	4.56	CALCULATED	10/11/23		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	10/13/23		JMW	N/A N/A	
Silica as SiO ₂	22.8	mg/l	2.14	CALCULATED	10/12/23		HRG	N/A N/A	
Conductivity	745	umhos/cm	10	SM 2510 B	10/13/23		ORL	N/A N/A	
Total Metals									
Calcium	102	mg/l	1	EPA 200.7 Rev 4.4	10/11/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	10/12/23		HRG	N/A 0.3	PASS
Magnesium	18.3	mg/l	0.5	EPA 200.7 Rev 4.4	10/11/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	10/12/23		MPB	N/A 0.05	PASS
Silicon	10.6	mg/l	1.0	EPA 200.7 Rev 4.4	10/12/23		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
2339844-01			
SM 4500-P F	SM 4500-P B	10/12/2023	JMW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2340794

Reported: 10/25/23

Lab Contact: Christina M Kistler

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

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

Lab ID: 2340794-01 **Collected By:** Client
Sample Desc: 701 Middletown WWTP
Notes:

Sampled: 10/17/23 08:53 **Received:** 10/17/23 15:40
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	10/17/23 17:32	10/18/23 11:39		MAC	N/A 1

Lab ID: 2340794-02 **Collected By:** Client
Sample Desc: 703 North Union Street Booster Station
Notes:

Sampled: 10/17/23 08:21 **Received:** 10/17/23 15:40
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	10/17/23 17:32	10/18/23 11:39		MAC	N/A 1

Lab ID: 2340794-03 **Collected By:** Client
Sample Desc: 706 North Union Street Standpipe
Notes:

Sampled: 10/17/23 08:35 **Received:** 10/17/23 15:40
PADEP Type: D-Distribution
PWSID: 7220038 **Loc ID:** 706

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology									
Total Coliform	Absent	/100ml	1.00	SM 9223 Colilert	10/17/23 17:32	10/18/23 11:39		MAC	N/A 1



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

7220038: VEOLIA MIDDLETOWN													
SDWA1													
PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101823	701		101723	D	0853	06003	2340794-01	KISTLERC_660
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101823	703		101723	D	0821	06003	2340794-02	KISTLERC_661
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101123	704		101023	D	0902	06003	2339845-01	KISTLERC_182
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101123	705		101023	D	0850	06003	2339845-02	KISTLERC_183
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101823	706		101723	D	0835	06003	2340794-03	KISTLERC_662



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2340793

Reported: 10/27/23

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: 2340793-01 **Collected By:** client
Sample Desc: WWTP Lab Sink

Sampled: 10/17/23 08:55 **Received:** 10/17/23 15:40
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	197	mg CaCO ₃ /L	20	SM 2320 B	10/19/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	359	mg/l	4.56	CALCULATED	10/19/23		JAF	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	10/18/23		JMW	N/A N/A	
Silica as SiO ₂	22.5	mg/l	2.14	CALCULATED	10/19/23		JAF	N/A N/A	
Conductivity	731	umhos/cm	10	SM 2510 B	10/20/23		ORL	N/A N/A	
Total Metals									
Calcium	110	mg/l	1	EPA 200.7 Rev 4.4	10/19/23		JAF	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	10/19/23		JAF	N/A 0.3	PASS
Magnesium	20.2	mg/l	0.5	EPA 200.7 Rev 4.4	10/19/23		JAF	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	10/20/23		MPB	N/A 0.05	PASS
Silicon	10.5	mg/l	1.0	EPA 200.7 Rev 4.4	10/19/23		JAF	N/A N/A	

Notes and Definitions

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

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2340793-01			
SM 4500-P F	SM 4500-P B	10/17/2023	JMW



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M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2341742

Reported: 11/01/23

Lab Contact: Christina M Kistler

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

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

Lab ID: 2341742-01 **Collected By:** Client
Sample Desc: 704 Village of Pineford Office
Notes:

Sampled: 10/24/23 08:29 **Received:** 10/24/23 14:14
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	10/24/23 15:54	10/25/23 10:22		MAC	N/A 1

Lab ID: 2341742-02 **Collected By:** Client
Sample Desc: 705 High Street Standpipe
Notes:

Sampled: 10/24/23 08:14 **Received:** 10/24/23 14:14
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	10/24/23 15:54	10/25/23 10:22		MAC	N/A 1



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

7220038: VEOLIA MIDDLETOWN													
SDWA1													
PWSID	Contam ID	Contam	Analysis Method	Result	Analysis Date	Location ID 1	Location ID 2	Sample Date	Sample Type	Sample Time	Lab ID	Sample ID	Record ID
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101823	701		101723	D	0853	06003	2340794-01	KISTLERC_660
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101823	703		101723	D	0821	06003	2340794-02	KISTLERC_661
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101123	704		101023	D	0902	06003	2339845-01	KISTLERC_182
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	102523	704		102423	D	0829	06003	2341742-01	KISTLERC_1085
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101123	705		101023	D	0850	06003	2339845-02	KISTLERC_183
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	102523	705		102423	D	0814	06003	2341742-02	KISTLERC_1086
7220038	3100	TOTAL COLIFORM PRESENCE	331	0.0	101823	706		101723	D	0835	06003	2340794-03	KISTLERC_662



M.J. Reider Associates, Inc.

ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2341741

Reported: 10/27/23

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: 2341741-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 10/24/23 08:45 **Received:** 10/24/23 14:14
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	198	mg CaCO ₃ /L	20	SM 2320 B	10/25/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	354	mg/l	4.56	CALCULATED	10/26/23		HRG	N/A N/A	
Phosphorus as P, Total	0.06	mg/l	0.01	SM 4500-P F	10/24/23		SNF	N/A N/A	
Silica as SiO ₂	22.9	mg/l	2.14	CALCULATED	10/25/23		HRG	N/A N/A	
Conductivity	744	umhos/cm	10	SM 2510 B	10/25/23		ORL	N/A N/A	
Total Metals									
Calcium	109	mg/l	1	EPA 200.7 Rev 4.4	10/26/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	10/25/23		HRG	N/A 0.3	PASS
Magnesium	19.7	mg/l	0.5	EPA 200.7 Rev 4.4	10/26/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	10/25/23		MPB	N/A 0.05	PASS
Silicon	10.7	mg/l	1.0	EPA 200.7 Rev 4.4	10/25/23		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
2341741-01			
SM 4500-P F	SM 4500-P B	10/24/2023	SNF



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ENVIRONMENTAL TESTING LABORATORY
PA DEP #06-00003

Certificate of Analysis

Laboratory No.: 2342777

Reported: 11/06/23

Lab Contact: Christina M Kistler

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

Project: DW-Weekly WWTP Water Lab Sink
7220038

Lab ID: 2342777-01 **Collected By:** Client
Sample Desc: WWTP Lab Sink

Sampled: 10/31/23 08:45 **Received:** 10/31/23 14:50
Sample Type: Grab

Notes:

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/Fail
General Chemistry									
Alkalinity, Total to pH 4.5	195	mg CaCO ₃ /L	20	SM 2320 B	11/01/23		ORL	N/A N/A	
Total Hardness as CaCO ₃	358	mg/l	4.56	CALCULATED	11/01/23		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	10/31/23		JMW	N/A N/A	
Silica as SiO ₂	22.1	mg/l	2.14	CALCULATED	11/02/23		HRG	N/A N/A	
Conductivity	763	umhos/cm	10	SM 2510 B	11/02/23		ORL	N/A N/A	
Total Metals									
Calcium	113	mg/l	1	EPA 200.7 Rev 4.4	11/01/23		HRG	N/A N/A	
Iron	<0.02	mg/l	0.02	EPA 200.7 Rev 4.4	11/01/23		HRG	N/A 0.3	PASS
Magnesium	18.5	mg/l	0.5	EPA 200.7 Rev 4.4	11/01/23		HRG	N/A N/A	
Manganese	<0.005	mg/l	0.005	EPA 200.8 Rev 5.4	11/01/23		MPB	N/A 0.05	PASS
Silicon	10.3	mg/l	1.0	EPA 200.7 Rev 4.4	11/02/23		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
2342777-01			
SM 4500-P F	SM 4500-P B	10/31/2023	JMW



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SRBC Monitoring Data Submission Reviewed

1 message

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

Mon, Nov 6, 2023 at 10:09 AM

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

Thank you for using the SRBC Monitoring Data Website.

Middletown Water System data has been reviewed for the Reporting Period 07/01/2023 - 09/30/2023 for the following:

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

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

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

1 message

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

Tue, Oct 31, 2023 at 4:08 PM

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

Thank you for using the SRBC Monitoring Data Website.

Middletown Water System data has been received for the Reporting Period 07/01/2023 - 09/30/2023 for the following:

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

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

MIDDLETOWN MONTHLY REPORT

APPENDIX 3 CUSTOMER SERVICE

MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS

&

HOMESERVE REPORT

OCTOBER 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/E-mails)	TOTALS	Calls for Other Ops	Calls from City / Other Org	AppleTree Hold Call	General Acct. Info	Copy Of Bill	Correct. Bills	Bill Inquiry	Rates	Payment	Collection Letter	New Account	Finals	Meter Reading/R e-Reads	Service Complaints	C S Thank Yous	Sewer Back up or SSO	Water Leaks	Broke, Froze, Leaking Meter	No Water/Low Pressure	Water Quality	
October 2nd, 2023	33	0	33				1			6		26												
October 3rd, 2023	42	3	39	1			1			3		34												
October 4th, 2023	38	1	37				2			4		31												
October 5th, 2023	29	1	28				1			4		22									1			
October 6th, 2023	48	3	45	2						1		42												
October 9th, 2023	23	1	22					1				17	4											
October 10th, 2023	39	3	36							5		27	3	1										
October 11th, 2023	48	2	46	1						3		40	2											
October 12th, 2023	37	3	34							1		33												
October 13th, 2023	88	1	67	1						2		64												
October 16th, 2023	85	6	79					2		3		74												
October 17th, 2023	40	1	39	1				1		2		34		1										
October 18th, 2023	26	3	23	1						1		20		1										
October 19th, 2023	40	1	39	1			1			3		34												
October 20th, 2023	42	3	39	2			1			2		33			1									
October 23rd, 2023	34	0	34	3				1		4		26												
October 24th, 2023	30	2	28	1						5		19			1					2				
October 25th, 2023	15	1	14	1								13												
October 26th, 2023	30	5	25							4		20								1				
October 27th, 2023	25	0	25	1						3		18	1		1					1				
October 30th, 2023	27	3	24							4		17	1		2									
October 31st, 2023	27	6	21				1			5		14	1											
GRAND TOTALS	772	40	732	16	0	0	7	5	0	56	0	627	10	3	3	0	0	0	0	4	1	0	0	

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	10/16/2023	10/19/2023	256			NO 3 DAYS NOTICES SENT OUT DUE TO ON MEDICAL LEAVE
October Bill Cycle						
November Bill Cycle						
December Bill Cycle						

11/25/2023 9:40 AM
 DATES: 10/01/2023 THRU 10/31/2023

**** MONTHLY BILLING REPORT ****

PAGE: 2

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCILIATION
ACTIVE ACCOUNTS:	2,748	291,026.55	754,617.71	1,045,644.26	NEW ACCOUNTS: 19
DISCONNECTED ACCTS:	11	1,433.75	529.79	1,963.45	DISCONNECT--NO TRF: 11
FINALED ACCOUNTS:	398	17,196.25		17,196.25	DISCONNECT--TRANSFER: 0
INACTIVE ACCOUNTS:	12,472	3.00		3.00	
GRAND TOTALS	15,635	309,656.50	755,147.50	1,064,804.00	
CALCULATION SUMMARY		TOTAL CHARGES:	755,147.50		
		DEPOSIT RETURNS:	3.00		
		TOTAL CURRENT:	755,147.50		

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

CATEGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION
S SEWER	2682	401,728.71	0.00	0.00	0.00	15231,200.0000		15231,200.0000
SR SURCHARGE	2	0.00	0.00	0.00	0.00			
SR2 SURCHARGE 2	2731	97,296.45	0.00	0.00	0.00			
W WATER	5364	256,122.34	0.00	0.00	0.00	19618,800.0000		19618,800.0000
TOTALS		755,147.50	0.00	0.00	0.00			

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

R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
SERVICES:		
200-WTR MDT	687-145900	80,083.85
203-WTR MDT COMMERCIAL	687-145900	105,721.20
206-CUSTOMER CHARGE	687-145900	12,478.62
207-SERVICE CHG / METER	687-145900	49,136.69
210-WTR ROYAL	687-145900	8,643.00
220-WTR L SWT	687-145900	59.94
230-SURCHARGE WATER/SEWER	687-145900	0.00
231-SURCHARGE WATER/SEWER	687-145900	97,296.45
300-SWR MDT	687-145800	336,524.18
306-SW CUST CHARGE	687-145800	65,204.53
310-SWR ROYAL	687-145800	0.00
320-SWR L SWT	687-145800	0.00
R/C TOTALS		755,147.50

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

CAT CODE	TBL DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
S	300 LST SEWER -LWR SW TWP	LST	1	0.00	0.00	0.00	0.00		
S	300 RB SEWER -ROYALTON	RB	1	0.00	0.00	0.00	0.00		
S	300 SW SEWER	SW	2680	401,728.71	0.00	0.00	0.00	15,231,200.0000	303

11/20/2023 9:40 AM
BOOK:

**** MONTHLY BILLING REPORT ****

PAGE: 3

***** RATE TABLE TOTALS *****

** (CONTINUED) **

CAT CODE	TBL DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
SR 230	SR2 SURCHARGE WATER/SEWE	SR2	2	0.00	0.00	0.00	0.00		
SR2 231	SR2 SURCHARGE WATER/SEWE	SR2	2731	97,296.45	0.00	0.00	0.00		
W 200	C10 COMM 1" MTR	C10	35	3,985.72	0.00	0.00	0.00	301,800.0000	
W 200	C15 COMM 1 1/2" MTR	C15	9	7,162.64	0.00	0.00	0.00	665,800.0000	
W 200	C20 COMM 2" MTR	C20	22	18,839.68	0.00	0.00	0.00	1,753,100.0000	
W 200	C30 COMM 3" MTR	C30	5	8,424.68	0.00	0.00	0.00	794,200.0000	
W 200	C40 COMM 4" MTR	C40	2	144.92	0.00	0.00	0.00	6,500.0000	
W 200	C50 COMM 5" MTR	C50	15	1,866.15	0.00	0.00	0.00	147,000.0000	
W 200	C60 COMM 6" MTR	C60	13	59,649.46	0.00	0.00	0.00	5,673,000.0000	
W 200	C75 COMM 3/4" MTR	C75	2	293.64	0.00	0.00	0.00	23,800.0000	
W 200	C80 COMM 8" MTR	C80	4	8,550.56	0.00	0.00	0.00	800,300.0000	
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	58.94	0.00	0.00	0.00	200.0000	
W 200	NCW NO CHG	NCW	25	0.00	0.00	0.00	0.00	48,300.0000	
W 200	R10 RESID 1" MTR	R10	38	1,710.00	0.00	0.00	0.00	76,000.0000	
W 200	R58 RESID - 5/8" MTR	R58	2554	122,404.96	0.00	0.00	0.00	7,218,600.0000	
W 200	R60 RESID 6" MTR	R60	1	3,805.46	0.00	0.00	0.00	361,100.0000	
W 200	R75 RESID 3/4" MTR	R75	4	452.08	0.00	0.00	0.00	34,800.0000	
W 200	RB6 ROYALTON BOR 6" MTR	RB6	2	8,643.00	0.00	0.00	0.00	1,714,800.0000	
W 210	ALV FLAT RATE WATER -VAR	ALV	2	130.25	0.00	0.00	0.00		
W 220	MC WATER METER CHARGE - MC		2618	0.00	0.00	0.00	0.00		
TOTALS				755,147.50	0.00	0.00	0.00		

***** METER GROUP TOTALS *****

CODE	DESCRIPTION	BILLED CONSUMPTION	UNBILLED CONSUMPTION	TOTAL CONSUMPTION	DEMAND CONSUMPTION
W	WATER	19,618,800.0000	0.000	19,618,800.0000	

===== REFUNDED DEPOSIT TOTALS =====

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

11/01/2023 7:35 AM

ACCOUNT AGING REPORT

PAGE: 66

REPORT TOTALS

REVENUE CODE TOTALS

REVENUE CODE:	--CURRENT--	+1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	--BALANCE--
001-MSF CK FEE	20.00	11.76	8.24	0.00	0.00	40.00
200-WTR MDT	81805.53	14309.90	9194.05	2529.67	3426.03	111265.18
201-WATER TURN ON	0.00	61.15	65.92	32.93	40.00	200.00
203-WTR MDT COMMERCIAL	109079.98	20805.19	1247.36	37.00	103.05	131272.58
206-CUSTOMER CHARGE	12244.16	2193.48	1110.16	389.55	2543.06	18480.41
207-SERVICE CHG / METER	47949.95	8841.37	4321.40	1519.10	9873.22	72505.04
210-WTR ROYAL	8643.00	0.00	0.00	0.00	0.00	8643.00
220-WTR L SMT	58.94	0.00	0.00	0.00	0.00	58.94
230-SURCHARGE WATER/SEWER	16.28	8.18	8.20	8.20	1239.99	1280.85
231-SURCHARGE WATER/SEWER	90825.37	3375.84	1763.58	504.90	2199.69	98669.38
275-WTR PEN	648.38CR	2394.31	870.81	230.52	981.07	3828.33
300-SMR MDT	332628.18	69764.60	22185.41	5449.74	7898.97	437926.90
306-SM COST CHARGE	63655.11	11821.55	5954.08	2126.36	26144.08	109701.18
375-SMR PEN	1232.60CR	4265.87	1488.35	364.89	2205.32	7091.83
996-UNAPPLIED	17046.83CR	0.00	0.00	0.00	0.00	17046.83CR
999-REFUND	2168.08CR	0.00	0.00	0.00	0.00	2168.08CR
TOTALS	725830.61	137853.20	48217.56	13192.86	56654.48	981748.71

TOTAL REVENUE CODES: 981,748.71

TOTAL ACCOUNT BALANCE: 981,748.71

DIFFERENCE: 0.00

11-20-2023 08:08 AM
PERIOD: 10/01/2023 THRU 10/31/2023
ZONE: * - All Zones
REVENUE CODE: All
ADJUSTMENT CODES:

MONTHLY TRANSACTION REPORT

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===== D A I L Y D I S T R I B U T I O N =====			
TYPE	DAY	COUNT	AMOUNT
ADJUSTMENT	05	1	50.00
	09	4	16,722.96
	11	1	7.94CR
	16	5	456.19CR
	19	4	463.45CR
	20	2	22.70CR
	25	124	1,565.18CR
	26	7	1,734.68CR
	27	1	12.13CR
	ADJUSTMENT TOTAL		12,510.69
BILL	05	4	51.74CR
	06	3	13.43CR
	09	3	5.90CR
	10	1	146.92
	17	3	42.72
	20	1	182.86
	24	3	36.25
	25	2,755	754,809.82
	BILL TOTAL		755,147.50
APPLIED DEPOSIT	25	1	0.00
	APPLIED TOTAL		0.00
LATE CHARGE	25	556	11,564.04
	LATE TOTAL		11,564.04
MEMO	19	6	0.00
	MEMO TOTAL		0.00
PAYMENT	02	46	14,618.37CR
	03	61	31,787.35CR
	04	72	14,921.45CR
	05	146	25,052.51CR
	06	68	15,567.84CR
	09	71	29,450.14CR
	10	231	88,801.41CR
	11	143	169,896.61CR
	12	195	41,549.82CR
	13	98	20,588.71CR
	16	396	74,485.63CR
	17	88	39,916.60CR
	18	32	6,400.01CR

Difference - adj total \pm \$ Billed -
Other Revenue \$ 24,074.73

11-20-2023 08:08 AM
PERIOD: 10/01/2023 THRU 10/31/2023
ZONE: * - All Zones
REVENUE CODE: All
ADJUSTMENT CODES:

MONTHLY TRANSACTION REPORT

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

TYPE	DAY	COUNT	AMOUNT
	19	125	24,256.11CR
	20	73	20,987.02CR
	23	80	56,934.50CR
	24	31	6,295.27CR
	25	35	21,954.82CR
	26	49	11,414.36CR
	27	30	49,638.65CR
	30	34	9,800.07CR
	31	38	7,119.61CR
PAYMENT TOTAL			781,436.86CR
DRAFT	16	402	66,035.75CR
	20	25	19,764.33CR
DRAFT TOTAL			85,800.08CR
REVERSE-PAY	12	1	102.52
	16	4	1,341.82
	18	1	252.02
	25	1	110.00
	26	1	265.81
REVERSE PAY TOTAL			2,072.17
GRAND TOTAL FOR PERIOD			85,942.54CR

Total Collected = \$1

> Total Collected = \$867,236.94

11/20/2023 9:43 AM
DATES: 10/01/2023 THRU 10/31/2023
TYPE: * - All

*** BILLED CONSUMPTION REPORT ***

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*** SERVICE CATEGORY TOTALS ***

SERV CATG	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL AMOUNT
S	2,682	15,231,300	15,231,300			\$ 401,728.71
SR	2,660	0	0			
SR2	2,731	0	0			\$ 97,296.45
W	5,368	19,618,800	19,618,800			\$ 256,122.34

ACTION	----- ISSUED THIS PERIOD -----				----- PRIOR ORDERS -----			TOTAL	TOTAL
	ISSUED	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	OUTSTANDING
C CONNECT	6	6	0	0	190	4	0	196	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	61	57	4	0	3,821	99	0	3,878	0
M METER CHANGE	2	2	0	0	881	8	0	883	0
O OCC CHANGE	7	7	0	0	1,533	3	0	1,540	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 **	76	72	4	0	7,353	148	0	7,425	0

11/22/2023 8:26 AM
ZONE: ALL ZONES
SERVICE: 200-WATER

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

PAGE: 1

**** REPORT TOTALS ****

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	2	0
16 - BOOK 16	2	0
18 - BOOK 18	1	0
20 - BOOK 20	1	1
21 - BOOK 21	1	0
29 - BOOK 29	2	0
<hr/>		
Grand Totals	20	1

11/22/2023 8:38 AM
ZONE: < All Zones >
SORT: ACCOUNT

M X U R E P O R T

PAGE: 76
GROUP: * - All Groups

METER NO#	ACCOUNT NO#	NAME	ADDRESS	MXU TYPE	MXU ID
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
W 12164947	INVENTORY				1573617074

*** TOTAL METERS IN SERVICE 2766
*** TOTAL METERS IN INVENTORY 950

Partner Reporting Dashboard

[Back to Partner Select Page](#)

SUEZ (Middletown)

Date Start

2022-10-31

Date End

2023-10-31

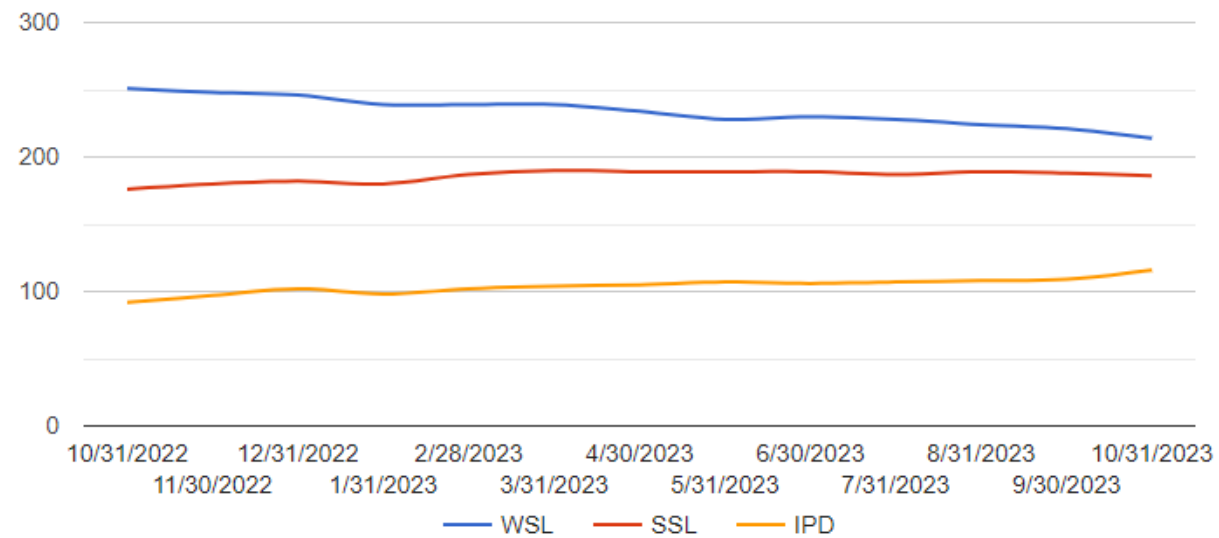
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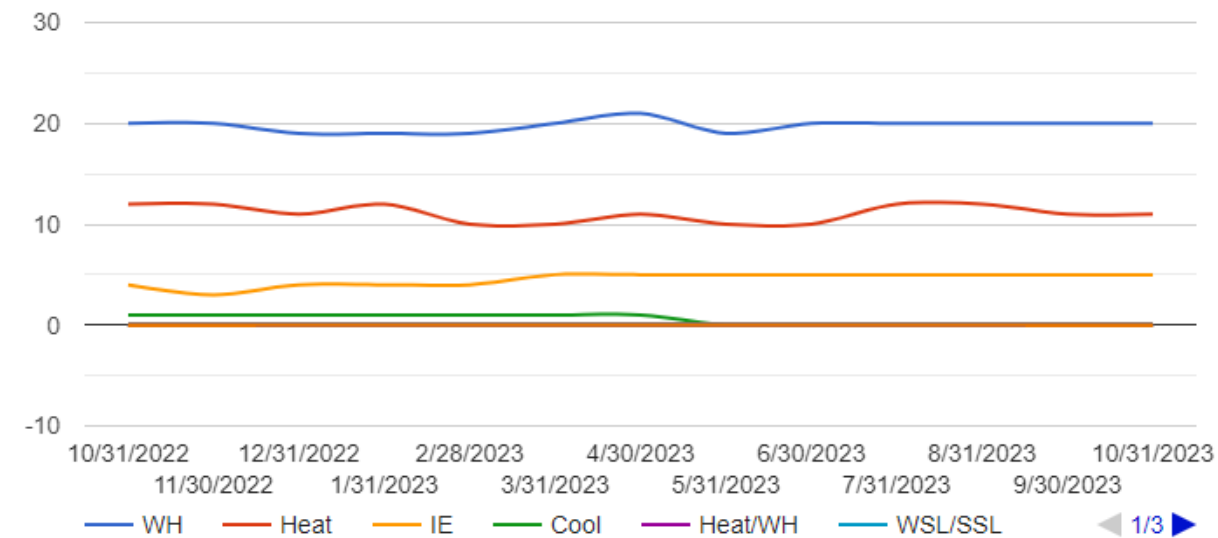
Contracts and Customers



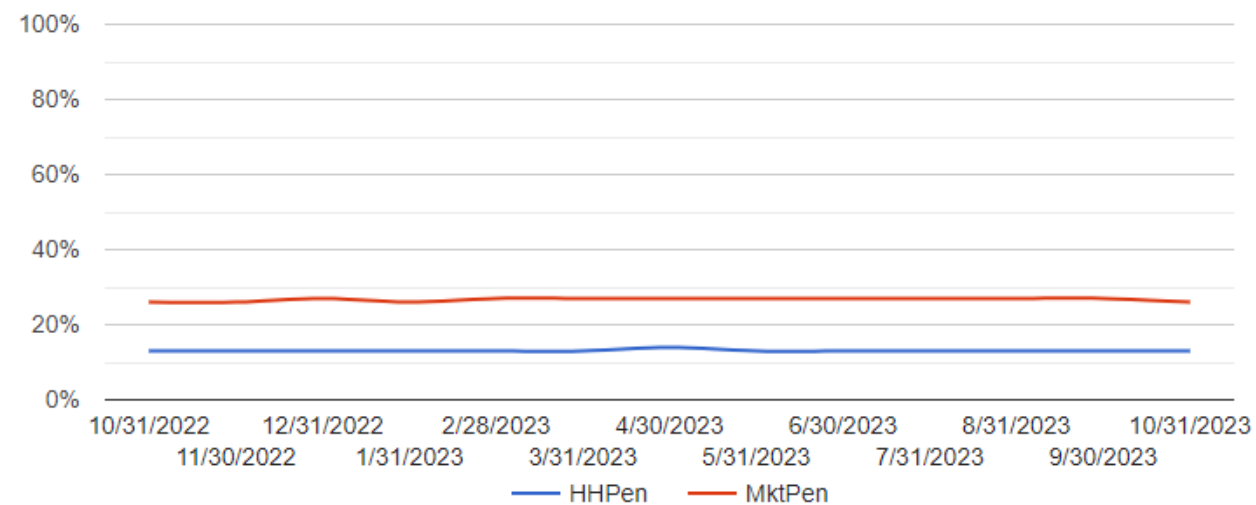
Leading Contracts by Type (Top 3)



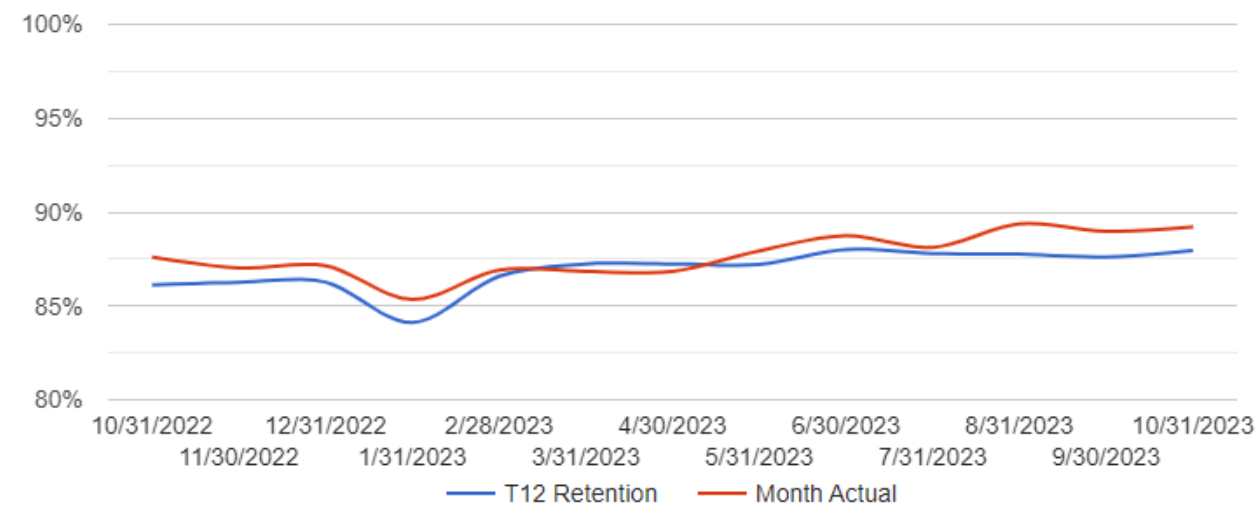
Leading Contracts by Type Other



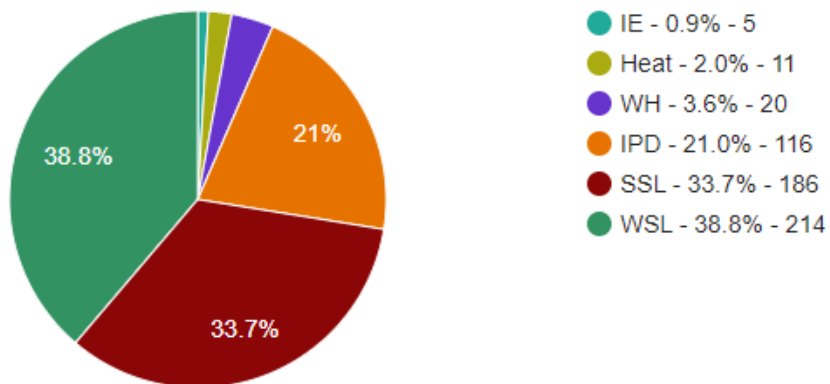
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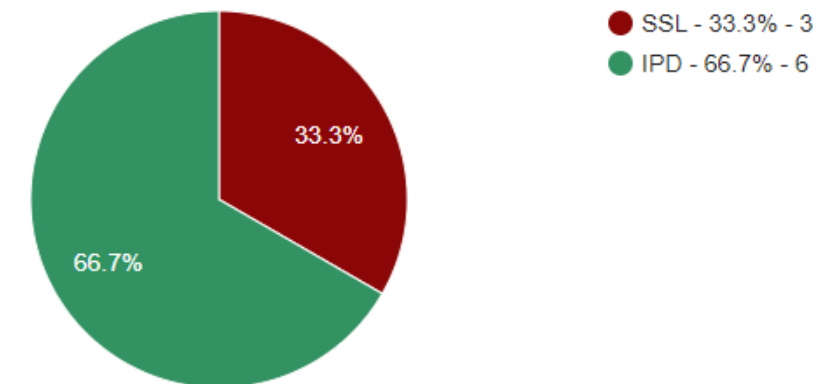
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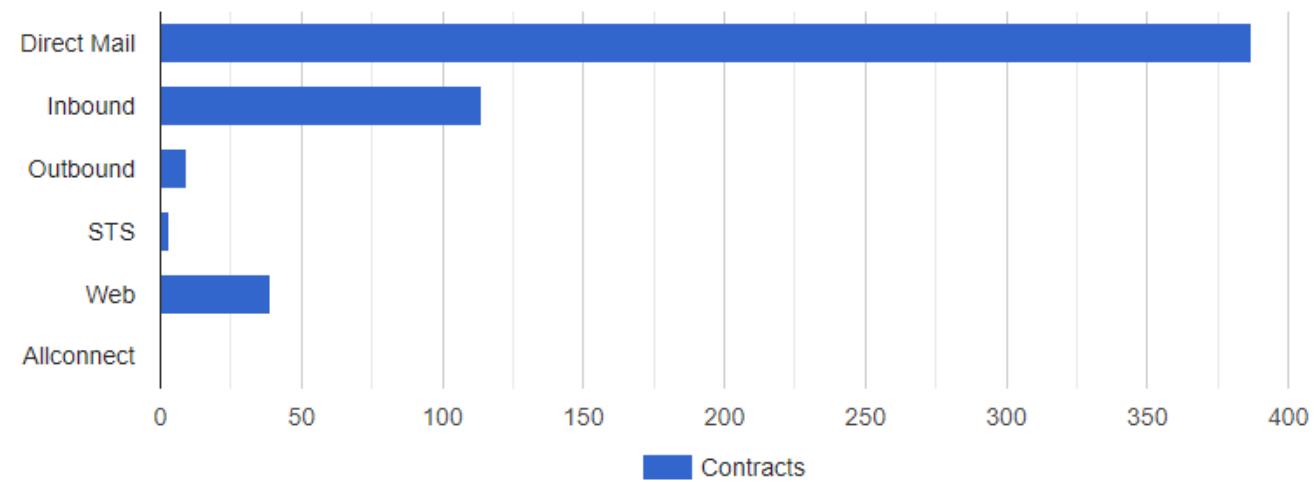
Contracts by Product Type



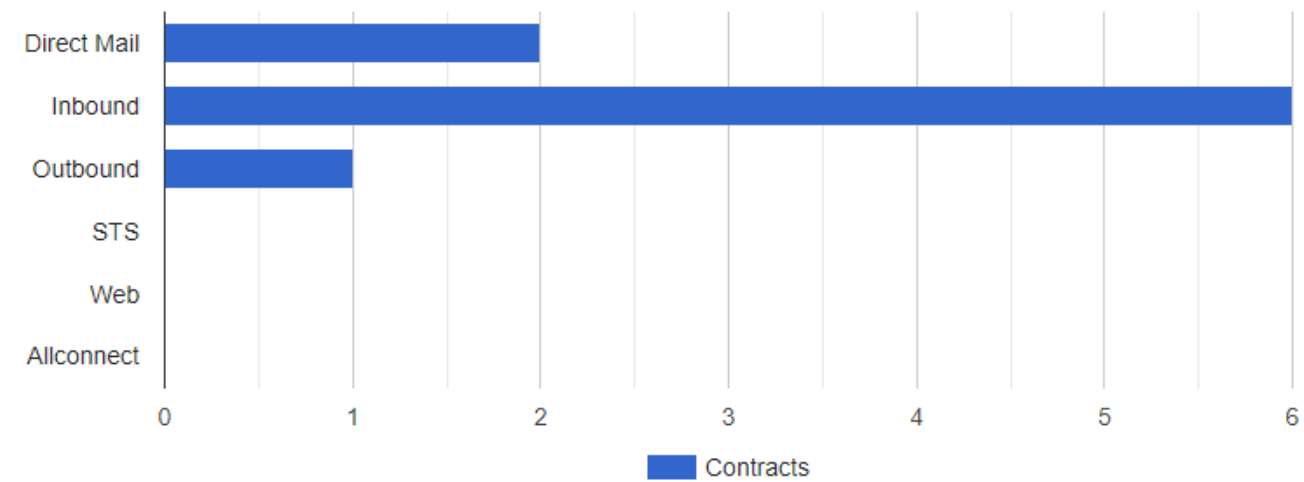
Contracts by Type - Last 30 Days



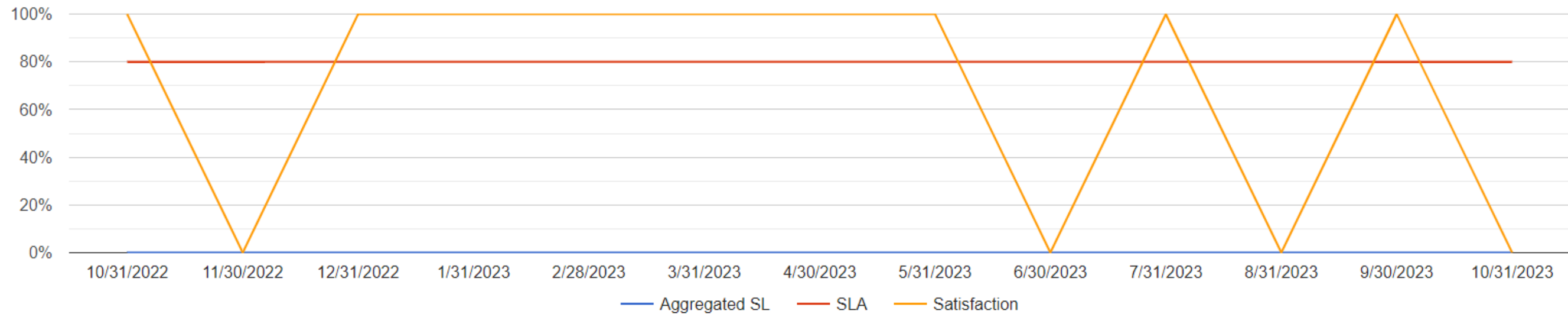
Contracts by Channel



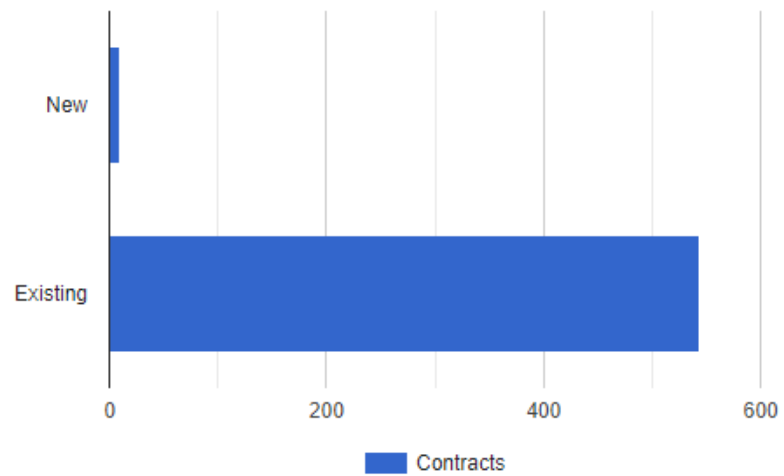
Contracts by Channel - Last 30 Days



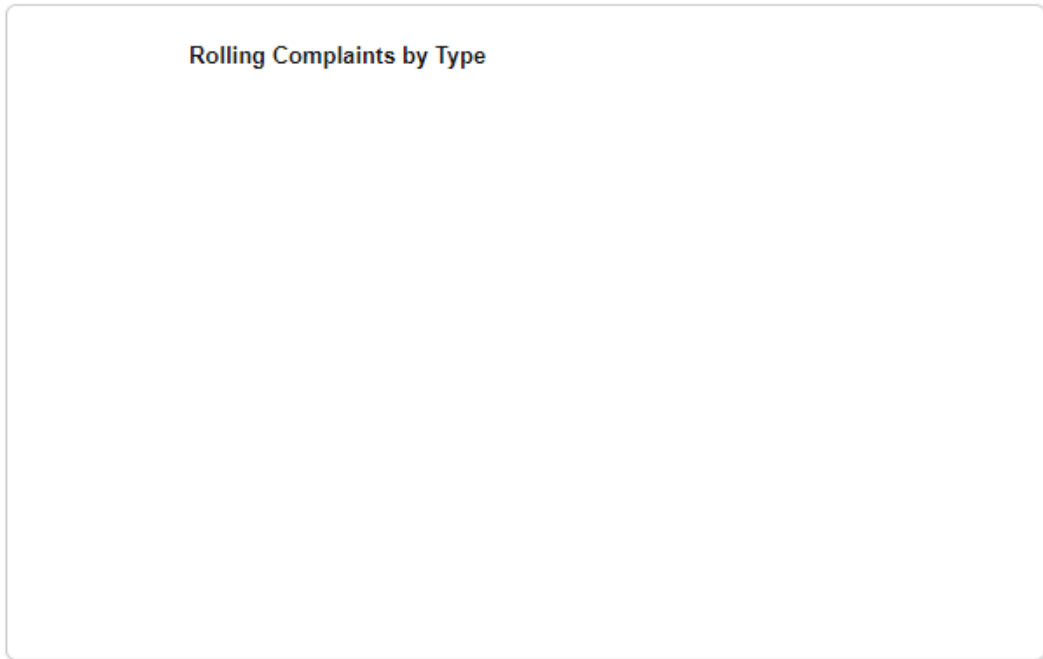
Service Levels And Satisfaction



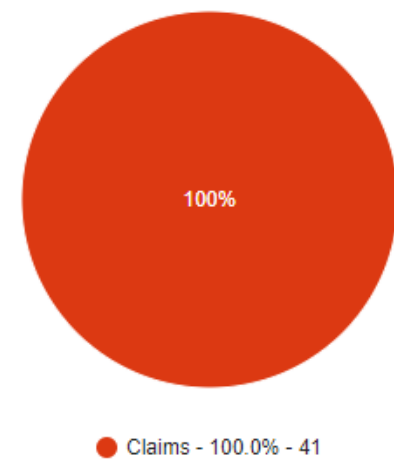
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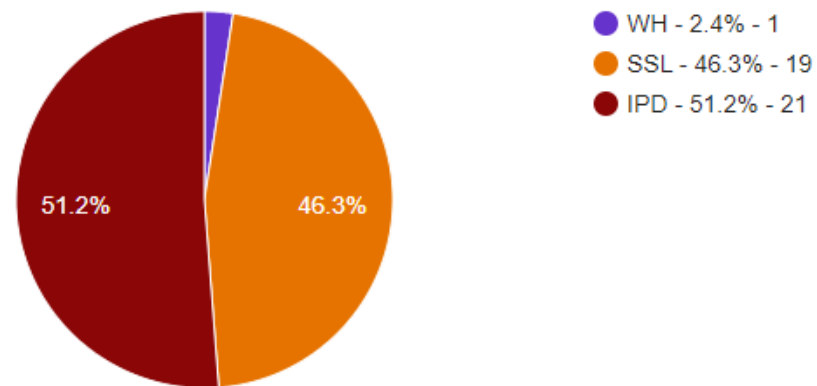
Rolling Complaints by Type



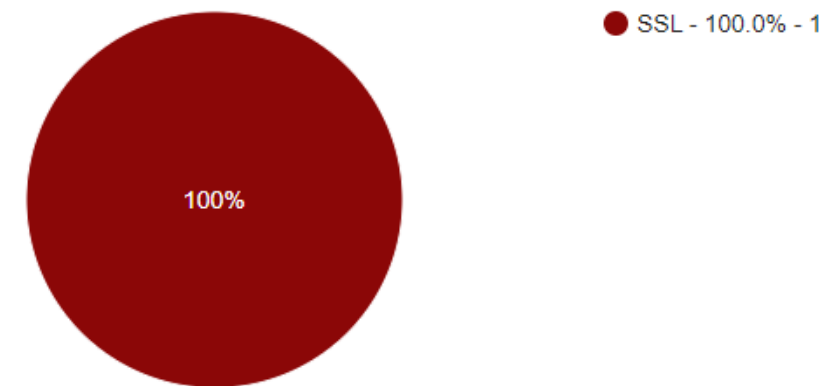
Complaints vs Claims



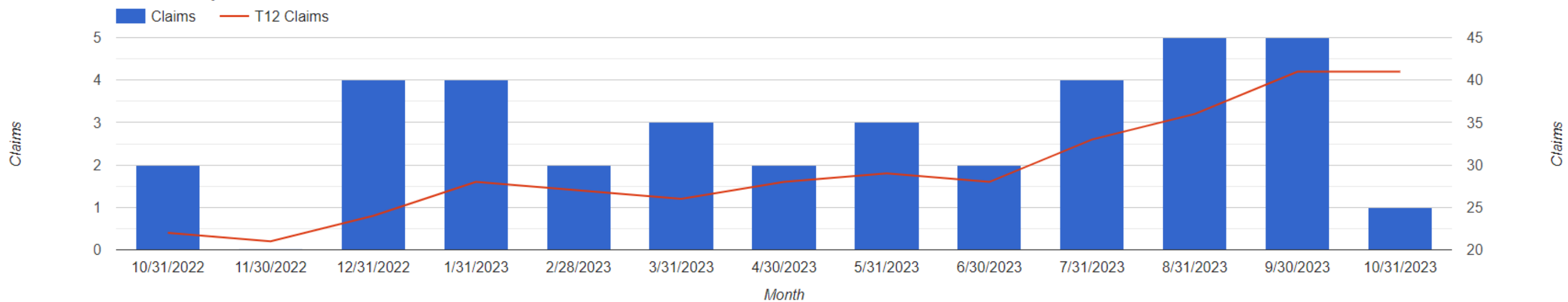
T12 Month Claims by Type



T1 Month Claims by Type



Claims History



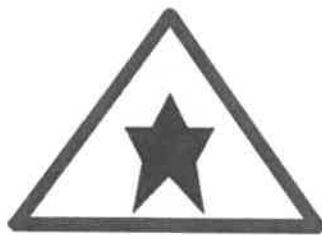
MIDDLETOWN MONTHLY REPORT

APPENDIX 4

WATER MAIN LEAK LOGS

APPENDIX 5

**QUARTERLY METER TEST AND CALIBRATION
REPORTS**



Tri-Star Inc.

Instrumentation - Control - SCADA

INVOICE NO:

1409

ORDER NO:

VERBAL

ES:

RS: 10

CONTRACT NO:

JOB NO:

☐ COMP. ☐ INC.

CUSTOMER:

VEOLIA/MIDDLETOWN WATER & SEWER

Mileage: 60

REPRESENTATIVE:

STEVE SUMMY

DATE:

Q4-10/02 & 10/03/23

DESCRIPTION:

TITLE: QUARTERLY PREVENTIVE SERVICE

REPORT FOR THE QUARTERLY PREVENTIVE & CALIBRATION SERVICE ON EQUIPMENT LISTED ON ATTACHED "LIST OF COVERED EQUIPMENT" CHECKLISTS. ALL HAVE BEEN INSPECTED & CALIBRATED AS REQUIRED. SEE BELOW FOR NOTES IN REFERENCE TO NOTE #'S ON CHECKLIST.

NOTE # COMMENTS:

1. ZEROED METER/TOTALIZER.
2. PUMP TUBING & STIR BAR REPLACED. CLEANED COLORIMETER. (CUSTOMER WILL CHECK CALIBRATION)
3. TEMPORARILY OUT OF SERVICE.
4. INACCURRATE READING WILL OCCUR WHEN FLOW RATE GOES ABOVE "V" NOTCH'S. CUSTOMER IS IN PROGRESS OF LOOKING INTO A REPLACEMENT WEIR.

DUE BY DATE: 01/31/24

CALIBRATION UNITS USED: PLC TOOLS SIM-ALP2, S/N 35333, TRACEABLE M/N 3461 MANOMETER, S/N 221965517, STICK RULER & ISCO FLOW TABLE BOOK

TRI-STAR, INC.

MIDDLETOWN WATER AND SEWER
LIST OF COVERED EQUIPMENT
DATE - OCT Q4 VISIT

REV. 11 02/23
CHECKED BY STEVE SUMMY

LEGEND: X = CHECKED OK
= REF. SERVICE REPORT

SERVICE TECH
AUDIT DAWN BAUMBACH

QUARTERLY

NOTE #	ISO	CO. #	LOCATION	MFG.	SERIAL NO.	MODEL NO.	RANGE	MFG./CAL. PROC. #	ACCURACY
			WELL # 1						
#1			FLOW	TOSHIBA	19620A525	LF620F/GF6300	0-1500 GPM		
X			LEVEL- 215' (93.11PSI)	ENDRESS & HAUSER	S600B115128	PMC51	SCALER 215'		
X			RTU PANEL						
			WELL # 2						
#1			FLOW	ROSEMOUNT	1638038	1151 SMART	0-350 GPM (0-72.38")		
X			LEVEL- 308' (133.4 PSI)	ENDRESS & HAUSER	92000615020	PMC41-RC11P6A21N1	SCALER 346'		
X			RTU PANEL						
			WELL #1&2 CHEM BLDG						
#2			CL2 ANALYZER	HACH	182070018902	CL17			
			WELL # 3						
#3			FLOW	TOSHIBA	17620A358	LF620F/GF6300	0-100 GPM		
#3			LEVEL- 304' (131.7PSI)	ENDRESS & HAUSER	92000515020	PMC41-RC11P6A21N1	SCALER 346'		
#3			RTU PANEL						
			WELL # 4						
#3			FLOW	TOSHIBA	17620A177	LF620/GF630	0-200 GPM 4" MAG		
#3			LEVEL- 390'	SIGMA	2302082-01	5000MP-300-1-DS-410	SCALER 400'		
#3			RTU PANEL						
			TURNPIKE TANK						
#3			LEVEL-0-48 FT (20.7 PSI)	ENDRESS & HAUSER					
			WELL # 5						
#1			FLOW	TOSHIBA	17620A704	LF620F/GF6300	0-300 GPM		
X			LEVEL- 290'	SIGMA	2105468-01	5000MP	SCALER 300'		
X			RTU PANEL						

TRI-STAR, INC.

REV. 11 02/23

MIDDLETOWN WATER AND SEWER
LIST OF COVERED EQUIPMENT
DATE OCT Q4 VISIT

LEGEND: X = CHECKED OK
= REF. SERVICE REPORT

CHECKED BY STEVE SUMMY

QUARTERLY

NOTE #	ISO	CO. #	LOCATION	MFG.	SERIAL NO.	MODEL NO.	RANGE	MFG./CAL. PROC. #	ACCURACY
			WELL # 6						
X			FLOW	PRECISION DGTL	2006-0336315	PD6000-6R0	0-1500 GPM (4/20)		
X			LEVEL- 220'	SIGMA	2105468-02	5000MP-100-1-DS-230	0-220'		
X			LEVEL INDICATOR	PRECISION DGTL	0912-0002082	PD6000-6R3	0-220' OUTPUT 0-220'		
			WELL #6 TREATMENT						
X			FLOW (WELL)	SENSUS	1104A-S-66123D	ACTPAK	0-1600 GPM		
#1			FLOW (FINISHED WATER)	TOSHIBA	20620A389	LF620F/GF6300	0-1000 GPM		
X			SUMP LEVEL	DREXELBROOK	28223	408-8200	SCALER 480"		
X			RTU PANEL						
			BOOSTER PUMP STA.						
X			FLOW	ROSEMOUNT	1638037	1151 SMART	0-400 GPM (0-27.86")		
X			RTU PANEL						
			HIGH ST. TANK						
X			LEVEL	ROSEMOUNT		1151			
X			RTU PANEL						
			UNION STAND PIPE						
X			LEVEL	ROSEMOUNT	1655785	1151 SMART	5'-105' (4/20)		
X			RTU PANEL						
			WWTP OFFICE	MAIN SCADA					
X									



TRI-STAR INC.
300 VINE STREET
MIDDLETOWN, PA 17057

CERTIFICATE OF CALIBRATION

TO VEOLIA-MIDDLETOWN WATER
453 S. LAWRENCE STREET
MIDDLETOWN, PA 1705

Reference to TRI-STAR Job number SERVICE REPORT DATED 10/02 & 10/03/23 FOR
THE QUARTERLY PREVENTIVE SERVICE VISIT AT THE WATER PLANT SITES

TRI-STAR's calibration instrument M/N OMEGA CL27 S/N T.312015
THERMO ELECTRIC M/N 311800001 S/N 60110A-3-1, TRACEABLE M/N 3461, S/N221965517

is traceable to the National Institute Standards Technology

Certified by PRECISE TECHNICAL SOLUTIONS, LLC

Report No. 230433, 13820538 Date 02/16/23, 12/19/22

Code Ref: NONE

Next Certificate of Calibration due: JANUARY 31, 2024

Approved for TRI-STAR Inc.

by Steve Summy

title SERVICE TECH

date October 5, 2023

Steve Summy /h8
Authorized Signature





Calibration complies with ISO/IEC
17025, ANSI/NCSL Z540-1, and 9001



Cert. No.: 3461-13820538

Traceable® Certificate of Calibration for Manometer/Pressure/Vacuum

Manufactured for and distributed by : Traceable® Products 12554 Galveston Rd B230, Webster, TX 77598

Instrument Identification:

Model: 3461,98766-98

S/N: 221965517

Manufacturer: Control Company

Standards/Equipment:

Description	Serial Number	Due Date	NIST Traceable Reference
Pressure Calibrator	8000010402	23 Nov 2023	1000486405

Certificate Information:

Technician: 353

Procedure: CAL-346X

Cal Date: 19 Dec 2022

Cal Due Date: 19 Dec 2024

Test Conditions: 34.17%RH 23.58°C 1020mBar

Calibration Data: (New Instrument)

Unit(s)	Nominal	As Found	In Tol	Nominal	As Left	In Tol	Min	Max	±U	TUR
PSI	N.A.	N.A.		-12.00	-12.00	Y	-12.05	-11.95	0.01	>4:1
PSI	N.A.	N.A.		12.00	12.00	Y	11.95	12.05	0.01	>4:1

This certificate indicates traceability to standards provided by (NIST) National Institute of Standards and Technology and/or a National Standards Laboratory.

A Test Uncertainty Ratio of at least 4:1 is maintained unless otherwise stated and is calculated using the expanded measurement uncertainty. Uncertainty evaluation includes the instrument under test and is calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement": (GUM). The uncertainty represents an expanded uncertainty using a coverage factor k=2 to approximate a 95% confidence level. In tolerance conditions are based on test results falling within specified limits with no reduction by the uncertainty of the measurement. The results contained herein relate only to the item calibrated. This certificate shall not be reproduced except in full, without written approval of Control Company.

Nominal=Standard's Reading; As Left=Instrument's Reading; In Tol=In Tolerance; Min/Max=Acceptance Range; ±U=Expanded Measurement Uncertainty; TUR=Test Uncertainty Ratio; Accuracy=±(Max-Min)/2; Min=As Left Nominal(Rounded) - Tolerance; Max= As Left Nominal(Rounded) + Tolerance;

Nicol Rodriguez

Nicol Rodriguez, Quality Manager

Jenny Ren

Jenny Ren, Technical Manager

Note :

Maintaining Accuracy:

In our opinion once calibrated your Manometer/Pressure/Vacuum Gauge should maintain its accuracy. There is no exact way to determine how long calibration will be maintained. Manometer/Pressure/Vacuum Gauge change little, if any at all, but can be affected by aging, temperature, shock, and contamination.

Recalibration:

For factory calibration and re-certification traceable to National Institute of Standards and Technology contact Control Company.

Issue Date : 19 Dec 2022

3/3/23
H. Baumbach

CONTROL COMPANY 12554 Galveston RD Suite B230 Webster TX USA 77598
Phone 281 482-1714 Fax 281 482-9448 sales@control3.com www.traceable.com

Control Company is an ISO/IEC 17025:2017 Calibration Laboratory Accredited by (A2LA) American Association for Laboratory Accreditation, Certificate No. 1750.01.
Control Company is ISO 9001:2015 Quality Certified by DNV GL, Certificate No. CERT-01805-2006-AQ-HOU-ANAB.
International Laboratory Accreditation Cooperation - Multilateral Recognition Arrangement (ILAC-MRA).



Calibration Certificate

Calibration Certificate No.: 230433

7839 Allentown Blvd., Suite 300
Harrisburg, PA 17112
Phone 1-855-872-3166 Fax 717-545-5077
www.PreciseCalibrations.com

Customer Name:
TRI-STAR, INC
300 VINE STREET

MIDDLETOWN, PA 17057

Instrument ID: 60110A-3-1-1634



Manufacturer: THERMO ELECTRIC
Model Number: 311800001
Serial Number: 60110A3-1
Description: THERMOCOUPLE CALIBRATOR
Department: MAIN (1634)
Location: N/A
Temperature: 71.2 °F
Humidity: 28 %
Accuracy: SEE CALIBRATION DATA SHEET

Procedure: QI-114
Calibration Location: IN HOUSE
Received Condition: IN TOLERANCE
Returned Condition: IN TOLERANCE
Interval: 12 MONTHS
Date Received: 14-Feb-23
Date Calibrated: 16-Feb-23
Date Due: 16-Feb-24
Technician: JSKOCZYNSKI

This instrument has been calibrated in accordance with the Precise Technical Solution's quality system. The standards used in this testing are traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST). This report may not be reproduced, except in full, without the written approval of Precise Technical Solutions LLC.

Remarks

None.

2/27/23
D. Bamber

Reference Standards

Reference Standard	Manufacturer	Model	Traceability No.	Cal. Due Date
PTS-122	HEWLETT PACKARD	3458A	1-7243773776-1	31-Mar-24
PTS-380	FLUKE	5520A / 600 MHZ	270899	31-Jul-24



Calibration Certificate

7839 Allentown Blvd., Suite 300
Harrisburg, PA 17112
Phone 1-855-872-3166 Fax 717-545-5077
www.PreciseCalibrations.com

Calibration Certificate No.: 230433

Customer Name:
TRI-STAR, INC
300 VINE STREET

Instrument ID: 60110A-3-1-1634

MIDDLETOWN, PA 17057

Calibration Data

Description	Standard	Units	Tolerance -	Tolerance +	As Found	P/F	As Left	P/F	Deviation
Thermocouple input 1 K-type	50.000	°C	49.500	50.500	49.8	P	49.8	P	-0.200
	100.000	°C	99.500	100.500	99.8	P	99.8	P	-0.200
	150.000	°C	149.500	150.500	149.8	P	149.8	P	-0.200
	200.000	°C	199.500	200.500	199.8	P	199.8	P	-0.200
Thermocouple input 2 K-type	50.000	°C	49.500	50.500	49.8	P	49.8	P	-0.200
	100.000	°C	99.500	100.500	99.7	P	99.7	P	-0.300
	150.000	°C	149.500	150.500	149.6	P	149.6	P	-0.400
	200.000	°C	199.500	200.500	199.7	P	199.7	P	-0.300
D.C Voltage input	2.000	V	1.500	2.500	2.00	P	2.00	P	0.000
	4.000	V	3.500	4.500	4.00	P	4.00	P	0.000
	6.000	V	5.500	6.500	6.00	P	6.00	P	0.000
	8.000	V	7.500	8.500	8.00	P	8.00	P	0.000
D.C mA input	10.000	V	9.500	10.500	10.00	P	10.00	P	0.000
	10.000	mA	9.200	10.800	10.01	P	10.01	P	0.010
	20.000	mA	19.200	20.800	20.03	P	20.03	P	0.030
	30.000	mA	29.200	30.800	30.05	P	30.05	P	0.050
3 Wire RTD input	40.000	mA	39.200	40.800	40.06	P	40.06	P	0.060
	50.000	mA	49.200	50.800	50.07	P	50.07	P	0.070
	10.000	°C	9.600	10.400	10.00	P	10.00	P	0.000
	50.000	°C	49.600	50.400	50.00	P	50.00	P	0.000
4 Wire RTD input	100.000	°C	99.600	100.400	100.00	P	100.00	P	0.000
	10.000	°C	9.600	10.400	9.80	P	9.80	P	-0.200
	50.000	°C	49.600	50.400	49.90	P	49.90	P	-0.100
	100.000	°C	99.600	100.400	99.90	P	99.90	P	-0.100
RTD output module 0°C@100Ohms	100.000	Ohms	0.000	0.000	100.07	F	100.07	F	0.070
51.565°C @ 120Ohms	120.000	Ohms	119.900	120.100	119.95	P	119.95	P	-0.050
103.943°C @ 140Ohms	140.000	Ohms	139.900	140.100	139.98	P	139.98	P	-0.020



Calibration Certificate

Calibration Certificate No.: 230433

7839 Allentown Blvd., Suite 300
Harrisburg, PA 17112
Phone 1-855-872-3166 Fax 717-545-5077
www.PreciseCalibrations.com

Customer Name:
TRI-STAR, INC
300 VINE STREET

Instrument ID: 60110A-3-1-1634

MIDDLETOWN, PA 17057

Approved By:

A handwritten signature in black ink, appearing to read "Josh Skoczynski", is written over a horizontal line.

Josh Skoczynski
CALIBRATION TECHNICIAN

16-Feb-23

2:13 PM

----- **End of Report** -----

TECH:

DATE:

AUDIT:

DATE:

MONTHLY TEST METER CALIBRATION

A: NEWPORT HHCT-2 S/N T.141388

B: TRANSMATION 1045 S/N B75174

C: OMEGA CL27 S/N T.312015

D: PLC TOOLS SIM-ALP2 S/N 35333

TESTED AGAINST

SHOP STANDARD

THERMOELECTRIC ULTRAMITE

SEE REVERSE SIDE OF SHEET

SEE REVERSE SIDE OF SHEET

SEE REVERSE SIDE OF SHEET

SEE REVERSE SIDE OF SHEET

METER	RANGE	TP #1	DEV.	TP #2	DEV.	TP #3	DEV.	TP #4	DEV.	TP #5	DEV.	CHECKED BY	COMMENTS
A	J	0	0	50	0	100	0	500	0	800	0	Steve Siam	WITHIN TOLERANCE
A	K	50	0	500	0	1000	0	1500	0	2000	0	"	"
A	T	-100	0	-50	0	0	0	50	0	100	0	"	"
B	MV IN	0	0	3	0	15	0	25	0	40	0	"	"
B	50V IN	0	0	5	0	10	0	20	0	30	0	"	"
B	10V IN	0	0	1	0	5	0	7	0	9	0	"	"
B	MV OUT	0	0	5	0	10	0	20	0	30	0	"	"
B	V OUT	0	0	1	0	5	0	7	0	9	0	"	"
C	RTD	0	0	50	0	100	0	150	0	200	0	"	"
C	RTD	250	0	300	0	350	0	400	0	450	0	"	"
C	J	0	0	50	0	100	0	500	0	800	0	"	"
C	K	50	0	500	0	1000	0	1500	0	2000	0	"	"
C	S	100	0	1200	0	2450	0	2700	0	3050	0	"	48 STD
C	T	-100	0	-50	0	0	0	50	0	100	0	"	"
D	V OUT	0	0	1	0	5	0	7	0	9	0	"	"
D	MA OUT	4	0	8	0	12	0	16	0	20	0	"	"

MTMC-1

REV. 8 05/21



TRI-STAR INC.
300 VINE STREET
MIDDLETOWN, PA 17057

CERTIFICATE OF CALIBRATION

TO VELIOA-MIDDLETOWN WATER
453 S. LAWRENCE STREET
MIDDLETOWN, PA 1705

Reference to TRI-STAR Job number SERVICE REPORT DATED 10/02 & 10/03/23 FOR
THE QUARTERLY PREVENTIVE SERVICE VISIT AT THE WWTP

TRI-STAR's calibration instrument M/N OMEGA CL27 S/N T.312015
THERMO ELECTRIC M/N 311800001 S/N 60110A-3-1

is traceable to the National Institute Standards Technology

Certified by PRECISE TECHNICAL SOLUTIONS, LLC

Report No. 230433 Date 02/16/2023

Code Ref: NONE

Next Certificate of Calibration due: JANUARY 31, 2024

Approved for TRI-STAR Inc.

by Steve Summy

title SERVICE TECH

date October 5, 2023

Steve Summy / DS
Authorized Signature





Calibration Certificate

Calibration Certificate No.: 230433

7839 Allentown Blvd., Suite 300
Harrisburg, PA 17112
Phone 1-855-872-3166 Fax 717-545-5077
www.PreciseCalibrations.com

Customer Name:
TRI-STAR, INC
300 VINE STREET

MIDDLETOWN, PA 17057

Instrument ID: 60110A-3-1-1634



Manufacturer: THERMO ELECTRIC
Model Number: 311800001
Serial Number: 60110A3-1
Description: THERMOCOUPLE CALIBRATOR
Department: MAIN (1634)
Location: N/A
Temperature: 71.2 °F
Humidity: 28 %
Accuracy: SEE CALIBRATION DATA SHEET

Procedure: QI-114
Calibration Location: IN HOUSE
Received Condition: IN TOLERANCE
Returned Condition: IN TOLERANCE
Interval: 12 MONTHS
Date Received: 14-Feb-23
Date Calibrated: 16-Feb-23
Date Due: 16-Feb-24
Technician: JSKOCZYNSKI

This instrument has been calibrated in accordance with the Precise Technical Solution's quality system. The standards used in this testing are traceable to the International System of Units (SI) through the National Institute of Standards and Technology (NIST). This report may not be reproduced, except in full, without the written approval of Precise Technical Solutions LLC.

Remarks

None.

2/27/23
D. Samlank

Reference Standards

Reference Standard	Manufacturer	Model	Traceability No.	Cal. Due Date
PTS-122	HEWLETT PACKARD	3458A	1-7243773776-1	31-Mar-24
PTS-380	FLUKE	5520A / 600 MHZ	270899	31-Jul-24



Calibration Certificate

Calibration Certificate No.: 230433

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www.PreciseCalibrations.com

Customer Name:
TRI-STAR, INC
300 VINE STREET

Instrument ID: 60110A-3-1-1634

MIDDLETOWN, PA 17057

Calibration Data

Description	Standard	Units	Tolerance -	Tolerance +	As Found	P/F	As Left	P/F	Deviation
Thermocouple input 1 K-type	50.000	°C	49.500	50.500	49.8	P	49.8	P	-0.200
	100.000	°C	99.500	100.500	99.8	P	99.8	P	-0.200
	150.000	°C	149.500	150.500	149.8	P	149.8	P	-0.200
	200.000	°C	199.500	200.500	199.8	P	199.8	P	-0.200
Thermocouple input 2 K-type	50.000	°C	49.500	50.500	49.8	P	49.8	P	-0.200
	100.000	°C	99.500	100.500	99.7	P	99.7	P	-0.300
	150.000	°C	149.500	150.500	149.6	P	149.6	P	-0.400
	200.000	°C	199.500	200.500	199.7	P	199.7	P	-0.300
D.C Voltage input	2.000	V	1.500	2.500	2.00	P	2.00	P	0.000
	4.000	V	3.500	4.500	4.00	P	4.00	P	0.000
	6.000	V	5.500	6.500	6.00	P	6.00	P	0.000
	8.000	V	7.500	8.500	8.00	P	8.00	P	0.000
D.C mA input	10.000	V	9.500	10.500	10.00	P	10.00	P	0.000
	10.000	mA	9.200	10.800	10.01	P	10.01	P	0.010
	20.000	mA	19.200	20.800	20.03	P	20.03	P	0.030
	30.000	mA	29.200	30.800	30.05	P	30.05	P	0.050
3 Wire RTD input	40.000	mA	39.200	40.800	40.06	P	40.06	P	0.060
	50.000	mA	49.200	50.800	50.07	P	50.07	P	0.070
	10.000	°C	9.600	10.400	10.00	P	10.00	P	0.000
	50.000	°C	49.600	50.400	50.00	P	50.00	P	0.000
4 Wire RTD input	100.000	°C	99.600	100.400	100.00	P	100.00	P	0.000
	10.000	°C	9.600	10.400	9.80	P	9.80	P	-0.200
	50.000	°C	49.600	50.400	49.90	P	49.90	P	-0.100
	100.000	°C	99.600	100.400	99.90	P	99.90	P	-0.100
RTD output module 0°C@100Ohms	100.000	Ohms	0.000	0.000	100.07	F	100.07	F	0.070
51.565°C @ 120Ohms	120.000	Ohms	119.900	120.100	119.95	P	119.95	P	-0.050
103.943°C @ 140Ohms	140.000	Ohms	139.900	140.100	139.98	P	139.98	P	-0.020



Calibration Certificate

Calibration Certificate No.: 230433

7839 Allentown Blvd., Suite 300
Harrisburg, PA 17112
Phone 1-855-872-3166 Fax 717-545-5077
www.PreciseCalibrations.com

Customer Name:
TRI-STAR, INC
300 VINE STREET

Instrument ID: 60110A-3-1-1634

MIDDLETOWN, PA 17057

Approved By:

A handwritten signature in black ink, appearing to read "Josh Skoczynski", is written over a horizontal line.

Josh Skoczynski
CALIBRATION TECHNICIAN

16-Feb-23

2:13 PM

----- **End of Report** -----

TECH:

DATE:

AUDIT:

DATE:

MONTHLY TEST METER CALIBRATION

A: NEWPORT HHCT-2 S/N T.141388

B: TRANSMATION 1045 S/N B75174

C: OMEGA CL27 S/N T.312015

D: PLC TOOLS SIM-ALP2 S/N 35333

TESTED AGAINST

SHOP STANDARD

THERMOELECTRIC ULTRAMITE

SEE REVERSE SIDE OF SHEET

SEE REVERSE SIDE OF SHEET

SEE REVERSE SIDE OF SHEET

SEE REVERSE SIDE OF SHEET

METER	RANGE	TP #1	DEV.	TP #2	DEV.	TP #3	DEV.	TP #4	DEV.	TP #5	DEV.	CHECKED BY	COMMENTS
A	J	0	0	50	0	100	0	500	0	800	0	Steve Siamy	WITHIN TOLERANCE
A	K	50	0	500	0	1000	0	1500	0	2000	0	"	"
A	T	-100	0	-50	0	0	0	50	0	100	0	"	"
B	MV IN	0	0	3	0	15	0	25	0	40	0	"	"
B	50V IN	0	0	5	0	10	0	20	0	30	0	"	"
B	10V IN	0	0	1	0	5	0	7	0	9	0	"	"
B	MV OUT	0	0	5	0	10	0	20	0	30	0	"	"
B	V OUT	0	0	1	0	5	0	7	0	9	0	"	"
C	RTD	0	0	50	0	100	0	150	0	200	0	"	"
C	RTD	250	0	300	0	350	0	400	0	450	0	"	"
C	J	0	0	50	0	100	0	500	0	800	0	"	"
C	K	50	0	500	0	1000	0	1500	0	2000	0	"	"
C	S	100	0	1200	0	2400	0	2700	0	3050	0	"	48 STD
C	T	-100	0	-50	0	0	0	50	0	100	0	"	"
D	V OUT	0	0	1	0	5	0	7	0	9	0	"	"
D	MA OUT	4	0	8	0	12	0	16	0	20	0	"	"

MTMC-1

REV. 8 05/21

MIDDLETOWN MONTHLY REPORT

APPENDIX 6