

May 31, 2022

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

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

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

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

RE: Transmittal of SUEZ Middletown Operations Report April 2022

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

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

Sincerely,

Kodi Webb

Kodi Webb Project Manager Suez Middletown

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







EXECUTIVE SUMMARY

This report covers the monthly period of April 1, 2022 through April 30, 2022.

During this reporting period, SUEZ Middletown met all operational obligations. SUEZ 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

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

Significant operational and maintenance accomplishments for the reporting period include:

- Continue weekly monitoring of the petroleum substance entering the outfall pipe after the WWTP effluent. Short-term mitigation efforts are minimizing the discharge until a long-term plan is approved.
- Continue use of the HachWIMS application for process and regulatory data management and to optimize meeting reporting requirements.
- As COVID-19 Pandemic continues in the U.S., local operations have implemented Business Continuity Plans at the direction of SUEZ-NA with guidance from the CDC and WHO.
- Continue observation of the SmartCover® Sewer Monitoring System at manholes MH-286 at Mill St, MH-290 at Hoffer Park, MH-332 at E. Main St, and MH-475A on E. Water St.
- Work with HRG, Tri-Star, and Kohl Bros. on modifications and upgrades to the groundwater elevation monitoring equipment.
- Continue with Well # 4 Pump Replacement, and integration of new chemical feed system.
- Installation of Safety Upgrades for Water and Wastewater systems.
- Continue overseeing Vine Street Capital Project.
- Repair damaged water main caused by another utility, main break on N. Pine St.
- Triennial PA DEP Water System Inspection. No major deficiencies were noted.



Regulatory Compliance

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

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

Environment, Health and Safety

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



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 April was successfully completed on April 27th, 2022.
- Restarted the Delinquent Notification and Shut-Off Program which was previously suspended due to COVID-19
 - Sent 193, 10 day shut-off notices to accounts that were \$50 past due for the March 2022 billing period
 - Posted 57 properties with 3 day shut-off notices

Engineering and Capital Expense

A complete breakdown of the proposed projects and significant accomplishments for the Engineering and Asset Management areas are included in the Engineering section of this report. SUEZ 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

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



MONTHLY OPERATIONS REPORT

SUEZ 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.

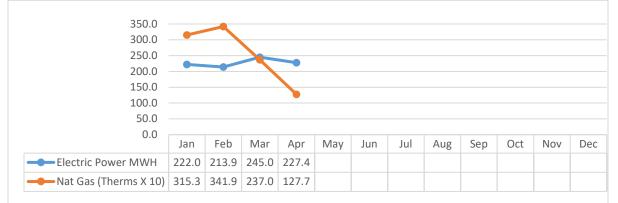
Quality Control Reporting

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. SUEZ has developed the SPOT2023 initiative which, in part, looks to identify and implement Energy Efficiencies throughout operations.



Sustainability

Objectives for sustainability will be developed in the coming months.

Water System and Wastewater Treatment Plant Maintenance

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

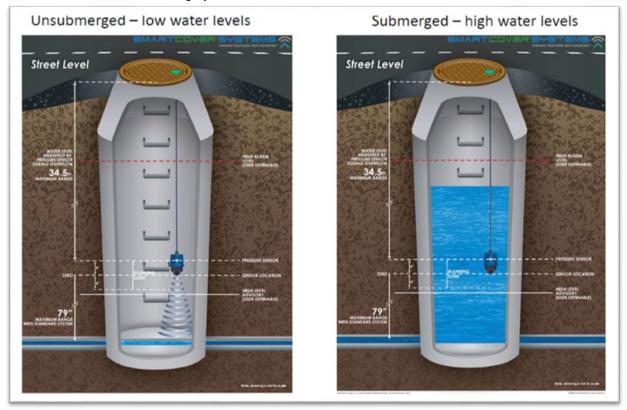
System	Equipment	Process Location	Date Off Line	Reason for Taking Off Line	Date Returned to Service
Water	Well Pump	Well 4	2/26/21	Pump Failure	In Progress
Water	Fluoride Pump	Well 4	2/26/21	Pump upgrades and SCADA integration	Pending Upgrade
Water	Well Pump	Well 3	9/14/21	Pump Failure	In Progress
Water	Booster Pump 2	Pump Station	1/26/22	Pump Failure	In Progress
WWTP	Raw 2	Raw	2/7/22	Seal Failure	In Progress

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT APRIL 2022



Sanitary Sewer System

SmartCover® Sewer Monitoring System



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

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

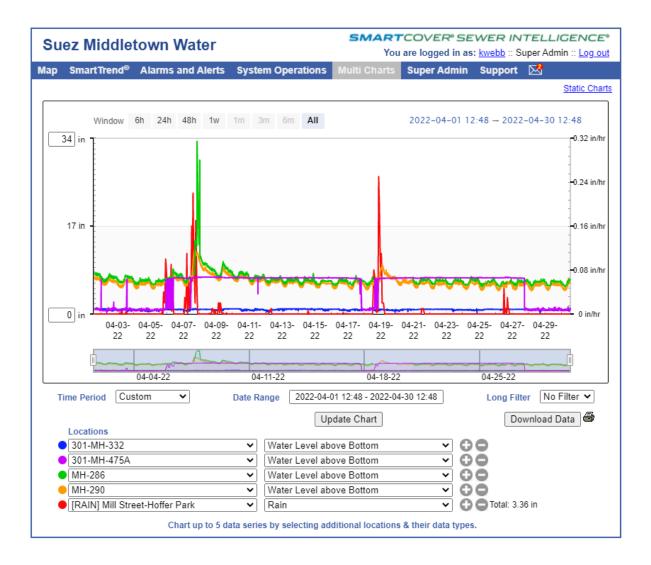
There were false readings caused by misalignment at MH-475A.



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	4	0	0
Current	0	0	0	0
YTD	0	8	11170	0
On Target – G	ood Work	Caution Si	gnificantly Behind	Goal

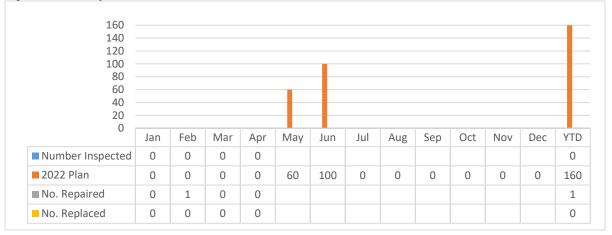
KPI Comments

- Water Loss: Identifying and reducing the system water loss has been a key focus for SUEZ. In an effort to identify and resolve the sources of water loss, we 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, SUEZ has identified and is in the process of testing and replacing 10% of the systems small meters, starting with the oldest meters.
- Water Main Valves Exercised: A comprehensive condition assessment program was part of the development of the asset management program. The program includes valve identification and location, condition assessment, exercising, determining the number and direction of turns, etc. Identifiers are being created using GIS data that was collected during the first phase of the project. Valves that have been identified in need of repair or replacement will be scheduled for repair or replacement over time based on operational priority of the valve.
- Hydrants inspected and maintained: The hydrant inspection and preventative maintenance program will be completed in conjunction with the annual water main and hydrant flushing program.
- Sanitary Mains Cleaned/CCTV Inspected: The 2021 CCTV requirement was completed in January 2022. Sanitary main cleaning and CCTV inspections will continue to meet the 2022 requirement.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT APRIL 2022



Hydrants Inspected, Tested and Flushed



Water Main Valves Exercised

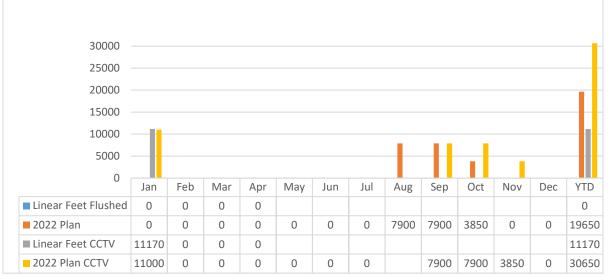
50													
40													
30						_							+
20						_							+
10						_							
0			_										
Ũ	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Number Exercised	4	0	0	3									7
2022 Plan	0	0	0	0	60	60	0	0	0	0	0	0	120
No. Replaced	0	0	1	0									1



35.00													
30.00							-						-
25.00							-						۰
20.00							-						•
15.00							-						-
10.00													•
5.00							1						1.4
0.00	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD
Miles Surveyed	0.00	0.00	0.00	0.00									0.00
2022 Plan Survey	0	0	0	0	0	0	35	0	0	0	0	0	35
Main Leaks Located	1	0	0	1									2
Main Leaks Repaired	1	0	0	1									2
Service Leaks Located	0	1	1	1									3
Service Leaks Repaired	0	1	1	1									3
 Estimated Leakage (Gallons/Day x 1000) 	4	2	3	2									11

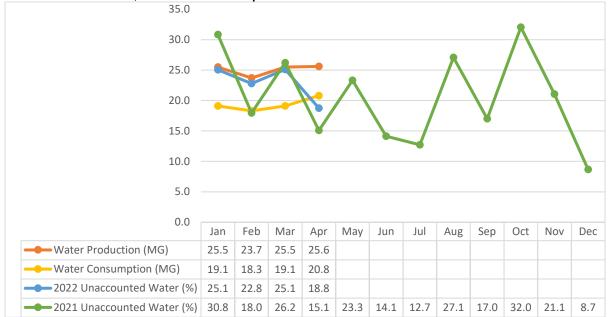
Water System Leak Detection

Wastewater Mains Cleaned/CCTV Inspected



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





Water Production, Water Consumption and Unaccounted Water

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

A00 350 300 250 250 150 150 150 0 0		*										
Ή Η Μ	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	54	52	57	53								
	168	162	187	175								
	222	214	245	227								
Natural Gas Use (Therms x 10)	315	342	237	127								
	16	14	16	19								

Utilities: Electric Power, Natural gas & Potable Water Use



Chemical	Units	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Hypochlorite (Water)	gal	237	201	216	239									893
Hydroflurosilic Acid	lbs	251	267	305	311									1134
Alum	gal	1309	1274	1466	1382									5431
Thickening Polymer	gal	45	65	64	64									238
Dewatering Polymer	gal	60	90	113	85									348
Chlorine (WWTP)	lbs	384	412	384	537									1717
Lime	lbs	3464	4692	5798	4425									18379

Process Chemicals: Water and WWTP Treatment

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. SUEZ will continue to monitor the system for the need of a program and initiate accordingly.

Facility Security

There were no security issues or events during the month.

Meter Testing

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

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



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									1	1	0	0	2
Water Process	17	0	0	15									17	15	0	0	32
Interconnect/Large	0	0	0	0									0	0	0	0	0
Small Meter	0	0	1	0									1	0	0	0	1
TOTAL	18	0	1	16	0	0	0	0	0	0	0	0	19	16	0	0	35

Upcoming Month Operational Priorities

- Continue utilization of the Llumin CMMS System to create and track work orders. and perform scheduled equipment maintenance.
- Continue to monitor and refine unaccounted Non-Revenue Water (NRW) losses.
- Continued focus on staff safe work practices and safety, especially concerning COVID-19.
- Univar Meter Replacement.
- Groundwater Elevation Plan and upgrades to well level sensor equipment.
- Upgrades to Chemical Feed Systems.
- Continue Well # 4 Pump Replacement.
- Safety Upgrades to water and wastewater systems.
- Assist in coordinating the day-to-day needs of the Capital Improvement Project.
- Continue painting hydrants as weather allows.
- Hydrant flushing
- Begin annual tank draining and cleaning



Customer Service

Highlights

SUEZ Middletown closed the the Customer Service Office and Administration building to customers and non essential visitors at the start of the COVID-19 pandemic. At this time the window is still closed, but the telephone and drop box for payments remain open. Call volume increased in April with a total of 866 calls received. Call volume has remained high due to an increased number of customers making payments over the phone. All calls received by answering service or that were placed to the answering service after office hours were responded to. The JV submitted an application for the State's Low Income Housing Water Assistance Program (LIHWAP) in January 2022. Customers have been utilizing the LIHWAP program.

The release of bill files for printing and mailing this month occurred in 2 days with bills for services provided April being mailed to customers on April 28th. The average gross monthly collection rate for April was 107% and 102.32% 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 33 accounts this month, which is the up from last month. There were no idle meters with consumption this month.

The number of Field Service Requests in April was 52. Field Service Requests have resumed due to lower COVID threat level.

In March of 2021, SUEZ implemented a new customer bill design. The re-design will help customers compare the current month's consumption to prior month's consumption. This re-designed format has resulted in an increased number of customers who have subscribed to Auto Pay. Prior to the re-design, we were averaging around 270 customers, now we are up to approximately 356 who have enrolled in the Auto Pay program.



Customer Service: Calls by Type

	_														
Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD	2021	2020
General Acct. Info	9	12	16	18									55	131	179
Bill Inquiry	210	99	176	167									652	934	764
Finals	14	9	20	26									69	173	182
New Account	12	7	11	12									42	98	91
Meter Reading/Re- Reads	0	0	2	2									4	0	5
Payments	562	597	584	557									2300	6127	5710
Collection Letter	9	47	56	52									164	168	56
Rates	0	5	2	0									7	30	14
Complaints	0	0	0	0									0	1	11
Sewer	0	0	0	0									0	12	17
Leaks	0	0	0	0									0	11	12
No/Low Water Pressure	0	0	0	0									0	6	10
Copy Of Bill	77	0	0	3									80	2	3
Correct. Bills	0	0	0	0									0	0	1
Mtr Change Out	0	0	0	0									0	1	0
Customer Correspondance	78	119	68	49									314	922	206
Discolored/Water Quality	0	0	0	0									0	0	1
Calls Referred to SUEZ Hbg	2/1	25	30	29									118	439	659
Calls from City / Other Org	0	0	0	0									0	1	0
Compliments	0	0	1	0									1	18	0
2022 TOTALS	1005	920	966	915	0	0	0	0	0	0	0	0	3806		
2021 TOTALS	697	659	779	759	726	772	719	781	803	866	799	714		9074	
2020 TOTALS	723	667	669	650	601	675	643	613	724	721	594	641			7921

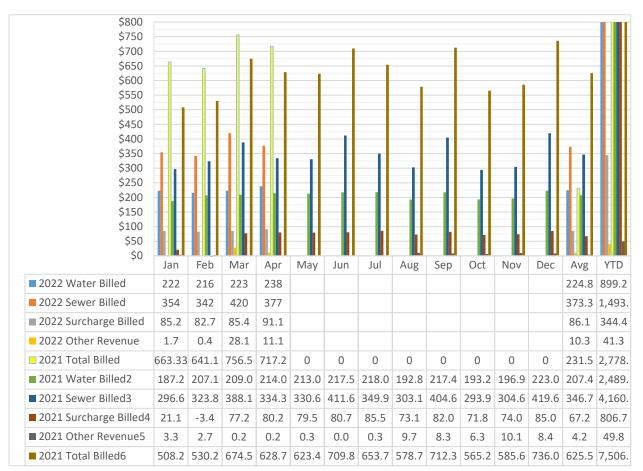
Note: Noise and personnel complaints are tracked under "Complaints" in the chart above.

Customer Service: Billing

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

* Neptune is the meter manufacturer

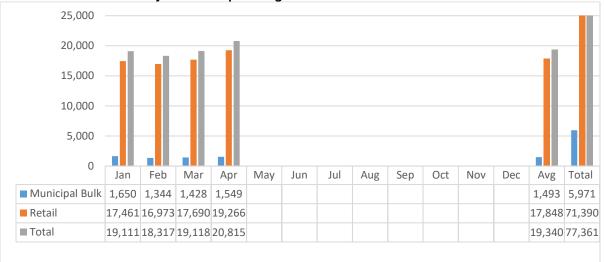




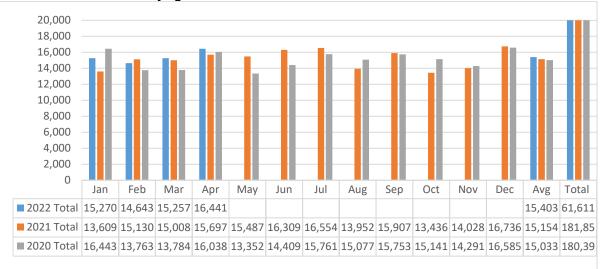
Dollars Billed - Water and Sewer (dollars X1000)

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





Water Sales - Monthly Consumption (gallons X 1000)

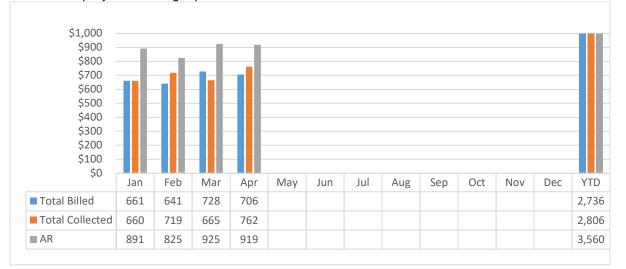


Sewer Sales – Monthly (gallons X 1000)

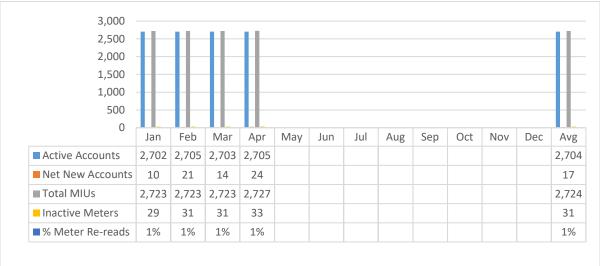


Collections (dollars X 1000)

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

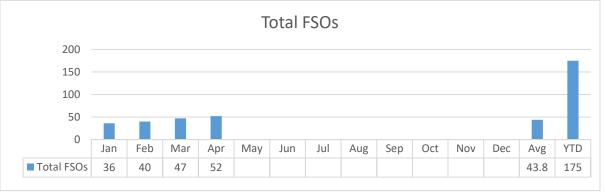


Accounts & Meters





Field Service Requests



Service Disruptions

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

Service Disruptions Summary

Туре	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
Unplanned	1	0	0	0									1	0	0	0	1
2022 TOTAL	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1

Water Quality

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

Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Taste and Odor	0	0	0	0									0	0	0	0	0
Discolored	0	0	0	0									0	0	0	0	0
Boil Water Notices	0	0	0	0									0	0	0	0	0
2022 TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water Quality Complaints Summary

There were no water quality complaints during the reporting period.

Sewer and Collection Issues

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

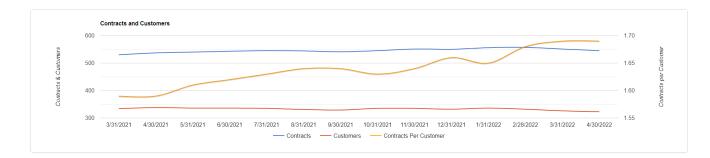
Sewer addity com				,													
Call Type	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Q1	Q2	Q3	Q4	YTD
Back-up / Blockage	0	0	0	0									0	0	0	0	0
Odor	0	0	0	0									0	0	0	0	0
2022 TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2021 TOTAI	0	0	0	0	0	0	0	1	0	0	0	1	0	0	1	1	2

Sewer Quality Complaints Summary

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT APRIL 2022



Home Serve USA



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

Next Month Customer Service Priorities

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



MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT FEBRUARY 2022



Water Sales Test Period

Water Sales Test Period No. 3	Calendar	Jan	Feb	Mar	Anr	May	Jun	Jul	Aug	Son	Oct	Nov	Dec	ΥT	D
1/1/2021 to 12/31/2023	Year	Jdll	ren	IVIdI	Apr	Ividy	Juli	Jui	Aug	Sep	001	NUV	Dec	Total	Avg
Total consumption for the	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
month (gallons)	2022	19,111,100	18,317,500	19,119,800	20,815,300									77,363,700	19,340,925
montin (ganons)	2023														
	2021	31	28	31	30	31	30	31	31	30	31	30	31	365	30
Billing Period (days)	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	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
(gallons)	2022	17,460,800	16,973,300	17,690,900	19,266,000									71,391,000	17,847,750
(ganons)	2023														
Retail Sales - Average Daily	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
(gallons per day)	2022	563,252	606,189	570,674	642,200									2,382,315	595,579
(ganons per day)	2023														
Avg retail water sales (gal)		528,337	610,171	563,219	618,750	572,852	608,157	609,397	514,487	625,280	516,081	549,113	624,145	4,630,234	584,379
B. H. Mariainal Color, Tatal	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
Bulk Municipal Sales - Total	2022	1,650,300	1,344,200	1,428,900	1,549,300									5,972,700	1,493,175
month (gallons)	2023														
Bull Municipal Average Daily	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
Bulk Municipal - Average Daily	2022	53,235	48,007	46,094	51,643									198,980	49,745
(gallons per day)	2023														
Avg Bulk Customer sales (gal)		53,845	68,745	67,176	70,188	85,526	90,180	53,748	51,494	57,903	50,548	51,483	59,442	510,116	59,091
										Contra	ct Daily Bulk			nit (gal/day) = lus (gal/day) =	62,970 No Surplus
			C							^		and a disc post			F04 370

Sum of Actual Average daily volume of Metered water sales to Retail Water Customers over Test period + Bulk Sales Surplus (gal/day) = 584,379

Contract Daily Water Sales Upper Limit (gal/day) = 639,340



Engineering and Capital Improvements

Capital improvement projects for the water and wastewater systems have been developed for 2022 and presented in the draft Five-Year Capex Plan to the Concessionaire and Borough. The projects are divided into Base CAPEX projects and Major CAPEX projects. Careful consideration is given when awarding projects to ensure that experienced and responsible contractors that meet the Responsible Contractor Policy are selected.

Proposed Base Capex Projects

Capital Projects from the Base CAPEX are listed below:

- Water/Wastewater Performance Evaluation: As part of a contractual obligation, SUEZ 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 SUEZ, 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.



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" involves 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 is secured for this project. A preconstruction meeting was held with HRG and EK Services in May 2021. EK Services is working 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.

The next project scheduled is the "2018/2021 Underground Infrastructure Upgrades" which involves approximately 5,000 LF of water main replacement in addition to the replacement of 1,000 LF of sewer system and upgrades of deteriorating sewer manholes. Recently, HRG reached the 90% design milestone. Approximately, 4,000 LF of sewer mains were CCTV'ed for condition assessment and a presentation of the video footage and the analysis with recommendations were delivered at the August 2021 Operating Committee meeting. The project design was completed in October 2021.

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 SUEZ 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. Due to the re-bid and weather conditions not allowing re-coating work in winter, the High Street Tank is anticipated to be rehabilitated in Q2 of 2022 followed with the Union St Tank in fall of 2022 and the Turnpike Tank in spring 2023. The permit for the High Street tank has been approved by PA DEP. The permits for Union St Tank and Turnpike Tank are currently under review by PA DEP.

Capital Improvement Plan

The following DRAFT Capital Improvement Plan was submitted on February 28, 2022.

MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT APRIL 2022



SEWER COLLECTION, CONVEYANCE, & TREATMENT FACILITIES DRAFT - 5 Year Capital Improvements Plan (2022-2027) February 28, 2022

					2	022 and 5 YE/	AR C	APITAL IMPRO	OVEN	VENT PLAN				
BASE CAPITAL IMPROVEMENTS		2021		2022		2023		2024		2025		2026		2027
Headworks Wet Well Pump and Tank Rehabilitation Project					s	45,000	s							_
Well No. 4 Rehabilitation Project	s	-	s	-	Š	.5,000	ŝ	-	s	70.000	s	70,000	s	
Well No. 3 Stripping Tower Rehabilitation Project	ŝ	15,000	Š	-	Š		Š	-	Ť	,0,000	Ý	,0,000	Ŷ	
Well Upgrades (Pumps, controls, automation)	Ť	15,000	Š	122,000	ŝ	38,000	Ť							
Ventilation of ATAD Building Project	s	-	Š		Š	50,000	s	-						
Fire Alarm System Design Project	Š	-	Š	-	ŝ		Š	-						
Chlorine Analyzer Replacement Project	Ş		ŝ		ŝ		ŝ		-					
Blower Building Instrumentation Replacement Project	ŝ		Ŷ		Ŷ		ŝ	10,000	-					
SCADA Upgrade Project	Ş		s	-	s	-	ŝ	25,000						
WAS Storage Tank Instrumentation Replacement Project	ŝ		ŝ	-	ŝ	-	č	15,000						
Biofilter Instrumentation Replacement Project	s	_	ç c	-	ŝ	-	e e	15,000						
ATAD & SNDR Reactors Instrumentation Replacement Project	ş	14,500	ş S	14,500	ş S	11,500	ې د	-			-			
ATAD & SNDR Reactors Instrumentation Replacement Project Headworks Instrumentation Replacement Project	ş	14,500	ş	14,500	ş	11,500	ې د	27,000	-		-			
Headworks Instrumentation Replacement Project Biosolids Processing Instrumentation Replacement Project	Ş	-	ې د	-	ş		ې د	27,000	-		<u> </u>			
	s	-	ş	-	ş	-	ş	-						
Oxidation Ditch Instrumentation Replacement Project	ş	40,000	Ş	-		-	ş	-						
Scum Pump Station Instrumentation Replacement Project		-	Ş	-	\$	-	ş	-						
WWTP Facilities Security Upgrades Project	\$	-	Ş	-			\$	-	\$	30,000	\$	20,000	ş	20,000
Well Facilities Security Upgrades Project	\$	-	Ş	-			ş	-	Ş	-	\$	20,000	\$	20,000
Well Evaluation and Upgrades Project	\$	-	Ş	-	\$	-	ş	-						
Trench Opening Restoration Project	\$	70,150	ş	50,000	\$	50,000	ş	50,000	\$	50,000	\$	50,000	\$	50,000
Water and WWTP System Evaluations	\$	28,750	\$	28,750	\$	28,750	Ş	28,750	\$	30,000	\$	30,000	\$	30,000
WWTP Electrical Upgrades	\$	-	Ş	-	\$	-	Ş	25,000	\$	25,000	\$	25,000	\$	25,000
WWTP Safety Compliance Project	\$	-	Ş	-	\$	-	Ş	50,000						
Water and Wastewater Systems Miscellanous Upgrades	\$	180,000	Ş	170,000	\$	170,000	Ş	150,000	\$	162,000	\$	160,000	\$	235,000
Safety Upgrades	\$	10,600	\$	-	\$	-	\$	-	\$	20,000	\$	20,000	\$	20,000
TOTAL BASE CAPITAL IMPROVEMENTS *	\$	359,000	\$	385,250	\$	393,250	\$	380,750	\$	387,000	\$	395,000	\$	400,000
PROPOSED YEARLY BUDGET FOR BASE CAPITAL PROJECTS **	Ş	368,367	Ş	385,312	Ş	403,037	Ş	421,576	Ş	440,969	Ş	461,253	Ş	482,471
MAJOR CAPITAL IMPROVEMENTS		2021 *		2022 *		2023 *		2024 *		2025 *		2026 *		2027 *
Underground Infrastructure Replacements (2023 - 2026)	\$	-	s		s	2,394,090	ŝ	2,394,090	s	2,394,090	s	2,394,090	\$	2,394,090
Underground Infrastructure Replacements (2016)	Ľ.		ŝ	-	s	-	s		s	-	s	-	s	
Underground Infrastructure Replacements (2017)	\$	275,074	¢	1,157,425	s		¢	-	s	-	Ś	-	Ś	-
Underground Infrastructure Replacements (2017)	Ş	49,500	¢ ¢	1,596,000	ŝ	-	¢.	-	¢ ¢		¢	-	¢	
Underground Infrastructure Replacements (2019) ***	Ş	268,000	¢ ¢	1,550,000	¢	-	¢.	-	ŝ		¢	-	ŝ	
Underground Infrastructure Replacements (2019)	ې \$	208,000	э с	1,157,425	ç ç	-	о С	-	e e	-	ç	-	ç	
Underground Infrastructure Replacements (2020)	ş	49,500	э с	1,157,425	ç ç	-	у с	-	э S	-	ç	-	ş	
Underground Infrastructure Replacements (2021)	ş	49,500	э с	30,333	ş S	2,287,000	о С	-	э S		ç ç	-	ç c	
Underground Infrastructure Replacements (2022) Water Storage Tank Rehabilitation - Union Street	ş	-	э с	50,333	ې د	1,309,083	ې د	-	ş S	-	ş	-	ş	
Water Storage Tank Rehabilitation - Onion Street Water Storage Tank Rehabilitation - High Street	ş S	-	ч с	1,216,988	ې S	1,305,085	e e	-	э S		ې S	-	ş	
Water Storage Tank Rehabilitation - High Street Water Storage Tank Rehabilitation - Turnpike	ş S	-	ş	955,938	ş S	-	ş S	-	ş S	-	ş	-	ş	
	ş S	-	ې د	,		224.054	ş S	119,704	Ŧ	110 704	T	110 704	T	110 704
Contingency (5%)		-	2	276,859	Ş	234,054	ې د	,	ې د	119,704	Ş	119,704	\$	119,704
TOTAL MAJOR PROJECTS	Ş	917,148	Ş	7,986,967	Ş	6,224,227	Ş	2,513,794	Ş	2,513,794	Ş	2,513,794	Ş	2,513,794
REGULATORY COMPLIANCE														
WWTP Effluent Outfall Rehabilitation ****	_		_			356,500	_				_			

WWTP Effluent Outfall Rehabilitation ****			\$	356,500				
TOTAL CAPEX	\$ 1,285,515	\$ 8,372,279	\$ 6,9	983,764 \$	2,935,370	\$ 2,954,763	\$ 2,975,047	\$ 2,996,265

Environment, Health & Safety

	Jan	Feb	Mar	Apr	May	unſ	Jul	Aug	Sep	Oct	Nov	Dec	ΥTD
Environmental Incidents – Regulatory (PADEP/USEPA) notifications	0	0	0	0									0
Concessionaire Notifications	0	0	0	0									0
Incident Email Notifications	0	0	0	0									0
Environmental Incidents – Appletree Hotline notifications	0	0	0	0									0
Environmental Incidents – Appletree Hotline notifications/chemical spills	0	0	0	0									0
Non-compliance – violations	0	0	0	0									0
Reporting non-compliance	0	0	0	0									0
Safety related incidents – OSHA lost time	0	0	0	0									0
Total days lost	0	0	0	0									0
Safety related incidents – Preventable	0	0	0	0									0
Safety related – Near Miss	0	0	0	0									0
Employee lost-time – not job-related – total as sick hours	73.5	16	16	10									115.5
								On Targ	get	Caution	Mee ⁻ Targ	ts/Excee et	eds



May 31, 2022

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

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

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

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

RE: Laboratory Supervisor Certification – April 2022

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

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

Kodi Webb

Kodi Webb Project Manager Suez Middletown



May 31, 2022

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

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

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

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

RE: Environmental Laws Certification- April 2022

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

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

Kodi Webb

Kodi Webb Project Manager

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 > Fri, May 20, 2022 at 11:46 AM To: kodi.webb@veolia.com, mitchell.swartz@suez-na.com, jesse.randles@suez.com, michael.barger@veolia.com, gene.lank@veolia.com

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

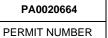
Facility Name: MIDDLETOWN STP Permit Number: PA0020664 Report Frequency: Monthly Report Type: DMR Reporting Period: 04/01/2022-04/30/2022 Report Due Date: 05/28/2022

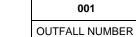
Submitted By: Kodi Webb Submission Id: 329435 Submission Status: Received Submission Type: Original To view the details of this report, access the eDMR system through DEP's GreenPort and select the link for View/Revise Submitted.



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

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





			ΜΟΝΙΤΟ	DRING F	PERIOD		
	YEAR	МО	DAY		YEAR	MO	DAY
FROM	2022	04	01	то	2022	04	30

Reporting Frequency:
DMR Effective From:

DMR Effective To: Permit Expires:

Permit Application Due:

No Discharge:

04/01/2022	
04/30/2022	
02/28/2026	
09/01/2025	

PARAMETERS REPORTED VALUES

PARAMETER		QUA	NTITY OR LOAI	DING		QUANTITY OR CO	UNCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMI LING I REQUENCI	
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.26	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Daily Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	7.2	***	7.6	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	118	153	lbs/day	***	8.0	11.0	mg/L	2/week	24-Hr Composite
	Permit Requirement	550 Avg Mo	826 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		2/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 2.85	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610)	Sample Measurement	***	***	***	***	.13	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< 1.0	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	< 1.86	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	4.0	***	lbs/day	***	.25	***	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	1.689	3.661	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.3	.48	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.5 Avg Mo	1.6 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 1219.8	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	56.8	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
otal Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 420.6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 799.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	105.7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055)	Sample Measurement	***	***	***	***	< 6.0	62	No./100 ml	2/week	Grab
(Oct-Apr)	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	< 68	< 149	lbs/day	***	< 4.0	< 7.0	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		Р	A00206	64]		001		Reporting Frequency:	Monthly
ADDRESS:	9W 57TH ST STE 4200, NEW YORK NY, 10019		PER		MBER		OUTF	ALL NU	MBER	DMR Effective From:	04/01/2022
FACILITY:	MIDDLETOWN STP					1				DMR Effective To:	04/30/2022
LOCATION:	453 S LAWRENCE ST, MIDDLETOWN PA, 17057-1132				MONITC	RING F	PERIOD			Permit Expires:	02/28/2026
STAGE:	Effluent Net					_	-			Permit Application Due:	09/01/2025
			YEAR	MO	DAY		YEAR	МО	DAY	No Discharge:	
		FROM	2022	04	01	то	2022	04	30		

PARAMETERS REPORTED VALUES

PARAMETER		QUAN	ITITY OR LOA	DING	Q	UANTITY OR C	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE	
PARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCT	SAWFLING ITFE	
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 1219.8	***	lbs	***	***	***	***	1/month	Calculation	
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation	
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	105.7	***	lbs	***	***	***	***	1/month	Calculation	
	Permit Requirement	Monitor & Report Total Mo	***	1	***	***	***		1/month	Calculation	
Facility Sampling Point Comments				•							



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

PA0020664 001 NAME: MIDDLETOWN WATER JT VENTURE LLC Reporting Frequency: Monthly ADDRESS: 9W 57TH ST STE 4200, NEW YORK NY, 10019 DMR Effective From: 04/01/2022 PERMIT NUMBER OUTFALL NUMBER FACILITY: **MIDDLETOWN STP** DMR Effective To: 04/30/2022 LOCATION: 453 S LAWRENCE ST, MIDDLETOWN PA, 17057-1132 Permit Expires: 02/28/2026 MONITORING PERIOD STAGE: **Raw Sewage Influent** Permit Application Due: 09/01/2025 MO YEAR MO DAY YEAR DAY No Discharge: FROM 04 2022 01 то 2022 04 30

PARAMETERS REPORTED VALUES

PARAMETER		QUA	NTITY OR LOA	DING	Q	UANTITY OR CO	ONCENTRATIO	N	SAMPLING FREQUENCY	SAMPLING TYPE
FARAMETER		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	SAMPLING FREQUENCI	SAMPLING TIPE
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	2723	5571	lbs/day	***	183	***	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	2241	3952	lbs/day	***	158	***	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
4-22 Effluent Supplemental.xlsx	Daily Effluent Monitoring Form	2022-05-06T13:43:45-04:00	
4-22 Influent Supplemental.xls	Influent and Process Control Form	2022-05-06T13:44:01-04:00	
2022 Annual_Chesapeake_Bay_Spreadsheet_v2.2 .xlsm	Annual Chesapeake Bay Spreadsheet	2022-05-06T13:44:18-04:00	
4-22 Biosolids.xls	Sewage Sludge / Biosolids Production and Disposal Form	2022-05-06T13:43:27-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point		Cause Of Non-Compliance		Corrective Action		Comments	
NAUTHORIZED DIS	CHARGES														
Non-Compliance ID	Event Start Date	ent Start Date Event End Date Date and Time Discovere			Substance Event Location Discharged		Volume (gal) Duration (hrs) Receiving		Receiving Waters	Impact On Waters	t On Waters Cause Of Discharge		Date and Time DEP Notified Orally		Comments
HER PERMIT VIO	ATIONS														
Non-Compliance ID Non-Compliance Type Sar			Sampling Point Parameter				Reported Value		Permit Limit			Comments			
DMMENT DETAILS		Comments				0	perator Name			Operator Certificatio	n Numbor		Operate	r Contact Numbe	
					Gene A. Lank II			246163				(717)-471-1813			
JBMISSION INFOR	MATION														
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						Kodi Webb	bb	TELEPHONE		DATE					

	GREENPORT USER	electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under	Kodi Webb			1			1
kwebb2	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 these persons directly responsible for gathering the information the		(717)	209-2736	2022	05	20		
	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).	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	МО	DAY		

Ŕ										
-	Name:	Middletown S					Month: Apr		Year:	2022
unicip	pality:	Middletown B	orough	Cou	nty: Dauphin	<u> </u>	NPDES Permi			
/aters	hed:	7-C	_				Renewal appli	cation due <u>180 days</u> pr	ior to expiration.	
			-				This permit wi	I expire on: Febru	ary 28, 2026	_
			Influent					Process Control		
	Flow	BOD₅	BOD₅	TSS	TSS	Aeration MLSS	Aeration DO	Sludge Wasted		
Day	(MGD)	(mg/l)	(lbs)	(mg/l)	(lbs)	(mg/l)	(mg/l)	(gallons)		
1	1.7598					4,990.0		20,000.0		
2	1.4384							20,000.0		
3	1.4142							20,000.0		
4	1.438	206.0	2,471	262.0	3,142	4,666.0		20,000.0		
5	1.6179	178.0	2,402	170.0	2,294	4,671.0		22,000.0		
6	1.8869					4,512.0		20,000.0		
7	3.6607					4,817.0		20,000.0		
8	2.5395					4,475.0		20,000.0		
9	2.4768							20,000.0		
10	2.0509							20,000.0		
11	1 0467	162.0	2 5 1 0	116.0	1 707	E GEA O		25,000,0		

10	2.0509						20,000.0	
11	1.8467	163.0	2,510	116.0	1,787	5,654.0	25,000.0	
12	1.5766	99.7	1,311	126.0	1,657	5,699.0	20,000.0	
13	1.5532					4,638.0	24,000.0	
14	1.5542					4,802.0	24,000.0	
15	1.4083						24,000.0	
16	1.3761						24,000.0	
17	1.3889						24,000.0	
18	2.5207	265.0	5,571	188.0	3,952	4,503.0	28,000.0	
19	2.0273	206.0	3,483	82.0	1,386	4,477.0	20,000.0	
20	1.5793					4,801.0	28,000.0	
21	1.5476					4,486.0	25,000.0	
22	1.4306					4,505.0	25,000.0	
23	1.4004						25,000.0	
24	1.3353						25,000.0	
25	1.427	162.0	1,928	164.0	1,952	4,457.0	30,000.0	
26	1.3865	182.0	2,105	152.0	1,758	4,284.0	30,000.0	
27	1.3398					4,140.0	30,000.0	
28	1.3378					4,154.0	30,000.0	
29	1.1887					4,133.0	30,000.0	
30	1.1503						30,000.0	
31								
Avg	1.689	183	2,723	158	2,241	4,643	24,100	
Max	3.661	265	5,571	262	3,952	5,699	30,000	

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

Prepared By:	Gene A. Lank II	License No.:	246163
Title:	Operator	Date:	5/6/2022

Þ	DEPART PROTEC	INSYLV IMENT OF ER	Vania NVIRONMEN	TAL					IENTAL R UENT MO						38	00-FM	-BCW0435 3/2012									
Facility	/ Name:	Mide	dletown S1	ГР							Month:	4 (select number)		Year:	202	2									
Munici	pality:	Mide	dletown Bo				County:	Daup	hin	_	Permit No.:	PA00	20664	_	Outfall:	001		-								
Water		7-C													prior to expira											
Labora	atories:	<u>M.</u> J	I. Reider/S	uez Mie	ddletown					_	This permit v	will exp	ore on:	Febr	ruary 28, 2026			-								
	ı	Parameter	Flow		рН	Diss	olved Oxygen		TRC		CBOD5		TSS	Fe	ecal Coliform		NH3-N	Tota	I Phosphorus							
		Stage	1		1		1		1		1		1		1		1		1							
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	CFU/100 ml	Q	mg/L	Q	mg/L	Q	Q	Q	Q	Q	Q	
	E-1	4/4/00	4 700		7.4	_	0.40		0.4																 	
	Fri Sat	4/1/22 4/2/22	1.760 1.438	_	7.4		8.46 8.75		0.4																 _	
1	Sun	4/3/22	1.414		7.4		8.6		0.41																-	
	Mon	4/4/22	1.438		7.4		8.85		0.2	<	2.0		4.0				0.04		0.22						_	
	Tue	4/5/22	1.618		7.5		9.05		0.29		5.5		18.0		41.0		0.06		0.18						 	
	Wed Thu	4/6/22 4/7/22	1.887 3.661		7.4	-	8.56 8.53		0.23						62.0									 	 	
	Fri	4/7/22	2.539		7.4		8.93		0.43			+				<u> </u>									 +	
	Sat	4/9/22	2.477		7.4	1 1	8.75		0.38			11													-	
2	Sun	4/10/22	2.051		7.4		8.72		0.39																	
	Mon	4/11/22	1.847		7.4		8.87		0.27		3.6		13.0			I	0.19		0.24						 \rightarrow	
-	Tue Wed	4/12/22 4/13/22	1.577 1.553		7.4		8.73 8.6		0.38	_	2.9		8.0	<	2.0 3.0		0.08		0.21						 —	
	Thu	4/14/22	1.554		7.4		8.26		0.23						0.0										 	
	Fri	4/15/22	1.408		7.5		8.58		0.26																-	
	Sat	4/16/22	1.376		7.5		8.54		0.26																	
3	Sun	4/17/22	1.389		7.6	_	8.58		0.3		10.0		7.0												 	
-	Mon Tue	4/18/22 4/19/22	2.521 2.027		7.5 7.4		8.62 8.82		0.4	<	12.6 2.0		7.0		13.0		0.09		0.21						 —	
	Wed	4/20/22	1.579		7.4		8.89		0.33	`	2.0		9.0	<	2.0		0.2		0.23						 	
	Thu	4/21/22	1.548		7.4		8.68		0.32																-	
	Fri	4/22/22	1.431		7.4		8.65		0.33																	
	Sat Sun	4/23/22 4/24/22	1.400 1.335		7.4	-	8.4 8.69		0.39																 	
4	Mon	4/24/22 4/25/22	1.335		7.6		8.69		0.39	<	2.0		2.0				0.31		0.45						 	
	Tue	4/26/22	1.386		7.5		8.59		0.37	-	2.3		2.0	<	2.0		0.08		0.26							
	Wed	4/27/22	1.340		7.5		8.59		0.32					<	2.0											
	Thu	4/28/22	1.338		7.4		8.61		0.42																	
	Fri Sat	4/29/22 4/30/22	1.189 1.150		7.5 7.5	-	8.75 8.43		0.33																 	
5	Jai	4/30/22	1.150	-	1.5		0.45		0.40																 -	
			-			+		$\left \right $				+				I							 		 +	
			1			+																			 +	
	s for DMR																									
		um (Conc.):		+	7.2	+ - 1	8.26	\vdash	0.18	~	2	+ +	2	٨	2	I	0.04	+ - 1	0.18	\vdash					 +	
		num (Conc): ekly (Conc.):		+	7.6	+	9.05 8.75		0.48	<	12.6 7	+	18 11		62	<u> </u>	0.31	+	0.45						 +	
		thly (Conc.):					8.65		0.3	<	4	+	8			-	0.13		0.25						 -	
	eometric M	ean (Conc.):												<	6	1										
N		eekly (Load):	2.147725			+	156	\square	6	~	149	+	153			I	3	\square	4						 \perp	
		nthly (Load): nthly (Load):	1.688616			+	122 3658	\vdash	5 144	<	68 2028	+	118 3534			I	2 57	+	4 106	\vdash					 +	
		num (Load):	1.150284				81		2	<	2020	+	23			<u> </u>	0.5		2						 +	
		num (Load):	3.660722			1	260		13		265		243				4		5							
inquiry of	the person	or persons w	who manage th	e system	or those persons	directly r		nering th	e information, the	e informa	tion submitted is, t	o the best	t of my knowledg	and be	luate the informatio elief, true, accurate ication).											

Prepared By:	Gene A. Lank II	License No.:	246163
Title:	Operator	Date:	5/6/2022

penr DEPARTM PROTECT	ENT OF ENVIRONM	IENTAL					CHE		EAKE BAY								Contir		Discharge	Versior	2.2, 10/15/2020
			075										0					luous			004
Facility Name			/n STP				Caura	h	Doumhim			-			e Year:	DAO	2022	-	Outfall:	_	001
Municipality:	7-C	letow	n Borough			-	Coun	ty:	Dauphin			-			ermit No.:		020664	0 20	26		
Watershed:		102		-			۲	Sou	vage 🔾	Indu	atrial Wasta				it will expire bad (lbs):		358	8, 20	20	_	
TN Cap Load TN Delivery F							lacksquare	Sew	vage 🔾	mau	strial Waste				y Ratio:		436				
The Delivery P	(alio. 0.9	01											IFD	enver	y Ralio.	0.	430				
	FLOW		Total Phos	sporu	ıs (TP)			NH ₃ -I	N		T	KN			NO ₂ +N	lO₃ as	N N		Total Nit	rogen	(TN)
Sample Date	MGD	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day	Q	mg/L	Q	lbs/day
10/1/21	1.519																				
10/2/21	1.412																				
10/3/21	1.578																				
10/4/21	1.561		0.18		2.3	<	0.02	<	0.3		0.6		7.9	<	2.0	<	26.0	<	2.61	<	34.0
10/5/21	1.392		0.22		2.6	<	0.02	<	0.2		0.8		9.5	<	2.0	<	23.2	<	2.82	<	32.7
10/6/21	1.354							I				I						1			
10/7/21	1.338																				
10/8/21	1.326																				
10/9/21	1.234																				
10/10/21	1.256							<u> </u>				<u> </u>						I			
10/11/21	1.314		0.36		3.9	<	0.02	<	0.2	<	0.5	<	5.5	<	2.0	<	22.1	<	2.52	<	27.6
10/12/21	1.190		0.23		2.3	<	0.02	<	0.2	<	0.5	<	5.0	<	2.0	<	19.4	<	2.45	<	24.3
10/13/21	1.239																				
10/14/21	1.185																				
10/15/21	1.164																				
10/16/21	1.270																				
10/17/21	1.148																				
10/18/21	1.183		0.19		1.9		0.07		0.7	<	0.5	<	4.9	<	2.1	<	20.8	<	2.61	<	25.8
10/19/21	1.079		0.2		1.8		0.03		0.3	<	0.5	<	4.5	<	2.1	<	19.0	<	2.61	<	23.5
10/20/21	1.076																				
10/21/21	1.095																				
10/22/21	1.095																				
10/23/21	1.110																				
10/24/21	1.084																				
10/25/21	1.526		0.26		3.3		0.08		1.0		0.8		9.9	<	2.1	<	26.1	<	2.83	<	36.0
10/26/21	1.275		0.21		2.2	<	0.02	<	0.2	<	0.5	<	5.3	<	1.8	<	19.4	<	2.32	<	24.7
10/27/21	1.115																				
10/28/21	1.099																				
10/29/21	2.570																	1			
10/30/21	1.607																	1			
10/31/21	1.423																				
11/1/21	1.322		0.21		2.3	<	0.02	<	0.2		0.5		5.6	<	1.9	<	20.7	<	2.39	<	26.3
11/2/21	1.222		0.25		2.5	<	0.02	<	0.2		1.0		10.0	<	2.1	<	21.5	<	3.09	<	31.5
11/3/21	1.184																				
11/4/21	1.179																				
11/5/21	1.141																				
11/6/21	1.072																	1			
11/7/21	1.110																				
11/8/21	1.131		0.21		2.0	۷	0.02	<	0.2		0.6		5.3	<	2.2	۷	20.5	<	2.73	<	25.7
11/9/21	1.028		0.24		2.1	<	0.02	<	0.2		0.8		6.5	<	2.2	۷	19.0	<	2.98	<	25.5
11/10/21	1.024																				
11/11/21	1.099																				
11/12/21	1.674																	1			
11/13/21	1.255																				
11/14/21	1.187																				

															-					
11/15/21	1.163	0.17		1.6	<	0.02	<	0.2	<	0.5	<	4.8	<	2.1	<	20.4	<	2.60	<	25.2
11/16/21	1.050	0.14		1.2	<	0.02	<	0.2		1.2		10.7	<	2.3	<	20.0	<	3.50	<	30.6
11/17/21	1.058																			
11/18/21	1.077																	l		
11/19/21	1.044																	l		
11/20/21	0.982																	l		
11/21/21	1.014																			
11/22/21	1.062	0.16		1.4	<	0.02	<	0.2		0.9		7.8	<	1.9	<	17.2	<	2.82	<	25.0
11/23/21	0.929	0.15		1.2	-	0.13		1.0		0.6		4.5	<	1.0	<	14.9	<	2.50	<	19.4
11/24/21	0.955	0.15		1.2		0.15		1.0		0.0		4.0		1.5		14.5		2.00	+	10.4
																		J	+	
11/25/21	0.916	 																J	++	
11/26/21	0.894																	i	++	
11/27/21	0.905																	i	┨	
11/28/21	0.954																	ļ		
11/29/21	1.009	0.14		1.2		0.02		0.2	<	0.5	<	4.2	<	2.3	<	19.1	<	2.77	<	23.3
11/30/21	0.903	0.16		1.2		0.02		0.2	<	0.5	<	3.8	<	2.4	<	17.7	<	2.85	<	21.5
12/1/21	0.956																	l l		
12/2/21	0.938																			
12/3/21	0.950																			
12/4/21	0.912																		+	
12/5/21	0.942																	<u> </u>	+	
12/6/21	0.958	0.18		1.4	<	0.02	<	0.2		0.8		6.5	<	2.2	<	17.6	<	3.01	<	24.0
12/7/21	0.906	0.10		1.4	<	0.02	<	0.2		0.6		4.4	<	2.2	<	16.9	<	2.82	<	24.0
		 0.14		1.1	`	0.02		0.2		0.0		4.4	`	2.2		10.9		2.02	\rightarrow	21.3
12/8/21	0.936																-	l	╂──╂	
12/9/21	0.947	 																i		
12/10/21	0.924																		+	
12/11/21	0.875																	ļ		
12/12/21	0.911																			
12/13/21	0.956	0.16		1.3	<	0.02	<	0.2		1.1		8.4	<	2.2	<	17.4	<	3.24	<	25.8
12/14/21	0.874	0.19		1.4		0.05		0.4		0.8		6.0	<	2.0	<	14.8	<	2.86	<	20.8
12/15/21	0.908																			
12/16/21	0.888																	l		
12/17/21	0.880																			
12/18/21	0.891																			
12/19/21	0.881																		+ +	
12/20/21	0.913	0.47		3.6		0.06		0.5		1.4		10.4	<	1.9	<	14.8	<	3.31	<	25.2
12/20/21		 0.47		1.0		0.00		0.3				7.1	<	1.9	<		<	2.71	<	18.7
	0.828	 0.14		1.0		0.04		0.5		1.0		7.1	`	1.7		11.6		2.71	+	10.7
12/22/21	0.835																-	l	╂──╂	
12/23/21	0.883		\vdash															J	+	
12/24/21	0.838																	I	+	
12/25/21	0.867																	 	\vdash	
12/26/21	0.827																	 	\square	
12/27/21	0.999	0.14		1.2		0.06		0.5	<	0.5	<	4.2	<	1.9	<	15.6	<	2.37	<	19.7
12/28/21	0.894	0.11		0.8	<	0.02	<	0.1		0.8		5.8	<	1.9	<	14.0	<	2.66	<	19.8
12/29/21	0.895																			
12/30/21	0.890																			
12/31/21	0.828																			
1/1/22	1.406																		+	
1/2/22	1.124																	1	+	
1/3/22	1.001	0.13		1.1	<	0.02	<	0.2		0.82		6.8	<	1.89	<	15.8	<	2.71	<	22.6
1/4/22	0.889	0.13	\vdash	1.1	<	0.02		0.2		0.82		4.2	<	1.88		13.9	<	2.45	<	18.2
		 0.15	\vdash	1.1	~	0.02	<	U. I		0.37		4.2	<	1.00	<	13.9		2.40	+	10.2
1/5/22	0.890		\vdash															J	+	
1/6/22	0.897		\vdash												<u> </u>			I	╂──╂	
1/7/22	0.922																	I	+	
1/8/22	0.905																	 	\square	
1/9/22	4 000														1		1	1		
	1.209																			
1/10/22	1.209	0.17		1.5		0.02		0.2		1.19		10.5	<	3.07	<	27.1	<	4.26	<	37.6

1/12/22															1 1		1		1 1	
	0.918																			
1/13/22	0.991																			
1/14/22	1.000																			
1/15/22	0.912																			
1/16/22	1.372																			
1/17/22	1.992	0.23		3.8		0.09		1.5		1.58		26.2		2.02		33.6		3.60		59.8
1/18/22	1.298	0.15		1.6	<	0.02	<	0.2		0.91		9.9	<	1.89	<	20.5	<	2.80	<	30.3
1/19/22	1.277	0.10				0.02		0.1		0.01		0.0				20.0		2.00		0010
1/20/22	1.568	 																		
1/21/22	1.243																			
1/22/22	1.223	 																		
1/23/22	1.197	 0.40		1.0										0.00		04.5		0.10		
1/24/22	1.156	0.13		1.3	<	0.02	<	0.2		0.9	-	8.7	<	2.23	<	21.5	<	3.13	<	30.2
1/25/22	1.064	 0.12		1.1	<	0.02	<	0.2		0.72		6.4	<	2.24	<	19.9	<	2.96	<	26.3
1/26/22	1.046																			
1/27/22	1.067																			
1/28/22	1.072																			
1/29/22	1.018																			
1/30/22	1.046																			
1/31/22	1.036	0.14		1.2		0.2		1.7	<	0.5	<	4.3	<	2.46	<	21.2	<	2.96	<	25.6
2/1/22	1.097	0.16		1.5	<	0.02	<	0.2		1.35		12.3	<	2.52	<	23.0	<	3.87	<	35.4
2/2/22	1.066																			
2/3/22	2.800										-									
2/4/22	3.416	 																		
2/5/22	1.853																		1	
2/6/22	1.590	o (-									-	10.5		0.17						07.4
2/7/22	1.469	 0.15		1.8	<	0.02	<	0.2		0.86		10.5	<	2.17	<	26.6	<	3.03	<	37.1
2/8/22	1.328	0.14		1.6		0.15		1.7		0.86		9.5	<	2.12	<	23.5	<	2.98	<	33.0
2/9/22	1.295																			
2/10/22	1.262																			
2/11/22	1.204																			
2/12/22	1.122																			
2/13/22	1.233																			
2/14/22	1.160	0.14		1.4	<	0.02	<	0.2		0.92		8.9	<	2.2	<	21.3	<	3.12	<	30.2
2/15/22	1.088	0.13		1.2		0.11		1.0		1.25		11.3	<	2.32	<	21.1	<	3.57	<	32.4
2/16/22	1.093	0.10				0.11		1.0		1.20	-	11.0		2.02		2		0.01		02.1
2/17/22	1.494																			
2/18/22	1.494																			
2/19/22	1.241																		-	
2/20/22	1.281	 																		
2/21/22	1.231	0.11		1.1		0.08		0.8	<	0.5	<	5.1	<	2.22	<	22.8	<	2.72	<	27.9
2/22/22	1.189	0.13		1.3	<	0.02	<	0.2		1.05		10.4	<	2.15	<	21.3	<	3.20	<	31.7
2/23/22	1.120																			
2/24/22	1.340														LI		LI		LΙ	
2/25/22	1.807																			
2/26/22	1.418																			
2/27/22	1.323																		1 1	
2/28/22	1.308	0.16		1.7	<	0.02	<	0.2		0.83		9.1	<	2.25	<	24.5	<	3.08	<	33.6
3/1/22	1.166	0.14		1.4	<	0.02	<	0.2		1.3		12.4	<	2.2	<	21.5	<	3.48	<	33.8
3/2/22	1.151	0.14	\vdash	T.1		0.02		0.2				14-7T		L .L		21.0		0.70	+	00.0
3/3/22	1.176										 								+ +	
											<u> </u>								+	
3/4/22	1.141																		+	
3/5/22	1.037										<u> </u>									
3/6/22	1.010																			
3/7/22	1.092	0.15		1.4	<	0.02	<	0.2		1.1		9.9	<	2.0	<	18.1	<	3.08	<	28.0
3/8/22	1.000	0.14		1.2	<	0.02	<	0.2		1.0		8.3	<	1.9	<	16.0	<	2.91	<	24.3
3/9/22	1.616																			
3/10/22	1.248						. 7								1 T		• T		1 T	

0////00																<u>т</u> т	
3/11/22	1.175			 													
3/12/22	1.758	 	 	 													
3/13/22	1.495																
3/14/22	1.317	0.12	1.3	 0.14	1.5		0.8		8.6	<	2.4	<	26.6	<	3.20	<	35.2
3/15/22	1.189	0.15	1.5	0.03	0.3		0.6		6.3	<	2.2	<	22.2	<	2.88	<	28.6
3/16/22	1.154																
3/17/22	1.220																
3/18/22	1.146																
3/19/22	1.195																
3/20/22	1.176																
3/21/22	1.151	0.16	1.5	0.06	0.6		1.3		12.4	<	2.2	<	21.5	<	3.53	<	33.9
3/22/22	1.082	0.2	1.8	0.03	0.3		1.0		8.7	<	2.1	<	19.0	<	3.06	<	27.6
3/23/22	1.314																
3/24/22	1.327													-			
3/25/22	1.246																
3/26/22	1.240		 														
3/27/22				 													
	1.186	0.10	1.0	0.00	0.0		0.7		7.0		2.2		20.4		2.02		20.2
3/28/22	1.154	0.19	1.8	0.06	 0.6		0.7		7.0	<	2.3	<	22.1	<	3.03	<	29.2
3/29/22	1.074	0.18	1.6	0.11	1.0	<	0.5	<	4.5	<	2.4	<	21.2	<	2.87	<	25.7
3/30/22	1.087																
3/31/22	1.866																
4/1/22	1.760																
4/2/22	1.438																
4/3/22	1.414																
4/4/22	1.438	0.22	2.6	0.04	0.5		0.62		7.4	<	2.17	<	26.0	<	2.79	<	33.5
4/5/22	1.618	0.18	2.4	0.06	0.8		0.71		9.6	<	2.2	<	29.7	<	2.91	<	39.3
4/6/22	1.887																
4/7/22	3.661																
4/8/22	2.539																
4/9/22	2.477																
4/10/22	2.051																
4/11/22	1.847	0.24	3.7	0.19	2.9		1.07		16.5	<	1.33	<	20.5	<	2.40	<	37.0
4/12/22	1.577	0.21	 2.8	 0.08	1.1		1.49		19.6	<	1.6	<	21.0	<	3.09	<	40.6
4/13/22	1.553	0.21	 2.0	 0.00			1.40		10.0	-	1.0	-	21.0	-	0.00		40.0
4/14/22	1.554				-												
4/14/22	1.408		 	 													
	1.406	 	 														
4/16/22		 	 														
4/17/22	1.389	0.04		 0.00	1.0		0.5		10.5		0.40		44.0		0.00		55.0
4/18/22	2.521	0.21	4.4	 0.09	 1.9	<	0.5	<	10.5	<	2.13	<	44.8	<	2.63	<	55.3
4/19/22	2.027	0.23	3.9	0.2	3.4		1.26		21.3	<	1.44	<	24.3	<	2.70	<	45.7
4/20/22	1.579																
4/21/22	1.548																
4/22/22	1.431																
4/23/22	1.400																
4/24/22	1.335																
4/25/22	1.427	0.45	5.4	0.31	3.7		1.24		14.8	<	1.85	<	22.0	<	3.09	<	36.8
4/26/22	1.386	0.26	3.0	0.08	0.9		1.08		12.5	<	2.14	<	24.7	<	3.22	<	37.2
4/27/22	1.340																
4/28/22	1.338																
4/29/22	1.189																
4/30/22	1.150																
5/1/22																	
5/2/22					 								1				
5/3/22					 								<u> </u>				
5/3/22																	
5/4/22 5/5/22																+	
													<u> </u>	<u> </u>			
5/6/22																+	
5/7/22																	

5/8/22		I			I		I		I		
5/9/22											
5/9/22											
5/10/22							 				
5/12/22		-									
5/13/22								 			
5/14/22						 		 		-	
5/15/22						 		 			
5/16/22						 		 			
5/16/22											
5/17/22											
5/19/22											
5/20/22						 		 			
5/21/22						 		 			
5/22/22						 		 			
5/23/22						 		 			
5/24/22						 		 			
5/24/22							 				
5/25/22							 				
5/26/22							 				
5/28/22							 		 	 	
5/28/22							 		 	 	
5/29/22							 		 	 	
5/31/22							 		 	 	
6/1/22						 		 			
6/2/22						 		 			
6/3/22								 			
6/3/22								 			
6/5/22											
6/6/22											
6/7/22											
6/8/22											
6/9/22											
6/10/22								 			
6/11/22											
6/12/22											
6/13/22											
6/14/22						 		 		 	
6/15/22							 		 		
6/16/22											
6/17/22							 		 		
6/18/22							 		 		
6/19/22											
6/20/22							 		 		
6/21/22							 		 		
6/22/22											
6/23/22											
6/24/22							 		 		
6/25/22							 		 		
6/26/22							 				
6/27/22							 				
6/28/22							 		 	 	
6/28/22							 				
6/29/22							 				
7/1/22							 				
7/1/22										 	
7/3/22							 			 	
7/4/22											

= 15 100			1								
7/5/22											
7/6/22											
7/7/22											
7/8/22											
7/9/22											
7/10/22											
7/11/22											
7/12/22											
7/13/22											
7/14/22											
7/15/22											
7/16/22											
7/17/22											
7/18/22											
7/19/22											
7/20/22						 				 	
7/21/22											
7/22/22											
7/23/22											
7/24/22											
7/25/22											
7/26/22]
7/27/22											
7/28/22				 						 	
7/28/22						 				 	
7/29/22						 				 	
7/30/22						 				 	
7/31/22				 		 				 	
8/1/22											
8/2/22											
8/3/22						 				 	
8/4/22											
8/5/22						 				 	
8/6/22						 				 	
8/7/22		 		 		 				 	
8/8/22											
8/9/22										 	
8/10/22											
8/11/22						 				 -	
8/12/22						 				 -	
8/13/22		 		 		 				 	
8/14/22										 	
8/15/22					 				 		
8/16/22					 				 		
8/17/22					 				 		
8/18/22										 	
8/19/22					 				 		
8/20/22											
8/21/22										 	
8/22/22											
8/23/22											
8/24/22											
8/25/22											
8/26/22											
8/27/22											
8/28/22											
8/29/22											
8/30/22											
8/31/22											
	-										



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

Prepared By:	Gene A. Lank II	License No.:	246163
Title:	Operator	Date:	5/6/2022

Monthly Statistics

Monthly Total Mass Loads (lbs)

<u>Month</u>	<u>Total Phosphorus (TP)</u>	<u>NH₃-N</u>	<u>TKN</u>	<u>NO₂+NO₃ as N</u>	Total Nitrogen (TN)
October	78.8	< 12	< 203.7	< 682	< 885.7
November	50.2	< 8	< 189.6	< 572.7	< 762.3
December	45.3	< 8.6	< 204.9	< 475.3	< 680.2
January	47.8	< 15.4	< 296.4	< 681.9	< 978.3
February	40.4	< 15.8	< 270.4	< 644.3	< 914.7
March	46.4	< 16.5	< 268.6	< 648.3	< 917
April	105.7	56.8	< 420.6	< 799.2	< 1219.8
May					

June July August September

Average Monthly Concentrations (mg/L)

<u>Month</u>	Total Phosphorus (TP)	<u>NH₃-N</u>	<u>TKN</u>	<u>NO₂+NO₃ as N</u>	<u>Total Nitrogen (TN)</u>
October	0.23	< 0.04	< 0.59	< 2.01	< 2.6
November	0.18	< 0.03	< 0.7	< 2.12	< 2.82
December	0.19	< 0.04	< 0.87	< 2	< 2.87
January	0.15	< 0.05	< 0.92	< 2.3	< 3.23
February	0.14	< 0.06	< 0.95	< 2.24	< 3.2
March	0.16	< 0.05	< 0.92	< 2.2	< 3.12
April	0.25	0.13	< 1	< 1.86	< 2.85
May					
June					
July					
August					
September					

3800-FM-BC		¹² Sylvania					ITAL REPO				
Facility N	EPARTMENT OF E	Middletown		SEWAGE SLU	JDGE / BIO	SOLID	S PRODUC	TION AND DIS Month: <u>Ap</u>		Yea	ır: 2022
Municipa Watershe	•	Middletown 7-C	Borough	Cοι	unty: Dauph	in			mit No.: PA0020 plication due <u>180 da</u> will expire on: Feb	ays prior to ex	
				OLIDS PRODUC		RMATIO	N (Identify	-	noval event and in		
Date		Liquid Sewag		0			ewage Sludg auled Off-site			ige Sludge/Bio d and Incinera	
Date	Ga		Solids	Dry Tons	Tons Dewa		% Solids	Dry Tons	Tons Dewatered	% Solids	Dry Tons
4/1/22					7.25		31.84	2.31			
4/8/22					7.86		32.06	2.52			
4/8/22					2.91		32.06	0.93	_		
			TOTAL:				TOTAL:	5.761		TOTAL:	
		SE	WAGE SLU	DGE / BIOSOLIDS	AND INCINE	RATOR	ASH DISPOS	AL AND BENEFIC	IAL USE INFORMAT	ION	
				(Identify all si	tes where bio	osolids o	r ash were di	sposed or land ap	plied)		
	Site Na	ame		R. Cassel							
	Municip		HL	JMMELSTOWN							
	Cour	•		DAUPHIN							
	DEP Perr			PAG07-3504							
	ype of M			Biosolids 5.76							
		ied/Disposed oosal/Use*	Aari	cultural Utilization							
190	Hauler I			O. MIDDLETOWN							
* See Inst		for explanation.									
l certify und evaluate the information	ler penalty e informati submitted	of law that this doo ion submitted. Base l is, to the best of n	ed on my inqu ny knowledge	uiry of the person or p and belief, true, accu	ersons who man rate and comple	nage the sy ete. I am a	/stem or those p ware that there	ersons directly respon are significant penalti	ssure that qualified personsible for gathering the ir nsible for gathering the ir es for submitting false in	formation, the	ng the
possibility o	of fine and	Prepared By:		ions. See 18 Pa. C.S L ank II	. § 4904 (relating	g to unswo		nse No.:	246163		

Prepared By:	Gene A. Lank II	License No.:	246163
Title:	Operator	Date:	May 6, 2022

April, 2022

	EFF									M.J. Reid	er Com	posite S	Sample T	est Resu	lts							
D	FLOW	В	OD	С	BOD	%	S	USPEND	ED SOL				гр Г	FEC.		H3	NO	2-NO3	-	ΓKN		TN
DATE	-	INFL	UENT	EFF	LUENT	%Rem	INFL	UENT	EFF	LUENT	%Rem	EFFL	UENT	COLIF.	EFFL	UENT	EFF	LUENT	EFF	LUENT	EFF	LUENT
	MGD	mg/L	LBS.	mg/L	LBS.	ηον	mg/L	LBS.	mg/L	LBS.	nov	mg/L	LBS.	/100ml	mg/L	LBS.	mg/L	LBS.	mg/L	LBS.	mg/L	LBS.
01	1.760					<u> </u>					<u> </u>								-		-	
02	1.438																					
03	1.414																					
04	1.438	206	2,471	<2.0	<23.99	99.0	262	3,142	4.0	47.97	98.5	0.22	2.64		0.04	0.48	<2.2	<26.02	0.6	7.44	<2.79	<33.5
05	1.618	178	2,402	5.5	74.21	96.9	170	2,294	18.0	242.88	89.4	0.18	2.43	41	0.06	0.81	<2.2	<29.69	0.7	9.58	<2.91	<39.3
06	1.887													62								
07	3.661																					
08	2.539																					
09	2.477																					
10	2.051																					
11	1.847	163	2,510	3.6	55.45	97.8	116	1,787	13.0	200.22	88.8	0.24	3.70		0.19	2.93	<1.3	<20.48	1.1	16.48	<2.40	<37.0
12	1.577	100	1,311	2.9	38.13	97.1	126	1,657	8.0	105.19	93.7	0.21	2.76	<2	0.08	1.05	<1.6	<21.04	1.5	19.59	<3.09	<40.6
13	1.553													3								
14	1.554																					
15	1.408																					
16	1.376																					
17	1.389																					
18	2.521	265	5,571	12.6	264.89	95.2	188	3,952	7.0	147.16	96.3	0.21	4.41		0.09	1.89	<2.1	<44.78	<0.5	<10.51	<2.63	<55.3
19	2.027	206	3,483	<2.0	<33.82	99.0	82	1,386	9.0	152.17	89.0	0.23	3.89	13	0.20	3.38	<1.4	<24.35	1.3	21.30	<2.70	<45.7
20	1.579													<2								
21	1.548																					
22	1.431																					
23	1.400																					
24	1.335	<u> </u>																				
25	1.427	162	1,928	<2.0	<23.80	98.8	164	1,952	2.0	23.80	98.8	0.45	5.36		0.31	3.69	<1.9	<22.02	1.2	14.76	<3.09	<36.8
26	1.386	182	2,105	2.3	26.60	98.7	152	1,758	2.0	23.13	98.7	0.26	3.01	<2	0.08	0.93	<2.1	<24.75	1.1	12.49	<3.22	<37.2
27	1.340													<2								
28	1.338																					
29	1.189							ļ						 				ļ				
30	1.150																					
) 9/18/15 M

EVISED 9/18/15 M

Daily Effluent Grab Monitoring / Weather

	April									orntorn	ig / vv	Samo			2022
Date	Operator Initials		nt Grab e Time	р	н	RPD	Dissolved (mg	d Oxygen g/L)	RPD	Total R Chlorine	esidual e (mg/L)	RPD	Temp.	Influent COD	Comments
	muais	Start	Finish	#1	#2	%	#1	#2	%	#1	#2	%	С	mg/L	
01	GL	0854	0854	7.40	7.40	0.00	8.46	8.44	0.24	0.40	0.41	-2.47	15.4	342	STORM MODE
02	GL	0747	0747	7.40	7.40	0.00	8.75	8.74	0.11	0.38	0.37	2.67	14.4		
03	GG	0814	0814	7.40	7.40	0.00	8.60	8.58	0.23	0.41	0.38	7.59	14.7		
04	GL	0847	0847	7.40	7.40	0.00	8.85	8.84	0.11	0.20	0.20	0.00	14.7	365	
05	GL	0845	0845	7.50	7.50	0.00	9.05	9.05	0.00	0.29	0.28	3.51	14.8	329	
06	GL	0847	0847	7.40	7.40	0.00	8.56	8.55	0.12	0.23	0.23	0.00	15.2	311	STORM MODE START @0733HRS.
07	GL	0853	0853	7.40	7.40	0.00	8.53	8.51	0.23	0.43	0.42	2.35	15.4	222	STORM MODE START @1230HRS.
08	GL	0856	0856	7.20	7.30	-1.38	8.93	8.91	0.22	0.18	0.18	0.00	14.5	283	STORM MODE
09	GL	0753	0753	7.40	7.40	0.00	8.75	8.73	0.23	0.38	0.38	0.00	14.7		STORM MODE
10	GG	0825	0825	7.40	7.40	0.00	8.72	8.70	0.23	0.39	0.39	0.00	14.6		STORM MODE
11	GL	0847	0847	7.40	7.40	0.00	8.87	8.85	0.23	0.27	0.28	-3.64	14.4	266	STORM MODE
12	GL	0847	0847	7.40	7.40	0.00	8.73	8.71	0.23	0.38	0.39	-2.60	15.2	249	STORM MODE END @0715HRS
13	GL	0850	0850	7.40	7.50	-1.34	8.60	8.58	0.23	0.33	0.32	3.08	16.7	271	
14	GL	0850	0850	7.40	7.40	0.00	8.26	8.25	0.12	0.23	0.23	0.00	17.2	294	
15	GG	0748	0748	7.50	7.50	0.00	8.58	8.56	0.23	0.26	0.24	8.00	16.0		
16	GG	0820	0820	7.50	7.50	0.00	8.54	8.54	0.00	0.26	0.26	0.00	16.4		
17	GG	0820	0820	7.60	7.60	0.00	8.58	8.58	0.00	0.30	0.29	3.39	15.8		
18	GL	0848	0848	7.50	7.50	0.00	8.62	8.61	0.12	0.40	0.39	2.53	14.6	420	STORM MODE START @1810HRS.
19	GL	0850	0850	7.40	7.40	0.00	8.82	8.80	0.23	0.33	0.32	3.08	14.9	351	STORM MODE
20	GL	0847	0847	7.40	7.40	0.00	8.89	8.90	-0.11	0.47	0.47	0.00	14.7	192	
21	GL	0844	0844	7.40	7.40	0.00	8.68	8.67	0.12	0.32	0.31	3.17	16.0	323	
22	GL	0848	0848	7.40	7.40	0.00	8.65	8.66	-0.12	0.33	0.32	3.08	16.1	275	
23	GL	0742	0742	7.40	7.40	0.00	8.40	8.39	0.12	0.39	0.38	2.60	16.1		
24	GG	0820	0820	7.60	7.50	1.32	8.69	8.69	0.00	0.39	0.41	-5.00	16.4		
25	GL	0850	0850	7.50	7.50	0.00	8.45	8.44	0.12	0.32	0.31	3.17	16.6	362	
26	GL	0843	0843	7.50	7.50	0.00	8.59	8.57	0.23	0.37	0.36	2.74	16.9	318	
27	GL	0843	0843	7.50	7.50	0.00	8.59	8.58	0.12	0.32	0.32	0.00	15.9	311	
28	GL	0847	0847	7.40	7.40	0.00	8.61	8.59	0.23	0.42	0.42	0.00	15.3	360	
29	GL	0845	0845	7.50	7.50	0.00	8.75	8.76	-0.11	0.33	0.33	0.00	15.0	375	
30	GL	0752	0752	7.50	7.50	0.00	8.43	8.42	0.12	0.48	0.48	0.00	15.3		

Process Control

	April													2022	
		DITC			RAS		WASTE					FLING ⁻	TEST	BLAN	KETS
ДАΥ		ГS	VS		TS	Gallons	Lbs	SRT	RR	F/M	MINU	JTES	SVI	C1	C2
	mg/L	lbs	mg/L	%	mg/L	_		Days			5	30		AM	AM
01	4,990	60,756	3,613	72.4	6,563	20,000	1,095	40.19	3.95	0.05	950	690	138	2	12
02						20,000								18	14
03						20,000								14	12
04	4,666	56,811	3,283	70.4	8,411	20,000	1,403	28.50	3.98	0.05	970	700	150	12	12
05	4,671	56,879	3,460	74.1	9,828	22,000	1,803	23.37	3.69	0.04	950	670	143	12	12
06	4,512	54,944	3,124	69.2	10,708	20,000	1,786	21.30	3.90	0.05	950	650	144	20	15
07	4,817	58,651	3,269	67.9	10,879	20,000	1,815	21.93	4.24	0.04	960	710	147	15	15
08	4,475	54,490	3,270	73.1	12,558	20,000	2,095	11.52	3.52	0.10	950	650	145	40	12
09						20,000								10	10
10						20,000								12	12
11	5,654	68,840	4,112	72.7	6,868	25,000	1,432	34.96	4.14	0.04	980	840	149	4	12
12	5,699	69,399	4,318	75.8	5,827	20,000	972	54.09	4.29	0.03	970	850	149	0	14
13	4,638	56,479	3,264	70.4	9,940	24,000	1,990	19.98	5.04	0.04	950	700	151	12	20
14	4,802	58,470	3,430	71.4	9,779	24,000	1,957	21.34	4.50	0.04	940	700	146	15	15
15						24,000								14	12
16						24,000								15	13
17						24,000								16	14
18	4,503	54,830	3,291	73.1	8,124	28,000	1,897	21.12	3.45	0.05	980	780	173	18	15
19	4,477	54,518	3,272	73.1	12,204	20,000	2,036	19.57	3.91	0.08	980	790	176	24	20
20	4,801	58,460	3,429	71.4	8,066	28,000	1,884	22.17	3.76	0.03	980	800	167	17	24
21	4,486	54,622	3,106	69.2	9,127	25,000	1,903	19.87	4.44	0.05	960	750	167	14	20
22	4,505	54,858	3,292	73.1	9,149	25,000	1,908	21.02	4.37	0.04	950	730	162	12	24
23						25,000								12	18
24						25,000								12	16
25	4,457	54,266	3,257	73.1	7,892	30,000	1,975	20.08	4.92	0.05	960	740	166	15	12
26	4,284	52,170	3,085	72.0	8,421	30,000	2,107	17.83	5.48	0.05	950	700	163	12	12
27	4,140	50,411	2,933	70.8	8,090	30,000	2,024	17.64	4.32	0.05	950	730	176	12	12
28	4,154	50,577	2,942	70.8	7,920	30,000	1,982	18.08	3.81	0.05	950	710	171	12	10
29	4,133	50,324	2,928	70.8	7,875	30,000	1,970	18.09	3.89	0.05	950	710	172	12	12
30						30,000			İ					14	12
AVG	4,643	56,538	3,334	71.7	8,911	24,100	1,802	23.6	4.18	0.05	959	730	158	14	14

PA MIDDLETOWN WWTP

THICKENER MONTHLY REPORT

Ар	oril							2022
DATE	RUN	F	EED SLUDGE		DISC	HARGE SLUD	GE	POLYMER
DATE	TIME	GALLONS	% SOLIDS	LBS.	GALLONS	% SOLIDS	LBS.	GALLONS
01	5.00	64,795	0.92	4,972	10,098	5.23	4,405	7
02								
03								
04	4.50	58,768	0.90	4,411	10,098	4.70	3,958	6
05								
06								
07								
08	7.00	97,287	0.91	7,383	16,830	4.89	6,864	10
09								
10								
11	5.00	65,041	0.80	4,340	8,415	6.04	4,239	6
12								
13								
14	6.50	83,770	0.84	5,869	11,781	5.28	5,188	6
15								
16								
17								
18	6.00	79,103	0.89	5,871	15,147	5.04	6,367	6
19								
20								
21	3.00	39,401	0.91	2,990	6,732	5.65	3,172	4
22	5.50	69,655	0.96	5,577	15,147	4.70	5,937	5
23								
24								
25	6.50	86,212	0.85	6,112	13,464	5.83	6,546	7
26								
27								
28	7.00	93,717	0.93	7,269	15,147	5.92	7,478	7
29								
30								
TOTAL	56	737,749	8.91	54,794	122,859	53.28	54,154	64

REVISED 7/17/14

Ap	oril									Miduletow									20)22
									ATAD TIM	E and TEM	IPERATUR	RE								
				Thickener				ATAD Level			ATAD Feed		AT	AD					o SNDR	
											-								nsfer	
_	0 Q	End	of feed	Dis	sch. (ATAD Fe	ed)		After	1	-				of feed		nimum		S	tart	
Date	Operator	Temp.	Feed	TS	VS	VS	Start	Trans.	Feed	Gallons	TS	VS	Avg Temp. Since	Time	Till	Transfer	Date	Time	Temp.	Gallons
		۰F	Gals.	mg/L	mg/L	%	Ft	Ft	Ft		Lbs.	Lbs.	°F	24 HR	Hours	Date/Time			۰F	1 '
04/01/22	GG	132.7	64,795	52,289	40,031	76.6	8.8	8.8	9.4	10,098	4,404	3,371	135.7	12:05	10.3	4/1/22 22:24				
04/02/22					.,															-
04/03/22							9.4	8.5	8.5								4/3/22	9:55	138.0	15,147
04/04/22	GG	133.2	58,768	46,981	36,065	76.8	8.5	8.5	9.1	10,098	3,957	3,037	134.5	11:40	12.8	4/5/22 0:28				
04/05/22																				· · · · ·
04/06/22		1					9.1	8.5	8.5								4/6/22	14:20	138.3	10,098
04/07/22		1																		1
04/08/22	GG	132.4	97,287	48,875	37,415	76.6	8.5	8.5	9.5	16,830	6,860	5,252	135.0	13:15	11.7	4/9/22 0:57				
04/09/22																				
04/10/22							9.4	8.5	8.5								4/10/22	9:45	138.6	15,147
04/11/22	GG	134.5	65,041	60,353	46,447	77.0	8.5	8.5	9.0	8,415	4,236	3,260	134.3	12:15	13.3	4/12/22 1:31				
04/12/22																				
04/13/22							8.9	8.5	8.5								4/13/22	14:15	139.4	6,732
04/14/22	GG	134.7	83,770	52,797	39,926	75.6	8.5	8.5	9.2	11,781	5,187	3,923	135.6	13:35	10.5	4/15/22 0:06				
04/15/22																				
04/16/22																				
04/17/22							9.1	8.5	8.5								4/17/22	9:35	141.6	10,098
04/18/22	GG	134.7	79,103	50,416	39,058	77.5	8.5	8.5	9.4	15,147	6,369	4,934	134.7	13:15	12.4	4/19/22 1:36				
04/19/22																				
04/20/22							9.3	8.5	8.5								4/20/22	13:50	138.6	13,464
04/21/22	CK	135.1	39,401	56,492	42,215	74.7	8.5	8.5	8.9	6,732	3,172	2,370	135.7	10:00	10.3	4/21/22 20:19				
04/22/22	CK	132.8	69,655	46,981	35,439	75.4	8.9	8.9	9.8	15,147	5,935	4,477	136.2	12:30	9.4	4/22/22 21:56				
04/23/22																				
04/24/22							9.7	8.5	8.5								4/24/22	9:15	140.1	20,196
04/25/22	GG	136.1	86,212	58,288	44,837	76.9	8.5	8.5	9.3	13,464	6,545	5,035	134.8	13:40	12.1	4/26/22 1:48	-			
04/26/22																				
04/27/22							9.2	8.5	8.5								4/27/22	13:50	142.1	11,781
04/28/22	GG	135.7	93,717	59,238	44,749	75.5	8.5	8.5	9.4	15,147	7,483	5,653	135.7	14:15	10.3	4/29/22 0:34				
04/29/22																				
04/30/22																				

Date 04/01/22 04/02/22 04/03/22 G 04/04/22	Operator	D trans Total Solids mg/L 26,891	Transfer Gallons		Waste ATAD to SNDR Pounds	SRT Days	Operator	Centifuge Feed Gallons	Centrifu TS	•	a IDR VS	Disch TS	narge VS
04/01/22 04/02/22 04/03/22 G 04/04/22		Solids mg/L	Transfer Gallons Gallons	ATAD Tank	ATAD to SNDR		Operator	Feed	TS				
04/01/22 04/02/22 04/03/22 G 04/04/22		Solids mg/L	Gallons Gallons	Tank	ATAD to SNDR		Operator	Feed	TS	VS	VS		
04/01/22 04/02/22 04/03/22 G 04/04/22		-		Pounds		Days	or	Gallons					1
04/02/22 04/03/22 G 04/04/22	G	-		Pounds	Pounds	Days			mg/L	mg/L	%	Lbs.	Lbs.
04/02/22 04/03/22 G 04/04/22	G	26,891				•			mg/∟	iiig/L	/0	LDJ.	LDJ.
04/03/22 G 04/04/22	G	26,891	45 447										
04/04/22	G	26,891	4 - 4 4 -										
			15,147	35,480	3,397	10.44							
04/05/00													
04/05/22													
04/06/22 G	GL	26,473	10,098	33,814	2,229	15.17	GG	34,646	23,875	13,054	54.7	6899	3772
04/07/22													
04/08/22													
04/09/22													
04/10/22 G	GG	26,307	15,147	34,710	3,323	10.44							
04/11/22													
04/12/22													
04/13/22 G	GG	26,879	6,732	33,578	1,509	22.25	GG	31,298	24,129	13,424	55.6	6298	3504
04/14/22													
04/15/22													
04/16/22													
	GG	27,209	10,098	34,754	2,291	15.17							
04/18/22													
04/19/22													
	GL	26,990	13,464	35,232	3,031	11.63	СК	27,040	23,933	13,528	56.5	5397	3051
04/21/22													
04/22/22													
04/23/22													
04/24/22 G	GG	26,775	20,196	36,455	4,510	8.08							
04/25/22		-,	-,		,,,,,,		1						
04/26/22	+						1						
	GL	27,329	11,781	35,291	2,685	13.14	GG	29,672	24,713	13,901	56.2	6116	3440
04/28/22		,520	,	55,201	2,000			20,012	21,710	10,001	00.2	0.10	0.10
04/29/22													
04/30/22													
0 1100/22	-+												

Centrifuge Monthly Report

	April					nunuge wit	5 1					2022	
	Run Time	Feed \$	Sludge	Cent	trifuge Cake	;	Lin	ne	Polymer	Alum	SN	IDR	Copper
Date	Hours	Gallons	% Solids	Pounds Dry Solids	Dry Tons	% Solids	Pounds Used	Pounds/ Ton	Total Gallons	Total Gallons	pН	Level	Conc. mg/kg
01													
02													
03													
04													
05													
06	7.00	34,646	2.39	6,906	3.45	32.1	1,239	359	25	93	5.9	8.9	744
07							·						
08													
09													
10													
11													
12													
13	6.50	31,298	2.41	6,291	3.15	32.7	1,150	366	24	89	5.9	8.7	
14													
15													
16													
17													
18													
19													
20	5.50	27,040	2.39	5,390	2.70	30.5	974	361	20	78	5.9	8.2	
21													
22													
23													
24													
25													
26													
27	6.00	29,672	2.47	6,112	3.06	32.2	1,062	348	16	78	6.0	8.6	
28													
29													
30													
											VISED 7/17		

REVISED 7/17/14

PA MIDDLETOWN WWTP

April, 2022

BIOSOLIDS INVENTORY

DATE	DRY	TONS	то	USE	TOTAL ON SITE
DATE	PROCESSED	DELIVERED	10	USE	TOTAL ON SITE
04/01/22		2.31	Bob Cassel	Agriculture	0.00
04/02/22					
04/03/22					
04/04/22					
04/05/22					
04/06/22	3.45				3.45
04/07/22					
04/08/22		3.45	Bob Cassel	Agriculture	0.00
04/09/22					
04/10/22					
04/11/22					
04/12/22					
04/13/22	3.15				3.15
04/14/22					
04/15/22					
04/16/22					
04/17/22					
04/18/22					
04/19/22					
04/20/22	2.69				5.84
04/21/22					
04/22/22					
04/23/22					
04/24/22					
04/25/22					
04/26/22					
04/27/22	3.06				8.90
04/28/22					
04/29/22					
04/30/22					
Total Tons	12.35	5.76		Total Tons	21.34
Metric Tons	11.20	5.23		Metric Tons	19.36

PA MIDDLETOWN WWTP

BIOSOLIDS INVENTORY

DATE	Dry Tons (US	6 Short Tons)	Dry Tons (M	eteric Tons)
DATE	PROCESSED	DELIVERED	PROCESSED	DELIVERED
Jan, 2022	9.52	12.40	8.64	11.25
Feb, 2022	12.93	12.93	11.73	11.73
Mar, 2022	16.03	13.72	14.54	12.45
Apr, 2022	12.35	5.76	11.20	5.23
May, 2022				
Jun, 2022				
Jul, 2022				
Aug, 2022				
Sep, 2022				
Oct, 2022				
Nov, 2022				
Dec, 2022				
Total	50.83	44.81	46.11	40.65
Average	12.71	11.20	11.53	10.16
Maximum	16.03	13.72	14.54	12.45
Minimum	9.52	5.76	8.64	5.23

Biosolids Volatile Reduction M.J. Reider Results 2022

	Th	ickener Discha	rge		SNDR		Volatile
Date	TS	TVS	VS	TS	TVS	VS	Reduction
	m	g/L	%	m	g/L	%	%
01/03/22	51,000	37,842	74.2	26,400	13,500	51.1	64.3
01/17/22	54,000	41,040	76.0	25,000	12,800	51.2	68.8
02/01/22	53,000	40,969	77.3	24,700	13,000	52.6	68.3
02/14/22	53,000	41,075	77.5	24,800	13,000	52.4	68.4
03/08/22	55,000	42,570	77.4	23,800	12,800	53.8	69.9
03/21/22	54,000	41,526	76.9	23,500	12,800	54.5	69.2
04/04/22	47,000	36,190	77.0	23,100	12,600	54.5	65.2
04/18/22	43,000	32,465	75.5	23,400	13,200	56.4	59.3
AVG	51,250	39,210	76.5	24,338	12,963	53.3	
Avg. % TS	Reduction	52.5	A	vg. Mass Balanc	e % VS Reductio	on	66.9

PA MIDDLETOWN WWTP 2022 Annual Performance

			Flow	Data					B	DD / CBOD			Phospho	rus, Total	Fecal Colif.
	Total MG	Average MG	Maxir	num	Minim	um	Inf mg/L	Eff mg/L	Inf Lbs	Eff Lbs	Lbs Removed	% Removal	Eff mg/L	Eff Lbs	cfu/100mL
January	34.760	1.121	01/17/22	1.992	01/04/22	0.889	244	3	70,864	825	70,040	98.7	0.15	44	10
February	40.299	1.439	02/04/22	3.416	02/02/22	1.066	249	3	83,688	1,080	82,608	98.6	0.14	47	11
March	38.115	1.230	03/31/22	1.866	03/08/22	1.000	234	4	74,278	1,222	73,056	98.0	0.16	51	46
April	50.658	1.689	04/07/22	3.661	04/30/22	1.150	183	4	77,195	1,737	75,457	97.8	0.25	106	
May															
June															
July															
August															
September															
October															
November															
December															
Total	163.833								306,025	4,864	301,161			247	
Average	40.958	1.370		2.734	1	1.026	227	4	76,506	1,216	75,290	98.3	0.18	62	
Maximum	50.658	1.689		3.661	1	1.150	249	4	83,688	1,737	82,608	98.7	0.25	106	
Minimum	34.760	1.121		1.866	1	0.889	183	3	70,864	825	70,040	97.8	0.14	44	
		-			-		-				-			-	
			TS	SS			Amn	nonia	TI	٢N	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	243	6	70,381	1,836	68,545	97.3	0.05	14	0.9	268	2.30	668	3.23	935	<2.0
February	230	8	77,176	2,647	74,529	96.3	0.06	18	1.0	320	2.24	754	3.20	1,074	<3.0
March	226	6	71,876	1,872	70,004	97.1	0.05	17	0.9	291	2.20	699	3.16	1,005	<3.0
April	158	8	66,542	3,327	63,215	94.1	0.13	55	1.0	421	1.86	785	2.85	1,206	
May															
June															
July															
August															
September															
October															
November															
December															
	1		285,976	9,682	276,294			105	4	1,300		2,906		4,221	
Total				0.400	69,073	96.2	0.07	26	1	325	2.15	726	3.11	1,055	
Total Average	214.0	7.0	71,494	2,420	09,075	30.2	0.01								
	214.0 242.8	7.0 7.9	71,494 77,176	2,420 3,327	74,529	90.2	0.13	55	1	421	2.30	785	3.23	1,206	



Attention:

Certificate of Analysis

Laboratory No.: 2210595 Report: 04/13/22 Lab Contact: Bradley T Griffiths

Project Info: Bi-Weekly Inf & Eff

Lab ID:2210595-01Collected By:ClientSample Desc:SUEZ Middletown Influent (24Hr Composite)

453 S. Lawrence St. Middletown, PA 17057

Gene Lank

Reported To: Veolia Middletown

Sampled: 04/05/22 07:10

Received: 04/05/22 14:00 Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Biochemical Oxygen Demand	206	mg/l	2.0	SM 5210 B	04/06/22 11:00		KMS	
Solids, Total Suspended	262	mg/l	1	SM 2540 D	04/06/22		ALD	

Lab ID:2210595-02Collected By:ClientSample Desc:SUEZ Middletown Effluent (24Hr Composite)

Sampled: 04/05/22 08:45

Received: 04/05/22 14:00 Sample Type: Composite

			Rep.			
	Result	Unit	Limit	Analysis Method	Analyzed	Notes Analyst
General Chemistry						
Ammonia as N	0.04	mg/l	0.02	EPA 350.1	04/06/22	MRW
Carbonaceous Biochemical	<2.0	mg/l	2.0	SM 5210 B	04/05/22 16:40	ASD
Oxygen Demand		0,				
Nitrate as N	2.07	mg/l	1.00	EPA 300.0 Rev 2.1	04/05/22 19:31	JAF
Nitrite as N	< 0.10	mg/l	0.10	EPA 300.0 Rev 2.1	04/05/22 19:31	JAF
Nitrate+Nitrite as N	<2.17	mg/l	1.10	CALCULATED	04/05/22 19:31	JAF
Nitrogen, Total	<2.79	mg/l	1.60	CALCULATED	04/07/22 17:15	SNF
Nitrogen, Total Kjeldahl	0.62	mg/l	0.50	EPA 351.2 Rev 2.0	04/07/22	SNF
(TKN)		0				
Phosphorus as P, Total	0.22	mg/l	0.01	SM 4500-P F	04/06/22	MRW
Solids, Total Suspended	4	mg/l	1	SM 2540 D	04/06/22	ALD

Lab ID:2210595-03Collected By:ClientSample Desc:SUEZ Middletown Effluent (Grab)

Sampled: 04/05/22 09:00

Received: 04/05/22 14:00 **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology		400 1			1 /5 /00	1/1/22		
Fecal Coliform	41	/100ml	2	SM 9222 D	4/5/22 16:04	4/6/22 14:04		JMW



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



Attention:

Certificate of Analysis

Laboratory No.: 2210748 Report: 04/14/22 Lab Contact: Bradley T Griffiths

Project Info: Bi-Weekly Inf & Eff

Lab ID:2210748-01Collected By:ClientSample Desc:SUEZ Middletown Influent (24Hr Composite)

453 S. Lawrence St. Middletown, PA 17057

Gene Lank

Reported To: Veolia Middletown

Sampled: 04/06/22 07:05

Received: 04/06/22 15:15 **Sample Type:** Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Biochemical Oxygen Demand	178	mg/l	2.0	SM 5210 B	04/06/22 18:05		ORS	
Solids, Total Suspended	170	mg/l	1	SM 2540 D	04/07/22		ALD	

Lab ID:2210748-02Collected By:ClientSample Desc:SUEZ Middletown Effluent (24Hr Composite)

Sampled: 04/06/22 08:47

Received: 04/06/22 15:15 Sample Type: Composite

			Rep.				
	Result	Unit	Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.06	mg/l	0.02	EPA 350.1	04/12/22		SNF
Carbonaceous Biochemical Oxygen Demand	5.5	mg/l	2.0	SM 5210 B	04/06/22 18:40	C-40a	ORS
Nitrate as N	2.10	mg/l	1.00	EPA 300.0 Rev 2.1	04/07/22 0:43		JAF
Nitrite as N	< 0.10	mg/l	0.10	EPA 300.0 Rev 2.1	04/07/22 0:43		JAF
Nitrate+Nitrite as N	<2.20	mg/l	1.10	CALCULATED	04/07/22 0:43		JAF
Nitrogen, Total	<2.91	mg/l	1.60	CALCULATED	04/07/22 20:00		SNF
Nitrogen, Total Kjeldahl (TKN)	0.71	mg/l	0.50	EPA 351.2 Rev 2.0	04/07/22		SNF
Phosphorus as P, Total	0.18	mg/l	0.01	SM 4500-P F	04/12/22		SNF
Solids, Total Suspended	18	mg/l	1	SM 2540 D	04/07/22		ALD

Lab ID:2210748-03Collected By:ClientSample Desc:SUEZ Middletown Effluent (Grab)

Sampled: 04/06/22 09:02

Received: 04/06/22 15:15 **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	62	/100ml	2	SM 9222 D	4/6/22 15:50	4/7/22 14:54		JMW



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



Attention:

Certificate of Analysis

 Laboratory No.:
 2211508

 Report:
 04/20/22

 Lab Contact:
 Bradley T Griffiths

Project Info: Bi-Weekly Inf & Eff

Lab ID:2211508-01Collected By:ClientSample Desc:SUEZ Middletown Influent (24Hr Composite)

453 S. Lawrence St. Middletown, PA 17057

Gene Lank

Reported To: Veolia Middletown

Sampled: 04/12/22 07:05

Received: 04/12/22 14:00 Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Biochemical Oxygen Demand	163	mg/l	2.0	SM 5210 B	04/12/22 17:25		ASD	
Solids, Total Suspended	116	mg/l	1	SM 2540 D	04/13/22		ALD	

Lab ID:2211508-02Collected By:ClientSample Desc:SUEZ Middletown Effluent (24Hr Composite)

Sampled: 04/12/22 08:47

Received: 04/12/22 14:00 Sample Type: Composite

			Rep.				
	Result	Unit	Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.19	mg/l	0.02	EPA 350.1	04/13/22		MRW
Carbonaceous Biochemical Oxygen Demand	3.6	mg/l	2.0	SM 5210 B	04/13/22 11:12		ASD
Nitrate as N	1.23	mg/l	1.00	EPA 300.0 Rev 2.1	04/12/22 20:15		JAF
Nitrite as N	< 0.10	mg/l	0.10	EPA 300.0 Rev 2.1	04/12/22 20:15		JAF
Nitrate+Nitrite as N	<1.33	mg/l	1.10	CALCULATED	04/12/22 20:15		JAF
Nitrogen, Total	<2.40	mg/l	1.60	CALCULATED	04/16/22 14:48		SNF
Nitrogen, Total Kjeldahl (TKN)	1.07	mg/l	0.50	EPA 351.2 Rev 2.0	04/16/22		SNF
Phosphorus as P, Total	0.24	mg/l	0.01	SM 4500-P F	04/13/22		MRW
Solids, Total Suspended	13	mg/l	1	SM 2540 D	04/13/22		ALD

Lab ID:2211508-03Collected By:ClientSample Desc:SUEZ Middletown Effluent (Grab)

Sampled: 04/12/22 09:07

Received: 04/12/22 14:00 **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	4/12/22 14:47	4/13/22 14:32		JMW



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



Attention:

Certificate of Analysis

 Laboratory No.:
 2211703

 Report:
 04/25/22

 Lab Contact:
 Bradley T Griffiths

Project Info: Bi-Weekly Inf & Eff

Lab ID:2211703-01Collected By:ClientSample Desc:SUEZ Middletown Influent (24Hr Composite)

453 S. Lawrence St. Middletown, PA 17057

Gene Lank

Reported To: Veolia Middletown

Sampled: 04/13/22 07:05

Received: 04/19/22 14:05 Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Biochemical Oxygen Demand	99.7	mg/l	2.0	SM 5210 B	04/13/22 17:00		KMS	
Solids, Total Suspended	126	mg/l	1	SM 2540 D	04/14/22		ALD	

Lab ID:2211703-02Collected By:ClientSample Desc:SUEZ Middletown Effluent (24Hr Composite)

Sampled: 04/13/22 08:50

Received: 04/19/22 14:05 Sample Type: Composite

			Rep.					
	Result	Unit	Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Ammonia as N	0.08	mg/l	0.02	EPA 350.1	04/14/22		SNF	
Carbonaceous Biochemical	2.9	mg/l	2.0	SM 5210 B	04/13/22 16:48		KMS	
Oxygen Demand		_						
Nitrate as N	1.50	mg/l	1.00	EPA 300.0 Rev 2.1	04/14/22 1:18		JAF	
Nitrite as N	< 0.10	mg/l	0.10	EPA 300.0 Rev 2.1	04/14/22 1:18		JAF	
Nitrate+Nitrite as N	<1.60	mg/l	1.10	CALCULATED	04/14/22 1:18		JAF	
Nitrogen, Total	<3.09	mg/l	1.60	CALCULATED	04/21/22 16:04		MRW	
Nitrogen, Total Kjeldahl (TKN)	1.49	mg/l	0.50	EPA 351.2 Rev 2.0	04/21/22		MRW	
Phosphorus as P, Total	0.21	mg/l	0.01	SM 4500-P F	04/14/22		SNF	
Solids, Total Suspended	8	mg/l	1	SM 2540 D	04/14/22		ALD	

Lab ID:2211703-03Collected By:ClientSample Desc:SUEZ Middletown Effluent (Grab)

Sampled: 04/13/22 09:10

Received: 04/19/22 14:05 **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	3	/100ml	2	SM 9222 D	4/13/22 16:06	4/14/22 14:47		JMW



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



Attention:

Certificate of Analysis

Laboratory No.: 2212460 **Report:** 04/29/22 Lab Contact: Bradley T Griffiths

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2212460-01 Collected By: Client **Sample Desc:** Influent (24Hr Composite)

453 S. Lawrence St. Middletown, PA 17057

Gene Lank

Reported To: Veolia Middletown

Sampled: 04/19/22 07:10

Received: 04/19/22 13:30 Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Biochemical Oxygen Demand	265	mg/l	2.0	SM 5210 B	04/19/22 17:45		KMS	
Solids, Total Suspended	188	mg/l	1	SM 2540 D	04/20/22		ALD	

Lab ID: 2212460-02 Collected By: Client Sample Desc: Effluent (24Hr Composite)

Sampled: 04/19/22 08:50

Received: 04/19/22 13:30 Sample Type: Composite

			Rep.					
	Result	Unit	Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Ammonia as N	0.09	mg/l	0.02	EPA 350.1	04/28/22		SNF	
Carbonaceous Biochemical Oxygen Demand	12.6	mg/l	2.0	SM 5210 B	04/20/22 11:25		KMS	
Nitrate as N	2.03	mg/l	1.00	EPA 300.0 Rev 2.1	04/19/22 15:09		JAF	
Nitrite as N	< 0.10	mg/l	0.10	EPA 300.0 Rev 2.1	04/19/22 15:09		JAF	
Nitrate+Nitrite as N	<2.13	mg/l	1.10	CALCULATED	04/19/22 15:09		JAF	
Nitrogen, Total	<2.63	mg/l	1.60	CALCULATED	04/22/22 3:48		MRW	
Nitrogen, Total Kjeldahl (TKN)	<0.50	mg/l	0.50	EPA 351.2 Rev 2.0	04/22/22		MRW	
Phosphorus as P, Total	0.21	mg/l	0.01	SM 4500-P F	04/28/22		SNF	
Solids, Total Suspended	7	mg/l	1	SM 2540 D	04/20/22		ALD	

Lab ID: 2212460-03 Collected By: Client **Sample Desc:** Effluent (Grab)

Sampled: 04/19/22 09:08

Received: 04/19/22 13:30 Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	13	/100ml	2	SM 9222 D	4/19/22 15:35	4/20/22 14:25		JMW



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

Attention:

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

Certificate of Analysis

Laboratory No.: 2212671 **Report:** 04/27/22 Lab Contact: Bradley T Griffiths

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2212671-01 Collected By: Client Sample Desc: Influent (24Hr Composite)

453 S. Lawrence St. Middletown, PA 17057

Gene Lank

Reported To: Veolia Middletown

Received: 04/20/22 14:10 Sampled: 04/20/22 07:05 Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Biochemical Oxygen Demand	206	mg/l	2.0	SM 5210 B	04/20/22 16:16		ASD	
Solids, Total Suspended	82	mg/l	1	SM 2540 D	04/22/22		ASD	

Lab ID: 2212671-02 Collected By: Client Sample Desc: Effluent (24Hr Composite)

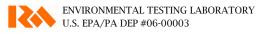
Sampled: 04/20/22 08:47

Received: 04/20/22 14:10 Sample Type: Composite

			Rep.				
	Result	Unit	Limit	Analysis Method	Analyzed	Notes	Analyst
General Chemistry							
Ammonia as N	0.20	mg/l	0.02	EPA 350.1	04/26/22		MRW
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	04/20/22 17:31		ASD
Nitrate as N	1.34	mg/l	1.00	EPA 300.0 Rev 2.1	04/20/22 19:53		JAF
Nitrite as N	< 0.10	mg/l	0.10	EPA 300.0 Rev 2.1	04/20/22 19:53		JAF
Nitrate+Nitrite as N	<1.44	mg/l	1.10	CALCULATED	04/20/22 19:53		JAF
Nitrogen, Total	<2.70	mg/l	1.60	CALCULATED	04/25/22 17:46		SNF
Nitrogen, Total Kjeldahl (TKN)	1.26	mg/l	0.50	EPA 351.2 Rev 2.0	04/25/22		SNF
Phosphorus as P, Total	0.23	mg/l	0.01	SM 4500-P F	04/26/22		MRW
Solids, Total Suspended	9	mg/l	1	SM 2540 D	04/22/22		ASD



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



Lab ID:	2212671-03	Collected By:	Client	Sampled:	04/20/22 09:02	Received:	04/20/22 14:10
Sample Desc:	Effluent (Grab)					Sample Type:	Grab

			Rep.					
	Result	Unit	Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	4/20/22	4/21/22		JMW
					16:13	14:46		

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2212671-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2D1381	04/25/2022	SNF



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

Attention:

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

Certificate of Analysis

Laboratory No.: 2213525 **Report:** 05/03/22 Lab Contact: Bradley T Griffiths

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2213525-01 Collected By: Client Sample Desc: Influent (24Hr Composite)

453 S. Lawrence St. Middletown, PA 17057

Gene Lank

Reported To: Veolia Middletown

Received: 04/26/22 14:00 Sampled: 04/26/22 07:05 Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Biochemical Oxygen Demand	162	mg/l	2.0	SM 5210 B	04/26/22 15:34		KMS	
Solids, Total Suspended	164	mg/l	1	SM 2540 D	04/27/22		TMH	

Lab ID: 2213525-02 Collected By: Client Sample Desc: Effluent (24Hr Composite)

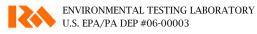
Sampled: 04/26/22 08:43

Received: 04/26/22 14:00 Sample Type: Composite

			Rep.					
	Result	Unit	Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Ammonia as N	0.31	mg/l	0.02	EPA 350.1	04/29/22		SNF	
Carbonaceous Biochemical Oxygen Demand	<2.0	mg/l	2.0	SM 5210 B	04/26/22 16:23		GNG	
Nitrate as N	1.75	mg/l	1.00	EPA 300.0 Rev 2.1	04/26/22 15:15		JAF	
Nitrite as N	< 0.10	mg/l	0.10	EPA 300.0 Rev 2.1	04/26/22 15:15		JAF	
Nitrate+Nitrite as N	<1.85	mg/l	1.10	CALCULATED	04/26/22 15:15		JAF	
Nitrogen, Total	<3.09	mg/l	1.60	CALCULATED	05/02/22 23:49		SNF	
Nitrogen, Total Kjeldahl (TKN)	1.24	mg/l	0.50	EPA 351.2 Rev 2.0	05/02/22		SNF	
Phosphorus as P, Total	0.45	mg/l	0.01	SM 4500-P F	04/29/22		SNF	
Solids, Total Suspended	2	mg/l	1	SM 2540 D	04/27/22		TMH	



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



Lab ID:	2213525-03	Collected By:	Client	Sampled:	04/26/22 09:01	Received:	04/26/22 14:00
Sample Desc:	Effluent (Grab)					Sample Type:	Grab

			Rep.					
	Result	Unit	Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	4/26/22	4/27/22		JMW
					15:20	14:54		

Preparation Methods

Specific Method	Preparation Method	Prep Batch	Prepared Date	Prepared By
2213525-02				
General Chemistry				
SM 4500-P F	SM 4500-P B	B2D1604	04/28/2022	SNF



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



Attention:

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

Certificate of Analysis

Laboratory No.: 2213705 **Report:** 05/04/22 Lab Contact: Bradley T Griffiths

Project Info: Bi-Weekly Inf & Eff

Lab ID: 2213705-01 Collected By: Client

453 S. Lawrence St. Middletown, PA 17057

Gene Lank

Sample Desc: Influent (24Hr Composite)

Reported To: Veolia Middletown

Sampled: 04/27/22 07:05

Received: 04/27/22 14:40 Sample Type: Composite

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Biochemical Oxygen Demand	182	mg/l	2.0	SM 5210 B	04/27/22 16:15		KMS	
Solids, Total Suspended	152	mg/l	1	SM 2540 D	04/28/22		TMH	

Lab ID: 2213705-02 Collected By: Client Sample Desc: Effluent (24Hr Composite)

Sampled: 04/27/22 08:43

Received: 04/27/22 14:40 Sample Type: Composite

			Rep.					
	Result	Unit	Limit	Analysis Method	Analyzed	Notes	Analyst	
General Chemistry								
Ammonia as N	0.08	mg/l	0.02	EPA 350.1	05/03/22		AXM	
Carbonaceous Biochemical Oxygen Demand	2.3	mg/l	2.0	SM 5210 B	04/27/22 17:30		KMS	
Nitrate as N	2.04	mg/l	1.00	EPA 300.0 Rev 2.1	04/27/22 17:25		JAF	
Nitrite as N	< 0.10	mg/l	0.10	EPA 300.0 Rev 2.1	04/27/22 17:25		JAF	
Nitrate+Nitrite as N	<2.14	mg/l	1.10	CALCULATED	04/27/22 17:25		JAF	
Nitrogen, Total	<3.22	mg/l	1.60	CALCULATED	05/02/22 18:46		SNF	
Nitrogen, Total Kjeldahl (TKN)	1.08	mg/l	0.50	EPA 351.2 Rev 2.0	05/02/22		SNF	
Phosphorus as P, Total	0.26	mg/l	0.01	SM 4500-P F	05/03/22		AXM	
Solids, Total Suspended	2	mg/l	1	SM 2540 D	04/28/22		TMH	

Lab ID: 2213705-03 Collected By: Client **Sample Desc:** Effluent (Grab)

Sampled: 04/27/22 09:00

Received: 04/27/22 14:40 Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Incubated	Analyzed	Notes	Analyst
Microbiology								
Fecal Coliform	<2	/100ml	2	SM 9222 D	4/27/22 16:05	4/28/22 14:49		JMW



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

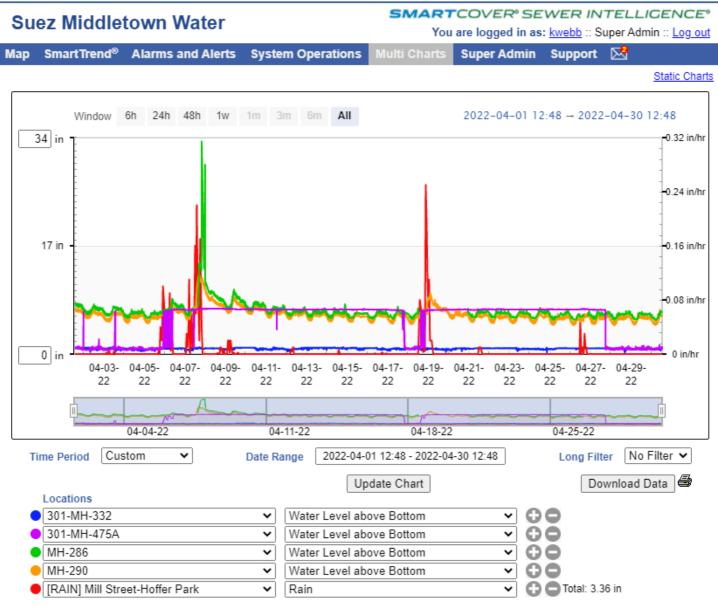


Chart up to 5 data series by selecting additional locations & their data types.

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

			M	onthly Water F	Pumped						
			Middle	etown Borougł	n Authority						
Ap	ril, 2022										
	Maximum Day	1,033,275					Days pumped				
Dist	Minimum Day	717,327	W/H M. 2	XV. D. XI. A	XV. II NL 5	W.U.N.	Tetal	III D (
Date	Well No.1	Well No.2	Well No.3	Well No.4	Well No.5	Well No.6	Total	Union Booster			
01	185,020	309,998			105,853	334,214	935,085	129,730			
02	120,047	311,268			68,661	217,351	717,327	62,748			
03	184,327	310,452			105,568	332,882	933,229	70,187			
04	145,764	310,296			83,301	263,163	802,524	82,030			
05	165,628	310,169			94,600	299,261	869,658	114,672			
06	46,103	305,124			106,768	331,813	789,808	63,771			
07	147,319	312,658			90,302	284,104	834,383	101,258			
08	171,563	312,302			98,294	312,598	894,757	93,627			
09	163,339	313,768			93,743	297,383	868,233	64,396			
10	159,031	314,053			90,921	287,669	851,674	66,917			
11	188,852	313,386			71,853	343,159	917,250	127,558			
12	147,529	314,079			84,969	270,132	816,709	64,687			
13	140,535	314,147			81,366	257,936	793,984	81,997			
14	279,103	309,855			161,522	185,851	936,331	110,527			
15	152,723	312,149			88,067	280,741	833,680	63,894			
16	123,109	312,755			71,211	226,754	733,829	67,321			
17	160,798	311,900			92,371	293,442	858,511	106,626			
18	166,624	311,770			95,267	302,568	876,229	81,865			
19	153,001	312,033			87,317	276,647	828,998	71,433			
20	150,627	312,509			86,196	273,955	823,287	127,955			
21	154,533	312,109			88,935	282,264	837,841	65,934			
22	157,394	312,421			90,482	287,375	847,672	126,598			
23	139,594	312,577			80,437	254,615	787,223	75,759			
24	151,587	311,608			87,989	278,005	829,189	68,468			
25	162,799	311,512			93,475	298,935	866,721	133,831			
26	213,449	309,593			123,236	386,997	1,033,275	67,143			
27	162,461	310,770			93,175	295,959	862,365	130,119			
28	158,477	310,592			91,241	288,796	849,106	70,051			
29	199,370	309,363			114,556	361,361	984,650	128,546			
30	158,005	308,836			90,865	284,926	842,632	65,700			
	,	,				,					
Totals:	4,808,711	9,344,052			2,812,541	8,690,856	25,656,160	2,685,348			
Maximum	279,103	314,147			161,522	386,997	1,033,275	133,831			
Minimum	46,103	305,124			68,661	185,851	717,327	62,748			
Average	160,290	311,468			93,751	289,695	855,205	89,512			

	А	В	С	D	E	F	G	Н		J	К	L	М	N	0	Р	Q
		_			_		-		ution System Mo	÷		Location		•	-	· · ·	_
2			03 Compliance Sampling Log	400000	400007	400008	400011	400012	400013	400014	400015	400016	400017	400018	400019	400020	
-			'omj ìplir		100007	100000	100011		100015		100015	100010		100010		100020	
			pliaı 1g L	DS-000: Contractual Weekly Distribution	pH	Temperature	Hardness	Alkalinity (CaCO3)	Calcium	Phosphorus, Total	Silicates	Iron, Total	Manganese, Total	TDS	Specific Conductance	Langlier Index	
3			nce og	-	CT.	D.C.	7		<i>(</i> 7		/*	π		π		LOI	
4		1 Fri		Date	SU	Deg C	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	umhos/Cm2	LSI	
5 6		2 Sat															
7		2 Sat 3 Sun															
8		4 Mon															
8 9 10		5 Tue		4-5-22	7.60	15.0	322.0	194.00	100.00	0.05	20.90	<0.02	<0.01	265.00	675.00	7.60	
10		6 Wed															
11		7 Thu												1			
12		8 Fri															
13		9 Sat															
13 14		10 Sun															
15 16		11 Mon															
16		12 Tue		4-12-22	7.60	16.0	326.0	194.00	103.00	0.08	20.90	<0.02	<0.01	257.00	693.00	7.60	
17 18		13 Wed															
18		14 Thu															
19	Apr	15 Fri															
20		16 Sat															
21		17 Sun															
22		18 Mon		1 10 00		15.0		100.00	100.00	0.05	04.50				700.00	7.50	
23		19 Tue		4-19-22	7.50	15.0	320.0	198.00	100.00	0.05	21.50	<0.02	<0.01	288.00	702.00	7.50	-
24		20 Wed															
25		21 Thu 22 Fri															
20		22 Fri 23 Sat															
28		23 Sat 24 Sun															
19 20 21 22 23 24 25 26 27 28 29 30 31		24 Sun 25 Mon															
30		26 Tue		4-26-22	7.60	16.0	339.0	195.00	105.00	0.08	20.20	<0.02	<0.01	251.00	745.00	7.60	
31		27 Wed												1			
32		28 Thu												1			
32 33		29 Fri												1			
34		30 Sat															
36	Μ	INIMUM		4-12-22	7.50	15.0	320.0	194.00	100.00	0.05	20.20	<0.02	<0.01	251.00	675.00	7.50	
37	М	AXIMUM		4-5-22	7.60	16.0	339.0	198.00	105.00	0.08	21.50			288.00	745.00		
38	A١	/ERAGE		1	7.58	15.5	326.8	195.25	102.00	0.07	20.88	<0.02	<0.01	265.25	703.75	3.30	
39		SUM		4	30.30	62.0	1,307.0	781.00	408.00	0.26	83.50	<0.08	<0.04	1,061.00	2,815.00	13.21	

								(Certifi	icate	e of A	naly	vsis
M.J. Reider Associates, Inc. ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003								I		orted:	2211705 04/07/22 Christina N	l Kistler	
Attentior Reported 7	Г о:	Chris Hanr Veolia Mid 453 S. Law Middletow	dletown rence St.)57		Project: Feb,Apr,Jun,Aug,Oct,Dec Week 1 7220038							
Lab ID: Sample Desc: Notes:				cted By:	Client	_		04/05 72200	5/22 08:50 138		Received: EP Type: Loc ID:	D-Dist	
			Result	Unit	Rep. Limit	Analysis Method	Inc	ubated	Analyzed	Notes	Analyst	EPA Min/1	
Microbiology Total Coliform			Absent	/100ml	1.00	SM 9223 Colilert		/5/22 16:37	4/6/22 10:46		NAK	N/A	1
Lab ID: Sample Desc: Notes:				cted By: Booster		_		04/05 72200	5/22 08:08 138		Received: EP Type: Loc ID:	D-Dist	
			Result	Unit	Rep. Limit	Analysis Method	Inc	ubated	Analyzed	Notes	Analyst	EPA Min/	
Microbiology Total Coliform			Absent	/100ml	1.00	SM 9223 Colilert		/5/22 16:37	4/6/22 10:46		NAK	N/A	1
Lab ID: Sample Desc: Notes:		1705-03 North Uni		cted By: Standpip		_		04/05 72200	5/22 08:22 938		Received: EP Type: Loc ID:	D-Dist	
			Result	Unit	Rep. Limit	Analysis Method	Inc	ubated	Analyzed	Notes	Analyst	EPA I Min/I	
Microbiology Total Coliform			Absent	/100ml	1.00	SM 9223 Colilert		/5/22 16:37	4/6/22 10:46		NAK	N/A	1



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

107 Angelica St, Reading PA, 19611 610-374-5129 www.mjreider.com 4085 WORK ORDER Chain of Custody

Comments:

Client: Veolia Middletown Project: Feb,Apr,Jun,Aug,Oct,Dec Week 1



PWSID: 7220038

Project Manager:Christina M KistlerProject: FReport To:Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

Collected By : ANNAN (Full Name)

2211705-01 701 Middletown WWTP

TC (P/A) SM 9223B

Client Code:

2211705-02 703 North Union Street Booster Station

TC (P/A) SM 9223B

2211705-03 706 North Union Street Standpipe

TC (P/A) SM 9223B

4-5-22 Matrix: Drinking Water Date: Deso Type: Grab Time: PA DEP Sample Type: D-Distribution Loc ID: 701 0.90 A - Sterile Pl 125ml NaThio Matrix: Drinking Water Date: Type: Grab Time: PA DEP Sample Type: D-Distribution Loc ID: 703 0.84 A - Sterile Pl 125ml NaThio 4-5-27 Matrix: Drinking Water Date: Type: Grab Time: PA DEP Sample Type: D-Distribution Loc ID: 706 0.64 A - Sterile Pl 125ml NaThio

FRIDGE 0.7

Report Template

CILLES HANNAN	4.5-22 0851	FRADER	4-5-	12 0851		
Relinquished By	Date/Time	Received By	, Mate/Time	15/72 1035	Sample Kit Prepared By:	Date/Time
Relinquished By	Date/Time	Received By	Date/Tim	5/22 1400	Sample Temp (°C):	2.1
Relinquished By	Date/Time	Received at Laboratory By	Date/Time	: :	Samples on Ice? Approved By:	(res) No NA
The Client, by signing (or having the client's agent sign), a to pay for the above requested services including any add			Page 1 of 1	Printed: 3/29/2022 11:51:57AM	Entered By:	Page 2 of 4



ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

Attention: Chris Hannan Reported To: Veolia Middletown

453 S. Lawrence St. Middletown, PA 17057

Lab ID:2211704-01Collected By:client

Sample Desc: WWTP Lab Sink

Notes:

Laboratory No.: 2211704 Reported: 04/15/22

Lab Contact: Christina M Kistler

Project: DW-Weekly WWTP Water Lab Sink 7220038

Sampled: 04/05/22 08:52 Sam

Received: 04/05/22 14:00 **Sample Type:** Grab

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/ Fail
General Chemistry									
Alkalinity, Total to pH 4.5	194	mg	2	SM 2320 B	04/07/22		APR	N/A N/A	
		CaCO3/							
		L							
Total Hardness as CaCO3	322	mg/l	4.56	CALCULATED	04/08/22		HRG	N/A N/A	
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	04/07/22		MRW	N/A N/A	
Silica as SiO2	20.9	mg/l	2.14	CALCULATED	04/12/22		HRG	N/A N/A	
Conductivity	675	umhos/c	1	SM 2510 B	04/06/22		ALL	N/A N/A	
		m							
Total Metals									
Calcium	100	mg/l	1	EPA 200.7 Rev 4.4	04/08/22		HRG	N/A N/A	
Iron	< 0.02	mg/l	0.02	EPA 200.7 Rev 4.4	04/06/22		HRG	N/A 0.3	PASS
Magnesium	17.4	mg/l	0.5	EPA 200.7 Rev 4.4	04/08/22		HRG	N/A N/A	
Manganese	< 0.005	mg/l	0.005	EPA 200.8 Rev 5.4	04/06/22		MPB	N/A 0.05	PASS
Silicon	9.8	mg/l	1.0	EPA 200.7 Rev 4.4	04/12/22		HRG	N/A N/A	

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2211704-01			
SM 4500-P F	SM 4500-P B	04/06/2022	MRW



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



107 Angelica St, Reading PA, 19611 610-374-5129 www.mjreider.com **Client Code:** 4085

WORK ORDER Chain of Custody



Client: Veolia Middletown

Project: DW-Weekly WWTP Water Lab Sink

Comments:

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

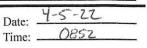
Collected By : 477> LANNAN (Full Name)

Project Manager: Christina M Kistler

2211704-01 WWTP Lab Sink

Alk SM 2320B, Ca EPA 200.7, Fe EPA 200.7, Hardness EPA 200.7 CALC, Mg EPA 200.7, Mn EPA 200.8, PO4 SM 4500P-F, Si EPA 200.7, Silica as SiO2 EPA 200.7 CALC, Sp Cond SM 2510B

Matrix: Drinking Water Type: Grab A - Pl 500ml NP, minimal hdspc B - PI 500ml HNO3 C - Pl 500ml H2SO4



FRIDGE 0.7 PH 7.6 TEMP 15 TDS ZES Chr 0.90

CHETS HANJAN	4-5-22 OBSS	FRIDER	4-5-2	Z 0855		
Relinquished By	Date/Time	Received By	Date/Time	127 1035	Sample Kit Prepared By:	Date/Time
Relinquished By	Date/Time	Received By	Date/Time	1/5/22 1400	Sample Temp (°C):	2.1
Relinquished By	Date/Time	Received at Laboratory By	Date/Time	,	Samples on Ice? Approved By:	(Yes) No NA
The Client, by signing (or having the client's agent sign to pay for the above requested services including any a		Pa	age 1 of 1	Printed: 3/29/2022 11:51:56AM	Entered By:	A

Report Template: Page 2 of 3

							0	Certifi	icate	e of A	nalysis
M.J. Reider As	sociates, I	nc.					L	aboratory	7 No.: 2	2212673	
ENVIRONMENTAL TES	TING LABORAT	ORY						Repo	orted:	04/15/22	
PA DEP #06-00003								Lab Co	itact:	Christina N	l Kistler
Attention: Reported To	Chris Har Veolia Mi 453 S. Lav Middletov	ddletown vrence St.	057		Proje	-	Feb,A 72200	.pr,Jun,Aug 138	g,Oct,De	ec Week 2	
Lab ID: 2 Sample Desc: 2	2212673-01 704 Village of		cted By: Office	Client	Samp	led: (04/12	/22 08:28			04/12/22 14: D-Distribution
Notes:					PWS	SID: 7	72200	38		Loc ID:	704
		Result	Unit	Rep. Limit	Analysis Method	Incub	ated	Analyzed	Notes	Analyst	EPA MCL Min/Max
Microbiology Total Coliform		Absent	/100ml	1.00	SM 9223 Colilert	4/12 16:2		4/13/22 10:28		NAK	N/A 1
	2212673-02 705 High Stre		cted By:	Client	Samp	led: (04/12	/22 08:44			04/12/22 14: D-Distribution
Notes:	_	_	-		PWS	SID: 7	72200	38		Loc ID:	705
		D. L	T T 1 .	Rep.	Analysis	T 1					EPA MCL
Microbiology		Result	Unit	Limit	Method	Incub	ated	Analyzed	Notes	Analyst	Min/Max
Total Coliform		Absent	/100ml	1.00	SM 9223 Colilert	4/12 16:2		4/13/22 10:28		NAK	N/A 1



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

107 Angelica St, Reading PA, 19611 610-374-5129 www.mjreider.com 4085

WORK ORDER **Chain of Custody**

Client: Veolia Middletown Project: Feb, Apr, Jun, Aug, Oct, Dec Week 2



PWSID: 7220038

Project Manager: Christina M Kistler Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057 Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

Client Code:

Collected By: CHRZ> HANNAN	Comments:	
2212673-01 704 Village of Pineford Office	Matrix: Drinking Water Type: Grab	Date: <u>4-12-22</u> Time: <u>0828</u>
TC (P/A) SM 9223B	PA DEP Sample Type: D-Distribution A - Sterile Pl 125ml NaThio	Loc ID: 704 (00
2212673-02 705 High Street Standpipe	Matrix: Drinking Water Type: Grab	Date: <u>4-12-22</u> Time: <u>0844</u>
TC (P/A) SM 9223B	PA DEP Sample Type: D-Distribution A - Sterile Pl 125ml NaThio	Loc ID: 705 99

FRIDGE 1.0

CHRAS Hannau	4-12-22 0903	FRIDGE	4-1	2-22 0503		
Relinquished By	Date/Time	Received By	Date/1		Sample Kit Prepared By:	Date/Time
FRIDGE	L	Kingl	- 4	-12-22 ()	QNR	ALLASDA
Relinquished By	Date/Time	Received By	Date/I		12/41	0900000
	^ي د	Kingke	4	[-12-22 14 00	Sample Temp (°C):	0.5
Relinquished By	Date/Time	Received at Laboratory By	Date/T	Time	Samples on Ice?	(Yes) No NA
The Client, by signing (or having the client's agent sign), to pay for the above requested services including any add		nd	Page 1 of 1	Printed: 4/5/2022 8:45:29AM	Approved By: Entered By:	Template Page 2 of 4



ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

Attention:Chris HannanReported To:Veolia Middletown453 S. Lawrence St.

Middletown, PA 17057

Lab ID:2212672-01Collected By:Client

Sample Desc: WWTP Lab Sink

Notes:

Certificate of Analysis

Laboratory No.: 2212672 Reported: 04/22/22

Lab Contact: Christina M Kistler

Project: DW-Weekly WWTP Water Lab Sink 7220038

Sampled: 04/12/22 09:10 Received: 04/12/22 14:00 Sample Type: Grab

	Result	Unit	Rep. Limit	Analysis Method	Analyzed	Notes	Analyst	EPA MCL Min/Max	Pass/ Fail
General Chemistry									
Alkalinity, Total to pH 4.5	194	mg CaCO3/ L	2	SM 2320 B	04/13/22		APR	N/A N/A	
Total Hardness as CaCO3	326	mg/l	4.56	CALCULATED	04/14/22		HRG	N/A N/A	
Phosphorus as P, Total	0.08	mg/l	0.01	SM 4500-P F	04/20/22		MRW	N/A N/A	
Silica as SiO2	20.9	mg/l	2.14	CALCULATED	04/19/22		HRG	N/A N/A	
Conductivity	693	umhos/c	1	SM 2510 B	04/14/22		ALL	N/A N/A	
		m							
Total Metals									
Calcium	103	mg/l	1	EPA 200.7 Rev 4.4	04/14/22		HRG	N/A N/A	
Iron	< 0.02	mg/l	0.02	EPA 200.7 Rev 4.4	04/13/22		HRG	N/A 0.3	PASS
Magnesium	17.0	mg/l	0.5	EPA 200.7 Rev 4.4	04/14/22		HRG	N/A N/A	
Manganese	< 0.005	mg/l	0.005	EPA 200.8 Rev 5.4	04/13/22		MPB	N/A 0.05	PASS
Silicon	9.7	mg/l	1.0	EPA 200.7 Rev 4.4	04/19/22		HRG	N/A N/A	

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2212672-01			
SM 4500-P F	SM 4500-P B	04/19/2022	SNF



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



107 Angelica St, Reading PA, 19611 610-374-5129 www.mjreider.com WORK ORDER Chain of Custody

Client: Veolia Middletown Project: DW-Weekly WWTP Water Lab Sink

Comments:



Project Manager: Christina M Kistler

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

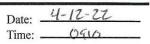
myorce 10. veolia Middletown - Keny Peters - 455 S. Lawrence St., Middletown, PA 17

Collected By : KIS TANNAN (Full Name)

2212672-01 WWTP Lab Sink

Alk SM 2320B, Ca EPA 200.7, Fe EPA 200.7, Hardness EPA 200.7 CALC, Mg EPA 200.7, Mn EPA 200.8, PO4 SM 4500P-F, Si EPA 200.7, Silica as SiO2 EPA 200.7 CALC, Sp Cond SM 2510B

Matrix: Drinking Water Type: Grab A - Pl 500ml NP, minimal hdspc B - Pl 500ml HNO3 C - Pl 500ml H2SO4



FRIDGE 1.0 7.4 TEMP PO 14 TOS 257 @Lz 0.85

112.15 4-12-22 4-12-22 RIDIC ANNAN 0412 1300 Relinguished By Date/Time Received By Date/Time Sample Kit Prepared By: Date/Time PIDGE Relinquished By Date/Time Date/Time 0 61 Sample Temp (°C): Relinquished By Date/Time Samples on Ice? NA Received at Laboratory By Date/Time No Approved By: The Client, by signing (or having the client's agent sign), agrees to MJRA's Terms and Conditions and Page 1 of 1 Entered By: Printed: 4/5/2022 8:45:28AM to pay for the above requested services including any additional associated fees incurred. Page 2 of 3 Report Template:

								0	Certifi	icate	e of A	naly	sis
	M.J. Reider Associates, Inc. Invironmental testing laboratory IA DEP #06-00003							Laboratory No.: 2213707 Reported: 04/22/22 Lab Contact: Christina M Kistler					
Attentior Reported 7	Го:	Chris Hanı Veolia Mid 453 S. Law Middletow	dletown rrence St.	057		Project: Feb,Apr,Jun,Aug,Oct,Dec Week 3 7220038							
Lab ID: Sample Desc: Notes:				cted By:	Client	_	oled: 0 /SID: 7		/22 08:55 38		Received: EP Type: Loc ID:	D-Distr	
			Result	Unit	Rep. Limit	Analysis Method	Incuba	ated	Analyzed	Notes	Analyst	EPA M Min/N	
Microbiology Total Coliform			Absent	/100ml	1.00	SM 9223 Colilert	4/19, 15:4		4/20/22 10:18		NAK	N/A	1
Lab ID: Sample Desc: Notes:				cted By: Booster		-		d: 04/19/22 08:21D: 7220038		Received: PADEP Type: Loc ID:		D-Distr	
			Result	Unit	Rep. Limit	Analysis Method	Incuba	ated	Analyzed	Notes	Analyst	EPA N Min/N	
Microbiology Total Coliform			Absent	/100ml	1.00	SM 9223 Colilert	4/19, 15:4		4/20/22 10:18		NAK	N/A	1
Lab ID: Sample Desc:		3707-03 North Uni		cted By: Standpip		Samp	oled: (04/19	/22 08:35		Received: EP Type:		
Notes:						PW	'SID: 7	2200	38		Loc ID:	706	
			Result	Unit	Rep. Limit	Analysis Method	Incuba	ated	Analyzed	Notes	Analyst	EPA M Min/N	
Microbiology Total Coliform			Absent	/100ml	1.00	SM 9223 Colilert	4/19, 15:4		4/20/22 10:18		NAK	N/A	1



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

M.J. Reider Associates, Inc. 107 Angelica St, Reading PA, 19611

610-374-5129 www.mjreider.com 4085

WORK ORDER **Chain of Custody**

Comments:

Client: Veolia Middletown Project: Feb, Apr, Jun, Aug, Oct, Dec Week 3



Project Manager: Christina M Kistler Report To: Veolia Middletown - Chris Hannan - 453 S. Lawrence St., Middletown, PA 17057

Invoice To: Veolia Middletown - Kelly Peters - 453 S. Lawrence St., Middletown, PA 17057

Collected By : (Full Name) ANNAN

2213707-01 701 Middletown WWTP

TC (P/A) SM 9223B

Client Code:

2213707-02 703 North Union Street Booster Station

TC (P/A) SM 9223B

2213707-03 706 North Union Street Standpipe

TC (P/A) SM 9223B

Matrix: Drinking Water Type: Grab PA DEP Sample Type: D-Distribution A - Sterile Pl 125ml NaThio	Date: <u>4-14-27</u> Time: <u>0855</u> Loc ID: 701 74
Matrix: Drinking Water Type: Grab PA DEP Sample Type: D-Distribution A - Sterile Pl 125ml NaThio	Date: $4 - 19 - 22$ Time: 0821 Loc ID: 703 83
Matrix: Drinking Water Type: Grab PA DEP Sample Type: D-Distribution A - Sterile Pl 125ml NaThio	Date: <u>4-16-22</u> Time: <u>0835</u> Loc ID: 706 75



CIARIS HANNAN Relinguished By	<u>4-14-22</u> 0850 Date/Time	FRZD6E Received By	4-19-22 0054		
Relinquished By	Date/Time	Received By	Date/Time	Sample Kit Prepared By: BAR	Date/Time
Relinquished By	Date/Time	Received at Laboratory By	$\frac{4-14-3}{\text{Date/Time}}$	Sample Temp (°C): Samples on Ice?	(, O (Yes) No NA
The Client, by signing (or having the client's agent sign), a to pay for the above requested services including any additional services and the services of t	grees to MJRA's Terms and Conditions and tional associated fees incurred.	Page 1 of 1	Printed: 4/12/2022 9:37:40AM	Approved By: Entered By:	Page 2 of 4

Report Template: wko WorkOrder COC Is



ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

Attention:Chris HannanReported To:Veolia Middletown453 S. Lawrence St.

Middletown, PA 17057

Lab ID: 2213706-01 Collected By: client

Sample Desc: WWTP Lab Sink

Notes:

Certificate of Analysis

Laboratory No.: 2213706 Reported: 04/29/22

Lab Contact: Christina M Kistler

Project: DW-Weekly WWTP Water Lab Sink 7220038

Sampled: 04/19/22 08:58 Received: 04/19/22 13:30 Sample Type: Grab

	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 CaCO3/ L	2	SM 2320 B	04/21/22		APR	N/A N/A	Δ
Total Hardness as CaCO3	320	mg/l	4.56	CALCULATED	04/21/22		HRG	N/A N/A	1
Phosphorus as P, Total	0.05	mg/l	0.01	SM 4500-P F	04/27/22		MRW	N/A N/A	1
Silica as SiO2	21.5	mg/l	2.14	CALCULATED	04/26/22		HRG	N/A N/A	1
Conductivity	702	umhos/c	1	SM 2510 B	04/21/22		ALL	N/A N/A	1
		m							
Total Metals									
Calcium	100	mg/l	1	EPA 200.7 Rev 4.4	04/21/22		HRG	N/A N/A	1
Iron	< 0.02	mg/l	0.02	EPA 200.7 Rev 4.4	04/21/22		HRG	N/A 0.3	PASS
Magnesium	16.9	mg/l	0.5	EPA 200.7 Rev 4.4	04/21/22		HRG	N/A N/A	1
Manganese	< 0.005	mg/l	0.005	EPA 200.8 Rev 5.4	04/20/22		MPB	N/A 0.05	PASS
Silicon	10.1	mg/l	1.0	EPA 200.7 Rev 4.4	04/26/22		HRG	N/A N/A	1

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2213706-01			
SM 4500-P F	SM 4500-P B	04/26/2022	MRW



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

107 Angelica St, Reading PA, 19611 www.mjreider.com 610-374-5129 4085

WORK ORDER **Chain of Custody**

Comments:

Client: Veolia Middletown Project: DW-Weekly WWTP Water Lab Sink



Report Template: v

Project Manager: Christina M Kistler

Client Code:

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

Collected By : ANNAN (Full Name)

2213706-01 WWTP Lab Sink

Alk SM 2320B, Ca EPA 200.7, Fe EPA 200.7, Hardness EPA 200.7 CALC, Mg EPA 200.7, Mn EPA 200.8, PO4 SM 4500P-F, Si EPA 200.7, Silica as SiO2 EPA 200.7 CALC, Sp Cond SM 2510B

Matrix: Drinking Water Type: Grab A - Pl 500ml NP, minimal hdspc B - Pl 500ml HNO3 C - Pl 500ml H2SO4

Date:	4-19-22	
Time:	0258	-

FRANCE -0.5 PH 7.5 TEMP 15 TOS ZBE Ch2 0.74

CHRIS HANNAN	4-14-22 0901	FRIDLE	4-19-22 0501		
Relinquished By	Date/Time	Received By	Date/Time	Sample Kit Prepared By:	Date/Time
TRZDGE Relinquished By	Date/Time <	Received By	<u> 4-19-22</u> 1030 Date/Time	BAR	041222
Relinquished By	Date/Time	Received at Laboratory By	<u>- 4-19-22 1330</u> Date/Time	Sample Temp (°C): Samples on Ice?	Ver No NA
The Client, by signing (or having the client's agent sign to pay for the above requested services including any a	n), agrees to MJRA's Terms and Conditions and additional associated fees incurred.	Page 1 of 1	Printed: 4/12/2022 9:37:38AM	Approved By: Entered By:	Page 2 of 3

							(Certifi	icate	e of A	naly	rsis
M.J. Reider Asso	ciates, Iı	1C.					I	aboratory	/ No.:	2214598		
ENVIRONMENTAL TESTIN PA DEP #06-00003	IG LABORAT	ORY						Repo	orted:	04/29/22		
PA DEP #00-00005								Lab Co	ntact:	Christina N	I Kistler	
Attention: Reported To:	Chris Hann Veolia Mid 453 S. Law Middletow	ldletown rrence St.	057		Proje	ct:	Feb,A 72200	Apr,Jun,Auş)38	g,Oct,De	ec Week 4		
Lab ID: 22 Sample Desc: 704	14598-01 4 Village of		cted By: Office	Client	Samp	led:	04/20	5/22 08:13		Received: EP Type:		
Notes:					PWS	SID:	72200)38		Loc ID:	704	
		Result	Unit	Rep. Limit	Analysis Method	Incu	ibated	Analyzed	Notes	Analyst	EPA M Min/M	
Microbiology Total Coliform		Absent	/100ml	1.00	SM 9223 Colilert		26/22 6:53	4/27/22 11:00		JMW	N/A	1
Lab ID: 22 Sample Desc: 70	14598-02 5 High Stree		cted By:	Client	Samp	led:	04/26	5/22 08:30		Received: EP Type:		
Notes:					PWS	SID:	72200	038		Loc ID:	705	
		Result	Unit	Rep. Limit	Analysis Method	Incu	ibated	Analyzed	Notes	Analyst	EPA M Min/N	
Microbiology Total Coliform		Absent		1.00	SM 9223 Colilert	4/2	26/22 6:53	4/27/22 11:00		JMW	N/A	1



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

Client Code:

M.J. Reider Associates, Inc.

107 Angelica St, Reading PA, 19611 610-374-5129 www.mjreider.com 4085 WORK ORDER Chain of Custody

Client: Veolia Middletown

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



PWSID: 7220038

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

Collected By : (Full Name)

Project Manager: Christina M Kistler

HRES HANNAN

Comments:

2214598-01 704 Village of Pineford Office	Matrix: Drinking Water Type: Grab	Date: <u>4-216-22</u> Time:0B13
TC (P/A) SM 9223B	PA DEP Sample Type: D-Distribution A - Sterile Pl 125ml NaThio	Loc ID: 704 10 Z
2214598-02 705 High Street Standpipe	Matrix: Drinking Water Type: Grab	Date: $\frac{4-26-22}{0830}$
TC (P/A) SM 9223B	PA DEP Sample Type: D-Distribution A - Sterile Pl 125ml NaThio	Loc ID: 705

FRIDGE ON

tRis 4-26-22 4-26-22 GANNAN NOVO 2061 1)840 Relinquished By Date/Time Date/Time Sample Kit Prepared By: 2022 Date/Time 0 APR 26 2022 Ru Relinquished By Date/Time Date/Time APR Sample Temp (°C): Relinquished By Date/Time Received at Laboratory By Date/Time Samples on Ice? Yes No NA Approved By: The Client, by signing (or having the client's agent sign), agrees to MJRA's Terms and Conditions and Page 1 of 1 Printed: 4/19/2022 8:12:06AM Entered By: to pay for the above requested services including any additional associated fees incurred. Page 2 of 4 Report Template: w



ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

Attention:Chris HannanReported To:Veolia Middletown453 S. Lawrence St.

Middletown, PA 17057

Lab ID:2214597-01Collected By:Client

Sample Desc: WWTP Lab Sink

Notes:

Rep. Analysis EPA MCL Pass/ Result Unit Limit Method Analyzed Notes Analyst Min/Max Fail General Chemistry Alkalinity, Total to pH 4.5 04/28/22 APR 195 2 SM 2320 B mg N/A N/A CaCO3/ L Total Hardness as CaCO3 HRG 339 4.56 CALCULATED 04/28/22 N/A N/A mg/l Phosphorus as P, Total SM 4500-P F 05/03/22 AXM 0.08 mg/l 0.01 N/A N/A 05/03/22 HRG Silica as SiO2 2.14 CALCULATED 20.2 mg/l N/A N/A Conductivity 745 umhos/c 1 SM 2510 B 04/28/22 ALL N/A N/A m Total Metals Calcium 105 mg/l 1 EPA 200.7 Rev 4.4 04/28/22 HRG N/A N/A < 0.02 0.02 EPA 200.7 Rev 4.4 04/27/22 HRG 0.3 PASS Iron mg/l N/A HRG Magnesium 18.6 mg/l 0.5 EPA 200.7 Rev 4.4 04/28/22 N/A N/A MPB Manganese < 0.005 0.005 EPA 200.8 Rev 5.4 04/27/22 0.05 PASS mg/l N/A EPA 200.7 Rev 4.4 05/03/22 HRG Silicon 9.4 mg/l 1.0 N/A N/A

Notes and Definitions

Pass Result less than EPA maximum contaminant level.

Fail Result greater than EPA maximum contaminant level.

Preparation Methods

Specific Method	Preparation Method	Prepared Date	Prepared By
2214597-01			
SM 4500-P F	SM 4500-P B	05/03/2022	SNF



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

This certificate shall not be reproduced except in full without the written approval of M.J. Reider Associates, Inc. NELAP accredited by PA. (PADEP #06-00003) Visit our website to view our current NELAC accreditations for various drinking water, wastewater and solid & chemical materials analytes. Additional accreditations by MD (261), NY(12094)

Certificate of Analysis

Laboratory No.: 2214597 Reported: 05/05/22

Lab Contact: Christina M Kistler

Project: DW-Weekly WWTP Water Lab Sink 7220038

Sampled: 04/26/22 08:50 Received: 04/26/22 14:00 Sample Type: Grab



107 Angelica St, Reading PA, 19611 610-374-5129 www.mjreider.com 4085 WORK ORDER

Chain of Custody



Client: Veolia Middletown

Project: DW-Weekly WWTP Water Lab Sink

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

Collected By : NRI) TANNAN (Full Name)

2214597-01 WWTP Lab Sink

Project Manager: Christina M Kistler

Alk SM 2320B, Ca EPA 200.7, Fe EPA 200.7, Hardness EPA 200.7 CALC, Mg EPA 200.7, Mn EPA 200.8, PO4 SM 4500P-F, Si EPA 200.7, Silica as SiO2 EPA 200.7 CALC, Sp Cond SM 2510B

Comments:

Matrix: Drinking Water Type: Grab A - Pl 500ml NP, minimal hdspc B - Pl 500ml HNO3 C - Pl 500ml H2SO4 Date: $\frac{4-26-22}{0850}$

FRIDGE 0.4 PH 7.6 TEMP 14 TOS 251 Ch2 0.78

CHR35 HANNAN Relinquished By	<u>4-24-22</u> 0852 Date/Time	RIDGE RECEived BR	<u>4-26-22</u> 0852	
Relinquished By	Date/Time	Received By	APR 2 6 2022 10 70	Sample Kit Prepared By: Date/Time
Relinquished By	Date/Time	Received Laboratory By	APR 2 6 2022 1400	Sample Temp (°C): Samples on Ice? (Yes) No NA
The Client, by signing (or having the client's agent sign), to pay for the above requested services including any ad	agrees to MJRA's Terms and Conditions and ditional associated fees incurred.	Page 1 of 1	Printed: 4/19/2022 8:12:05AM	Approved By: Entered By: Benefit Template with Page 2 of 3



File Uploaded Successfully by HANNANJ

6 messages

ra-padwis@state.pa.us <ra-padwis@state.pa.us> To: kodi.webb@veolia.com, james.hannan@suez.com Mon, May 9, 2022 at 10:41 AM

HANNANJ uploaded a file successfully to DWELR.

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

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

ra-padwis@state.pa.us <ra-padwis@state.pa.us> To: kodi.webb@veolia.com, james.hannan@suez.com Mon, May 9, 2022 at 10:42 AM

HANNANJ uploaded a file successfully to DWELR.

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

[Quoted text hidden]

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

Mon, May 9, 2022 at 10:43 AM

HANNANJ uploaded a file successfully to DWELR.

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

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us> To: kodi.webb@veolia.com, james.hannan@suez.com Mon, May 9, 2022 at 10:43 AM

HANNANJ uploaded a file successfully to DWELR.

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

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us> To: kodi.webb@veolia.com, james.hannan@suez.com Mon, May 9, 2022 at 10:44 AM

HANNANJ uploaded a file successfully to DWELR.

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

[Quoted text hidden]

ra-padwis@state.pa.us <ra-padwis@state.pa.us> To: kodi.webb@veolia.com, james.hannan@suez.com Mon, May 9, 2022 at 10:44 AM

https://mail.google.com/mail/u/0/?ik=07af66e128&view=pt&search=all&permthid=thread-f%3A1732360060806002489&simpl=msg-f%3A17323600608... 1/2

HANNANJ uploaded a file successfully to DWELR.

File Name	User	Record ID Range
PA DEP SDWA-1 106 Well No 6 (2).xls	HANNANJ	HANNANJ_151 through HANNANJ_180

[Quoted text hidden]



Data Submitted Successfully by HANNANJ

1 message

ra-padwis@state.pa.us <ra-padwis@state.pa.us> To: kodi.webb@veolia.com, james.hannan@suez.com Mon, May 9, 2022 at 10:46 AM

HANNANJ successfully submitted data to DWELR.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_30	100	043022

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



Data Added Successfully by HANNANJ

1 message

ra-padwis@state.pa.us <ra-padwis@state.pa.us> To: kodi.webb@veolia.com, james.hannan@suez.com Mon, May 9, 2022 at 10:51 AM

HANNANJ successfully added data to DWELR on 05/09/22 at 10:47 AM. Form: SDWA1.

Form Type	User	LabID	PWSID	ContamID	Pre_ID	Loc_Epid	Sample Date
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_181	701	040522
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_182	703	040522
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_183	706	040522
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_184	704	041222
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_185	705	041222
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_186	701	041922
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_187	703	041922
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_188	706	041922
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_189	704	042622
SDWA1	HANNANJ	22604	7220038	1013	HANNANJ_190	705	042622

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



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

1 message

compliance@srbc.net <compliance@srbc.net> To: James.Hannan@veolia.com, kodi.webb@veolia.com, michael.barger@veolia.com Mon, Apr 25, 2022 at 11:47 AM

Thank you for using the SRBC Monitoring Data Website.

SUEZ/Middletown Water System data has been received for the Reporting Period 01/01/2022 - 03/31/2022 for the following:

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

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

MIDDLETOWN MONTHLY REPORT

APPENDIX 3 CUSTOMER SERVICE

MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS

&

HOMESERVE REPORT

	NUMBER#	TOTAL ARREARS	TOTAL CURRENT	TOTAL BALANCE	ACTIVE ACCOUNT RECONCIN	LIATION
ACTIVE ACCOUNTS:	2,705	257,945.14	705,009.67	962,954.81	NEW ACCOUNTS:	24
DISCONNECTED ACCTS:	17	6,712.06	1,824.41	8,536.47	DISCONNECTNO TRF:	17
FINALED ACCOUNTS:	321	13,687.87		13,687.87	DISCONNECT-TRANSFER:	0
INACTIVE ACCOUNTS:	12,266	0.00		0.00		
GRAND TOTALS	15,309	278,345.07	706,834.08	985,179.15		
**CALCULATION SUMMARY	** TO1	TAL CHARGES:	706,834.08			
	DEPOS	SIT RETURNS:	0.00			
	TOT	TAL CURRENT:	706,834.08			

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

							BILLED	UNBILLED	TOTAL
CAT	EGORY	NUMBER	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	CONSUMPTION	CONSUMPTION
S	SEWER	2641	377,188.44	0.00	0.00	0.00	16441,600.0000		16441,600.0000
SR2	SURCHARGE 2	2688	91,105.30	0.00	0.00	0.00			
W	WATER	5338	238,540.34	0.00	0.00	0.00	20815,300.0000		20815,300.0000
	TOTALS		706,834.08	0.00	0.00	0.00			

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

R/C DESCRIPTION	G/L ACCOUNT#	AMOUNT
SERVICES:		
200-WTR MDT	687-145900	74,947.41
203-WTR MDT COMMERCIAL	687-145900	101,982.00
206-CUSTOMER CHARGE	687-145900	10,885.75
207-SERVICE CHG / METER	687-145900	42,857.03
210-WTR ROYAL	687-145900	7,817.00
220-WTR L SWT	687-145900	51.15
230-SURCHARGE WATER/SEWER	687-145900	0.00
231-SURCHARGE WATER/SEWER	687-145900	91,105.30
300-SWR MDT	687-145800	320,436.23
306-SW CUST CHARGE	687-145800	56,752.21
310-SWR ROYAL	687-145800	0.00
320-SWR L SWT	687-145800	0.00
R/C TOTALS		706,834.08

1

CA	r code	TBL	DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
S	300 300		SEWER -LWR SW TWP SEWER -ROYALTON	LST RB	1	0.00	0.00	0.00	0.00		
S			SEWER	SW	2639	377,188.44	0.00	0.00		16,441,600.0000	802
SR	230	SR2	SURCHARGE WATER/SEWE	SR2	0	0.00	0.00	0.00	0.00		

CAT	CODE	TBL	DESCRIPTION	SCHED	NO#	TOTAL NET	FUEL-ADJ	TOTAL TAX	TAXABLE	CONSUMPTION	MLT.
SR2	231	SR2	SURCHARGE WATER/SEWE	SR2	2688	91,105.30	0.00	0.00	0.00		
W	200	C10	COMM 1" MTR	C10	35	4,086.06	0.00	0.00	0.00	362,800.0000	
W	200	C15	COMM 1 1/2" MTR	C15	9	5,919.11	0.00	0.00	0.00	620,500.0000	
W	200	C20	COMM 2" MTR	C20	21	18,393.52	0.00	0.00	0.00	1,943,600.0000	
W	200	C30	COMM 3" MTR	C30	5	7,284.95	0.00	0.00	0.00	776,000.0000	
W	200	C40	COMM 4" MTR	C40	2	284.50	0.00	0.00	0.00	23,500.0000	
W	200	C58	COMM 5/8" MTR	C58	8	462.56	0.00	0.00	0.00	33,000.0000	
W	200	C60	COMM 6" MTR	C60	13	60,483.95	0.00	0.00	0.00	6,511,900.0000	
W	200	C75	COMM 3/4" MTR	C75	2	223.82	0.00	0.00	0.00	19,900.0000	
W	200	C80	COMM 8" MTR	C80	4	7,503.88	0.00	0.00	0.00	793,800.0000	
W	200	COM	COMPOUND WATER N/C	COM	14	0.00	0.00	0.00	0.00		
W	200	LS8	LOWER SWAT 8" MTR	LS8	1	51.15	0.00	0.00	0.00	100.0000	
W	200	NCW	NO CHG	NCW	27	0.00	0.00	000	0.00	48,600.0000	
W	200	R10	RESID 1" MTR	R10	6	251.56	0.00	0.00	0.00	13,400.0000	
W	200	R58	RESID - 5/8'" MTR	R58	2560	122,101.93	0.00	0.00	0.00	7,744,900.0000	
¥	200	R60	RESID 6" MTR	R60	1	3,208.07	0.00	0.00	0.00	343,900.0000	
W	200	R75	RESID 3/4" MTR	R75	3	338.03	0.00	0.00	0.00	30,100.0000	
W	200	RB6	ROYALTON BOR 6" MTR	RB6	2	7,817.00	0.00	0.00	0.00	1,549,300.0000	
W	210	AlV	FLAT RATE WATER -VAR	AlV	2	130.25	0.00	0.00	0.00		
W	220	MC	WATER METER CHARGE -	MC	2623	0.00	0.00	0.00	0.00		
			TOTALS			706,834.08	0.00	0.00	0.00		

====== METER GROUP TOTALS ======

CODE W	DESCRIPTION WATER		BILLED SUMPTION C 5,300.0000	UNBILLED ONSUMFTION 0.000	TOTAL CONSUMPTION 20,815,300.0000	DEMAND CONSUMPTION
		REFUNDED	DEPOSIT	TOTALS ====	=	
	CODE	DESCRIPTION	NUMBER	AMOUNT		

DEPOSIT TOTALS 0 0.00

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

SERV CATG	NUMBER BILLED	BILL CONS	TOTAL CONS	DEMAND CONS	TAX AMOUNT	BILL
S	2,642	16,441,600	16,441,600		\$	377,188.44
SR	2,667	0	0			
SR2	2,689	0	0		Ş	91,105.30
W	5,340	20,815,300	20,815,300		\$	238,540.34

MONTHLY TRANSACTION REPORT

PAGE: 24

22

30

0.00

TYPE	DAY	COUNT	AMOUNT		
ADJUSTMENT	04	2	74.99CR		
110000111	08	2	5,580.00		
	12	1	0.00		
	25	2	8.17CR		
	26	3	120.00		
	27	15	24.09CR		
	28	154	63.52CR		
	29	4	76.36		
		ADJUSTMENT TOTAL	5,605.59		
BILL	07	2	18.35CR		
	12	- 8	135.25CR	N. Contraction of the second sec	
	19	3	350.76		
	20	3	645.23		
	21	1	41.25		
	25	4	32.79		the led all all all
	27	35	608.27CR	I D'Come ad lala	+ N DILLED - OTHER LEVEN
	2.8	2,708	706,525.92	Difference - au Total	
		BILL TOTAL	706,834.08	1511 1119 7	+ \$ Dilled - Other Reven
APPLIED DEPOSIT	07	1	0.00	י אייידייג	-1
WILLING DIGOIL	20	1	0.00		
	21	1	0.00		
	25	2	0.00		
	28	1	0.00		
		APPLIED TOTAL	0.00	/	
LATE CHARGE	28	449	5,543.70		
		LATE TOTAL	5,543.70		
MEMO	04	31	0.00		
	05	8	0.00		
	06	3	0.00		
	07	23	0.00		
	08	17	0.00		
	11	12	0.00		
	12	17	0.00		
	13	2	0.00		
	14	3	0.00		
	18	21	0.00		
	19	24	0.00		
	20	7	0.00		
	21	6	0.00		

MONTHLY TRANSACTION REPORT

_____ DISTRIBUTION _____

PAGE: 25

05-02-2022 09:26 AM PERIOD: 4/01/2022 THRU 4/30/2022 ZONE: * - All Zones REVENUE CODE: All ADJUSTMENT CODES:

TYPE	DAY	COUNT	AMOUNT	
	28	1	0.00	
		MEMO TOTAL	0.00	
PAYMENT	04	78	44,778.14CR	
	05	49	9,916.18CR	
	06	96	13,031.93CR	
	07	166	63,444.71CR	
	08	66	19,611.26CR	
	11	421	94,233.16CR	
	12	73	14,045.64CR	
	13	76	13,478.53CR	
	14	126	151,395.35CR	
	18	381	95,944.16CR	
	19	96	19,125.25CR	
	20	129	42,884.97CR	
	21	52	17,723.34CR	
	22	59	10,846.90CR	
	25	25	3,329.41CR	
	26	23	3,571.43CR	
	27	47	19,505.96CR	
	28	27	4,502.75CR	
	29	33	50,961.11CR	
		PAYMENT TOTAL	692,330.18CR	
REFUND CHECK	26	1	458.64	
	28	3	15,877.24	
		REFUND TOTAL	16,335.88	
DRAFT	18	329	48,806.65CR	Total Collected = \$ 762, 199.6
	21	27	21,062,84CR	/ ISTALL LOLPETEU - ID ICZ, 191, C
		DRAFT TOTAL	69,869.49CR	
REVERSE-PAY	04	2	28,339.79	
	13	1	192.87	
	21	1	110.35	
		REVERSE PAY TOTAL	28,643.01	
	GRA	ND TOTAL FOR PERIOD	762.59	

ACCOUNT AGING REPORT

PAGE:

64

==== REVENUE CODE TOTALS ====

REVENUE CODE:	CURRENT +	1 MONTHS	+2 MONTHS	+3 MONTHS	+4 MONTHS	BALANCE
081-NSF CK FEE	20.00	18.99	14.32	3.70	2.99	60.00
200-WTR MDT	74646.27	12529.67	7429.35	3275.86	8315.49	106196.64
201-WATER TURN ON	0.00	25.48	28.21	7.62	18.69	80.00
203-WTR MDT COMMERCIAL	99930.10	6683.69	5361.00	746.90	587.56	113309.25
206-CUSTOMER CHARGE	10622.72	1895.77	857.48	421.15	2677.23	16474.35
207-SERVICE CHG / METER	41722.59	7459.70	3362.66	1632.89	10417.86	64595.70
210-WTR ROYAL	7817.00	0.00	0.00	0.00	0.00	7817.00
220-WTR L SWT	51.15	0.00	0.00	0.00	0.00	51.15
230-SURCHARGE WATER/SEWER	16.28	25.76	27.79	25.55	1782.35	1877.73
231-SURCHARGE WATER/SEWER	88409.30	6521.61	4223.75	592.08	1146.60	100893.34
275-WIR PEN	174.48CR	1723.79	677.12	234.69	725.69	3186.81
300-SWR MDT	318260.36	41974.87	26378.32	8552.30	18692.25	413858.10
306-SW CUST CHARGE	55361.31	10119.10	4631.87	2372.61	25534.42	98019,31
375-SWR PEN	244.86CR	2873.82	1107.21	374.33	1783.73	5894.23
996-UNAPPLIED	11936.78CR	0.00	0.00	0.00	0.00	11936.78C
999-REFUND	1261.53CR	0.00	0.00	0.00	0.00	1261.530
TOTALS	683239.43	91852.25	54099.08	18239.68	71684.86	919115.30

TOTAL ACCOUNT BALANCE: DIFFERENCE: 919,115.30 0.00

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

*** TOTAL METERS IN SERVICE 2727 *** TOTAL METERS IN INVENTORY 688

5/25/2022 9:54 AM

SERVICE ORDER STATISTICS REPORT

PAGE: 5

			ISSUED	THIS PERIO	D		PRIOR ORD	ERS	TOTAL	TOTAL
ACTI	ON	ISSUED	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	VOIDED	OUTSTANDING	COMPLETED	OUTSTANDING
a	CONNECT			0	•				100000 (200) (2000 (200) (2000 (200) (2000 (200) (2000 (200) (2000 (200) (2000 (200) (2000 (200) (2000 (200) (2000 (200) (2000 (2000 (200) (2000 (2000 (2000 (2000 (2000 (200) (2000 (200) (2000 (200) (2000 (200)	
C D		4	4	0	U	131	4	0	135	0
D	DISCONNECT	0	0	0	0	45	3	0	45	0
F	CUTOFF	0	0	0	0	3	3	0	3	0
I	METER INFO	21	21	0	0	3,025	77	0	3,046	0
М	METER CHANGE	6	6	0	0	605	6	0	611	0
0	OCC CHANGE	15	15	0	0	1,258	2	0	1,273	0
R	REINSTATE	0	0	0	0	2	2	0	2	0
S	SERV CHANGE	0	0	0	0	33	0	0	33	0
X	MISC	б	6	0	0	765	23	0	771	0
*	* GRAND TOTALS **	52	52	0	0	5,867	120	0	5,919	0

IDLE METER REPORT

**** REPORT TOTALS ****

Book	Services	Addresses
02 - BOOK 02	2	1
04 - BOOK 04	3	0
08 - BOOK 08	6	4
09 - BOOK 09	1	0
12 - BOOK 12	5	3
13 - BOOK 13	1	1
15 - BOOK 15	2	0
16 - BOOK 16	3	0
18 - BOOK 18	2	0
20 - воок 20	1	1
21 - BOOK 21	3	2
28 - BOOK 28	1	1
29 - BOOK 29	1	1
30 - BOOK 30	1	0
32 - BOOK 32	1	1
Grand Totals	33	15

and the second second	and some of	10010		and in the second		and provide the	and the second	C+1.51		SUEZ MID		RVICE CA	166.2	1.1.1	1000		PUBLICE	-		Contrained	And Annual Street of Stree			and the second s
and the second se	How Co	ntact Was R	Inclana	A PROPERTY OF	A COLUMN	141)	COLUMNS IN	Contraction of the local division of the loc	1 - Carlos	and the second se	ier Service I	and the second second second	C-ROWING	1270 B.	21	18782 Barry 1	1	128-392-90	R. Street	Elald	Service Reg	and the second se	Field	d Request Info
<u>Date</u>	Call direct to Middletown CS	Customer Consponda nce (Lettern/Em alls)	TOTALS	Calls for Other Ops	Calls from City / Other Org	AppleTree Hold Call	General Acct. Info	Capy Of Bill	Correct. Bills	Bill Inquiry	Rates	Payment	Collection Letter	New Account	Finals	Meter Reading/Re- Reads	Service Complaints	C.S. Thank Yous	Sewer Back up or SSO	Water Leaks	Broke, Froze, Leaking Meter	No Water/Low Pressure	Water Quality	
April 4th, 2022	68	7	75	3			2			. 8		45	6	1	3					_				
April 5th, 2022	54	6	60	1			1			6		43	3											
April 6th, 2022	37	3	40	2						7		22	4		2								-	
April 7th, 2022	41	2	43	1						9		31												
April 8th, 2021	60	1	61	3	1		1			8		36	10											
April 11th, 2022	57	2	59	2			3			8		35	5	2	2									
April 12th, 2022	45	1	46	2			1	1		12		27				2								1
April 13th, 2022	28	3	31		î					4		21	3											
April 14th ,2022	24	1	25	3			1		L.	5		15		1							e e			
April 18th, 2022	114	1	115	1			2		-	15		96	[]			X.								
April 19th, 2022	51	4	55	3						7		39		1	1									
April 20th, 2022	49	3	52	2						11		32		[]	4									
April 21st, 2022	45	2	47				4	2		14		21		2	2									
April 22nd, 2022	33	1	34	1						8		24												
April 25rd, 2022	43	2	45	1						9		24	3	2	4									
April 26th, 2022	37	4	41	1			3			10		10	6	2	5									
April 27th, 2022	24	1	25	1					- 1	8		10	5											
April 28th, 2022	26	3	29	1						5		14	4	1	1									
April 29th, 2022	30	2	32	1						13		10	3	1	2				-	-				
LS.	696	49	916	29	0	0	18	3	0	107	4	667	52	12	20	2	0	0			0	0		

The second se		The second second	Number of 10 Day Notices			
	Bill Due Date	Date 10 Day Notice Issued	issued for Balances over \$50.00	Date 3 Day Notices Posted	Number of 3 Day Notices for Balances over \$100.00	Shut offs
January Bill Cycle	2/15/2022	2/17/2022	247	2/15/2022	81	NO SHUT OFF DUE TO WEATHER
February Bill Cycle	3/16/2022	3/21/2022	224	3/11/2022	53	4 Shut offs (3 Occupied, 1 Vacant 3 Properties turned back on
March Bill Cycle	4/18/2022	4/22/2022	193	4/7/2022	57	NO SHUT OFFS
April Bill Cycle						
May Bill Cycle						
June Bill Cycle						
July Bill Cycle						
August Bill Cycle						
September Bill Cycle						
October Bill Cycle						
November Bill Cycle						
December Bill Cycle	- the second second			1.1.1.1.1.43		

Partner Reporting Dashboard

Back to Partner Select Page

SUEZ (Middletown)

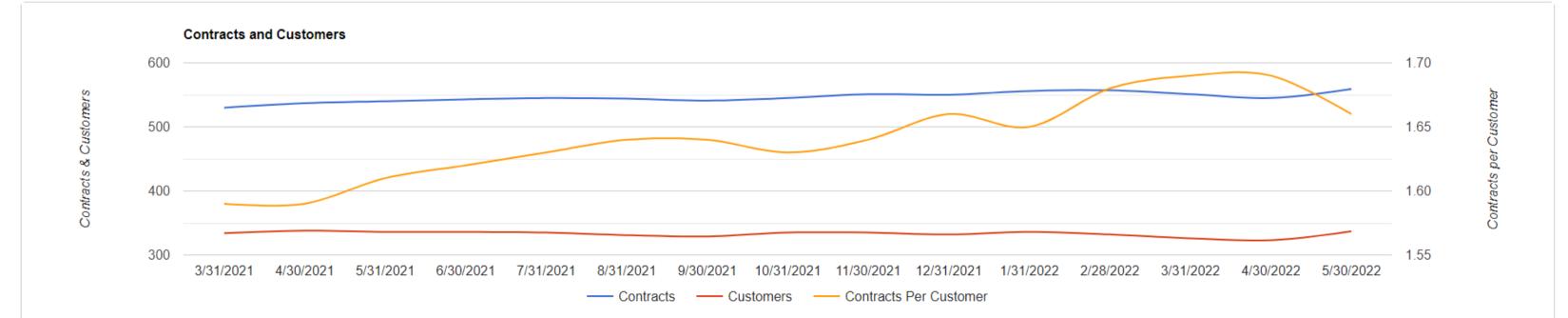
Date Start

2021-03-31	

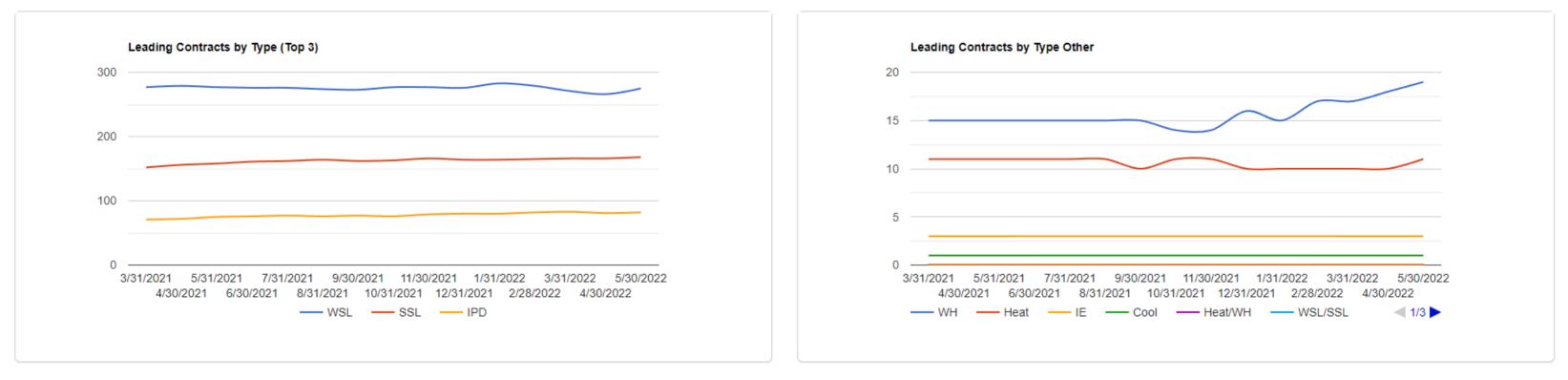
Date End

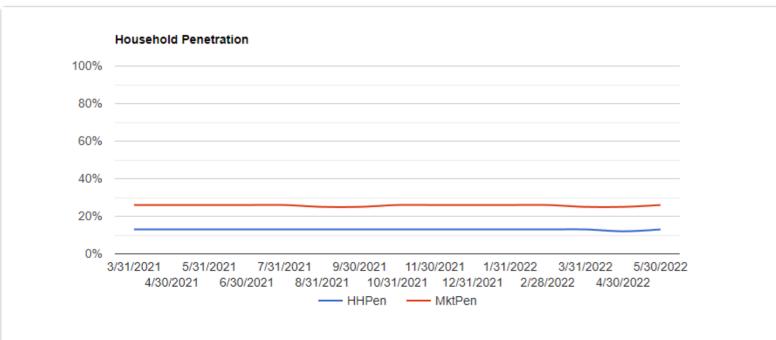
2022-05-31

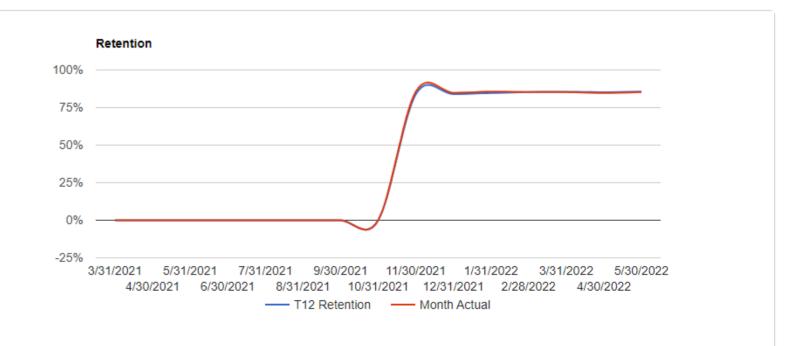
Filter

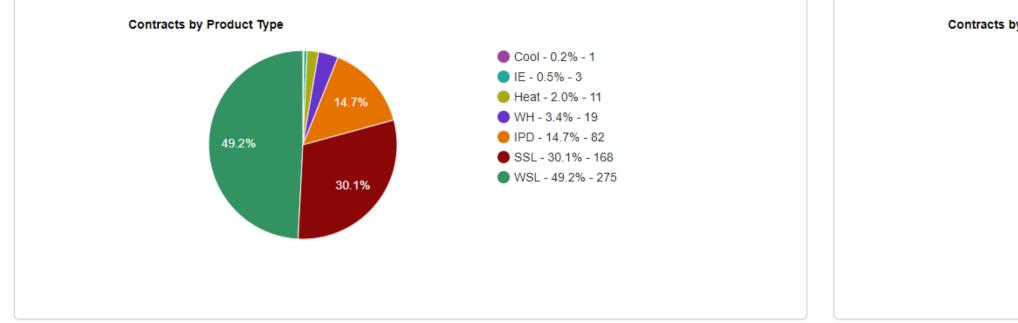


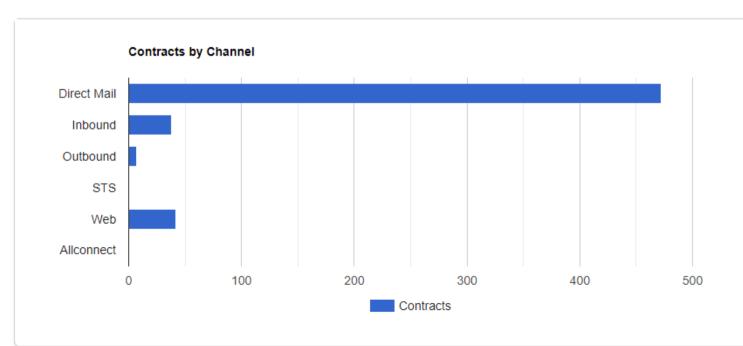




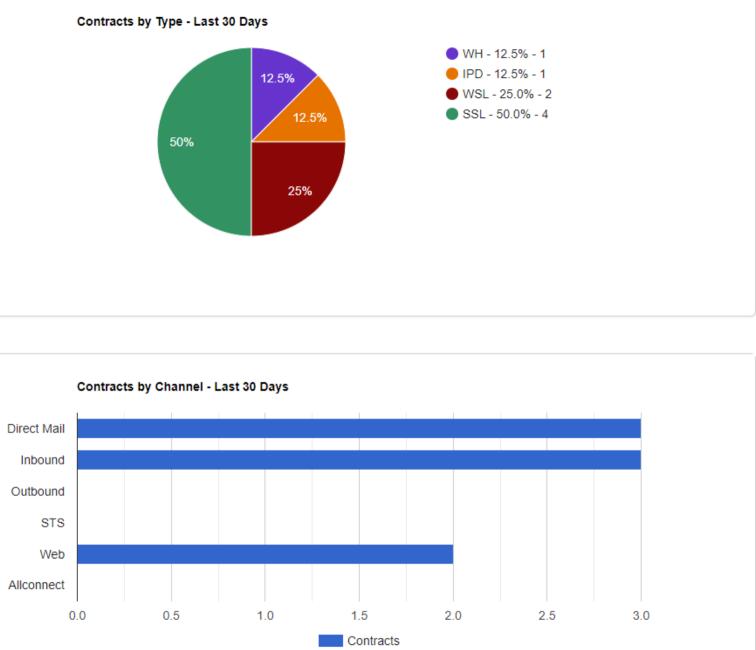




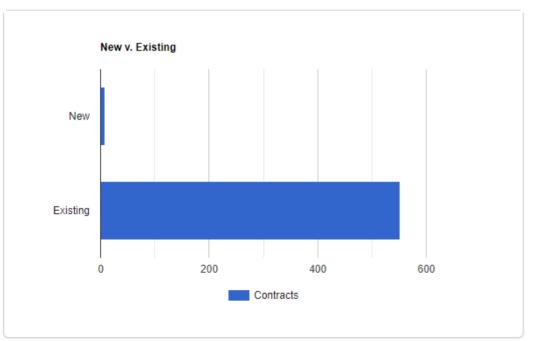


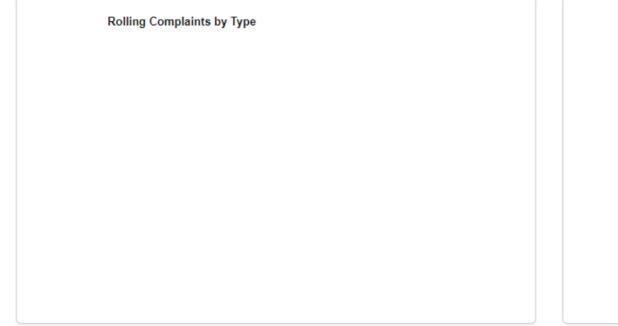


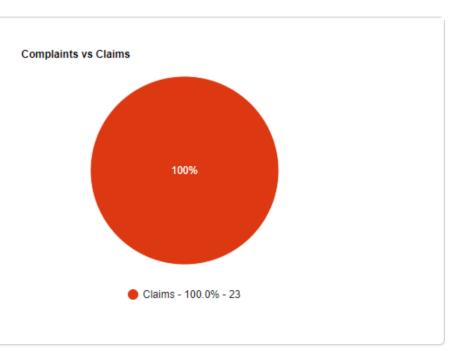


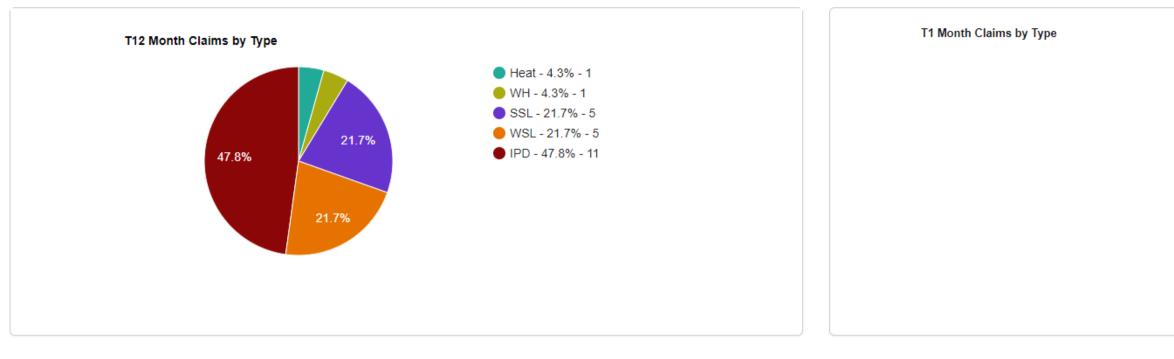


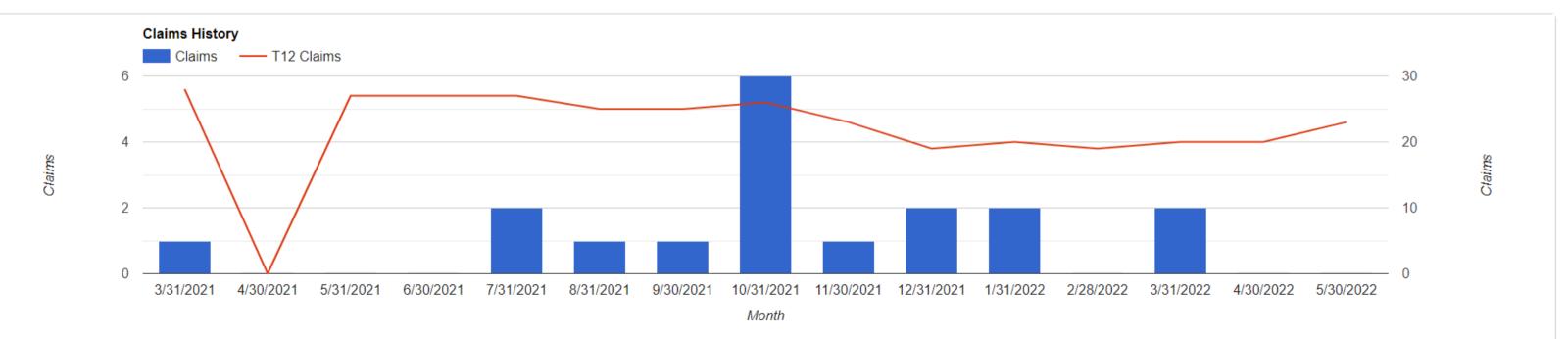


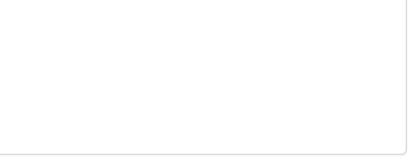












MIDDLETOWN MONTHLY REPORT

APPENDIX 5

QUARTERLY METER TEST AND CALIBRATION REPORTS

Tri-Star Inc.

300 Vine Street Middletown, PA 17057 US dawn@tri-star-inc.net tri-star-inc.net

Packing Slip

BILL TO SUEZ WATER/ MIDDLETOWN-AI SUEZ WATER/ MIDDLETOWN 453 S. LAWRENCE STREET MIDDLETOWN, PA 17057	P		INVOICE DATE	1019 04/22/2022	
ATTN CHRIS HANNON	REFERENCE VERBAL				
DATE	SERVICE	DESCRIPTION	14 × 14		QTY
04/08/2022	Preventive Services	FOR THE QUARTER SERVICE VISIT FOR 04/08/22. COPY OF F	Q2 ON 04/07 &	ED.	1

INVOICE NO:	Instrumentation = Control = SCADA 1019 ORDER NO: VERBAL ES: RS: 12
CONTRACT NO:	JOB NO:
CUSTOMER:	SUEZ/MIDDLETOWN WATER & SEWER Mileage: 60
REPRESENTATIVE:	STEVE SUMMY
DATE:	Q2- 04/07 & 04/08/22
LISTED ON ATTACH	TITLE: QUARTERLY PREVENTIVE SERVICE DLLOWING QUARTERLY PREVENTIVE & CALIBRATION SERVICE ON EQUIPMENT ED "LIST OF COVERED EQUIPMENT" CHECKLISTS. ALL HAVE BEEN INSPECTED & QUIRED. SEE BELOW FOR NOTES IN REFERENCE TO NOTE #'S ON CHECKLIST.
REPORT FOR THE FO LISTED ON ATTACHI CALIBRATED AS REC NOTE #: CC #1- ZEROED METER. #2-SERVICE DUE NE #3- WELL IS TEMPOOI #4- LEVEL INTERMIT #5-INACCURATE RE	DLLOWING QUARTERLY PREVENTIVE & CALIBRATION SERVICE ON EQUIPMENT ED "LIST OF COVERED EQUIPMENT" CHECKLISTS. ALL HAVE BEEN INSPECTED &

3
N.
1
8
Ŷ.
4
Ő.
Ť.
Ϋ́
Πī.
1
1
<
_
Z
5
>
100
2

TRI-STAR, INC.

MIDDLETOWN WATER AND SEWER LIST OF COVERED EQUIPMENT DATE - APRIL Q2 VISIT

LEGEND:

X = CHECKED OK # = REF. SERVICE REPORT

CHECKED BY STEVE SUMMY SERVICE TECH AUDIT DAWN BAUMBACH

		QUARTERLY					10	DATE -04/21/22
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		
×		LEVEL- 215' (93.11PSI)	ENDRESS & HAUSER S600B115128	S600B115128	PMC51	SCALER 215'		
×		RTU PANEL						
		WELL # 2						
#1		FLOW	ROSEMOUNT	1638038	1151 SMART	0-350 GPM (0-72.38")		
×		LEVEL- 308' (133.4 PSI)	ENDRESS & HAUSER 92000615020	92000615020	PMC41-RC11P6A21N1	SCALER 346		
×		RTU PANEL						
		WELL #1&2 CHEM BLDG						
#2		CL2 ANALYZER	НАСН	182070018902	CL17			
		WELL#3						
#1		FLOW	TOSHIBA	17820A358	LF620F/GF6300	0-100 GPM		
×		LEVEL- 304' (131.7PSI)	ENDRESS & HAUSER 9200515020	92000515020	PMC41-RC11P6A21N1	SCALER 346'		
×		RTU PANEL						
		WELL # 4						
#3		FLOW	TOSHIBA	17620A177	LF620/GF630	0-200 GPM 4" MAG		
#3		LEVEL- 400' (173.2 PSI)	ROSEMOUNT	0326Y10	2088	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		
×		LEVEL- 290'	DREXELBROOK	54378	408-6332-1	SCALER 300'		
×		RTU PANEL						

\sim
22
ġ
7
8
²
Ш
F
3
\geq
ξ
\leq
Б
ž
_

TRI-STAR, INC.

REV. 10 10/21

MIDDLETOWN WATER AND SEWER LIST OF COVERED EQUIPMENT DATE APRIL Q2 VISIT QUARTERLY

LEGEND:

X = CHECKED OK # = REF. SERVICE REPORT

CHECKED BY STEVE SUMMY

1 L L	0001	1 00	I OCATION	CLN					
11 #		#	LUCATION	MFG.	SERIAL NO.	MODEL NO.	RANGE	MFG./CAL. PROC. #	ACCURACY
			WELL # 6						
×			FLOW	PRECISION DGTL	2006-0336315	PD6000-6R0	0-1500 GPM (4/20)		
#4			LEVEL- 220'	SIGMA			0-220'		
×			LEVEL INDICATOR	PRECISION DGTL	0912-0002082	PD6000-6R3	0-220' OUTPUT 0-220'		
			WELL #6 TREATMENT						
×			FLOW (WELL)	SENSUS	1104A-S-66123D	ACTPAK	0-1600 GPM		
#1			FLOW (FINISHED WATER) TOSHIBA	TOSHIBA	20620A389	LF620F/GF6300	0-1000 GPM		
×			SUMP LEVEL	DREXELBROOK	28223	408-8200	SCALER 480"		
×			RTU PANEL						
			BOOSTED BIIMD STA						
,			FI OWER TOWE OF A.						
×			FLOW	ROSEMOUNT	1638037	1151 SMART	0-400 GPM (0-27.86")		
×			RTU PANEL						
			HIGH ST. TANK						
×			LEVEL	ROSEMOUNT		1151			
×			RTU PANEL						
			UNION STAND PIPE						
×			LEVEL	ROSEMOUNT	1655785	1151 SMART	5'-105' (4/20)		
×			RTU PANEL						
×			WWTP OFFICE	MAIN SCADA					



CERTIFICATE OF CALIBRATION

TO SUEZ-MIDDLETOWN WATER

453 S. LAWRENCE STREET

MIDDLETOWN, PA 1705

 Reference to TRI-STAR Job number
 SERVICE REPORT DATED 04/07 & 04/08/22 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, TPI M/N 635 S/N 1271024000

is traceable to the National Institute Standards Technology

Certified by PRECISE TECHNICAL SOLUTIONS, LLC

Report No. 209567, 209642 Date 02/21/22 & 02/22/22

Code Ref: NONE

Next Certificate of Calibration due: JULY 31, 2022

	Approved for TRI-STAR Inc.
	by Steve Summy
CTAR A	title SERVICE TECH
- (date _April 22, 2022
S (. (SEAL) * 3	Steve Summy 10B
A REPT R	Authorized Signature
Star.	



Customer Name: TRI-STAR, INC 300 VINE STREET

MIDDLETOWN, PA 17057

Calibration Certificate

Calibration Certificate No.: 209642

Instrument ID: 1271024000-1634

Manufacturer:	TPI	Procedure:	QI-101
Model Number:	635	Calibration Location:	IN HOUSE
Serial Number:	1271024000	Received Condition:	IN TOLERANCE
Description:	MANOMETER	Returned Condition:	IN TOLERANCE
Department:	MAIN (1634)	Interval:	12 MONTHS
Location:	N/A	Date Received:	18-Feb-22
Temperature:	68.7 °F	Date Calibrated:	22-Feb-22
Humidity:	45 %	Date Due:	22-Feb-23
Accuracy:	SEE CALIBRATION DATA SHEET	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 STATUSED WILLIAM THE REPORT TO ME AN AVAILABLE PROPERTY AND A DESCRIPTION OF A DESCRIPTION OF A DESCRIPTION OF A 2/24/22 Manhaut None. **Reference Standards Traceability No. Reference Standard** Manufacturer Cal. Due Date Model PTS-412 FLUKE 6270A 204462 30-Nov-23



1

Calibration Certificate

Calibration Certificate No.: 209642

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: 1271024000-1634

Calibration Data

Description	Standard	<u>Units</u>	Tolerance -	Tolerance +	As Found	<u>P/F</u>	As Left	<u>P/F</u>	Deviation
Pressure	5.000	inAq	4.900	5.100	4.95	Р	4.95	Р	-0.050
	10.000	inAq	9.900	10.100	9.95	Ρ	9.95	Р	-0.050
	15.000	inAq	14.900	15.100	14.94	Р	14.94	Р	-0.060
	20.000	inAq	19.900	20.100	19.93	Р	19.93	Р	-0.070

Approved By:

Josh Skoczynski CALIBRATION TECHNICIAN

22-Feb-22

10:33 AM

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

.



Customer Name: TRI-STAR, INC **300 VINE STREET**

MIDDLETOWN, PA 17057

Manufacturer:

Model Number:

Serial Number:

Description:

Department:

Temperature: Humidity:

Location:

Accuracy:

Calibration Certificate

Calibration Certificate No.: 209567

Instrument ID: 60110A-3-1-1634

	THERMO ELECTRIC	Procedure:	OI-114
	311800001	Calibration Location:	IN HOUSE
•	60110A3-1	Received Condition:	IN TOLERANCE
			IN TOLERANCE
	THERMOCOUPLE CALIBRATOR	Returned Condition:	
	MAIN (1634)	Interval:	12 MONTHS
	N/A	Date Received:	18-Feb-22
	68.7 °F	Date Calibrated:	21-Feb-22
	45 %	Date Due:	21-Feb-23
	SEE CALIBRATION DATA SHEET	Technician:	JSKOCZYNSKI
	SEE CALIBRATION DATA SHEET	i cemineran.	5513002/1115131

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 2124122 Bunleach None.

Reference Standard PTS-314 PTS-380

Manufacturer HEWLETT PACKARD FLUKE

Reference Standards

Model 3458A 5520A / 600 MHZ **Traceability No.** 201600007421 270899

Cal. Due Date 31-Jan-23 31-Mar-22



Calibration Certificate No.: 209567

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

Calibration Data

Description	Standard	<u>Units</u>	Tolerance -	Tolerance +	As Found	<u>P/F</u>	As Left	<u>P/F</u>	Deviation
Thermocouple input 1 K-type	50.000	°C	49.500	50.500	50.1	Р	50.1	Р	0.100
	100.000	°C	99.500	100.500	99.7	P	99.7	Р	-0.300
	150.000	°C	149.500	150.500	149.8	Р	149.8	Р	-0.200
	200.000	°C	199.500	200.500	199.8	Р	199.8	Р	-0.200
Thermocouple input 2 K-type	50.000	°C	49.500	50.500	49.6	Р	49.6	Р	-0.400
	100.000	°C	99.500	100.500	99.6	Р	99.6	Р	-0.400
	150.000	°C	149.500	150.500	149.6	Р	149.6	Р	-0.400
	200.000	°C	199.500	200.500	199.5	Р	199.5	Р	-0.500
D.C Voltage input	2.000	V	1.500	2.500	2.00	Р	2.00	Р	0.000
	4.000	V	3.500	4.500	4.00	Р	4.00	Р	0.000
	6.000	V	5.500	6.500	6.00	Р	6.00	Р	0.000
	8.000	v	7.500	8.500	8.00	Ρ	8.00	Р	0.000
	10.000	V	9.500	10.500	10.00	Р	10.00	Р	0.000
D.C mA input	10.000	mA	9.200	10.800	10.02	Р	10.02	Р	0.020
	20.000	mA	19.200	20.800	20.03	Р	20.03	Р	0.030
	30.000	mA	29.200	30.800	30.04	Р	30.04	Р	0.040
	40.000	mA	39.200	40.800	40.06	Р	40.06	Р	0.060
	50.000	mA	49.200	50.800	50.07	Р	50.07	Р	0.070
3 Wire RTD input	10.000	°C	9.600	10.400	10.00	Р	10.00	Р	0.000
	50.000	°C	49.600	50.400	50.00	Р	50.00	Р	0.000
	100.000	°C	99.600	100.400	99.90	Р	99.90	Р	-0.100
4 Wire RTD input	10.000	°C	9.600	10.400	9.90	Р	9.90	Р	-0.100
	50.000	°C	49.600	50.400	50.40	Р	50.40	Р	0.400
	100.000	°C	99.600	100.400	100.00	Р	100.00	Р	0.000
RTD output module 0°C@100Ohm	s 100.000	Ohms	99.900	100.100	100.00	Р	100.00	Р	0.000
51.565°C @ 1200hms	120.000	Ohms	119.900	120.100	120.02	Р	120.02	Р	0.020
103.943°C @ 1400hms	140.000	Ohms	139.900	140.100	139.99	Р	139.99	Р	-0.010



Customer Name: TRI-STAR, INC 300 VINE STREET

MIDDLETOWN, PA 17057

Calibration Certificate

Calibration Certificate No.: 209567

Instrument ID: 60110A-3-1-1634

Approved By:

Josh Skoczynski CALIBRATION TECHNICIAN

21-Feb-22

2:23 PM

4 24 + 4 - A - and -

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

	1		TESTED AGAINST	SHOP STANDARD
Q, 1	Mel	2/25/22	D. Baralant	\$ 25 22
	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

THERMOELECTRIC ULTRAMITE

SEE REVERSE SIDE OF SHEET SEE REVERSE SIDE OF SHEET SEE REVERSE SIDE OF SHEET SEE REVERSE SIDE OF SHEET

	_			-								-				
COMMENTS	1 PULAPICES	-	11	t _r	14	ľ	-	4	11	И	11	.1	1924	11	۰,	11
CHECKED BY	Sheve Summy WITH NU CARLON	10	41	1,	rı I	1,1	-1	11			-		2	11	11	11
DEV.	0	Õ	ο	0	0	0	0	Q	ø	0	D	0	Q	0	0	D
TP #5	800	2000		40	с S	4	40	6	200	4-50	හ හ	2000	3650	00/	n	20
DEV.	0	0	0	Q	0	0	0	Q	0	0	৩	0	0	Q	0	0
TP #4	400	1500	ß	30	64	7	20	7	os/	400	60-4	1500	2700	25	5	16
DEV.	0	Ο	0	0	ი	ଦ	S	Ø	0	0	0	0	0	0	0	Ø
TP #3	200	000/	0	2	30	6	20	Ь	100	350	200	000/	2450	0	м	12
DEV.	0	0	0	0	0	0	0	0	Q	U	0	0	Ø	0	ð	0
TP #2	ß	Sac	25	4	01	-	6	1	23	300	S	500	1000	-50	1	9
DEV.	0	9	0	С	С	0	Q	0	0	0	Ó	Ó	\$	0	0	0
TP #1	θ	ß	-100	0	0	0	0	0	Ø	250	Q	23	100	-/00	0	4
RANGE	-	¥	F	MV IN	50V IN	10V IN	MV OUT	ν ουτ	RTD	RTD	_	¥	s	⊢	ν ουτ	MA OUT
METER	۷	۷	۷	ß	ß	ß	ß	ß	υ	U	U	υ	U	U	٥	٥

MTMC-1

REV: 8 05/21

MDTWN WATER-04-08-22

TRI-STAR, INC.

REV 10 10/21

MIDDLETOWN WATER AND SEWER LIST OF COVERED EQUIPMENT DATE APRIL Q2 VISIT QUARTERLY

LEGEND:

X = CHECKED OK # = REF. SERVICE REPORT

CHECKED BY STEVE SUMMY

-	 -	-	_		-		_	-	-	-	~	 	_	-	-	-	 -	-	-	-	-	-	-	T	T	T	_	_
ACCURACY																												
MFG./CAL. PROC. #				:H WEIR				NOTCH WEIR																				
RANGE				1585.2 GPM, 90° V-NOTCH WEIR		0-3750 GPM		12382 GPM, CUSTOMV-NOTCH WEIR																				
MODEL NO.				FMU90		DR45A2		FMU90																				
SERIAL NO.				L90068150E6	- 1	0419Y463013300001																						
MFG.				ENDRESS & HAUSER L90068150E6		HONEWVELL		ENDRESS & HAUSER D8005C150E6																				
LOCATION		WWTP		PLANT EFFLUENT		EFFLUENT RECORDER		PLANT INFLUENT																				
CO. #																												
t ISO																											_	
NOTE # ISO CO. #				×		×		#2																				



CERTIFICATE OF CALIBRATION

TO SUEZ-MIDDLETOWN WATER

453 S. LAWRENCE STREET

MIDDLETOWN, PA 1705

Reference to TRI-STAR Job number SERVICE REPORT DATED 04/07 & 04/08/22 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. 209567 Date 02/21/2022

Code Ref: NONE

Next Certificate of Calibration due: <u>JULY 31, 2022</u>

Approved for TRI-STAR Inc.

by Steve Summy

title SERVICE TECH

date April 22, 2022

Steve Summ Authorized Signature



Customer Name: TRI-STAR, INC 300 VINE STREET

MIDDLETOWN, PA 17057

Calibration Certificate

Calibration Certificate No.: 209567

Instrument ID: 60110A-3-1-1634

Manufacturer:	THERMO ELECTRIC	Procedure:	QI-114
Model Number:	311800001	Calibration Location:	IN HOUSE
Serial Number:	60110A3-1	Received Condition:	IN TOLERANCE
Description:	THERMOCOUPLE CALIBRATOR	Returned Condition:	IN TOLERANCE
Department:	MAIN (1634)	Interval:	12 MONTHS
Location:	N/A	Date Received:	18-Feb-22
Temperature:	68.7 °F	Date Calibrated:	21-Feb-22
Humidity:	45 %	Date Due:	21-Feb-23
Accuracy:	SEE CALIBRATION DATA SHEET	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.

None. None.

Reference Standard PTS-314 PTS-380 **Manufacturer** HEWLETT PACKARD FLUKE

Reference Standards

Model 3458A 5520A / 600 MHZ **Traceability No.** 201600007421 270899 Cal. Due Date 31-Jan-23 31-Mar-22



Calibration Certificate No.: 209567

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

Calibration Data

Description	Standard	<u>Units</u>	Tolerance -	Tolerance +	As Found	<u>P/F</u>	As Left	<u>P/F</u>	Deviation
Thermocouple input 1 K-type	50.000	°C	49.500	50.500	50.1	Р	50.1	Р	0.100
	100.000	°C	99.500	100.500	99.7	Р	99.7	Р	-0.300
	150.000	°C	149.500	150.500	149.8	Р	149.8	Р	-0.200
	200.000	°C	199.500	200.500	199.8	Р	199.8	Р	-0.200
Thermocouple input 2 K-type	50.000	°C	49.500	50.500	49.6	Р	49.6	Р	-0.400
	100.000	°C	99.500	100.500	99.6	Р	99.6	Р	-0.400
	150.000	°C	149.500	150.500	149.6	Р	149.6	Р	-0.400
	200.000	°C	199.500	200.500	199.5	Р	199.5	Р	-0.500
D.C Voltage input	2.000	V	1.500	2.500	2.00	Р	2.00	Р	0.000
	4.000	V	3.500	4.500	4.00	Р	4.00	Р	0.000
	6.000	V	5.500	6.500	6.00	P	6.00	Р	0.000
	8.000	v	7.500	8.500	8.00	Р	8.00	Р	0.000
	10.000	V	9.500	10.500	10.00	Р	10.00	Р	0.000
D.C mA input	10.000	mA	9.200	10.800	10.02	Р	10.02	Р	0.020
	20.000	mA	19.200	20.800	20.03	Р	20.03	Р	0.030
	30.000	mA	29.20 0	30.800	30.04	Р	30.04	Р	0.040
	40.000	mA	39.200	40.800	40.06	Р	40.06	Р	0.060
	50.000	mA	49.200	50.800	50.07	Р	50.07	Р	0.070
3 Wire RTD input	10.000	°C	9.600	10.400	10.00	Р	10.00	Р	0.000
	50.000	°C	49.600	50.400	50.00	Р	50.00	Р	0.000
	100.000	°C	99.600	100.400	99.90	Р	99.9 0	Р	-0.100
4 Wire RTD input	10.000	°C	9.600	10.400	9.90	Р	9.90	Р	-0.100
	50.000	°C	49.600	50.400	50.40	Р	50.40	Р	0.400
	100.000	°C	99.600	100.400	100.00	Р	100.00	Р	0.000
RTD output module 0°C@1000hm	s 100.000	Ohms	99.9 00	100.100	100.00	Р	100.00	Р	0.000
51.565°C @ 1200hms	120.000	Ohms	119.900	120.100	120.02	Р	120.02	Р	0.020
103.943°C @ 140Ohms	140.000	Ohms	139.900	140.100	139.99	Р	139.99	Р	-0.010



Customer Name: TRI-STAR, INC 300 VINE STREET

الد الدينية الدين

MIDDLETOWN, PA 17057

Calibration Certificate

Calibration Certificate No.: 209567

Instrument ID: 60110A-3-1-1634

Approved By:

Josh Skoczynski CALIBRATION TECHNICIAN

21-Feb-22

2:23 PM

A State Car Log 2 3 2 ft 4

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

SHOP STANDARD **TESTED AGAINST** O. Saulear 25/22 \$ 25 23 P AUDIT: TECH: DATE: 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

THERMOELECTRIC ULTRAMITE

SEE REVERSE SIDE OF SHEET SEE REVERSE SIDE OF SHEET SEE REVERSE SIDE OF SHEET SEE REVERSE SIDE OF SHEET

STV	DUGALES	500 L7											40.7	AICEL		
COMMENTS	1	1			-	2	2	-	11	:	=	-			,	=
	HUT IVI P															
CHECKED BY	STRIKE SUMMINI INI THIN	V	Į,	4	11		1,	-		-		1	D	-		11
DEV.	0	0	D	0	0	0	0	0	0	6		1		0	0	D
TP #5	800	2000	/00	40	23	a	40	5	2002	450	00	2000	3650	/00/	n	202
DEV.	0	0	0	S	o	0	0	Q	0	0	0	0	0	0	0	0
ТР #4	Cat	oasi	25	30	40	7	0 M	2	150	400	400	1500	2700	25	4	16
DEV.	0	D	0	0	0	0	S	0	0	0	0	0	0	0	0	0
TP #3	200	000/	0	20	N 0	6	20	5	100	350	200	000/	2452	0	м	12
DEV.	0	0	0	0	0	0	0	0	Q	ŋ	0	0	0	0	Ô	0
TP #2	22	Soo	25	4	01	-	6	~	29	300	R	200	1000	-50	/	9
DEV.	0	0	0	0	0	0	Q	0	0	0	0	0	4	0	0	0
TP #1	Ø	B	-100	0	0	0	0	0	Ø	250	0	25	100	-100	0	4
RANGE	-	×	н	MV IN	50V IN	10V IN	MV OUT	V OUT	RTD	RTD	ſ	×	S	⊢	V OUT	MA OUT
METER	٨	۷	A	æ	ß	8	8	B	U	U	U	υ	υ	υ	۵	۵

REV. 8 05/21

MTMC-1

MIDDLETOWN MONTHLY REPORT

APPENDIX 6