#### SUEZ MIDDLETOWN

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



March 31, 2022

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

Mr. Dan Sugarman
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#### RE: Transmittal of SUEZ Middletown Operations Report February 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.

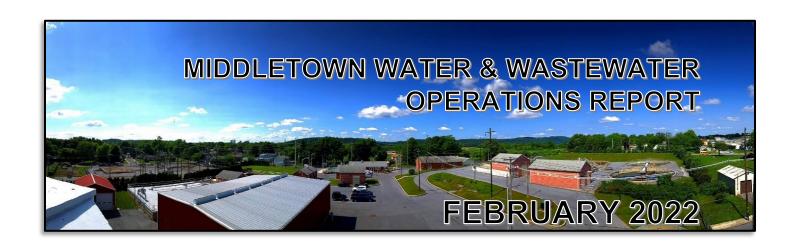
Should you have any questions or require further information, please contact me at your convenience.

Sincerely,

Kodi Webb Project Manager Suez Middletown

Kodi Webb

cc: Michael Winfield Jason Kiernan Jason O'Brien Ken Bonn William Stanton







## **EXECUTIVE SUMMARY**

This report covers the monthly period of February 1, 2022 through February 28, 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.
- Fixed service line leak at 39 Wilson Street.



#### 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
  - o 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
  - o 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. – November 2021
    - After permit approval, new chemical feed system will be installed and integrated. – Early 2022
- SUEZ working with HRG on permit amendments,
  - Well 4 Permit Application Approval Received on 6/25/21
  - Parts ordered in July, and received August 19
  - o Permit Applications for wells 1, 2, and 3 submitted 8/24/21.
    - Permits approved 10/26/21.
    - Part procured.
    - Quotes are being gathered.

#### 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 February was successfully completed on February 23rd, 2022. Bills reflecting a tariff increase of 8.3% for water and sewer services provided during this period were mailed to customers on January 28th, 2022.
- Restarted the Delinquent Notification and Shut-Off Program which was previously suspended due to COVID-19
  - Sent 247, 10 day shut-off notices to accounts that were \$50 past due for the January 2022 billing period
  - Posted 81 properties with 3 day shut-off notices
  - No Shut offs for February.

#### **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.

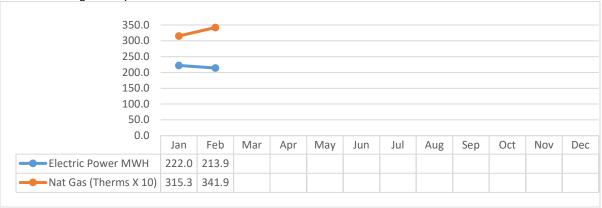
#### Quality Control Reporting

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.



<sup>\*</sup>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<br>Location | Date Off<br>Line | Reason for Taking<br>Off Line             | Date Returned to<br>Service |
|--------|----------------|---------------------|------------------|---|-----------------------------|
| Water  | Well Pump      | Well 4              | 2/26/21          | Pump Failure                              | In Progress                 |
| Water  | Fluoride Pump  | Well 4              | 2/26/21          | Pump upgrades<br>and SCADA<br>integration | Pending Upgrade             |
| Water  | Well Pump      | Well 3              | 9/14/21          | Pump Failure                              | In Progress                 |
| Water  | Booster Pump 2 | Pump<br>Station     | 1/26/22          | Pump Failure                              | In Progress                 |
| WWTP   | Safety Shower  | Alum                | 1/24/22          | Valve Leaking                             | 2/11/22                     |
| WWTP   | Raw 2          | Raw                 | 2/7/22           | Seal Failure                              | In Progress                 |



#### Sanitary Sewer System

SmartCover® Sewer Monitoring System



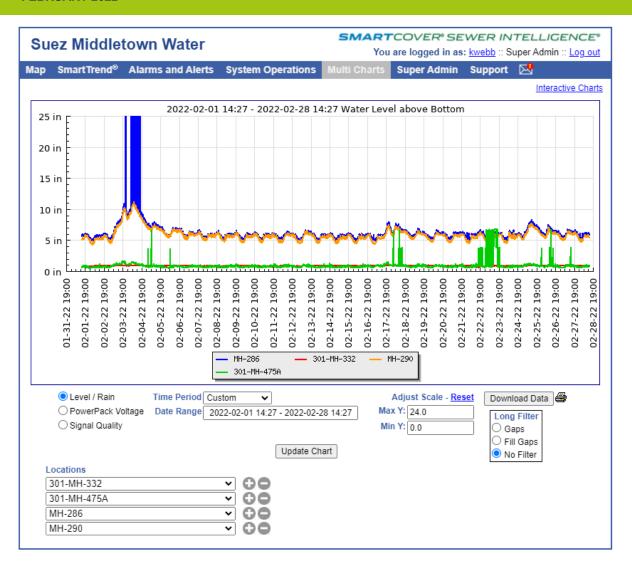


Ultrasonic level sensor (on the left) and pressure transducer (on the right). The covers use level sensing technology to analyze sewer elevations throughout the monitored area. This technology is used to monitor and reduce sanitary sewer overflows (SSO's) at problematic locations. The SmartCovers installed 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 debris at MH-286 in early February. This debris was removed and the sensor resumed normal readings. Maintenance was scheduled, but had to be delayed to early March due to weather.





# **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.



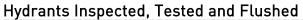
| KPI     | Hydrants<br>Inspected | Main Valves<br>Exercised |       | Ft Water System<br>Leak Detection |
|---------|-----------------------|--------------------------|-------|-----------------------------------|
| Last    | 0                     | 4                        | 11170 | 0                                 |
| Current | 0                     | 0                        | 0     | 0                                 |
| YTD     | 0                     | 4                        | 11170 | 0                                 |

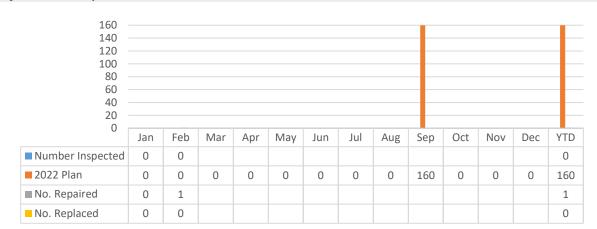
| On Target – Good Work | Caution | Significantly Behind Goal      |
|-----------------------|---------|--------------------------------|
| on ranger ooda work   | Oddtion | Digitificatively Definite Code |

#### **KPI Comments**

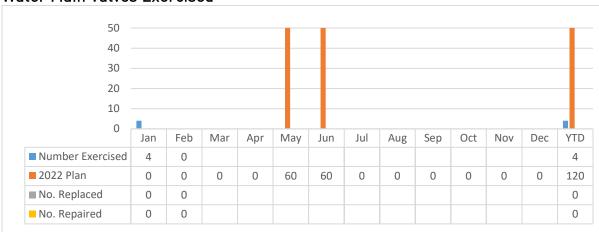
- Water Loss: Identifying and reducing the system water loss has been a key focus for SUEZ. In an effort to identify and resolve the sources of water loss, we continue to (1) verify the accuracy of the billing system reports, (2) verify the production meter accuracy at each well site based on review 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.





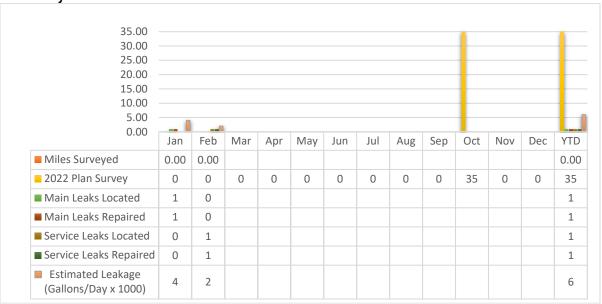


#### Water Main Valves Exercised

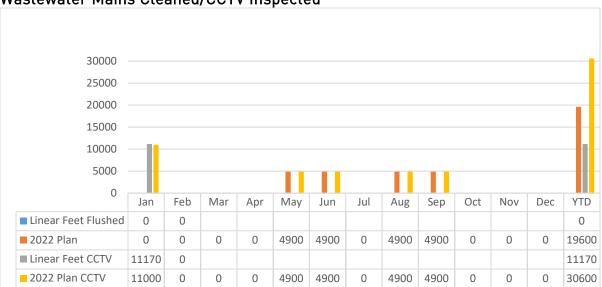






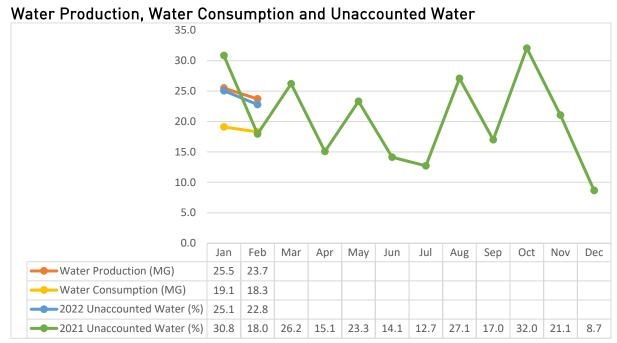


Wastewater Mains Cleaned/CCTV Inspected

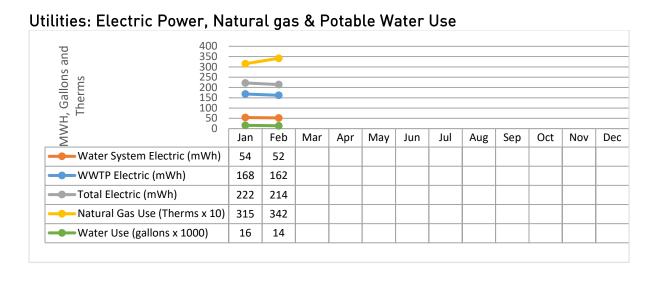


The approximately 11,000 feet of CCTV remaining from 2021 was completed in January 2022.





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.





#### Process Chemicals: Water and WWTP Treatment

| Chemical             | Units | Jan  | Feb  | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total |
|----------------------|-------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| Hypochlorite (Water) | gal   | 237  | 412  |     |     |     |     |     |     |     |     |     |     | 649   |
| Hydroflurosilic Acid | lbs   | 251  | 267  |     |     |     |     |     |     |     |     |     |     | 518   |
| Alum                 | gal   | 1309 | 1274 |     |     |     |     |     |     |     |     |     |     | 2583  |
| Thickening Polymer   | gal   | 45   | 65   |     |     |     |     |     |     |     |     |     |     | 110   |
| Dewatering Polymer   | gal   | 60   | 90   |     |     |     |     |     |     |     |     |     |     | 150   |
| Chlorine (WWTP)      | lbs   | 384  | 412  |     |     |     |     |     |     |     |     |     |     | 796   |
| Lime                 | lbs   | 3464 | 4692 |     |     |     |     |     |     |     |     |     |     | 8156  |

#### 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 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   |     |     |     |     |     |     |     |     |     |     | 1  | 0  | 0  | 0  | 1   |
| Water Process      | 17  | 0   |     |     |     |     |     |     |     |     |     |     | 17 | 0  | 0  | 0  | 17  |
| Interconnect/Large | 0   | 0   |     |     |     |     |     |     |     |     |     |     | 0  | 0  | 0  | 0  | 0   |
| Small Meter        | 0   | 0   |     |     |     |     |     |     |     |     |     |     | 0  | 0  | 0  | 0  | 0   |
| TOTAL              | 18  | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 18 | 0  | 0  | 0  | 18  |

#### **Upcoming Month Operational Priorities**

- Continue utilization of the eRPortal 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 quarterly safety training.



#### 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. Customer Service operations were remote for January 2022 due to an increase in COVID cases. The JV submitted an application for the State's Low Income Housing Water Assistance Program (LIHWAP) in January. At this time the window is still closed, but the telephone and dop box for payments remain open. Call volume increased in February with a total of 801 calls received. Call volume increased due to issues with local mail. All calls received by answering service or that were placed to the answering service after office hours were responded to.

The release of bill files for printing and mailing this month occurred in 2 days with bills for services provided February being mailed to customers on February 25th.

The average gross monthly collection rate for February was 112.3% and 101.79% for the last 12 month rolling average.

A focused effort continued this month to review idled meter accounts and identify locations where consumption was not zero. Based on this review and investigations at the service addresses the number of idle accounts was 31 accounts this month, which is up from last month. There were no idle meters with consumption this month.

The number of Field Service Requests in February was 40. As part of our efforts to minimize the risk of exposure to COVID-19 and to protect the health and safety of Middletown's residents and SUEZ staff, only critical field service work is being scheduled at this time. Critical field service work that requires entry into occupied homes were coordinated with a plumbing contractor. Requests for non-critical work will be logged and followed up for completion, pending a return to normal business operations following the direction and guidelines of the Governor of Pennsylvania, the CDC and SUEZ-NA.

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 352 who have enrolled in the Auto Pay program.



Customer Service: Calls by Type

| Customer Service:              |      |     |     |     |     |     |     | 1   |     | 1   |     | 1   |      |      |      |
|--------------------------------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|------|
| Call Type                      | Jan  | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | YTD  | 2021 | 2020 |
| General Acct. Info             | 9    | 12  |     |     |     |     |     |     |     |     |     |     | 21   | 131  | 179  |
| Bill Inquiry                   | 210  | 99  |     |     |     |     |     |     |     |     |     |     | 309  | 934  | 764  |
| Finals                         | 14   | 9   |     |     |     |     |     |     |     |     |     |     | 23   | 173  | 182  |
| New Account                    | 12   | 7   |     |     |     |     |     |     |     |     |     |     | 19   | 98   | 91   |
| Meter Reading/Re-<br>Reads     | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    | 0    | 5    |
| Payments                       | 562  | 597 |     |     |     |     |     |     |     |     |     |     | 1159 | 6127 | 5710 |
| Collection Letter              | 9    | 47  |     |     |     |     |     |     |     |     |     |     | 56   | 168  | 56   |
| Rates                          | 0    | 5   |     |     |     |     |     |     |     |     |     |     | 5    | 30   | 14   |
| Complaints                     | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    | 1    | 11   |
| Sewer                          | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    | 12   | 17   |
| Leaks                          | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    | 11   | 12   |
| No/Low Water Pressure          | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    | 6    | 10   |
| Copy Of Bill                   | 77   | 0   |     |     |     |     |     |     |     |     |     |     | 77   | 2    | 3    |
| Correct. Bills                 | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    | 0    | 1    |
| Mtr Change Out                 | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    | 1    | 0    |
| Customer<br>Correspondance     | 78   | 119 |     |     |     |     |     |     |     |     |     |     | 197  | 922  | 206  |
| Discolored/Water Quality       | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    | 0    | 1    |
| Calls Referred to SUEZ<br>Hbg  | 34   | 25  |     |     |     |     |     |     |     |     |     |     | 59   | 439  | 659  |
| Calls from City / Other<br>Org | I () | 0   |     |     |     |     |     |     |     |     |     |     | 0    | 1    | 0    |
| NMS Calls                      | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    | 18   | 0    |
| 2022 TOTALS                    | 1005 | 920 | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1925 |      |      |
| 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.

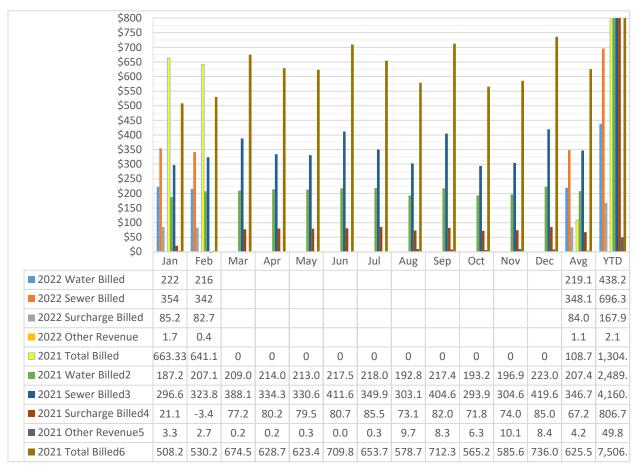
## Customer Service: Billing

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.

<sup>\*</sup> Neptune is the meter manufacturer

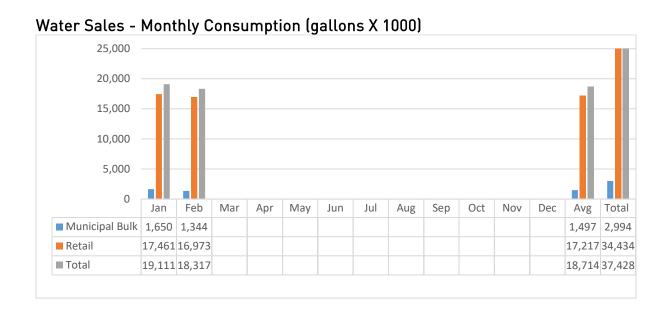


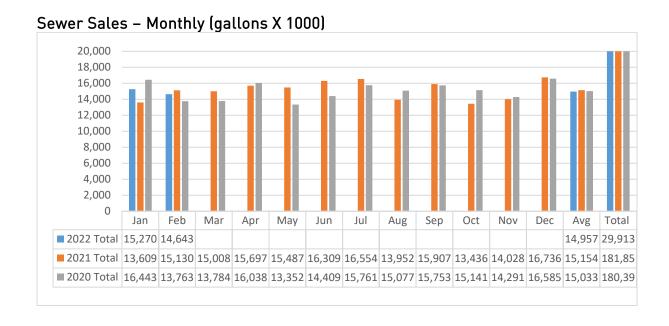
#### Dollars Billed - Water and Sewer (dollars X1000)



<sup>\*</sup>Negative surcharge value was due to the prior surcharge collection period ending in February 2021.



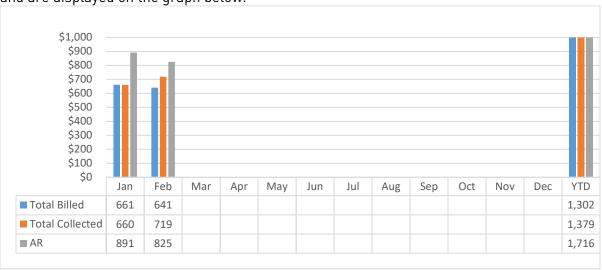




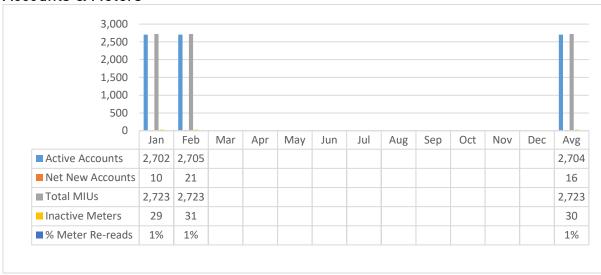


#### Collections (dollars X 1000)

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



#### **Accounts & Meters**









#### **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   |
| Unplanned  | 1   | 0   |     |     |     |     |     |     |     |     |     |     | 1  | 0  | 0  | 0  | 1   |
| 2022 TOTAL | 1   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 0   | 1  | 0  | 0  | 0  | 1   |

#### Water Quality

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

Water Quality Complaints Summary

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

There were no water quality complaints during the reporting period.

#### Sewer and Collection Issues

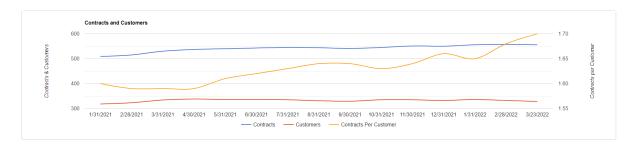
A summary of complaints related the the sewer and collection system is provide in the table below.

Sewer Quality Complaints Summary

| Jones adding Jones |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |     |
|--------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|-----|
| 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   |
| Odor               | 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   |



#### 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        | A          | May        | less       | Jul        | A          | Com        | Oct        | Nov        | Dec        | YT          | D          |
|---|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|------------|
| 1/1/2021 to 12/31/2023                              | Year     | Jan        | rep        | iviar      | Apr        | May        | Jun        | Jui        | Aug        | Sep        | Oct        | NOV        | 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 |
| Total consumption for the month (gallons)           | 2022     | 19,111,100 | 18,317,500 |            |            |            |            |            |            |            |            |            |            | 37,428,600  | 18,714,300 |
| month (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 |            |            |            |            |            |            |            |            |            |            | 34,434,100  | 17,217,050 |
| (gairons)   | 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    |            |            |            |            |            |            |            |            |            |            | 1,169,441   | 584,720    |
| (ganons per day)                                    | 2023     |            |            |            |            |            |            |            |            |            |            |            |            |             |            |
| Avg retail water sales (gal)                        |          | 528,337    | 610,171    | 555,765    | 595,300    | 572,852    | 608,157    | 609,397    | 514,487    | 625,280    | 516,081    | 549,113    | 624,145    | 4,023,796   | 578,950    |
| Dully Management Colory Total                       | 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  |            |            |            |            |            |            |            |            |            |            | 2,994,500   | 1,497,250  |
| month (gallons)                                     | 2023     |            |            |            |            |            |            |            |            |            |            |            |            |             |            |
| Bulk 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<br>(gallons per day) | 2022     | 53,235     | 48,007     |            |            |            |            |            |            |            |            |            |            | 101,243     | 50,621     |
| (Railolls hel day)                                  | 2023     |            |            |            |            |            |            |            |            |            |            |            |            |             |            |
| Avg Bulk Customer sales (gal)                       |          | 53,845     | 68,745     | 88,258     | 88,733     | 85,526     | 90,180     | 53,748     | 51,494     | 57,903     | 50,548     | 51,483     | 59,442     | 461,248     | 59,530     |

Contract Daily Bulk Water Sales Upper Limit (gal/day) = 62,970

Bulk Sales Surplus (gal/day) = No Surplus

Sum of Actual Average daily volume of Metered water sales to Retail Water Customers over Test period + Bulk Sales Surplus (gal/day) = 578,950

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.

#### Capital Improvement Plan

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

# MIDDLETOWN WATER & WASTEWATER OPERATIONS REPORT FEBRUARY 2022



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

|  |               |    |         | 2  | 022 and 5 YEA | AR CA | APITAL IMPRO | VEMEN | IT PLAN |        |      |               |
|--|---------------|----|---------|----|---------------|-------|--------------|-------|---------|--------|------|---------------|
| BASE CAPITAL IMPROVEMENTS                                | 2021          | 2  | .022    |    | 2023          |       | 2024         | 2     | .025    | 2026   |      | 2027          |
| Headworks Wet Well Pump and Tank Rehabilitation Project  | -             |    |         | \$ | 45,000        | Ş     | -            |       |         |        |      |               |
| Well No. 4 Rehabilitation Project                        | \$<br>-       | \$ | -       | \$ | -             | \$    | -            | \$    | 70,000  | \$ 70  | ,000 | \$<br>-       |
| Well No. 3 Stripping Tower Rehabilitation Project        | \$<br>15,000  | \$ | -       | \$ | -             | \$    | -            |       |         |        |      |               |
| Well Upgrades (Pumps, controls, automation)              |               | \$ | 122,000 | \$ | 38,000        |       |              |       |         |        |      |               |
| Ventilation of ATAD Building Project                     | \$<br>-       | \$ | -       | \$ | 50,000        | \$    | -            |       |         |        |      |               |
| Fire Alarm System Design Project                         | \$<br>-       | \$ | -       | \$ | -             | \$    | -            |       |         |        |      |               |
| Chlorine Analyzer Replacement Project                    | \$<br>-       | \$ | -       | \$ | -             | \$    | -            |       |         |        |      |               |
| Blower Building Instrumentation Replacement Project      | \$<br>-       |    |         |    |               | \$    | 10,000       |       |         |        |      |               |
| SCADA Upgrade Project                                    | \$<br>-       | \$ | -       | \$ | -             | \$    | 25,000       |       |         |        |      |               |
| WAS Storage Tank Instrumentation Replacement Project     | \$<br>-       | \$ | -       | \$ | -             | \$    | 15,000       |       |         |        |      |               |
| Biofilter Instrumentation Replacement Project            | \$<br>-       | \$ | -       | \$ | -             | \$    | -            |       |         |        |      |               |
| ATAD & SNDR Reactors Instrumentation Replacement Project | \$<br>14,500  | \$ | 14,500  | \$ | 11,500        | \$    | -            |       |         |        |      |               |
| Headworks Instrumentation Replacement Project            | \$<br>-       | \$ | -       | \$ | -             | \$    | 27,000       |       |         |        |      |               |
| Biosolids Processing Instrumentation Replacement Project | -             | \$ | -       | \$ | -             | \$    | -            |       |         |        |      |               |
| Oxidation Ditch Instrumentation Replacement Project      | \$<br>40,000  | \$ | -       | \$ | -             | \$    | -            |       |         |        |      |               |
| Scum Pump Station Instrumentation Replacement Project    | -             | \$ | -       | \$ | -             | \$    | -            |       |         |        |      |               |
| WWTP Facilities Security Upgrades Project                | \$<br>-       | \$ | -       |    |               | \$    | -            | \$    | 30,000  | \$ 20  | ,000 | \$<br>20,000  |
| Well Facilities Security Upgrades Project                | \$<br>-       | \$ | -       |    |               | \$    | -            | \$    | -       | \$ 20  | ,000 | \$<br>20,000  |
| Well Evaluation and Upgrades Project                     | \$<br>-       | \$ | -       | \$ | -             | \$    | -            |       |         |        |      |               |
| Trench Opening Restoration Project                       | \$<br>70,150  | \$ | 50,000  | \$ | 50,000        | \$    | 50,000       | \$    | 50,000  | \$ 50  | ,000 | \$<br>50,000  |
| Water and WWTP System Evaluations                        | \$<br>28,750  | \$ | 28,750  | \$ | 28,750        | \$    | 28,750       | \$    | 30,000  | \$ 30  | ,000 | \$<br>30,000  |
| WWTP Electrical Upgrades                                 | \$<br>-       | \$ | -       | \$ | -             | \$    | 25,000       | \$    | 25,000  | \$ 25  | ,000 | \$<br>25,000  |
| WWTP Safety Compliance Project                           | \$<br>-       | \$ | -       | \$ | -             | \$    | 50,000       |       |         |        |      |               |
| Water and Wastewater Systems Miscellanous Upgrades       | \$<br>180,000 | \$ | 170,000 | \$ | 170,000       | \$    | 150,000      | \$    | 162,000 | \$ 160 | ,000 | \$<br>235,000 |
| Safety Upgrades  | \$<br>10,600  | \$ | -       | \$ | -             | \$    | -            | \$    | 20,000  | \$ 20  | ,000 | \$<br>20,000  |
| TOTAL BASE CAPITAL IMPROVEMENTS *                        | 359,000       | \$ | 385,250 | \$ | 393,250       | \$    | 380,750      | \$    | 387,000 | \$ 395 | ,000 | \$<br>400,000 |
| PROPOSED YEARLY BUDGET FOR BASE CAPITAL PROJECTS **      | \$<br>368,367 | \$ | 385,312 | \$ | 403,037       | \$    | 421,576      | \$    | 440,969 | \$ 465 | ,253 | \$<br>482,471 |

| MAJOR CAPITAL IMPROVEMENTS                            |    | 2021 *  | 2022 *          | 2023 *          | 2024 *          | 2025 *          | 2026 *          | 2027 *          |
|---|----|---------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Underground Infrastructure Replacements (2023 - 2026) | \$ | -       | \$<br>-         | \$<br>2,394,090 | \$<br>2,394,090 | \$<br>2,394,090 | \$<br>2,394,090 | \$<br>2,394,090 |
| Underground Infrastructure Replacements (2016)        | Г  |         | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         |
| Underground Infrastructure Replacements (2017)        | \$ | 275,074 | \$<br>1,157,425 | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         |
| Underground Infrastructure Replacements (2018)        | \$ | 49,500  | \$<br>1,596,000 | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         |
| Underground Infrastructure Replacements (2019) ***    | \$ | 268,000 | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         |
| Underground Infrastructure Replacements (2020)        | \$ | 275,074 | \$<br>1,157,425 | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         |
| Underground Infrastructure Replacements (2021)        | \$ | 49,500  | \$<br>1,596,000 | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         |
| Underground Infrastructure Replacements (2022)        | \$ | -       | \$<br>30,333    | \$<br>2,287,000 | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         |
| Water Storage Tank Rehabilitation - Union Street      | \$ | -       | \$<br>-         | \$<br>1,309,083 | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         |
| Water Storage Tank Rehabilitation - High Street       | \$ | -       | \$<br>1,216,988 | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         |
| Water Storage Tank Rehabilitation - Turnpike          | \$ | -       | \$<br>955,938   | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         | \$<br>-         |
| Contingency (5%)                                      | \$ | -       | \$<br>276,859   | \$<br>234,054   | \$<br>119,704   | \$<br>119,704   | \$<br>119,704   | \$<br>119,704   |
| TOTAL MAJOR PROJECTS                                  | \$ | 917,148 | \$<br>7,986,967 | \$<br>6,224,227 | \$<br>2,513,794 | \$<br>2,513,794 | \$<br>2,513,794 | \$<br>2,513,794 |

| REGULATORY COMPLIANCE                     |       |              |                 |                 |                 |                 |                 |                 |
|---|-------|--------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| WWTP Effluent Outfall Rehabilitation **** |       |              |                 | \$<br>356,500   |                 |                 |                 |                 |
| TOTAL                                     | CAPEX | \$ 1,285,515 | \$<br>8,372,279 | \$<br>6,983,764 | \$<br>2,935,370 | \$<br>2,954,763 | \$<br>2,975,047 | \$<br>2,996,265 |

# Environment, Health & Safety

|  | Jan  | Feb | Mar | Apr | Мау | Jun | Jul | Aug | Sep | Oct | Nov | Dec | YTD  |
|--|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| Environmental Incidents – Regulatory<br>(PADEP/USEPA) notifications          | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    |
| Concessionaire Notifications   | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    |
| Incident Email Notifications   | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    |
| Environmental Incidents – Appletree<br>Hotline notifications                 | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    |
| Environmental Incidents – Appletree<br>Hotline notifications/chemical spills | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    |
| Non-compliance – violations  | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    |
| Reporting non-compliance   | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    |
| Safety related incidents – OSHA lost time                                    | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    |
| Total days lost  | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    |
| Safety related incidents – Preventable                                       | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    |
| Safety related – Near Miss   | 0    | 0   |     |     |     |     |     |     |     |     |     |     | 0    |
| Employee lost-time – not job-related – total as sick hours                   | 73.5 | 16  |     |     |     |     |     |     |     |     |     |     | 89.5 |

On Caution Meets/Exceeds Target

#### **SUEZ MIDDLETOWN**

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



March 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 – February 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 Project Manager Suez Middletown

Kodi Webb

#### **SUEZ MIDDLETOWN**

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



March 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-February 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

Project Manager

Kodi Webb

## **MIDDLETOWN MONTHLY REPORT**

# APPENDIX 1 WASTEWATER

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

&

**SMARTCOVER® MONITORING SYSTEM REPORT** 

From: depgreenporthelpdesk@state.pa.us

To: Webb, Kodi (RED); mitchell.swartz@suez-na.com; jesse.randles@suez.com; Webb, Kodi (RED); Lank Ii, Gene

(RED)

**Subject:** Your eDMR Report Has Been Received For Permit No. PA0020664

**Date:** Friday, March 18, 2022 4:07:53 PM

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**: 02/01/2022-02/28/2022

**Report Due Date**: 03/28/2022

Submitted By: Kodi Webb Submission Id: 318453 Submission Status: Received Submission Type: Original

To view the details of this report, access the eDMR system through DEP's <u>GreenPort</u> and select the link for View/Revise Submitted.



# **DISCHARGE MONITORING REPORT (DMR)**

MONITORING PERIOD

TO

YEAR

2022

MIDDLETOWN WATER JT VENTURE LLC NAME:

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

FACILITY: MIDDLETOWN STP

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

Final Effluent STAGE:

PA0020664 PERMIT NUMBER

MO

02

DAY

01

YEAR

2022

FROM

001 **OUTFALL NUMBER** 

MO

02

DAY

28

Reporting Frequency: Monthly 02/01/2022 DMR Effective From:

02/28/2022 DMR Effective To: 02/28/2026 Permit Expires:

Permit Application Due: 09/01/2025 No Discharge:

| PARAMETER                       |                    | QUAN          | TITY OR LOA     | ADING   | QU               | ANTITY OR CONC             | ENTRATIO         | N     | SAMPLING FREQUENCY  | SAMPLING TYPE   |
|---------------------------------|--------------------|---------------|-----------------|---------|------------------|----------------------------|------------------|-------|---------------------|-----------------|
| FAIVAIVILILIX                   |                    | VALUE         | VALUE           | UNITS   | VALUE            | VALUE                      | VALUE            | UNITS | SAME LING! REQUENC! | SAIVIFLING LIFL |
|                                 | SAMPLE MEASUREMENT | ***           | ***             |         | 8.78             | ***                        | ***              |       | 1/day               | Grab            |
| Dissolved Oxygen (00300)        | PERMIT REQUIREMENT | ***           | ***             |         | 5.0<br>Daily Min | ***                        | ***              | mg/L  | 1/day               | Grab            |
|                                 | SAMPLE MEASUREMENT | ***           | ***             |         | 7.20             | ***                        | 7.70             |       | 1/day               | Grab            |
| pH (00400)                      | PERMIT REQUIREMENT | ***           | ***             |         | 6.0<br>Inst Min  | ***                        | 9.0<br>IMAX      | S.U.  | 1/day               | Grab            |
|                                 | SAMPLE MEASUREMENT | 82            | 118             |         | ***              | 8.0                        | 10.0             |       | 2/week              | 24-Hr Composite |
| Total Suspended Solids (00530)  | PERMIT REQUIREMENT | 550<br>Avg Mo | 826<br>Wkly Avg | lbs/day | ***              | 30.0<br>Avg Mo             | 45.0<br>Wkly Avg | mg/L  | 2/week              | 24-Hr Composite |
|                                 | SAMPLE MEASUREMENT | ***           | ***             |         | ***              | <3.2                       | ***              |       | 1/month             | Calculation     |
| Total Nitrogen (00600)          | PERMIT REQUIREMENT | ***           | ***             |         | ***              | Monitor & Report<br>Avg Mo | ***              | mg/L  | 1/month             | Calculation     |
|                                 | SAMPLE MEASUREMENT | ***           | ***             |         | ***              | <.06                       | ***              |       | 2/week              | 24-Hr Composite |
| Ammonia-Nitrogen (00610)        | PERMIT REQUIREMENT | ***           | ***             |         | ***              | Monitor & Report<br>Avg Mo | ***              | mg/L  | 2/week              | 24-Hr Composite |
|                                 | SAMPLE MEASUREMENT | ***           | ***             |         | ***              | <.95                       | ***              |       | 2/week              | 24-Hr Composite |
| Total Kjeldahl Nitrogen (00625) | PERMIT REQUIREMENT | ***           | ***             |         | ***              | Monitor & Report<br>Avg Mo | ***              | mg/L  | 2/week              | 24-Hr Composite |
|                                 | SAMPLE MEASUREMENT | ***           | ***             |         | ***              | <2.24                      | ***              |       | 2/week              | 24-Hr Composite |
| Nitrate-Nitrite as N (00630)    | PERMIT REQUIREMENT | ***           | ***             |         | ***              | Monitor & Report<br>Avg Mo | ***              | mg/L  | 2/week              | 24-Hr Composite |



# **DISCHARGE MONITORING REPORT (DMR)**

| PARAMETER   |                    | QUANTI                       | TY OR LOADING              |         | QUAI  | NTITY OR C       | CONCENT          | RATION     | SAMPLING FREQUENCY | SAMPLING TYPE   |
|---|--------------------|------------------------------|----------------------------|---------|-------|------------------|------------------|------------|--------------------|-----------------|
| PARAMETER   |                    | VALUE                        | VALUE                      | UNITS   | VALUE | VALUE            | VALUE            | UNITS      | SAMPLING PREQUENCY | SAIVIPLING THE  |
|   | SAMPLE MEASUREMENT | 1                            | ***                        |         | ***   | .14              | ***              |            | 2/week             | 24-Hr Composite |
| Total Phosphorus (00665)                          | PERMIT REQUIREMENT | 37<br>Avg Mo                 | ***                        | lbs/day | ***   | 2.0<br>Avg Mo    | ***              | mg/L       | 2/week             | 24-Hr Composite |
|   | SAMPLE MEASUREMENT | 1.439                        | 3.416                      |         | ***   | ***              | ***              |            | Continuous         | Measured        |
| Flow (50050)                                      | PERMIT REQUIREMENT | Monitor & Report<br>Avg Mo   | Monitor & Report Daily Max | MGD     | ***   | ***              | ***              |            | Continuous         | Measured        |
|   | SAMPLE MEASUREMENT | ***                          | ***                        |         | ***   | .3               | .51              |            | 1/day              | Grab            |
| Total Residual Chlorine (TRC) (50060)             | PERMIT REQUIREMENT | ***                          | ***                        |         | ***   | .5<br>Avg Mo     | 1.6<br>IMAX      | mg/L       | 1/day              | Grab            |
|   | SAMPLE MEASUREMENT | <914.7                       | ***                        |         | ***   | ***              | ***              |            | 1/month            | Calculation     |
| Total Nitrogen (Total Load, Ibs) (51445)          | PERMIT REQUIREMENT | Monitor & Report<br>Total Mo | ***                        | lbs     | ***   | ***              | ***              |            | 1/month            | Calculation     |
|   | SAMPLE MEASUREMENT | <15.8                        | ***                        |         | ***   | ***              | ***              |            | 1/month            | Calculation     |
| Ammonia-Nitrogen (Total Load, Ibs) (51446)        | PERMIT REQUIREMENT | Monitor & Report<br>Total Mo | ***                        | lbs     | ***   | ***              | ***              |            | 1/month            | Calculation     |
|   | SAMPLE MEASUREMENT | <270.4                       | ***                        |         | ***   | ***              | ***              |            | 1/month            | Calculation     |
| Total Kjeldahl Nitrogen (Total Load, Ibs) (51449) | PERMIT REQUIREMENT | Monitor & Report<br>Total Mo | ***                        | lbs     | ***   | ***              | ***              |            | 1/month            | Calculation     |
|   | SAMPLE MEASUREMENT | <644.3                       | ***                        |         | ***   | ***              | ***              |            | 1/month            | Calculation     |
| Nitrate-Nitrite as N (Total Load, Ibs) (51450)    | PERMIT REQUIREMENT | Monitor & Report<br>Total Mo | ***                        | lbs     | ***   | ***              | ***              |            | 1/month            | Calculation     |
|   | SAMPLE MEASUREMENT | 40.4                         | ***                        |         | ***   | ***              | ***              |            | 1/month            | Calculation     |
| Total Phosphorus (Total Load, Ibs) (51451)        | PERMIT REQUIREMENT | Monitor & Report<br>Total Mo | ***                        | lbs     | ***   | ***              | ***              |            | 1/month            | Calculation     |
|   | SAMPLE MEASUREMENT | ***                          | ***                        |         | ***   | <3.0             | 11.0             |            | 2/week             | Grab            |
| Fecal Coliform (74055)                            | PERMIT REQUIREMENT | ***                          | ***                        |         | ***   | 2000<br>Geo Mean | 10000<br>IMAX    | No./100 ml | 2/week             | Grab            |
| Carbonaceous Biochemical Oxygen Demand            | SAMPLE MEASUREMENT | <33                          | 39                         |         | ***   | <3.0             | 4.0              |            | 2/week             | 24-Hr Composite |
| (CBOD5) (80082)                                   | PERMIT REQUIREMENT | 459<br>Avg Mo                | 734<br>Wkly Avg            | lbs/day | ***   | 25.0<br>Avg Mo   | 40.0<br>Wkly Avg | mg/L       | 2/week             | 24-Hr Composite |
| Facility Comments                                 |                    |                              |                            |         |       |                  |                  |            |                    |                 |
|   |                    |                              |                            |         |       |                  |                  |            |                    |                 |



# **DISCHARGE MONITORING REPORT (DMR)**

| NAME:     | MIDDLETOWN WATER JT VENTURE LLC               |      | PA   | 0020664 |      |        |        | 001    |     | Reporting Frequency:    | Monthly    |
|-----------|---|------|------|---------|------|--------|--------|--------|-----|-------------------------|------------|
| ADDRESS:  | 9W 57TH ST STE 4200, NEW YORK, NY , 10019     |      | PERM | IT NUME | BER  |        | OUTFA  | LL NUM | BER | DMR Effective From:     | 02/01/2022 |
| FACILITY: | MIDDLETOWN STP                                |      |      | -       |      | _      |        |        |     | DMR Effective To:       | 02/28/2022 |
| LOCATION: | 453 S LAWRENCE ST, MIDDLETOWN, PA, 17057-1132 |      |      |         | MONI | TORING | PERIOD |        |     | Permit Expires:         | 02/28/2026 |
| STAGE:    | Effluent Net                                  |      | YEAR | МО      | DAY  |        | YEAR   | МО     | DAY | Permit Application Due: | 09/01/2025 |
|           |   | FROM | 2022 | 02      | 01   | то     | 2022   | 02     | 28  | No Discharge:           | П          |

| PARAMETER                                  |                    | QUANTITY (                   | OR LOADIN | IG    | QUAN  | ITITY OR CO | ONCENTRA | TION  | SAMPLING FREQUENCY  | SAMPLING TYPE |  |
|--|--------------------|------------------------------|-----------|-------|-------|-------------|----------|-------|---------------------|---------------|--|
| TAIMILIEI                                  |                    | VALUE                        | VALUE     | UNITS | VALUE | VALUE       | VALUE    | UNITS | SAMI LINGT NEQUENCT | SAMI LING THE |  |
|  | SAMPLE MEASUREMENT | <914.7                       | ***       |       | ***   | ***         | ***      |       | 1/month             | Calculation   |  |
| Total Nitrogen (Total Load, lbs) (51445)   | PERMIT REQUIREMENT | Monitor & Report<br>Total Mo | ***       | lbs   | ***   | ***         | ***      |       | 1/month             | Calculation   |  |
|  | SAMPLE MEASUREMENT | 40.4                         | ***       |       | ***   | ***         | ***      |       | 1/month             | Calculation   |  |
| Total Phosphorus (Total Load, Ibs) (51451) | PERMIT REQUIREMENT | Monitor & Report<br>Total Mo | ***       | lbs   | ***   | ***         | ***      |       | 1/month             | Calculation   |  |
| Facility Comments                          |                    |                              |           |       |       |             |          |       |                     |               |  |



# **DISCHARGE MONITORING REPORT (DMR)**

| NAME:     | MIDDLETOWN WATER JT VENTURE LLC                |      | PA   | 0020664 | 1     |       |        | 001    |     | Reporting Frequency:    | Monthly    |
|-----------|--|------|------|---------|-------|-------|--------|--------|-----|-------------------------|------------|
| ADDRESS:  | 9W 57TH ST STE 4200, NEW YORK, NY , 10019      |      | PERM | IT NUME | BER   |       | OUTFA  | LL NUM | BER | DMR Effective From:     | 02/01/2022 |
| FACILITY: | MIDDLETOWN STP                                 | ·    |      |         |       | 1     |        |        |     | DMR Effective To:       | 02/28/2022 |
| LOCATION: | 453 S LAWRENCE ST, MIDDLETOWN, PA , 17057-1132 |      |      |         | MONIT | ORING | PERIOD |        |     | Permit Expires:         | 02/28/2026 |
| STAGE:    | Raw Sewage Influent                            |      | YEAR | МО      | DAY   |       | YEAR   | МО     | DAY | Permit Application Due: | 09/01/2025 |
| ·         |  | FROM | 2022 | 02      | 01    | то    | 2022   | 02     | 28  | No Discharge:           |            |
|           |  |      |      |         |       |       |        |        |     | <u> </u>                |            |

| PARAMETER                                |                    | QUANTI                     | TY OR LOADING                 |         | QUA   | ANTITY OR CONC             | ENTRATION | NC    | SAMPLING FREQUENCY  | SAMPLING TYPE     |
|--|--------------------|----------------------------|-------------------------------|---------|-------|----------------------------|-----------|-------|---------------------|-------------------|
| TAVAMETER                                |                    | VALUE                      | VALUE                         | UNITS   | VALUE | VALUE                      | VALUE     | UNITS | SAMI LINGT NEQUENCT | JAWII LING I II L |
|  | SAMPLE MEASUREMENT | 2531                       | 3275                          |         | ***   | 249                        | ***       |       | 2/week              | 24-Hr Composite   |
| Biochemical Oxygen Demand (BOD5) (00310) | PERMIT REQUIREMENT | Monitor & Report<br>Avg Mo | -                             |         | ***   | Monitor & Report<br>Avg Mo | ***       | mg/L  | 2/week              | 24-Hr Composite   |
|  | SAMPLE MEASUREMENT | 2322                       | 3293                          |         | ***   | 230                        | ***       |       | 2/week              | 24-Hr Composite   |
| Total Suspended Solids (00530)           | PERMIT REQUIREMENT | Monitor & Report<br>Avg Mo | Monitor & Report<br>Daily Max | lbs/day | ***   | Monitor & Report<br>Avg Mo | ***       | mg/L  | 2/week              | 24-Hr Composite   |
| Facility Comments                        |                    | _                          |                               |         |       |                            |           |       |                     |                   |

#### ATTACHMENT DETAILS

| TIACHWENT DETAILS                  |  |                      |                    |
|------------------------------------|--|----------------------|--------------------|
| FILE NAME                          | ATTACHMENT TYPE  | UPLOADED TIME        | ATTACHMENT COMMENT |
| Effluent Supplemental              | Daily Effluent Monitoring Form                         | 3/11/2022 9:45:55 AM |                    |
| Annual Chesapeake Bay Supplemental | Annual Chesapeake Bay Spreadsheet                      | 3/11/2022 9:47:15 AM |                    |
| Biosolids Supplemental             | Sewage Sludge / Biosolids Production and Disposal Form | 3/11/2022 9:45:30 AM |                    |
| Influent Supplemental              | Influent and Process Control Form                      | 3/11/2022 9:46:21 AM |                    |

#### COMMENT DETAILS

| COMMENTS | OPERATOR NAME   | OPERATOR CERTIFICATION NUMBER | OPERATOR CONTACT NUMBER |
|----------|-----------------|-------------------------------|-------------------------|
|          | Gene A. Lank II | 246163                        | (717)-471-1813          |



#### SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

| Facility Name: | Middletown STP     |                        | Month: February Year: 2022                            |
|----------------|--------------------|------------------------|---|
| Municipality:  | Middletown Borough | County: <b>Dauphin</b> | NPDES Permit No.: PA0020664                           |
| Watershed:     | 7-C                |                        | Renewal application due 180 days prior to expiration. |
|                |                    |                        | This permit will expire on: February 28, 2026         |

|     |        |                  | Influent         | _      |       |               |             | Process Control |  |
|-----|--------|------------------|------------------|--------|-------|---------------|-------------|-----------------|--|
|     | Flow   | BOD <sub>5</sub> | BOD <sub>5</sub> | TSS    | TSS   | Aeration MLSS | Aeration DO | Sludge Wasted   |  |
| Day | (MGD)  | (mg/l)           | (lbs)            | (mg/l) | (lbs) | (mg/l)        | (mg/l)      | (gallons)       |  |
| 1   | 1.0967 | 358.0            | 3,275            | 360.0  | 3,293 | 5,107.0       |             | 20,000.0        |  |
| 2   | 1.0662 |                  |                  |        |       | 4,795.0       |             | 22,000.0        |  |
| 3   | 2.7999 |                  |                  |        |       | 4,648.0       |             | 20,000.0        |  |
| 4   | 3.4157 |                  |                  |        |       | 4,777.0       |             | 20,000.0        |  |
| 5   | 1.8527 |                  |                  |        |       |               |             | 20,000.0        |  |
| 6   | 1.5905 |                  |                  |        |       |               |             | 20,000.0        |  |
| 7   | 1.469  | 191.0            | 2,340            | 162.0  | 1,985 | 4,966.0       |             | 22,000.0        |  |
| 8   | 1.3276 | 179.0            | 1,982            | 184.0  | 2,037 | 4,912.0       |             | 20,000.0        |  |
| 9   | 1.2951 |                  |                  |        |       | 5,016.0       |             | 23,000.0        |  |
| 10  | 1.2622 |                  |                  |        |       | 4,837.0       |             | 22,000.0        |  |
| 11  | 1.2035 |                  |                  |        |       | 5,148.0       |             | 20,000.0        |  |
| 12  | 1.1217 |                  |                  |        |       |               |             | 20,000.0        |  |
| 13  | 1.2332 |                  |                  |        |       |               |             | 20,000.0        |  |
| 14  | 1.1599 | 262.0            | 2,535            | 257.0  | 2,486 | 4,666.0       |             | 20,000.0        |  |
| 15  | 1.0883 | 203.0            | 1,843            | 192.0  | 1,743 | 4,802.0       |             | 21,000.0        |  |
| 16  | 1.0925 |                  |                  |        |       | 4,961.0       |             | 20,000.0        |  |
| 17  | 1.4943 |                  |                  |        |       | 5,277.0       |             | 20,000.0        |  |
| 18  | 1.4729 |                  |                  |        |       | 4,987.0       |             | 18,000.0        |  |
| 19  | 1.2408 |                  |                  |        |       |               |             | 20,000.0        |  |
| 20  | 1.2813 |                  |                  |        |       |               |             | 20,000.0        |  |
| 21  | 1.2313 | 268.0            | 2,752            | 282.0  | 2,896 | 4,770.0       |             | 21,000.0        |  |
| 22  | 1.1885 | 267.0            | 2,647            | 230.0  | 2,280 | 4,828.0       |             | 22,000.0        |  |
| 23  | 1.1202 |                  |                  |        |       | 4,995.0       |             | 23,000.0        |  |
| 24  | 1.34   |                  |                  |        |       | 5,022.0       |             | 23,000.0        |  |
| 25  | 1.8068 |                  |                  |        |       | 4,966.0       |             | 20,000.0        |  |
| 26  | 1.4177 |                  |                  |        |       |               |             | 20,000.0        |  |
| 27  | 1.3231 |                  |                  |        |       |               |             | 20,000.0        |  |
| 28  | 1.3076 | 264.0            | 2,879            | 170.0  | 1,854 | 4,988.0       |             | 20,000.0        |  |
| 29  |        |                  |                  |        |       |               |             |                 |  |
| 30  |        |                  |                  |        |       |               |             |                 |  |
| 31  |        |                  |                  |        |       |               |             |                 |  |
| Avg | 1.439  | 249              | 2,531            | 230    | 2,322 | 4,923         |             | 20,607          |  |
| Max | 3.416  | 358              | 3,275            | 360    | 3,293 | <b>5,277</b>  |             | 23,000          |  |

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.: | 264163    |
|--------------|-----------------|--------------|-----------|
| Title:       | Operator        | Date:        | 3/10/2022 |



#### SUPPLEMENTAL REPORT DAILY EFFLUENT MONITORING

3800-FM-BCW0435 3/2012

Facility Name: Middletown STP Month: 2 (select number)
Permit No.: PA0020664 Municipality: Middletown Borough County: Dauphin Watershed: Laboratories: M. J. Reider/Suez Middletown

2022 Year: Outfall: 001 Renewal application due 180 days prior to expiration. This permit will expire on: February 28, 2026

|          | Parameter                                    | Flow                  |          | рН         | Disso    | olved Oxygen |   | TRC  | c | BOD5       |                 | TSS        | Fee      | cal Coliform |               | NH3-N     | Tota | l 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 |  |
| -        |  |                       | -        |            | -        |              |   |      |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
|          |  |                       |          |            |          |              |   |      |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
| 1        | Sun 1/30/22                                  | 1.046                 |          |            |          |              |   |      |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
|          | Mon 1/31/22                                  | 1.036                 |          |            |          |              |   |      | < | 2.0        |                 | 4.0        |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
|          | Tue 2/1/22                                   | 1.097                 |          | 7.5        |          | 9.45         |   | 0.3  | < | 2.0        |                 | 10.0       | <        | 2.0          | <             | 0.02      |      | 0.16         |          |   |   |          |   |          |   |  |
|          | Wed 2/2/22<br>Thu 2/3/22                     | 1.066<br>2.800        |          | 7.5<br>7.4 |          | 9.44<br>9.05 |   | 0.34 |   |            |                 |            | <        | 2.0          | _             |           |      |              |          |   |   |          |   |          |   |  |
|          | Fri 2/4/22                                   | 3.416                 |          | 7.4        |          | 8.95         |   | 0.18 |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
|          | Sat 2/5/22                                   | 1.853                 |          | 7.3        |          | 9.82         |   | 0.22 |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
| 2        | Sun 2/6/22                                   | 1.590                 |          | 7.4        |          | 9.85         |   | 0.34 |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
|          | Mon 2/7/22                                   | 1.469                 |          | 7.3        | ļļ       | 9.35         |   | 0.2  |   | 2.3        |                 | 12.0       |          |              | <             | 0.02      |      | 0.15         |          |   |   |          |   |          |   |  |
| -        | Tue 2/8/22<br>Wed 2/9/22                     | 1.328<br>1.295        | -        | 7.4<br>7.5 |          | 9.39<br>9.35 |   | 0.31 |   | 4.5        | -               | 8.0        |          | 10.0<br>11.0 |               | 0.15      |      | 0.14         |          |   |   |          |   |          |   |  |
| -        | Thu 2/10/22                                  | 1.293                 |          | 7.4        |          | 9.02         |   | 0.35 |   |            |                 |            | + 1      | 11.0         |               |           |      |              |          |   |   |          |   |          |   |  |
|          | Fri 2/11/22                                  | 1.204                 |          | 7.4        |          | 9.02         |   | 0.32 |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
|          | Sat 2/12/22                                  | 1.122                 |          | 7.4        |          | 8.92         |   | 0.35 |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
| 3        | Sun 2/13/22                                  | 1.233                 |          | 7.7        |          | 9.1          |   | 0.51 |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
|          | Mon 2/14/22                                  | 1.160<br>1.088        |          | 7.5<br>7.5 |          | 9.17         |   | 0.33 |   | 3.7        |                 | 10.0       |          | 0.0          | <             | 0.02      |      | 0.14<br>0.13 |          |   |   |          |   |          |   |  |
|          | Tue 2/15/22<br>Wed 2/16/22                   | 1.088                 |          | 7.5        |          | 9.45<br>9.4  |   | 0.42 |   | 3.3        |                 | 7.0        | <        | 2.0          | _             | 0.11      |      | 0.13         |          |   |   |          |   |          |   |  |
|          | Thu 2/17/22                                  | 1.494                 |          | 7.5        |          | 8.97         |   | 0.35 |   |            |                 |            | + 1      | 2.0          |               |           |      |              |          |   |   |          |   |          |   |  |
|          | Fri 2/18/22                                  | 1.473                 |          | 7.4        |          | 8.89         |   | 0.4  |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
|          | Sat 2/19/22                                  | 1.241                 |          | 7.5        |          | 9.21         |   | 0.34 |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
| 4        | Sun 2/20/22                                  | 1.281                 |          | 7.4        | ļļ       | 9.4          |   | 0.35 |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
| -        | Mon 2/21/22<br>Tue 2/22/22                   | 1.231<br>1.189        | -        | 7.4        |          | 9.23<br>9.04 |   | 0.32 |   | 3.7<br>2.0 | -               | 5.0<br>6.0 | <        | 2.0          | <             | 0.08      |      | 0.11<br>0.13 |          |   |   |          |   |          |   |  |
| -        | Wed 2/23/22                                  | 1.120                 |          | 7.5        |          | 8.78         |   | 0.32 |   | 2.0        |                 | 6.0        | $\vdash$ | 5.0          | <u> </u>      | 0.02      |      | 0.13         |          |   |   |          |   |          |   |  |
|          | Thu 2/24/22                                  | 1.340                 |          | 7.5        |          | 9.08         |   | 0.29 |   |            |                 |            |          | 0.0          |               |           |      |              |          |   |   |          |   |          |   |  |
|          | Fri 2/25/22                                  | 1.807                 |          | 7.4        |          | 9.03         |   | 0.28 |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
|          | Sat 2/26/22                                  | 1.418                 |          | 7.4        |          | 9.36         |   | 0.38 |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
| 5        | Sun 2/27/22                                  | 1.323                 |          | 7.4        | -        | 9.35         |   | 0.33 |   |            |                 |            | 1        |              |               | 0.00      |      | 0.40         |          |   |   |          |   |          |   |  |
| -        | Mon 2/28/22                                  | 1.308                 |          | 7.5        |          | 9.32         |   | 0.4  |   | 4.2        |                 | 5.0        | + 1      |              | <             | 0.02      |      | 0.16         |          |   |   |          |   |          |   |  |
|          |  |                       |          |            |          |              |   |      |   |            |                 |            | 1 1      |              |               |           |      |              |          |   |   |          |   |          |   |  |
|          |  |                       |          |            |          |              |   |      |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
|          |  |                       |          |            |          |              |   |      |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
| 0, 11, 1 | ( DUD  |                       |          |            |          |              |   |      |   |            |                 |            |          |              |               |           |      |              |          |   |   |          |   |          |   |  |
| Statist  | cs for DMR Daily Minimum (Conc.):            |                       |          | 7.2        |          | 8.78         |   | 0.18 | < | 2          |                 | 5          | <        | 2            | <             | 0.02      | 1    | 0.11         |          |   |   |          | ı |          |   |  |
|          | Daily Maximum (Conc.):                       |                       |          | 7.7        |          | 9.85         |   | 0.18 | ` | 4.5        | H               | 12         | +        | 11           | $\rightarrow$ | 0.02      |      | 0.16         |          |   |   |          |   |          |   |  |
|          | Max Avg Weekly (Conc.):                      |                       |          |            |          | 9.34         |   | 0.4  |   | 4          |                 | 10         |          |              | <             | 0.09      |      | 0            | H        |   |   |          |   |          |   |  |
|          | Avg Monthly (Conc.):                         |                       |          |            |          | 9.23         |   | 0.3  | < | 3          |                 | 8          |          |              | <             | 0.06      |      | 0.14         |          |   |   |          |   |          |   |  |
|          | Geometric Mean (Conc.):                      | 4 750000              |          |            |          | 450          |   |      |   | 20         | Ш               | 440        | <        | 3            |               |           |      |              |          |   |   | Ш        |   |          |   |  |
|          | Max Avg Weekly (Load):                       | 1.758989              |          |            | $\vdash$ | 158          |   | 4    |   | 39         | $\vdash \vdash$ | 118        | + 1      |              | <             | 1         | H    | 2            | H        |   |   | <u> </u> |   | $\vdash$ |   |  |
|          | Avg Monthly (Load):<br>Total Monthly (Load): | 1.439262<br>40.299341 | $\vdash$ |            |          | 111<br>3097  |   | 106  | < | 33<br>930  | $\vdash$        | 82<br>2284 | +        |              | <             | 0.6<br>16 | H    | 1<br>40      | $\vdash$ |   |   |          |   |          |   |  |
|          | Daily Minimum (Load):                        | 1.066246              | $\vdash$ |            |          | 82           |   | 2    | < | 18         | H               | 51         | 1 1      |              | ~             | 0.2       | H    | 1            |          |   |   |          |   |          |   |  |
|          | Daily Maximum (Load):                        | 3.415732              |          |            |          | 255          |   | 7    |   | 50         | H               | 147        |          |              |               | 2         |      | 2            | H        |   |   |          |   |          |   |  |

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 flash information, including the possibility of fine and impresoment for knowledge. PLA C. S. § 4904 (relating to unsworn fastification).

| Prepared By: | Gene A. Lank II | License No.: | 246163    |
|--------------|-----------------|--------------|-----------|
| Title:       | Operator        | Date:        | 3/10/2022 |

001



TN Cap Load (lbs): 40,182

7-C

0.961

Watershed:

TN Delivery Ratio:

### CHESAPEAKE BAY SUPPLEMENTAL REPORT **ANNUAL NUTRIENT MONITORING**

O Industrial Waste

Sewage

✓ Continuous Discharge

Outfall:

2022

Middletown STP Facility Name: Municipality:

Middletown Borough County:

Compliance Year: Dauphin

PA0020664 NPDES Permit No.:

This permit will expire on: February 28, 2026

TP Cap Load (lbs): 5,358 TP Delivery Ratio: 0.436

|                      | FLOW/          |   | Total Disc |            | o (TD)            |   |        | NIII -                  |         |   |        |          |         |   | NO                         | NO ~~       | N .     |   | Total-Nii         |            | /TNI)   |
|----------------------|----------------|---|------------|------------|-------------------|---|--------|-------------------------|---------|---|--------|----------|---------|---|----------------------------|-------------|---------|---|-------------------|------------|---------|
| Sample Date          | FLOW<br>MGD    | Q | Total Phos | sporu<br>Q | s (TP)<br>lbs/day | Q | mg/L   | NH <sub>3</sub> -N<br>Q |         | Q | mg/L   | rkn<br>Q | lbs/day | Q | NO <sub>2</sub> +I<br>mg/L | NO₃ as<br>Q |         | Q | Total Nit<br>mg/L | rogen<br>Q |         |
| 10/1/21              | 1.519          | Ų | IIIg/L     | Ų          | ibs/uay           | Q | IIIg/L | Ų                       | ibs/uay | Ų | IIIg/L | Ų        | ibs/uay | Ų | IIIg/L                     | Ų           | ibs/uay | Ų | IIIg/L            | Q          | ibs/uay |
| 10/1/21              | 1.412          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 10/2/21              | 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          |   | V          |            | 1.0               |   | 0.02   |                         | 0.2     |   | 0.0    |          | 0.0     |   |                            |             |         |   | 2.02              |            |         |
| 10/7/21              | 1.338          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 10/8/21              | 1.326          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 10/9/21              | 1.234          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 10/10/21             | 1.256          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 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          |   |            |            |                   |   |        |                         | 4.0     |   |        |          |         |   |                            |             |         |   |                   | -          |         |
| 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<br>10/27/21 | 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<br>1.099 |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 10/28/21             | 2.570          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 10/29/21             | 1.607          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 10/30/21             | 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          |   | 0.20       |            | 2.0               |   | 0.02   |                         | V.2     |   | 1.0    |          | 10.0    |   |                            | T .         | 21.0    |   | 0.00              |            | 01.0    |
| 11/4/21              | 1.179          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 11/5/21              | 1.141          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 11/6/21              | 1.072          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 11/7/21              | 1.110          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 11/8/21              | 1.131          |   | 0.21       |            | 2.0               | < | 0.02   | <                       | 0.2     |   | 0.6    |          | 5.3     | < | 2.2                        | <           | 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                        | <           | 19.0    | < | 2.98              | <          | 25.5    |
| 11/10/21             | 1.024          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 11/11/21             | 1.099          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 11/12/21             | 1.674          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |
| 11/13/21             | 1.255          |   |            |            |                   |   |        |                         |         |   |        |          |         |   |                            |             |         |   |                   |            |         |

| 11/14/21 | 1.187 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
|----------|-------|------|---|-----|---|-------|-------------|-----|---|------|---|------|---|------|-------------|------|-------------|------|---|------|
|          |       | 0.47 |   | 4.0 |   | 0.00  |             | 0.0 |   | 0.5  |   | 4.0  |   | 0.4  |             | 00.4 | <b>!</b>    | 0.00 |   | 05.0 |
| 11/15/21 | 1.163 | 0.17 |   | 1.6 | < | 0.02  | <           | 0.2 | < | 0.5  | < | 4.8  | < | 2.1  | <           | 20.4 | <           | 2.60 | < | 25.2 |
| 11/16/21 | 1.050 | 0.14 |   | 1.2 | < | 0.02  | <           | 0.2 |   | 1.2  |   | 10.7 | < | 2.3  | <           | 20.0 | <           | 3.50 | < | 30.6 |
| 11/17/21 | 1.058 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 11/18/21 | 1.077 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 11/19/21 | 1.044 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 11/20/21 | 0.982 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 11/21/21 | 1.014 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 11/22/21 | 1.062 | 0.16 |   | 1.4 | < | 0.02  | <           | 0.2 |   | 0.9  |   | 7.8  | < | 1.9  | <           | 17.2 | <           | 2.82 | < | 25.0 |
| 11/23/21 | 0.929 | 0.15 |   | 1.2 |   | 0.13  |             | 1.0 |   | 0.6  |   | 4.5  | < | 1.9  | <           | 14.9 | <           | 2.50 | < | 19.4 |
| 11/24/21 | 0.955 |      |   |     |   | 21.12 |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 11/25/21 | 0.916 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 11/26/21 | 0.894 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 11/27/21 | 0.905 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
|          |       |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      | -           |      |   |      |
| 11/28/21 | 0.954 | 0.44 |   | 4.0 |   | 0.00  |             | 0.0 |   | 0.5  |   | 4.0  |   | 0.0  |             | 40.4 |             | 0.77 |   | 00.0 |
| 11/29/21 | 1.009 | 0.14 |   | 1.2 |   | 0.02  |             | 0.2 | < | 0.5  | < | 4.2  | < | 2.3  | <           | 19.1 | <           | 2.77 | < | 23.3 |
| 11/30/21 | 0.903 | 0.16 |   | 1.2 |   | 0.02  |             | 0.2 | < | 0.5  | < | 3.8  | < | 2.4  | <           | 17.7 | <           | 2.85 | < | 21.5 |
| 12/1/21  | 0.956 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/2/21  | 0.938 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/3/21  | 0.950 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/4/21  | 0.912 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/5/21  | 0.942 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/6/21  | 0.958 | 0.18 |   | 1.4 | < | 0.02  | <b>&gt;</b> | 0.2 |   | 0.8  |   | 6.5  | < | 2.2  | <b>&gt;</b> | 17.6 | <b>&lt;</b> | 3.01 | < | 24.0 |
| 12/7/21  | 0.906 | 0.14 |   | 1.1 | < | 0.02  | <           | 0.2 |   | 0.6  |   | 4.4  | < | 2.2  | <           | 16.9 | <           | 2.82 | < | 21.3 |
| 12/8/21  | 0.936 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/9/21  | 0.947 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/10/21 | 0.924 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/11/21 | 0.875 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/12/21 | 0.911 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/13/21 | 0.956 | 0.16 |   | 1.3 | < | 0.02  | <           | 0.2 |   | 1.1  |   | 8.4  | < | 2.2  | <           | 17.4 | <           | 3.24 | < | 25.8 |
| 12/14/21 | 0.874 | 0.19 |   | 1.4 |   | 0.05  |             | 0.4 |   | 0.8  |   | 6.0  | < | 2.0  | <           | 14.8 | <           | 2.86 | < | 20.8 |
| 12/15/21 | 0.908 | 0.10 |   | 1   |   | 0.00  |             | 0.4 |   | 0.0  |   | 0.0  | - | 2.0  | 1           | 14.0 |             | 2.00 |   | 20.0 |
| 12/16/21 | 0.888 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/17/21 | 0.880 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
|          |       |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/18/21 | 0.891 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/19/21 | 0.881 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/20/21 | 0.913 | 0.47 |   | 3.6 |   | 0.06  |             | 0.5 |   | 1.4  |   | 10.4 | < | 1.9  | <           | 14.8 | <           | 3.31 | < | 25.2 |
| 12/21/21 | 0.828 | 0.14 |   | 1.0 |   | 0.04  |             | 0.3 |   | 1.0  |   | 7.1  | < | 1.7  | <           | 11.6 | <           | 2.71 | < | 18.7 |
| 12/22/21 | 0.835 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/23/21 | 0.883 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/24/21 | 0.838 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/25/21 | 0.867 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/26/21 | 0.827 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/27/21 | 0.999 | 0.14 |   | 1.2 |   | 0.06  |             | 0.5 | < | 0.5  | < | 4.2  | < | 1.9  | <           | 15.6 | <           | 2.37 | < | 19.7 |
| 12/28/21 | 0.894 | 0.11 |   | 0.8 | < | 0.02  | <           | 0.1 |   | 0.8  |   | 5.8  | < | 1.9  | <           | 14.0 | <           | 2.66 | < | 19.8 |
| 12/29/21 | 0.895 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/30/21 | 0.890 |      | I |     |   |       |             | -   |   |      |   |      |   |      |             |      |             |      |   |      |
| 12/31/21 | 0.828 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 1/1/22   | 1.406 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 1/2/22   | 1.124 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 1/3/22   | 1.001 | 0.13 |   | 1.1 | < | 0.02  | <           | 0.2 |   | 0.82 |   | 6.8  | < | 1.89 | <           | 15.8 | <           | 2.71 | < | 22.6 |
| 1/4/22   | 0.889 | 0.15 |   | 1.1 | < | 0.02  | <           | 0.1 |   | 0.57 |   | 4.2  | < | 1.88 | <           | 13.9 | <           | 2.45 | < | 18.2 |
| 1/5/22   | 0.890 |      |   |     |   |       |             |     |   |      |   |      |   |      |             | ***  |             |      |   |      |
| 1/6/22   | 0.897 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 1/7/22   | 0.922 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 1/8/22   | 0.905 |      |   |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |
| 170122   | 0.000 |      | 1 |     |   |       |             |     |   |      |   |      |   |      |             |      |             |      |   |      |

| 1/0/22  | 1 200 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
|---------|-------|------|--------|-----|---|------|--------|-----|---|------|---|------|---|------|--------|------|----------|------|---------------|------|
| 1/9/22  | 1.209 | 0.17 |        |     |   | 0.00 |        |     |   | 4.40 |   | 40.5 |   |      |        | 07.1 |          | 1.00 |               |      |
| 1/10/22 | 1.058 | 0.17 |        | 1.5 |   | 0.02 |        | 0.2 |   | 1.19 |   | 10.5 | < | 3.07 | <      | 27.1 | <        | 4.26 | <             | 37.6 |
| 1/11/22 | 0.963 | 0.15 |        | 1.2 | < | 0.02 | <      | 0.2 |   | 1.12 |   | 9.0  | < | 3.05 | <      | 24.5 | <        | 4.17 | <             | 33.5 |
| 1/12/22 | 0.918 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/13/22 | 0.991 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/14/22 | 1.000 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/15/22 | 0.912 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/16/22 | 1.372 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/17/22 | 1.992 | 0.23 |        | 3.8 |   | 0.09 |        | 1.5 |   | 1.58 |   | 26.2 |   | 2.02 |        | 33.6 |          | 3.60 |               | 59.8 |
| 1/18/22 | 1.298 | 0.15 |        | 1.6 | < | 0.02 | <      | 0.2 |   | 0.91 |   | 9.9  | < | 1.89 | <      | 20.5 | <        | 2.80 | <             | 30.3 |
| 1/19/22 | 1.277 | 0.10 |        | 1.0 |   | 0.02 |        | 0.2 |   | 0.01 |   | 0.0  |   | 1.00 |        | 20.0 |          | 2.00 |               |      |
| 1/20/22 | 1.568 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               | -    |
|         |       |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      | -        |      |               |      |
| 1/21/22 | 1.243 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/22/22 | 1.223 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/23/22 | 1.197 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/24/22 | 1.156 | 0.13 |        | 1.3 | < | 0.02 | <      | 0.2 |   | 0.9  |   | 8.7  | < | 2.23 | <      | 21.5 | <        | 3.13 | <             | 30.2 |
| 1/25/22 | 1.064 | 0.12 |        | 1.1 | < | 0.02 | <      | 0.2 |   | 0.72 |   | 6.4  | < | 2.24 | <      | 19.9 | <        | 2.96 | <             | 26.3 |
| 1/26/22 | 1.046 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/27/22 | 1.067 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/28/22 | 1.072 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/29/22 | 1.018 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/30/22 | 1.046 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 1/31/22 | 1.036 | 0.14 |        | 1.2 |   | 0.2  |        | 1.7 | < | 0.5  | < | 4.3  | < | 2.46 | <      | 21.2 | <        | 2.96 | <             | 25.6 |
| 2/1/22  | 1.097 | 0.16 |        | 1.5 | < | 0.02 | <      | 0.2 |   | 1.35 |   | 12.3 | < | 2.52 | <      | 23.0 | <        | 3.87 | <             | 35.4 |
| 2/2/22  | 1.066 |      |        |     |   |      |        |     |   |      |   | 1-10 |   |      |        |      |          |      |               |      |
| 2/3/22  | 2.800 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/4/22  | 3.416 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/5/22  | 1.853 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/6/22  | 1.590 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/7/22  | 1.469 | 0.15 |        | 1.8 | < | 0.02 | <      | 0.2 |   | 0.86 |   | 10.5 | < | 2.17 | <      | 26.6 | <        | 3.03 | <             | 37.1 |
| 2/1/22  |       |      |        |     | _ |      |        |     |   |      |   | 10.5 | < | 2.17 | \<br>< |      | <        |      | <             |      |
|         | 1.328 | 0.14 |        | 1.6 |   | 0.15 |        | 1.7 |   | 0.86 |   | 9.5  | _ | 2.12 |        | 23.5 |          | 2.98 |               | 33.0 |
| 2/9/22  | 1.295 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/10/22 | 1.262 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      | -        |      |               |      |
| 2/11/22 | 1.204 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/12/22 | 1.122 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/13/22 | 1.233 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/14/22 | 1.160 | 0.14 |        | 1.4 | < | 0.02 | <      | 0.2 |   | 0.92 |   | 8.9  | < | 2.2  | <      | 21.3 | <        | 3.12 | <             | 30.2 |
| 2/15/22 | 1.088 | 0.13 |        | 1.2 |   | 0.11 |        | 1.0 |   | 1.25 |   | 11.3 | < | 2.32 | <      | 21.1 | <        | 3.57 | <             | 32.4 |
| 2/16/22 | 1.093 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/17/22 | 1.494 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/18/22 | 1.473 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/19/22 | 1.241 |      | $\Box$ |     |   |      | $\Box$ |     |   |      |   |      |   |      |        |      | $L^{-1}$ |      |               |      |
| 2/20/22 | 1.281 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/21/22 | 1.231 | 0.11 |        | 1.1 |   | 0.08 |        | 0.8 | < | 0.5  | < | 5.1  | < | 2.22 | <      | 22.8 | <        | 2.72 | <             | 27.9 |
| 2/22/22 | 1.189 | 0.13 |        | 1.3 | < | 0.02 | <      | 0.2 |   | 1.05 |   | 10.4 | < | 2.15 | <      | 21.3 | <        | 3.20 | <             | 31.7 |
| 2/23/22 | 1.120 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/24/22 | 1.340 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/25/22 | 1.807 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/26/22 | 1.418 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/27/22 | 1.323 |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 2/28/22 | 1.308 | 0.16 |        | 1.7 | < | 0.02 | <      | 0.2 |   | 0.83 |   | 9.1  | < | 2.25 | <      | 24.5 | <        | 3.08 | <             | 33.6 |
| 3/1/22  | 1.500 | 0.10 |        |     |   | 0.02 |        | V.Z |   | 0.00 |   | 0.1  |   | 2.20 |        | 27.0 |          | 0.00 | <del>  </del> |      |
| 3/2/22  |       |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      | $\vdash$      |      |
| 3/3/22  |       |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
| 3/4/22  |       |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |
|         |       |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      | 1             |      |
| 3/5/22  |       |      |        |     |   |      |        |     |   |      |   |      |   |      |        |      |          |      |               |      |

| 0.10.100 |      |                |      |  |  |  |  |   |  |   |   |
|----------|------|----------------|------|--|--|--|--|---|--|---|---|
| 3/6/22   |      |                |      |  |  |  |  |   |  |   |   |
| 3/7/22   |      |                |      |  |  |  |  |   |  |   |   |
| 3/8/22   |      |                |      |  |  |  |  |   |  |   |   |
| 3/9/22   |      |                |      |  |  |  |  |   |  |   |   |
| 3/10/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/11/22  |      |                |      |  |  |  |  |   |  |   |   |
|          |      |                |      |  |  |  |  |   |  |   |   |
| 3/12/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/13/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/14/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/15/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/16/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/17/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/18/22  |      |                |      |  |  |  |  |   |  |   |   |
| 0/40/00  |      |                |      |  |  |  |  |   |  |   |   |
| 3/19/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/20/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/21/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/22/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/23/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/24/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/25/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/26/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/20/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/27/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/28/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/29/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/30/22  |      |                |      |  |  |  |  |   |  |   |   |
| 3/31/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/1/22   |      |                |      |  |  |  |  |   |  |   |   |
| 4/2/22   |      |                |      |  |  |  |  |   |  |   |   |
| 4/3/22   |      |                |      |  |  |  |  |   |  |   |   |
| 4/3/22   |      |                |      |  |  |  |  |   |  |   |   |
| 4/4/22   |      |                |      |  |  |  |  |   |  |   |   |
| 4/5/22   |      |                |      |  |  |  |  |   |  |   |   |
| 4/6/22   |      |                |      |  |  |  |  |   |  |   |   |
| 4/7/22   |      |                |      |  |  |  |  |   |  |   |   |
| 4/8/22   |      |                |      |  |  |  |  |   |  |   |   |
| 4/9/22   |      |                |      |  |  |  |  |   |  |   |   |
| 4/10/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/11/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/11/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/12/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/13/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/14/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/15/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/16/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/17/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/18/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/19/22  |      | <del>   </del> |      |  |  |  |  |   |  |   |   |
|          |      |                |      |  |  |  |  |   |  |   |   |
| 4/20/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/21/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/22/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/23/22  |      | l I            |      |  |  |  |  | _ |  | T | 7 |
| 4/24/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/25/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/26/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/20/22  |      |                |      |  |  |  |  |   |  |   |   |
|          |      |                |      |  |  |  |  |   |  |   |   |
| 4/28/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/29/22  |      |                |      |  |  |  |  |   |  |   |   |
| 4/30/22  |      |                |      |  |  |  |  |   |  |   |   |
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| E/4/00    |  |  |  |  |  |  |  |  |          |          |                |   |
|-----------|--|--|--|--|--|--|--|--|----------|----------|----------------|---|
| 5/1/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/2/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/3/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/4/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/5/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/6/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/7/22    |  |  |  |  |  |  |  |  |          |          |                |   |
|           |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/8/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/9/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/10/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/11/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/12/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/13/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/14/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/15/22   |  |  |  |  |  |  |  |  |          |          |                |   |
|           |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/16/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/17/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/18/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/19/22   |  |  |  |  |  |  |  |  |          | <u> </u> | 1              | 7 |
| 5/20/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/21/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/22/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/23/22   |  |  |  |  |  |  |  |  |          |          |                |   |
|           |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/24/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/25/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/26/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/27/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/28/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/29/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/30/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5/31/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/1/22    |  |  |  |  |  |  |  |  |          |          |                |   |
|           |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/2/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/3/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/4/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/5/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/6/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/7/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/8/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/9/22    |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/10/22   |  |  |  |  |  |  |  |  |          |          |                |   |
|           |  |  |  |  |  |  |  |  | <b>-</b> |          |                |   |
| 6/11/22   |  |  |  |  |  |  |  |  | <b>-</b> |          |                |   |
| 6/12/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/13/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/14/22   |  |  |  |  |  |  |  |  | L        | <u> </u> |                |   |
| 6/15/22   |  |  |  |  |  |  |  |  |          |          |                | - |
| 6/16/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/17/22   |  |  |  |  |  |  |  |  | 1        |          |                |   |
| 6/18/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/19/22   |  |  |  |  |  |  |  |  | 1        |          | $\vdash$       |   |
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| 6/20/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/21/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/22/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/23/22   |  |  |  |  |  |  |  |  |          | <u> </u> |                | 7 |
| 6/24/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 6/25/22   |  |  |  |  |  |  |  |  |          |          |                |   |
| 5, _5, EE |  |  |  |  |  |  |  |  |          | l        |                |   |

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|---------|---|--|----------|---|--|--|--|-------|-------|--|---|---|--|
| 6/26/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 6/27/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 6/28/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 6/29/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 6/30/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/1/22  |   |  |          |   |  |  |  |       |       |  |   |   |  |
|         |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/2/22  |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/3/22  |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/4/22  |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/5/22  |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/6/22  |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/7/22  |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/8/22  |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/9/22  |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 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 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/17/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/18/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/19/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/20/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/21/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/22/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/23/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/24/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/24/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/25/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/26/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 7/27/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 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  |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 0/9/22  |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 8/10/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 8/11/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 8/12/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 8/13/22 |   |  |          | - |  |  |  |       |       |  |   |   |  |
| 8/14/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 8/15/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 8/16/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 0/10/22 |   |  |          |   |  |  |  |       |       |  | - |   |  |
| 8/17/22 |   |  | <b> </b> |   |  |  |  |       |       |  |   |   |  |
| 8/18/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 8/19/22 |   |  |          |   |  |  |  |       |       |  |   |   |  |
| 8/20/22 |   |  | l I      |   |  |  |  |       |       |  |   | T |  |
| -       | _ |  |          |   |  |  |  | <br>- | <br>• |  |   |   |  |

|                    | 17 / 18  | I | _oads (lbs): | 630 |   |      | < | 144 |   | _   | < | 2818 |   |      | < | 7398 |   |      | < | 10216 |
|--------------------|----------|---|--------------|-----|---|------|---|-----|---|-----|---|------|---|------|---|------|---|------|---|-------|
| Avg                | 1.167846 |   | 0.18         | 1.7 | < | 0.04 | < | 0.4 | < | 0.8 | < | 7.7  | < | 2.14 | < | 20.3 | < | 2.94 | < | 28    |
| 3/30/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   | ·     |
| 9/30/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/28/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/27/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/26/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/25/22<br>9/26/22 |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/24/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/23/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/22/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/21/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/20/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/19/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/18/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/17/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/16/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/15/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/14/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/13/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/12/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/11/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/10/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/9/22             |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/8/22             |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/7/22             |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/6/22             |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/5/22             |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/4/22             |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/3/22             |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 9/2/22             |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   | _    |   |       |
| 9/1/22             |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 8/31/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 8/30/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 8/29/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 8/28/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 8/27/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 8/26/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 8/25/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 8/24/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 8/23/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |
| 8/22/22            |          |   |              |     |   |      |   |     |   |     |   |      |   |      |   |      |   |      |   |       |

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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:        | 3/10/2022 |

### Monthly Total Mass Loads (lbs)

| <u>Month</u> | Total Phosphorus (TP) | NH <sub>3</sub> -N | <u>TKN</u> | NO <sub>2</sub> +NO <sub>3</sub> as N | 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        |                       |                    |            |                                       |                     |
| April        |                       |                    |            |                                       |                     |
| May          |                       |                    |            |                                       |                     |
| June         |                       |                    |            |                                       |                     |
| July         |                       |                    |            |                                       |                     |
| August       |                       |                    |            |                                       |                     |
| September    |                       |                    |            |                                       |                     |

### Average Monthly Concentrations (mg/L)

| <u>Month</u> | Total Phosphorus (TP) | NH <sub>3</sub> -N | <u>TKN</u> | NO <sub>2</sub> +NO <sub>3</sub> as N | Total Nitrogen (TN) |
|--------------|-----------------------|--------------------|------------|---------------------------------------|---------------------|
| 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        |                       |                    |            |                                       |                     |
| April        |                       |                    |            |                                       |                     |
| May          |                       |                    |            |                                       |                     |
| June         |                       |                    |            |                                       |                     |
| July         |                       |                    |            |                                       |                     |
| August       |                       |                    |            |                                       |                     |
| September    |                       |                    |            |                                       |                     |

| 3800-FM-E | 3CW0438 3/2012                         |
|-----------|--|
|           | nonneylyania                           |
|           | pennsylvania                           |
|           | DEDARTMENT OF ENVIRONMENTAL PROTECTION |

# SUPPLEMENTAL REPORT SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

|            | The second secon |                               |                                 |                       |                          |         |
|------------|--|-------------------------------|---------------------------------|-----------------------|--------------------------|---------|
| Facility N | ame: Middletown STP  |                               | Month: Feb                      | ruary                 | Year:                    | 2022    |
| Municipal  | lity: Middletown Borough   | County: <b>Dauphin</b>        | NPDES Perm                      | nit No.: PA           | 0020664                  |         |
| Watershe   | ed: <b>7-C</b>   |                               | Renewal app                     | lication due <u>1</u> | 80 days prior to expirat | iion    |
|            | <u> </u>   |                               | This permit w                   | vill expire on:       | February 28, 2026        |         |
|            | SEWAGE SLUDGE / BIO  | SOLIDS PRODUCTION INFORMATION | ON (Identify each off-site remo | oval event ar         | nd incineration event)   |         |
| Chec       | k here if there were no off-site remo  | oval events during the month  |                                 |                       |                          |         |
|            | Liquid Sewage Sludge/  | Biosolids Dewatered           | Sewage Sludge/Biosolids         |                       | Sewage Sludge/Biosolic   | ls      |
| Date       | Hauled Off-site  | e .                           | lauled Off-site                 | Dew                   | atered and Incinerated C | On-site |

|          | Liquid S | ewage Sludge/l  | Biosolids | Dewatered      | Sewage Sludg    | e/Biosolids | Sewage Sludge/Biosolids |                 |            |  |
|----------|----------|-----------------|-----------|----------------|-----------------|-------------|-------------------------|-----------------|------------|--|
| Date     |          | Hauled Off-site | ;         |                | Hauled Off-site | ;           | Dewatered               | l and Incinerat | ed On-site |  |
|          | Gallons  | % Solids        | Dry Tons  | Tons Dewatered | % Solids        | Dry Tons    | Tons Dewatered          | % Solids        | Dry Tons   |  |
| 02/02/22 |          |                 |           | 5.78           | 33.29           | 1.92        |                         |                 |            |  |
| 02/03/22 |          |                 |           | 5.93           | 32.72           | 1.94        |                         |                 |            |  |
| 02/09/22 |          |                 |           | 5.67           | 33.26           | 1.89        |                         |                 |            |  |
| 2/11/22  |          |                 |           | 5.95           | 31.46           | 1.87        |                         |                 |            |  |
| 02/16/22 |          |                 |           | 5.33           | 33.01           | 1.76        |                         |                 |            |  |
| 02/23/22 |          |                 |           | 5.49           | 32.74           | 1.80        |                         |                 |            |  |
| 02/24/22 |          |                 |           | 5.49           | 31.97           | 1.76        |                         |                 |            |  |
|          |          |                 |           |                |                 |             |                         |                 |            |  |
|          |          |                 |           |                |                 |             |                         |                 |            |  |
|          |          |                 |           |                |                 |             |                         |                 |            |  |
|          |          |                 |           |                |                 |             |                         |                 |            |  |
|          |          |                 |           |                |                 |             |                         |                 |            |  |
|          |          |                 |           |                |                 |             |                         |                 |            |  |
|          |          |                 |           |                |                 |             |                         |                 |            |  |
|          |          |                 |           |                |                 |             |                         |                 |            |  |

TOTAL: TOTAL: 12.934 TOTAL:

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

| Site Name                 | R. Cassel                |  |  |
|---------------------------|--------------------------|--|--|
| Municipality              | HUMMELSTOWN              |  |  |
| County                    | DAUPHIN                  |  |  |
| DEP Permit No.            | PAG07-3504               |  |  |
| Type of Material*         | Biosolids                |  |  |
| Dry Tons Applied/Disposed | 12.93                    |  |  |
| Type of Disposal/Use*     | Agricultural Utilization |  |  |
| Hauler Name               | BORO. MIDDLETOWN         |  |  |

<sup>\*</sup> See Instructions for explanation.

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

| Prepared By: | Gene A. Lank II | License No.: | 246163         |
|--------------|-----------------|--------------|----------------|
| Title:       | Operator        | Date:        | March 10, 2022 |

# February, 2022

|      | EFF   |      | M.J. Reider Composite Sample Test Results  BOD CBOD % SUSPENDED SOLIDS % TP FEC. NH3 NO2-NO3 TKN TN |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
|------|-------|------|---|------|--------|--------|------|---------|--------|--------|--------|------|-------|--------|-------|-------|------|--------|------|-------|-------|-------|
| DΑ   | FLOW  | В    | OD  | С    | BOD    | %Г     | S    | SUSPEND | ED SOL | .IDS   | %F     | -    | ГР    | FEC.   | NI    | H3    | NO   | 2-NO3  | T    | KN    |       | TN    |
| DATE | MGD   | INFL | .UENT   | EFF  | LUENT  | %Remov | INFL | UENT    | EFF    | LUENT  | %Remov | EFFL | .UENT | COLIF. | EFFL  | UENT  | EFF  | LUENT  | EFF  | LUENT | EFF   | LUENT |
|      | MGD   | mg/L | LBS.  | mg/L | LBS.   | SVOL   | mg/L | LBS.    | mg/L   | LBS.   | NOV    | mg/L | LBS.  | /100ml | mg/L  | LBS.  | mg/L | LBS.   | mg/L | LBS.  | mg/L  | LBS.  |
| 01   | 1.097 | 358  | 3,275   | <2.0 | <18.29 | 99.4   | 360  | 3,293   | 10.0   | 91.47  | 97.2   | 0.16 | 1.46  | <2     | <0.02 | <0.18 | <2.5 | <23.05 | 1.4  | 12.35 | <3.87 | <35.4 |
| 02   | 1.066 |      |   |      |        |        |      |         |        |        |        |      |       | <2     |       |       |      |        |      |       |       |       |
| 03   | 2.800 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 04   | 3.416 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 05   | 1.853 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 06   | 1.590 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 07   | 1.469 | 191  | 2,340   | 2.3  | 28.18  | 98.8   | 162  | 1,985   | 12.0   | 147.02 | 92.6   | 0.15 | 1.84  |        | <0.02 | <0.25 | <2.2 | <26.59 | 0.9  | 10.54 | <3.03 | <37.1 |
| 08   | 1.328 | 179  | 1,982   | 4.5  | 49.82  | 97.5   | 184  | 2,037   | 8.0    | 88.57  | 95.7   | 0.14 | 1.55  | 10     | 0.15  | 1.66  | <2.1 | <23.47 | 0.9  | 9.52  | <2.98 | <33.0 |
| 09   | 1.295 |      |   |      |        |        |      |         |        |        |        |      |       | 11     |       |       |      |        |      |       |       |       |
| 10   | 1.262 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 11   | 1.204 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 12   | 1.122 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 13   | 1.233 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 14   | 1.160 | 262  | 2,535   | 3.7  | 35.79  | 98.6   | 257  | 2,486   | 10.0   | 96.74  | 96.1   | 0.14 | 1.35  |        | <0.02 | <0.19 | <2.2 | <21.28 | 0.9  | 8.90  | <3.12 | <30.2 |
| 15   | 1.088 | 203  | 1,843   | 3.3  | 29.95  | 98.4   | 192  | 1,743   | 7.0    | 63.54  | 96.4   | 0.13 | 1.18  | <2     | 0.11  | 1.00  | <2.3 | <21.06 | 1.3  | 11.35 | <3.57 | <32.4 |
| 16   | 1.093 |      |   |      |        |        |      |         |        |        |        |      |       | <2     |       |       |      |        |      |       |       |       |
| 17   | 1.494 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 18   | 1.473 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 19   | 1.241 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 20   | 1.281 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 21   | 1.231 | 268  | 2,752   | 3.7  | 38.00  | 98.6   | 282  | 2,896   | 5.0    | 51.35  | 98.2   | 0.11 | 1.13  |        | 0.08  | 0.82  | <2.2 | <22.80 | <0.5 | <5.13 | <2.72 | <27.9 |
| 22   | 1.189 | 267  | 2,647   | 2.0  | 19.82  | 99.3   | 230  | 2,280   | 6.0    | 59.47  | 97.4   | 0.13 | 1.29  | <2     | <0.02 | <0.20 | <2.2 | <21.31 | 1.1  | 10.41 | <3.20 | <31.7 |
| 23   | 1.120 |      |   |      |        |        |      |         |        |        |        |      |       | 5      |       |       |      |        |      |       |       |       |
| 24   | 1.340 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 25   | 1.807 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 26   | 1.418 |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
| 27   | 1.323 |      |   |      |        |        |      |         |        |        |        |      |       |        | _     | _     |      |        |      | _     |       |       |
| 28   | 1.308 | 264  | 2,879   | 4.2  | 45.80  | 98.4   | 170  | 1,854   | 5.0    | 54.53  | 97.1   | 0.16 | 1.74  |        | <0.02 | <0.22 | <2.3 | <24.54 | 8.0  | 9.05  | <3.08 | <33.6 |
|      |       |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
|      |       |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |
|      |       |      |   |      |        |        |      |         |        |        |        |      |       |        |       |       |      |        |      |       |       |       |

# Daily Effluent Grab Monitoring / Weather

February 2022

| Date | Operator |       | nt Grab<br>e Time | р    | Н    | RPD   | Dissolved<br>(mg | d Oxygen<br>g/L) | RPD   | Total R<br>Chlorine | esidual<br>e (mg/L) | RPD   | Temp. | Influent<br>COD | Comments                  |
|------|----------|-------|-------------------|------|------|-------|------------------|------------------|-------|---------------------|---------------------|-------|-------|-----------------|---------------------------|
|      | Initials | Start | Finish            | #1   | #2   | %     | #1               | #2               | %     | #1                  | #2                  | %     | С     | mg/L            |                           |
| 01   | GL       | 0903  | 0903              | 7.50 | 7.50 | 0.00  | 9.45             | 9.46             | -0.11 | 0.30                | .29                 | 3.39  | 12.7  | 592.00          |                           |
| 02   | GL       | 0848  | 0848              | 7.50 | 7.50 | 0.00  | 9.44             | 9.42             | 0.21  | 0.34                | .34                 | .00   | 13.1  | 450.00          |                           |
| 03   | GL       | 0850  | 0850              | 7.40 | 7.40 | 0.00  | 9.05             | 9.04             | 0.11  | 0.30                | .30                 | .00   | 14.1  | 437.00          | STORM MODE STARTED @ 1115 |
| 04   | GL       | 0852  | 0852              | 7.20 | 7.20 | 0.00  | 8.95             | 8.93             | 0.22  | 0.18                | .17                 | 5.71  | 13.6  | 430.00          | STORM MODE                |
| 05   | GL       | 0750  | 0750              | 7.30 | 7.30 | 0.00  | 9.82             | 9.80             | 0.20  | 0.22                | .22                 | .00   | 11.6  |                 | STORM MODE                |
| 06   | GG       | 0856  | 0856              | 7.40 | 7.40 | 0.00  | 9.85             | 9.85             | 0.00  | 0.34                | .33                 | 2.99  | 11.7  |                 |                           |
| 07   | GL       | 0852  | 0852              | 7.30 | 7.30 | 0.00  | 9.35             | 9.35             | 0.00  | 0.20                | .19                 | 5.13  | 12.6  | 470.00          |                           |
| 08   | GL       | 0853  | 0853              | 7.40 | 7.40 | 0.00  | 9.39             | 9.38             | 0.11  | 0.31                | .30                 | 3.28  | 13.2  | 305.00          |                           |
| 09   | GL       | 0847  | 0847              | 7.50 | 7.50 | 0.00  | 9.35             | 9.32             | 0.32  | 0.35                | .35                 | .00   | 13.3  | 372.00          |                           |
| 10   | GL       | 0855  | 0855              | 7.40 | 7.40 | 0.00  | 9.02             | 9.00             | 0.22  | 0.26                | .26                 | .00   | 14.4  | 420.00          |                           |
| 11   | GL       | 0856  | 0856              | 7.40 | 7.40 | 0.00  | 9.02             | 9.00             | 0.22  | 0.32                | .30                 | 6.45  | 13.9  | 599.00          |                           |
| 12   | GL       | 0748  | 0748              | 7.40 | 7.40 | 0.00  | 8.92             | 8.90             | 0.22  | 0.35                | .35                 | .00   | 14.0  |                 |                           |
| 13   | GG       | 0830  | 0830              | 7.70 | 7.70 | 0.00  | 9.10             | 9.10             | 0.00  | 0.51                | .51                 | .00   | 13.8  |                 |                           |
| 14   | GL       | 0916  | 0916              | 7.50 | 7.50 | 0.00  | 9.17             | 9.15             | 0.22  | 0.33                | .34                 | -2.99 | 13.1  | 570.00          |                           |
| 15   | GL       | 0847  | 0847              | 7.50 | 7.50 | 0.00  | 9.45             | 9.43             | 0.21  | 0.42                | .41                 | 2.41  | 12.6  | 473.00          |                           |
| 16   | GL       | 0848  | 0848              | 7.50 | 7.50 | 0.00  | 9.40             | 9.38             | 0.21  | 0.42                | .41                 | 2.41  | 13.2  | 393.00          |                           |
| 17   | GL       | 0852  | 0852              | 7.50 | 7.50 | 0.00  | 8.97             | 8.95             | 0.22  | 0.35                | .35                 | .00   | 14.7  | 501.00          | STORM MODE OVERNIGHT      |
| 18   | GL       | 0846  | 0846              | 7.40 | 7.40 | 0.00  | 8.89             | 8.90             | -0.11 | 0.40                | .41                 | -2.47 | 14.1  | 446.00          |                           |
| 19   | GL       | 0750  | 0750              | 7.50 | 7.50 | 0.00  | 9.21             | 9.20             | 0.11  | 0.34                | .33                 | 2.99  | 13.5  |                 |                           |
| 20   | GG       | 0856  | 0856              | 7.40 | 7.50 | -1.34 | 9.40             | 9.40             | 0.00  | 0.35                | .32                 | 8.96  | 12.6  |                 |                           |
| 21   | GL       | 0850  | 0850              | 7.40 | 7.40 | 0.00  | 9.23             | 9.23             | 0.00  | 0.32                | .33                 | -3.08 | 13.3  | 517.00          |                           |
| 22   | GL       | 0850  | 0850              | 7.40 | 7.40 | 0.00  | 9.04             | 9.05             | -0.11 | 0.32                | .31                 | 3.17  | 14.0  | 428.00          |                           |
| 23   | GL       | 0846  | 0846              | 7.50 | 7.50 | 0.00  | 8.78             | 8.77             | 0.11  | 0.29                | .29                 | .00   | 14.9  | 506.00          |                           |
| 24   | GL       | 0847  | 0847              | 7.50 | 7.50 | 0.00  | 9.08             | 9.08             | 0.00  | 0.29                | .27                 | 7.14  | 14.6  | 450.00          |                           |
| 25   | GL       | 0847  | 0847              | 7.40 | 7.40 | 0.00  | 9.03             | 9.04             | -0.11 | 0.28                | .27                 | 3.64  | 13.9  |                 | STORM MODE STARTED @ 0938 |
| 26   | GL       | 0750  | 0750              | 7.40 | 7.40 | 0.00  | 9.36             | 9.35             | 0.11  | 0.38                | .37                 | 2.67  | 13.4  |                 |                           |
| 27   | GG       | 0815  | 0815              | 7.40 | 7.50 | -1.34 | 9.35             | 9.34             | 0.11  | 0.33                | .34                 | -2.99 | 13.5  |                 |                           |
| 28   | GL       | 0845  | 0845              | 7.50 | 7.50 | 0.00  | 9.32             | 9.30             | 0.21  | 0.40                | .40                 | .00   | 13.7  | 442.00          |                           |
|      |          |       |                   |      |      |       |                  |                  |       |                     |                     |       |       |                 |                           |
|      |          |       |                   |      |      |       |                  |                  |       |                     |                     |       |       |                 |                           |

# Process Control

February 2022

|     | replically |        |       |      |        |         |       |       |      |      |      |         |      | 2022 |      |
|-----|------------|--------|-------|------|--------|---------|-------|-------|------|------|------|---------|------|------|------|
| /   |            | DITC   |       |      | RAS    |         | WASTE |       |      |      | SET  | TLING T | TEST | BLAN | KETS |
| DAY | 7          | ΓS     | VS    | 3    | TS     | Gallons | Lbs   | SRT   | RR   | F/M  | MINU | JTES    | SVI  | C1   | C2   |
|     | mg/L       | lbs    | mg/L  | %    | mg/L   | Gallons | LDS   | Days  |      |      | 5    | 30      | 9    | AM   | AM   |
| 01  | 5,107      | 62,188 | 3,575 | 70.0 | 10,378 | 20,000  | 1,731 | 25.15 | 3.22 | 0.05 | 930  | 570     | 112  | 12   | 11   |
| 02  | 4,795      | 58,380 | 3,425 | 71.4 | 9,060  | 22,000  | 1,662 | 25.09 | 3.68 | 0.04 | 920  | 560     | 117  | 12   | 12   |
| 03  | 4,648      | 56,595 | 3,271 | 70.4 | 9,534  | 20,000  | 1,590 | 25.04 | 4.27 | 0.04 | 910  | 550     | 118  | 12   | 12   |
| 04  | 4,777      | 58,161 | 3,412 | 71.4 | 9,715  | 20,000  | 1,620 | 25.64 | 3.75 | 0.11 | 930  | 560     | 117  | 17   | 17   |
| 05  |            |        |       |      |        | 20,000  |       |       |      |      |      |         |      | 12   | 15   |
| 06  |            |        |       |      |        | 20,000  |       |       |      |      |      |         |      | 10   | 12   |
| 07  | 4,966      | 60,465 | 3,596 | 72.4 | 9,270  | 22,000  | 1,701 | 25.74 | 3.40 | 0.05 | 930  | 580     | 117  | 12   | 12   |
| 80  | 4,912      | 59,810 | 3,557 | 72.4 | 10,015 | 20,000  | 1,671 | 25.93 | 3.61 | 0.04 | 910  | 570     | 116  | 7    | 11   |
| 09  | 5,016      | 61,072 | 3,632 | 72.4 | 9,296  | 23,000  | 1,783 | 24.80 | 3.60 | 0.04 | 920  | 590     | 118  | 12   | 15   |
| 10  | 4,837      | 58,894 | 3,455 | 71.4 | 8,972  | 22,000  | 1,646 | 25.56 | 3.65 | 0.05 | 910  | 560     | 116  | 15   | 15   |
| 11  | 5,148      | 62,690 | 3,604 | 70.0 | 10,828 | 20,000  | 1,806 | 24.30 | 3.80 | 0.06 | 910  | 570     | 111  | 12   | 12   |
| 12  |            |        |       |      |        | 20,000  |       |       |      |      |      |         |      | 14   | 12   |
| 13  |            |        |       |      |        | 20,000  |       |       |      |      |      |         |      | 12   | 10   |
| 14  | 4,666      | 56,820 | 3,457 | 74.1 | 9,719  | 20,000  | 1,621 | 25.96 | 3.68 | 0.06 | 910  | 550     | 118  | 12   | 8    |
| 15  | 4,802      | 58,470 | 3,430 | 71.4 | 9,231  | 21,000  | 1,617 | 25.83 | 3.24 | 0.05 | 920  | 560     | 117  | 8    | 8    |
| 16  | 4,961      | 60,403 | 3,592 | 72.4 | 10,559 | 20,000  | 1,761 | 24.84 | 3.49 | 0.04 | 920  | 560     | 113  | 14   | 11   |
| 17  | 5,277      | 64,261 | 3,745 | 71.0 | 11,294 | 20,000  | 1,884 | 24.21 | 3.52 | 0.05 | 920  | 550     | 104  | 12   | 12   |
| 18  | 4,987      | 60,725 | 3,611 | 72.4 | 11,846 | 18,000  | 1,778 | 24.73 | 3.90 | 0.06 | 910  | 560     | 112  | 12   | 24   |
| 19  |            |        |       |      |        | 20,000  |       |       |      |      |      |         |      | 12   | 30   |
| 20  |            |        |       |      |        | 20,000  |       |       |      |      |      |         |      | 14   | 18   |
| 21  | 4,770      | 58,082 | 3,407 | 71.4 | 9,091  | 21,000  | 1,592 | 26.06 | 3.87 | 0.06 | 920  | 590     | 124  | 12   | 12   |
| 22  | 4,828      | 58,783 | 3,448 | 71.4 | 9,077  | 22,000  | 1,665 | 25.21 | 4.00 | 0.05 | 920  | 600     | 124  | 12   | 13   |
| 23  | 4,995      | 60,819 | 3,617 | 72.4 | 9,026  | 23,000  | 1,731 | 25.44 | 4.00 | 0.05 | 900  | 560     | 112  | 12   | 12   |
| 24  | 5,022      | 61,146 | 3,636 | 72.4 | 8,776  | 23,000  | 1,683 | 26.30 | 4.08 | 0.04 | 930  | 620     | 123  | 12   | 12   |
| 25  | 4,966      | 60,465 | 3,596 | 72.4 | 11,057 | 20,000  | 1,844 | 23.74 | 3.79 | 0.05 | 910  | 560     | 113  | 15   | 15   |
| 26  |            |        |       |      |        | 20,000  |       |       |      |      |      |         |      | 16   | 14   |
| 27  |            |        |       |      |        | 20,000  |       |       |      |      |      |         |      | 15   | 12   |
| 28  | 4,988      | 60,735 | 3,268 | 65.5 | 10,025 | 20,000  | 1,672 | 23.80 | 4.50 | 0.06 | 920  | 590     | 118  | 12   | 12   |
|     |            |        |       |      |        |         |       |       |      |      |      |         |      |      |      |
|     |            |        |       |      |        |         |       |       |      |      |      |         |      |      |      |
|     |            |        |       |      |        |         |       |       |      |      |      |         |      |      |      |
| AVG | 4,923      | 59,948 | 3,517 | 71.4 | 9,838  | 20,607  | 1,703 | 25.2  | 3.75 | 0.05 | 918  | 571     | 116  | 12   | 14   |

## **PA MIDDLETOWN WWTP**

# THICKENER MONTHLY REPORT

February 2022

|       | RUN  | F       | EED SLUDGE |        | DISC    | HARGE SLUD | GE     | POLYMER |
|-------|------|---------|------------|--------|---------|------------|--------|---------|
| DATE  | TIME | GALLONS | % SOLIDS   | LBS.   | GALLONS | % SOLIDS   | LBS.   | GALLONS |
| 01    | 4.50 | 58,646  | 0.99       | 4,842  | 13,464  | 5.30       | 5,951  | 4       |
| 02    |      |         |            |        |         |            |        |         |
| 03    | 2.00 | 26,106  | 1.02       | 2,221  | 5,049   | 5.69       | 2,396  | 2       |
| 04    | 5.00 | 64,286  | 0.98       | 5,254  | 11,781  | 5.23       | 5,139  | 5       |
| 05    |      |         |            |        |         |            |        |         |
| 06    |      |         |            |        |         |            |        |         |
| 07    | 5.25 | 66,632  | 1.04       | 5,779  | 13,464  | 5.47       | 6,142  | 6       |
| 08    |      |         |            |        |         |            |        |         |
| 09    |      |         |            |        |         |            |        |         |
| 10    | 2.00 | 24,980  | 1.01       | 2,104  | 5,049   | 5.57       | 2,345  | 3       |
| 11    | 4.50 | 58,048  | 0.97       | 4,696  | 10,098  | 5.55       | 4,674  | 5       |
| 12    |      |         |            |        |         |            |        |         |
| 13    |      |         |            |        |         |            |        |         |
| 14    | 5.00 | 63,544  | 0.94       | 4,982  | 10,098  | 5.65       | 4,758  | 5       |
| 15    |      |         |            |        |         |            |        |         |
| 16    |      |         |            |        |         |            |        |         |
| 17    | 2.00 | 27,036  | 0.97       | 2,187  | 3,366   | 5.11       | 1,435  | 2       |
| 18    | 4.50 | 57,334  | 0.97       | 4,638  | 10,098  | 5.11       | 4,304  | 5       |
| 19    |      |         |            |        |         |            |        |         |
| 20    |      |         |            |        |         |            |        |         |
| 21    | 5.00 | 60,220  | 1.01       | 5,073  | 16,830  | 4.70       | 6,597  | 7       |
| 22    |      |         |            |        |         |            |        |         |
| 23    |      |         |            |        |         |            |        |         |
| 24    | 2.25 | 27,908  | 1.03       | 2,397  | 3,366   | 5.54       | 1,555  | 4       |
| 25    | 5.25 | 67,140  | 1.03       | 5,767  | 13,464  | 5.54       | 6,221  | 9       |
| 26    |      |         |            |        |         |            |        |         |
| 27    |      |         |            |        |         |            |        |         |
| 28    | 5.00 | 67,314  | 0.91       | 5,109  | 15,147  | 5.91       | 7,466  | 8       |
|       |      |         |            |        |         |            |        |         |
|       |      |         |            |        |         |            |        |         |
|       |      |         |            |        |         |            |        |         |
| TOTAL | 52   | 669,194 | 12.87      | 55,049 | 131,274 | 70.37      | 58,983 | 65      |

REVISED 7/17/14

February 2022

| 1 0010   | ATAD TIME and TEMPERATURE  Thickener ATAD Level ATAD Feed ATAD ATAD ATAD to SNDR |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
|----------|--|-------|---------|--------|---------|-------|-------|--------|------|---------|----------|-------|-------|---------|-------|---------------|---------|--------|-------|---------|
|          |  |       | Th      |        |         |       | AT    | AD Le  | vel  |         | ATAD Fee | ed    | AT    | AD      |       |               | P       | TAD to | SNDR  |         |
|          |  | End   | of feed | Disch. | (ATAD F | Feed) |       | After  |      |         |          |       | End o | of feed |       | Minimum       |         | S      | tart  |         |
| Data     | Operator   |       |         |        |         |       |       |        |      |         | TS       | VS    | Avg   |         | Т     | ill Transfer  |         |        |       |         |
| Date     | rato   | Temp. | Feed    | TS     | VS      | VS    | Start | Trans. | Feed | Gallons | 10       | ٧٥    | Temp. | Time    |       |               | Date    | Time   | Temp. | Gallons |
|          | or .   |       |         |        |         |       |       |        |      |         |          |       | Since |         |       |               |         | Tillle | remp. |         |
|          |  | ۰F    | Gals.   | mg/L   | mg/L    | %     | Ft    | Ft     | Ft   |         | Lbs.     | Lbs.  | °F    | 24 HR   | Hours | Date/Time     |         |        | ۰F    |         |
| 02/01/22 | GG   | 127.3 | 58,646  | 53,029 | 40,651  | 76.7  | 9.0   | 9.0    | 9.8  | 13,464  | 5,955    | 4,565 | 127.3 | 11:45   | 46.5  | 2/3/22 10:15  |         |        |       |         |
| 02/02/22 |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
| 02/03/22 | GG   | 131.8 | 26,106  | 56,883 | 45,486  | 80.0  | 9.8   | 9.3    | 9.6  | 5,049   | 2,395    | 1,915 | 129.3 | 13:15   | 32.5  | 2/4/22 21:45  | 2/3/22  | 6:15   | 133.8 | 8,415   |
| 02/04/22 | GG   | 129.9 | 64,286  | 52,260 | 40,371  | 77.3  | 9.6   | 9.6    | 10.3 | 11,781  | 5,135    | 3,967 | 129.9 | 12:10   | 29.2  | 2/5/22 17:21  |         |        |       |         |
| 02/05/22 |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
| 02/06/22 |  |       |         |        |         |       | 10.3  | 9.3    | 9.3  |         |          |       |       |         |       |               | 2/6/22  | 9:45   | 136.1 | 16,830  |
| 02/07/22 | GG   | 131.5 | 66,632  | 54,653 | 42,520  | 77.8  | 9.3   | 9.3    | 10.1 | 13,464  | 6,137    | 4,775 | 132.3 | 12:40   | 19.0  | 2/8/22 7:39   |         |        |       |         |
| 02/08/22 |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
| 02/09/22 |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
| 02/10/22 | CK   | 137.0 | 24,980  | 55,698 | 44,086  | 79.2  | 10.0  | 9.3    | 9.6  | 5,049   | 2,345    | 1,856 | 133.7 | 13:45   | 14.8  | 2/11/22 4:32  | 2/10/22 | 6:15   | 139.5 | 11,781  |
| 02/11/22 | CH/GL  | 135.0 | 58,048  | 55,478 | 42,515  | 76.6  | 9.5   | 9.5    | 10.1 | 10,098  | 4,672    | 3,580 | 135.0 | 11:40   | 11.7  | 2/11/22 23:22 |         |        |       |         |
| 02/12/22 |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
| 02/13/22 |  |       |         |        |         |       | 10.0  | 9.3    | 9.3  |         |          |       |       |         |       |               | 2/13/22 | 9:25   | 139.4 | 11,781  |
| 02/14/22 | GG   | 135.5 | 63,544  | 56,523 | 43,950  | 77.8  | 9.3   | 9.3    | 9.9  | 10,098  | 4,760    | 3,701 | 136.1 | 12:15   | 9.6   | 2/14/22 21:52 |         |        |       |         |
| 02/15/22 |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
| 02/16/22 |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
| 02/17/22 | CK/GG  | 138.6 | 27,036  | 51,068 | 39,655  | 77.7  | 9.9   | 9.0    | 9.2  | 3,366   | 1,434    | 1,113 | 136.5 | 10:45   | 9.0   | 2/17/22 19:42 | 2/17/22 | 6:10   | 141.4 | 15,147  |
| 02/18/22 | CK   | 136.1 | 57,334  | 51,068 | 39,655  | 77.7  | 9.2   | 9.2    | 9.8  | 10,098  | 4,301    | 3,340 | 139.4 | 11:30   | 5.3   | 2/18/22 16:49 |         |        |       |         |
| 02/19/22 |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
| 02/20/22 |  |       |         |        |         |       | 9.8   | 9.0    | 9.0  |         |          |       |       |         |       |               | 2/20/22 | 9:35   | 140.6 | 13,464  |
| 02/21/22 | GG   | 133.1 | 60,220  | 47,047 | 36,168  | 76.9  | 9.0   | 9.0    | 10.0 | 16,830  | 6,604    | 5,077 | 137.1 | 12:15   | 8.0   | 2/21/22 20:17 |         |        |       |         |
| 02/22/22 |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
| 02/23/22 |  |       |         |        |         |       | 10.0  | 9.0    | 9.0  |         |          |       |       |         |       |               | 2/23/22 | 12:37  | 139.5 | 16,830  |
| 02/24/22 | GG   | 137.4 | 27,908  | 55,357 | 42,832  | 77.4  | 9.0   | 9.0    | 9.2  | 3,366   | 1,554    | 1,202 | 134.8 | 13:30   | 12.1  | 2/25/22 1:38  |         |        |       |         |
| 02/25/22 | GG   | 134.0 | 67,140  | 55,357 | 42,832  | 77.4  | 9.2   | 9.2    | 10.0 | 13,464  | 6,216    | 4,810 | 134.8 | 12:30   | 12.1  | 2/26/22 0:38  |         |        |       |         |
| 02/26/22 |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
| 02/27/22 |  |       |         |        |         |       | 9.8   | 8.6    | 8.6  |         |          |       |       |         |       |               | 2/27/22 | 9:20   | 139.1 | 20,196  |
| 02/28/22 | GG   | 133.8 | 67,314  | 59,109 | 45,609  | 77.2  | 8.6   | 8.6    | 9.5  | 15,147  | 7,467    | 5,762 | 135.4 | 12:15   | 10.9  | 2/28/22 23:09 |         |        |       |         |
|          |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
|          |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
|          |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |
|          |  |       |         |        |         |       |       |        |      |         |          |       |       |         |       |               |         |        |       |         |

February 2022

| rebiua               | <u>. )                                   </u> | ATAD tra     | ansfer to S         | NDR SRT   |                 | Centrifuge Data |          |                 |        |          |      | 2022  |       |
|----------------------|---|--------------|---------------------|-----------|-----------------|-----------------|----------|-----------------|--------|----------|------|-------|-------|
|                      |   |              | AT                  |           |                 |                 |          |                 |        | <u> </u> |      |       |       |
|                      |   |              |                     |           |                 |                 |          |                 |        |          | SNDR |       |       |
|                      | 0   |              |                     |           | Waste           | SRT             | 0        | Centifuge       |        |          |      | Disch | narge |
| Date                 | Operator                                      | Total Solids | Transfer<br>Gallons | ATAD Tank | ATAD to<br>SNDR | SKI             | Operator | Feed<br>Gallons | TS     | VS       | VS   | TS    | VS    |
|                      |   | mg/L         | Gallons             | Pounds    | Pounds          | Days            |          |                 | mg/L   | mg/L     | %    | Lbs.  | Lbs.  |
| 02/01/22             |   |              |                     |           |                 | ,               |          |                 |        |          |      |       | Ì     |
| 02/02/22             |   |              |                     |           |                 |                 | GG       | 18,099          | 25,482 | 13,602   | 53.4 | 3846  | 2053  |
| 02/03/22             | GL  | 26,752       | 8,415               | 36,799    | 1,877           | 19.60           | GG       | 18,168          | 25,602 | 13,564   | 53.0 | 3879  | 2055  |
| 02/04/22             | 02  | 20,702       | 0,110               | 00,100    | 1,077           | 10.00           | 00       | 10,100          | 20,002 | 10,001   | 00.0 | 0010  |       |
| 02/04/22             |   |              |                     |           |                 |                 |          |                 |        |          |      |       |       |
| 02/06/22             | GG  | 26,275       | 16,830              | 37,987    | 3,688           | 10.30           |          |                 |        |          |      |       |       |
| 02/07/22             |   | ,            | ,                   | ,         |                 |                 |          |                 |        |          |      |       |       |
| 02/08/22             |   |              |                     |           |                 |                 |          |                 |        |          |      |       |       |
| 02/09/22             |   |              |                     |           |                 |                 | CK       | 17,862          | 25,256 | 13,311   | 52.7 | 3762  | 1983  |
| 02/10/22             | GL  | 26,030       | 11,781              | 36,536    | 2,558           | 14.29           | CK       | 18,097          | 24,849 | 13,115   | 52.8 | 3750  | 1979  |
| 02/11/22             |   |              |                     |           |                 |                 |          |                 |        |          |      |       |       |
| 02/12/22             |   |              |                     |           |                 |                 |          |                 |        |          |      |       | 1     |
| 02/13/22             | GG  | 26,262       | 11,781              | 36,862    | 2,580           | 14.29           |          |                 |        |          |      |       |       |
| 02/14/22             |   |              |                     |           |                 |                 |          |                 |        |          |      |       |       |
| 02/15/22             |   |              |                     |           |                 |                 |          |                 |        |          |      |       |       |
| 02/16/22             |   |              |                     |           |                 |                 | GG       | 17,029          | 24,808 | 13,174   | 53.1 | 3523  | 1871  |
| 02/17/22             | GL  | 26,288       | 15,147              | 36,529    | 3,321           | 11.00           |          |                 |        |          |      |       |       |
| 02/18/22             |   |              |                     |           |                 |                 |          |                 |        |          |      |       |       |
| 02/19/22             |   |              |                     |           |                 |                 |          |                 |        |          |      |       |       |
| 02/20/22             | GG  | 25,878       | 13,464              | 35,596    | 2,906           | 12.25           |          |                 |        |          |      |       |       |
| 02/21/22             |   |              |                     |           |                 |                 |          |                 |        |          |      |       |       |
| 02/22/22             | 01  | 05.054       | 40.000              | 00.000    | 0.004           | 40.00           | 00       | 47.000          | 04.774 | 40.005   | 50.4 | 0500  | 4000  |
| 02/23/22             | GL  | 25,654       | 16,830              | 36,009    | 3,601           | 10.00           | GG       | 17,383          | 24,774 | 12,985   | 52.4 | 3592  | 1882  |
| 02/24/22             |   |              |                     |           |                 |                 | GG       | 17,265          | 24,382 | 12,878   | 52.8 | 3511  | 1854  |
| 02/25/22<br>02/26/22 |   |              |                     |           |                 |                 | <u> </u> |                 |        |          |      |       |       |
| 02/26/22             | GG  | 25,979       | 20,196              | 35,735    | 4,376           | 8.17            |          |                 |        |          |      |       |       |
| 02/28/22             | 96  | 25,818       | 20, 190             | 33,733    | 4,370           | 0.17            |          |                 |        |          |      |       |       |
| ULIZUIZZ             |   |              |                     |           |                 |                 |          |                 |        |          |      |       |       |
|                      |   |              |                     |           |                 |                 |          |                 |        |          |      |       |       |
|                      |   |              |                     |           |                 |                 |          |                 |        |          |      |       |       |
|                      |   |              |                     |           |                 | l               |          |                 |        |          |      |       |       |

### Centrifuge Monthly Report

February 2022

|      | Run Time | Feed S  | Sludge   | Cent                 | rifuge Cake | ;        | Lin            | ne             | Polymer          | Alum             | SN  | IDR   | Copper        |
|------|----------|---------|----------|----------------------|-------------|----------|----------------|----------------|------------------|------------------|-----|-------|---------------|
| Date | Hours    | Gallons | % Solids | Pounds Dry<br>Solids | Dry Tons    | % Solids | Pounds<br>Used | Pounds/<br>Ton | Total<br>Gallons | Total<br>Gallons | pН  | Level | Conc.<br>mg/l |
| 01   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 02   | 4.00     | 18,099  | 2.55     | 3,849                | 1.92        | 33.3     | 708            | 368            | 14               | 37               | 6.0 | 9.5   |               |
| 03   | 3.75     | 18,168  | 2.56     | 3,879                | 1.94        | 32.7     | 664            | 342            | 14               | 37               | 5.9 | 9.1   |               |
| 04   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 05   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 06   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 07   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 80   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 09   | 3.75     | 17,862  | 2.53     | 3,769                | 1.88        | 33.3     | 664            | 352            | 9                | 33               | 5.9 | 9.1   |               |
| 10   | 4.00     | 18,097  | 2.48     | 3,743                | 1.87        | 31.5     | 708            | 378            | 11               | 37               | 6.2 | 8.9   |               |
| 11   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 12   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 13   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 14   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 15   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 16   | 3.75     | 17,029  | 2.48     | 3,522                | 1.76        | 33.0     | 664            | 377            | 14               | 33               | 5.9 | 8.8   |               |
| 17   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 18   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 19   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 20   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 21   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 22   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 23   | 3.75     | 17,383  | 2.48     | 3,595                | 1.80        | 32.7     | 664            | 369            | 14               | 37               | 6.0 | 9.7   |               |
| 24   | 3.50     | 17,265  | 2.44     | 3,513                | 1.76        | 32.0     | 620            | 353            | 14               | 45               | 6.4 | 9.8   |               |
| 25   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 26   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 27   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
| 28   |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
|      |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
|      |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
|      |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |
|      |          |         |          |                      |             |          |                |                |                  |                  |     |       |               |

REVISED 7/17/14

## PA MIDDLETOWN WWTP

February, 2022

### **BIOSOLIDS INVENTORY**

| DATE        | DRY T     | TONS      | ТО         | USE         | TOTAL ON SITE |
|-------------|-----------|-----------|------------|-------------|---------------|
| DATE        | PROCESSED | DELIVERED | 10         | USE         | TOTAL ON SITE |
| 02/01/22    |           |           |            |             |               |
| 02/02/22    | 1.92      | 1.92      | Bob Cassel | Agriculture | 0.00          |
| 02/03/22    | 1.94      | 1.94      | Bob Cassel | Agriculture | 0.00          |
| 02/04/22    |           |           |            |             |               |
| 02/05/22    |           |           |            |             |               |
| 02/06/22    |           |           |            |             |               |
| 02/07/22    |           |           |            |             |               |
| 02/08/22    |           |           |            |             |               |
| 02/09/22    | 1.88      | 1.88      | Bob Cassel | Agriculture | 0.00          |
| 02/10/22    | 1.87      |           |            |             | 1.87          |
| 02/11/22    |           | 1.87      | Bob Cassel | Agriculture | 0.00          |
| 02/12/22    |           |           |            |             |               |
| 02/13/22    |           |           |            |             |               |
| 02/14/22    |           |           |            |             |               |
| 02/15/22    |           |           |            |             |               |
| 02/16/22    | 1.76      | 1.76      | Bob Cassel | Agriculture | 0.00          |
| 02/17/22    |           |           |            |             |               |
| 02/18/22    |           |           |            |             |               |
| 02/19/22    |           |           |            |             |               |
| 02/20/22    |           |           |            |             |               |
| 02/21/22    |           |           |            |             |               |
| 02/22/22    |           |           |            |             |               |
| 02/23/22    | 1.80      | 1.80      | Bob Cassel | Agriculture | 0.00          |
| 02/24/22    | 1.76      | 1.76      | Bob Cassel | Agriculture | 0.00          |
| 02/25/22    |           |           |            |             |               |
| 02/26/22    |           |           |            |             |               |
| 02/27/22    |           |           |            |             |               |
| 02/28/22    |           |           |            |             |               |
|             |           |           |            |             |               |
| Total Tons  | 12.93     | 12.93     |            | Total Tons  | 1.87          |
| Metric Tons | 11.73     | 11.73     |            | Metric Tons | 1.70          |

### **PA MIDDLETOWN WWTP**

## **BIOSOLIDS INVENTORY**

| DATE      | Dry Tons (US | S 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 |              |               |             |              |
| Apr, 2022 |              |               |             |              |
| May, 2022 |              |               |             |              |
| Jun, 2022 |              |               |             |              |
| Jul, 2022 |              |               |             |              |
| Aug, 2022 |              |               |             |              |
| Sep, 2022 |              |               |             |              |
| Oct, 2022 |              |               |             |              |
| Nov, 2022 |              |               |             |              |
| Dec, 2022 |              |               |             |              |
| Total     | 22.45        | 25.33         | 20.37       | 22.98        |
| Average   | 11.23        | 12.67         | 10.19       | 11.49        |
| Maximum   | 12.93        | 12.93         | 11.73       | 11.73        |
| Minimum   | 9.52         | 12.40         | 8.64        | 11.25        |

## Biosolids Volatile Reduction M.J. Reider Results 2022

|           | Th        | ickener Dischar | ge   |                  | SNDR            |      | Volatile  |
|-----------|-----------|-----------------|------|------------------|-----------------|------|-----------|
| Date      | TS TVS    |                 | VS   | TS               | TS TVS          |      | 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      |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
|           |           |                 |      |                  |                 |      |           |
| AVG       | 52,750    | 40,232          | 76.3 | 25,225           | 13,075          | 51.8 |           |
| Avg. % TS | Reduction | 52.2            |      | Avg. Mass Balanc | e % VS Reductio | n    | 67.5      |

# PA MIDDLETOWN WWTP 2022 Annual Performance

|           |          |            | Flow     | Data  |          |       |
|-----------|----------|------------|----------|-------|----------|-------|
| •         | Total MG | Average MG | Maxir    | num   | Minim    | um    |
| January   | 34.760   | 1.121      | 01/17/22 | 1.992 | 01/04/22 | 0.889 |
| February  | 40.299   | 1.439      | 02/04/22 | 3.416 | 02/02/22 | 1.066 |
| March     |          |            |          |       |          |       |
| April     |          |            |          |       |          |       |
| May       |          |            |          |       |          |       |
| June      |          |            |          |       |          |       |
| July      |          |            |          |       |          |       |
| August    |          |            |          |       |          |       |
| September |          |            |          |       |          |       |
| October   |          |            |          |       |          |       |
| November  |          |            |          |       |          |       |
| December  |          |            |          |       |          |       |
| Total     | 75.059   |            | _        |       |          |       |
| Average   | 37.530   | 1.280      |          | 2.704 |          | 0.978 |
| Maximum   | 40.299   | 1.439      |          | 3.416 |          | 1.066 |
| Minimum   | 34.760   | 1.121      |          | 1.992 |          | 0.889 |

|          |          | ВС      | OD / CBOD |             |           | Phospho  | rus, Total | Fecal Colif. |
|----------|----------|---------|-----------|-------------|-----------|----------|------------|--------------|
| Inf mg/L | Eff mg/L | Inf Lbs | Eff Lbs   | Lbs Removed | % Removal | Eff mg/L | Eff Lbs    | cfu/100mL    |
| 244      | 3        | 70,864  | 825       | 70,040      | 98.7      | 0.15     | 44         | 10           |
| 249      | 3        | 83,688  | 1,080     | 82,608      | 98.6      | 0.14     | 47         | 11           |
|          | Ī        |         |           |             |           |          |            |              |
|          |          |         |           |             |           |          |            |              |
|          |          |         |           |             |           |          |            |              |
|          | ı        |         |           |             |           |          |            |              |
|          |          |         |           |             |           |          |            |              |
|          |          |         |           |             |           |          |            |              |
|          |          |         |           |             |           |          |            |              |
|          |          |         |           |             |           |          |            |              |
|          |          |         |           |             |           |          |            |              |
|          |          |         |           |             |           |          |            |              |
|          |          | 154,552 | 1,904     | 152,648     |           |          | 91         |              |
| 247      | 3        | 77,276  | 952       | 76,324      | 98.7      | 0.15     | 46         |              |
| 249      | 3        | 83,688  | 1,080     | 82,608      | 98.7      | 0.15     | 47         |              |
| 244      | 3        | 70,864  | 825       | 70,040      | 98.6      | 0.14     | 44         | 1            |

|           |          |          | TS      | SS      |             |           |
|-----------|----------|----------|---------|---------|-------------|-----------|
|           | Inf mg/L | Eff mg/L | Inf Lbs | Eff Lbs | Lbs Removed | % Removal |
| January   | 243      | 6        | 70,381  | 1,836   | 68,545      | 97.3      |
| February  | 230      | 8        | 77,176  | 2,647   | 74,529      | 96.3      |
| March     |          |          |         |         |             |           |
| April     |          |          |         |         |             |           |
| May       |          |          |         |         |             |           |
| June      |          |          |         |         |             |           |
| July      |          |          |         |         |             |           |
| August    |          |          |         |         |             |           |
| September |          |          |         |         |             |           |
| October   |          |          |         |         |             |           |
| November  |          |          |         |         |             |           |
| December  |          |          |         |         |             |           |
| Total     |          |          | 147,557 | 4,483   | 143,075     |           |
| Average   | 236.2    | 7.1      | 73,779  | 2,241   | 71,537      | 96.8      |
| Maximum   | 242.8    | 7.9      | 77,176  | 2,647   | 74,529      | 97.3      |
| Minimum   | 229.6    | 6.3      | 70,381  | 1,836   | 68,545      | 96.3      |

| Amn      | nonia   | Th       | (N      | Nitrate+Nitrite |         |          |         | Fecal Colif. |
|----------|---------|----------|---------|-----------------|---------|----------|---------|--------------|
| Eff mg/L | Eff Lbs | Eff mg/L | Eff Lbs | Eff mg/L        | Eff Lbs | Eff mg/L | Eff Lbs | Geo. Mean    |
| 0.05     | 14      | 0.9      | 268     | 2.30            | 668     | 3.23     | 935     | <2.0         |
| 0.06     | 18      | 1.0      | 320     | 2.24            | 754     | 3.20     | 1,074   | <3.0         |
|          |         |          |         |                 |         |          |         |              |
|          |         |          |         |                 |         |          |         |              |
|          |         |          |         |                 |         |          |         |              |
|          |         |          |         |                 |         |          |         |              |
|          |         |          |         |                 |         |          |         |              |
|          |         |          |         |                 |         |          |         |              |
|          |         |          |         |                 |         |          |         |              |
|          |         |          |         |                 |         |          |         |              |
|          |         |          |         |                 |         |          |         |              |
|          |         |          |         |                 |         |          |         |              |
|          | 32      | 2        | 588     |                 | 1,422   |          | 2,010   |              |
| 0.05     | 16      | 1        | 294     | 2.27            | 711     | 3.21     | 1,005   |              |
| 0.06     | 18      | 1        | 320     | 2.30            | 754     | 3.23     | 1,074   | ]            |
| 0.05     | 14      | 1        | 268     | 2.24            | 668     | 3.20     | 935     |              |



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

**Certificate of Analysis** 

Laboratory No.: 2202205 **Report:** 02/14/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057

**Lab ID:** 2202205-01 Collected By: Client **Sample Desc:** SUEZ Middletown Influent (24Hr Composite)

**Received:** 02/01/22 13:50 **Sampled:** 02/01/22 07:10

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

**Sample Type:** Composite

Sample Type: Composite

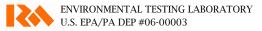
|                              | Result | Unit | Rep.<br>Limit | Analysis Method | Analyzed       | Notes | Analyst |  |
|------------------------------|--------|------|---------------|-----------------|----------------|-------|---------|--|
| General Chemistry            |        |      |               |                 |                |       |         |  |
| Biochemical Oxygen<br>Demand | 288    | mg/l | 2.0           | SM 5210 B       | 02/01/22 14:51 |       | ASD     |  |
| Solids, Total Suspended      | 292    | mg/l | 1             | SM 2540 D       | 02/02/22       |       | ALD     |  |

**Lab ID:** 2202205-02 Collected By: Client **Sampled:** 02/01/22 09:03 **Received:** 02/01/22 13:50

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

|   |        |      | D     |                   |                |               |  |
|---|--------|------|-------|-------------------|----------------|---------------|--|
|   |        |      | Rep.  |                   |                |               |  |
|   | Result | Unit | Limit | Analysis Method   | Analyzed       | Notes Analyst |  |
| General Chemistry                         |        |      |       |                   |                |               |  |
| Ammonia as N                              | 0.20   | mg/l | 0.02  | EPA 350.1         | 02/05/22       | SNF           |  |
| Carbonaceous Biochemical<br>Oxygen Demand | <2.0   | mg/l | 2.0   | SM 5210 B         | 02/01/22 15:10 | ASD           |  |
| Nitrate as N                              | 2.36   | mg/l | 1.00  | EPA 300.0 Rev 2.1 | 02/01/22 16:32 | JAF           |  |
| Nitrite as N                              | < 0.10 | mg/l | 0.10  | EPA 300.0 Rev 2.1 | 02/01/22 16:32 | JAF           |  |
| Nitrate+Nitrite as N                      | <2.46  | mg/l | 1.10  | CALCULATED        | 02/01/22 16:32 | JAF           |  |
| Nitrogen, Total                           | <2.96  | mg/l | 1.60  | CALCULATED        | 02/02/22 19:50 | SNF           |  |
| Nitrogen, Total Kjeldahl<br>(TKN)         | <0.50  | mg/l | 0.50  | EPA 351.2 Rev 2.0 | 02/02/22       | SNF           |  |
| Phosphorus as P, Total                    | 0.14   | mg/l | 0.01  | SM 4500-P F       | 02/05/22       | SNF           |  |
| Solids, Total Suspended                   | 4      | mg/l | 1     | SM 2540 D         | 02/02/22       | ALD           |  |





**Lab ID:** 2202205-03 **Collected By:** Client **Sampled:** 02/01/22 09:19 **Received:** 02/01/22 13:50

Sample Desc: SUEZ Middletown Effluent (Grab) Sample Type: Grab

|                                | Result | Unit   | Rep.<br>Limit | Analysis Method | Incubated       | Analyzed        | Notes | Analyst |
|--------------------------------|--------|--------|---------------|-----------------|-----------------|-----------------|-------|---------|
| Microbiology<br>Fecal Coliform | <2     | /100ml | 2             | SM 9222 D       | 2/1/22<br>14:43 | 2/2/22<br>14:08 |       | JMW     |

### **Preparation Methods**

| Specific Method          | Preparation Method | Prep Batch | Prepared Date | Prepared By |
|--------------------------|--------------------|------------|---------------|-------------|
| 2202205-02               |                    |            |               |             |
| <b>General Chemistry</b> |                    |            |               |             |
| SM 4500-P F              | SM 4500-P B        | B2B0284    | 02/04/2022    | SNF         |





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

**Certificate of Analysis** 

**Laboratory No.:** 2202428 **Report:** 02/10/22

**Lab Contact:** Bradley T Griffiths

**Attention:** Gene Lank

**Reported To:** SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057 **Project Info:** Bi-Weekly Inf & Eff

Middletown, FA 1703

Lab ID: 2202428-01 Collected By: Client
Sample Desc: SUEZ Middletown Influent (24Hr Composite)

**Sampled:** 02/02/22 07:10 **Received** 

**Received:** 02/02/22 14:35 **Sample Type:** Composite

Sample Type: Composite

SNF

ALD

Rep. Limit Result Unit Analysis Method Analyzed Notes Analyst General Chemistry Biochemical Oxygen 358 2.0 SM 5210 B 02/02/22 17:00 ALL mg/l Demand Solids, Total Suspended SM 2540 D 02/03/22 ALD 360 mg/l

**Lab ID:** 2202428-02 **Collected By:** Client **Sampled:** 02/02/22 08:48 **Received:** 02/02/22 14:35

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

0.16

10

Rep. Result Unit Limit Analysis Method Analyzed Notes Analyst General Chemistry EPA 350.1 02/04/22 SNF Ammonia as N < 0.02 0.02 mg/lSM 5210 B 02/02/22 17:40 Carbonaceous Biochemical < 2.0 2.0 ALL mg/l Oxygen Demand EPA 300.0 Rev 2.1 02/02/22 21:24 Nitrate as N 2.42 1.00 JAF mg/l EPA 300.0 Rev 2.1 Nitrite as N < 0.10 0.10 02/02/22 21:24 JAF mg/lCALCULATED 02/02/22 21:24 Nitrate+Nitrite as N < 2.52 1.10 JAF mg/lNitrogen, Total CALCULATED 02/08/22 16:53 SNF < 3.87 1.60 mg/l Nitrogen, Total Kjeldahl 1.35 0.50 EPA 351.2 Rev 2.0 02/08/22 SNF mg/l

**Lab ID:** 2202428-03 **Collected By:** Client **Sampled:** 02/02/22 09:03 **Received:** 02/02/22 14:35

SM 4500-P F

SM 2540 D

02/04/22

02/03/22

Sample Desc: SUEZ Middletown Effluent (Grab) Sample Type: Grab

0.01

1

mg/l

mg/l

|                                | Result | Unit   | Rep.<br>Limit | Analysis Method | Incubated       | Analyzed        | Notes | Analyst |
|--------------------------------|--------|--------|---------------|-----------------|-----------------|-----------------|-------|---------|
| Microbiology<br>Fecal Coliform | <2     | /100ml | 2             | SM 9222 D       | 2/2/22<br>15:13 | 2/3/22<br>13:37 |       | JMW     |



Phosphorus as P, Total

Solids, Total Suspended

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

**Certificate of Analysis** 

Laboratory No.: 2203219 **Report:** 02/18/22

**Lab Contact:** Bradley T Griffiths

Attention: Gene Lank

**Reported To:** SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057

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

**Lab ID:** 2203219-01

Collected By: Client

**Sampled:** 02/08/22 07:10

**Received:** 02/08/22 14:02

General Chemistry Ammonia as N

Oxygen Demand Nitrate as N

Nitrate+Nitrite as N

Nitrogen, Total Kjeldahl

Phosphorus as P, Total

Solids, Total Suspended

Nitrogen, Total

Nitrite as N

Carbonaceous Biochemical

**Sample Desc:** SUEZ Middletown Influent (24Hr Composite)

**Sample Type:** Composite

Sample Type: Composite

ALD

|                              | Result | Unit | Rep.<br>Limit | Analysis Method | Analyzed       | Notes | Analyst |  |
|------------------------------|--------|------|---------------|-----------------|----------------|-------|---------|--|
| General Chemistry            |        |      |               |                 |                |       |         |  |
| Biochemical Oxygen<br>Demand | 191    | mg/l | 2.0           | SM 5210 B       | 02/08/22 15:40 |       | ASD     |  |
| Solids, Total Suspended      | 162    | mg/l | 1             | SM 2540 D       | 02/09/22       |       | ALD     |  |

**Lab ID:** 2203219-02 Collected By: Client **Sampled:** 02/08/22 08:53 **Received:** 02/08/22 14:02

SM 2540 D

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

Result

< 0.02

2.3

2.07

< 0.10

< 2.17

< 3.03

0.86

0.15

12

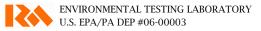
|      | Rep.  |                   |                |       |         |  |
|------|-------|-------------------|----------------|-------|---------|--|
| Unit | Limit | Analysis Method   | Analyzed       | Notes | Analyst |  |
|      |       |                   |                |       |         |  |
| mg/l | 0.02  | EPA 350.1         | 02/11/22       |       | MRW     |  |
| mg/l | 2.0   | SM 5210 B         | 02/08/22 16:10 |       | ASD     |  |
| mg/l | 1.00  | EPA 300.0 Rev 2.1 | 02/08/22 18:34 |       | HRG     |  |
| mg/l | 0.10  | EPA 300.0 Rev 2.1 | 02/08/22 18:34 |       | HRG     |  |
| mg/l | 1.10  | CALCULATED        | 02/08/22 18:34 |       | HRG     |  |
| mg/l | 1.60  | CALCULATED        | 02/16/22 10:22 |       | SNF     |  |
| mg/l | 0.50  | EPA 351.2 Rev 2.0 | 02/16/22       |       | SNF     |  |
| mg/l | 0.01  | SM 4500-P F       | 02/10/22       |       | MRW     |  |

02/09/22



1

mg/l



**Lab ID:** 2203219-03 **Collected By:** Client **Sampled:** 02/08/22 09:10 **Received:** 02/08/22 14:02

Sample Desc: SUEZ Middletown Effluent (Grab) Sample Type: Grab

|                | Result | Unit   | Rep.<br>Limit | Analysis Method | Incubated       | Analyzed        | Notes | Analyst |
|----------------|--------|--------|---------------|-----------------|-----------------|-----------------|-------|---------|
| Microbiology   |        |        |               |                 |                 |                 |       |         |
| Fecal Coliform | 10     | /100ml | 2             | SM 9222 D       | 2/8/22<br>15:12 | 2/9/22<br>14:02 |       | JMW     |

### **Preparation Methods**

| Specific Method          | Preparation Method | Prep Batch | Prepared Date | Prepared By |
|--------------------------|--------------------|------------|---------------|-------------|
| 2203219-02               |                    |            |               |             |
| <b>General Chemistry</b> |                    |            |               |             |
| SM 4500-P F              | SM 4500-P B        | B2B0592    | 02/10/2022    | SNF         |





**Certificate of Analysis** 

Laboratory No.: 2203459 **Report:** 02/18/22

Lab Contact: Bradley T Griffiths

**Sample Type:** Composite

Sample Type: Composite

Sample Type: Grab

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

> Attention: Gene Lank

453 S. Lawrence St.

**Reported To:** SUEZ Middletown

Middletown, PA 17057

**Lab ID:** 2203459-01 Collected By: Client **Sampled:** 02/09/22 07:05 **Received:** 02/09/22 14:24

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

**Sample Desc:** SUEZ Middletown Influent (24Hr Composite)

Rep. Limit Notes Result Unit Analysis Method Analyzed Analyst General Chemistry Biochemical Oxygen 179 2.0 SM 5210 B 02/09/22 17:00 ALL mg/l Demand Solids, Total Suspended SM 2540 D 02/10/22 ALD 184 mg/l

**Received:** 02/09/22 14:24 Collected By: Client **Sampled:** 02/09/22 08:47 **Lab ID:** 2203459-02

**Sample Desc:** SUEZ Middletown Effluent (24Hr Composite)

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**Lab ID:** 2203459-03 Collected By: Client **Sampled:** 02/09/22 09:09 **Received:** 02/09/22 14:24

**Sample Desc:** SUEZ Middletown Effluent (Grab)

|                |        |        | Rep.  |                 |           |          |       |         |  |
|----------------|--------|--------|-------|-----------------|-----------|----------|-------|---------|--|
|                | Result | Unit   | Limit | Analysis Method | Incubated | Analyzed | Notes | Analyst |  |
| Microbiology   |        |        |       |                 |           |          |       |         |  |
| Fecal Coliform | 11     | /100ml | 2     | SM 9222 D       | 2/9/22    | 2/10/22  |       | JMW     |  |
|                |        |        |       |                 | 16:06     | 14:38    |       |         |  |



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

**Certificate of Analysis** 

Laboratory No.: 2204186 **Report:** 02/23/22

Lab Contact: Bradley T Griffiths

Attention: Gene Lank

Reported To: SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057

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

**Lab ID:** 2204186-01

Collected By: Client

**Sampled:** 02/15/22 07:10

**Received:** 02/15/22 13:30

**Sample Type:** Composite

Sample Type: Composite

**Sample Desc:** SUEZ Middletown Influent (24Hr Composite)

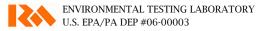
|                              |        |      | Rep.  |                 |                |             |         |  |
|------------------------------|--------|------|-------|-----------------|----------------|-------------|---------|--|
|                              | Result | Unit | Limit | Analysis Method | Analyzed       | Notes       | Analyst |  |
| General Chemistry            |        |      |       |                 |                |             |         |  |
| Biochemical Oxygen<br>Demand | 262    | mg/l | 2.0   | SM 5210 B       | 02/15/22 16:07 | C-37, C-40a | GNG     |  |
| Solids, Total Suspended      | 257    | mg/l | 1     | SM 2540 D       | 02/16/22       |             | ALD     |  |

**Lab ID:** 2204186-02 Collected By: Client **Sampled:** 02/15/22 08:47 **Received:** 02/15/22 13:30

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

|   |        |      | Rep.  |                   |                |       |         |  |
|---|--------|------|-------|-------------------|----------------|-------|---------|--|
|   | Result | Unit | Limit | Analysis Method   | Analyzed       | Notes | Analyst |  |
| General Chemistry                         |        |      |       |                   |                |       |         |  |
| Ammonia as N                              | < 0.02 | mg/l | 0.02  | EPA 350.1         | 02/19/22       |       | SNF     |  |
| Carbonaceous Biochemical<br>Oxygen Demand | 3.7    | mg/l | 2.0   | SM 5210 B         | 02/15/22 16:13 | C-40  | GNG     |  |
| Nitrate as N                              | 2.10   | mg/l | 1.00  | EPA 300.0 Rev 2.1 | 02/15/22 15:49 |       | JAF     |  |
| Nitrite as N                              | < 0.10 | mg/l | 0.10  | EPA 300.0 Rev 2.1 | 02/15/22 15:49 |       | JAF     |  |
| Nitrate+Nitrite as N                      | <2.20  | mg/l | 1.10  | CALCULATED        | 02/15/22 15:49 |       | JAF     |  |
| Nitrogen, Total                           | <3.12  | mg/l | 1.60  | CALCULATED        | 02/16/22 23:07 |       | SNF     |  |
| Nitrogen, Total Kjeldahl<br>(TKN)         | 0.92   | mg/l | 0.50  | EPA 351.2 Rev 2.0 | 02/16/22       |       | SNF     |  |
| Phosphorus as P, Total                    | 0.14   | mg/l | 0.01  | SM 4500-P F       | 02/19/22       |       | SNF     |  |
| Solids, Total Suspended                   | 10     | mg/l | 1     | SM 2540 D         | 02/16/22       |       | ALD     |  |





**Lab ID:** 2204186-03 **Collected By:** Client **Sampled:** 02/15/22 09:00 **Received:** 02/15/22 13:30

Sample Desc: SUEZ Middletown Effluent (Grab) Sample Type: Grab

|                | Result | Unit   | Rep.<br>Limit | Analysis Method | Incubated        | Analyzed         | Notes | Analyst |
|----------------|--------|--------|---------------|-----------------|------------------|------------------|-------|---------|
| Microbiology   |        |        |               |                 |                  |                  |       |         |
| Fecal Coliform | <2     | /100ml | 2             | SM 9222 D       | 2/15/22<br>15:59 | 2/16/22<br>14:04 |       | JMW     |

#### **Preparation Methods**

| Specific Method          | Preparation Method | Prep Batch | Prepared Date | Prepared By |
|--------------------------|--------------------|------------|---------------|-------------|
| 2204186-02               |                    |            |               |             |
| <b>General Chemistry</b> |                    |            |               |             |
| SM 4500-P F              | SM 4500-P B        | B2B1048    | 02/18/2022    | SNF         |

#### **Notes and Definitions**

C-37 The dissolved oxygen depletion for the dilution water blank was greater than 0.20mg/L at 0.21mg/L.

C-40 The Glucose-Glutamic Acid check was outside of the acceptable criteria of 198 ± 30.5 mg/L at 241 mg/L.

C-40a The Glucose-Glutamic Acid check was outside of the acceptable criteria of  $198 \pm 30.5$  mg/L at 242 mg/L.





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

**Certificate of Analysis** 

**Laboratory No.:** 2204226 **Report:** 02/24/22

Lab Contact: Bradley T Griffiths

**Attention:** Gene Lank

Reported To: SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057 **Project Info:** Bi-Weekly Inf & Eff

Lab ID: 2204226-01 Collected By: Client
Sample Desc: SUEZ Middletown Influent (24Hr Composite)

**Sampled:** 02/16/22 07:10 **Received:** 02/16/22 14:30

**Sample Type:** Composite

Sample Type: Composite

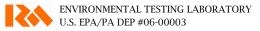
|                              | Result | Unit | Rep.<br>Limit | Analysis Method | Analyzed       | Notes | Analyst |  |
|------------------------------|--------|------|---------------|-----------------|----------------|-------|---------|--|
| General Chemistry            |        |      |               |                 |                |       |         |  |
| Biochemical Oxygen<br>Demand | 203    | mg/l | 2.0           | SM 5210 B       | 02/16/22 16:05 |       | ASD     |  |
| Solids, Total Suspended      | 192    | mg/l | 1             | SM 2540 D       | 02/17/22       |       | ALD     |  |

**Lab ID:** 2204226-02 **Collected By:** Client **Sampled:** 02/16/22 08:48 **Received:** 02/16/22 14:30

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

|   |        |      | Rep.  |                   |                |       |         |  |
|---|--------|------|-------|-------------------|----------------|-------|---------|--|
|   | Result | Unit | Limit | Analysis Method   | Analyzed       | Notes | Analyst |  |
| General Chemistry                         |        |      |       |                   |                |       |         |  |
| Ammonia as N                              | 0.11   | mg/l | 0.02  | EPA 350.1         | 02/18/22       |       | SNF     |  |
| Carbonaceous Biochemical<br>Oxygen Demand | 3.3    | mg/l | 2.0   | SM 5210 B         | 02/16/22 17:25 |       | ASD     |  |
| Nitrate as N                              | 2.22   | mg/l | 1.00  | EPA 300.0 Rev 2.1 | 02/16/22 18:04 |       | JAF     |  |
| Nitrite as N                              | < 0.10 | mg/l | 0.10  | EPA 300.0 Rev 2.1 | 02/16/22 18:04 |       | JAF     |  |
| Nitrate+Nitrite as N                      | <2.32  | mg/l | 1.10  | CALCULATED        | 02/16/22 18:04 |       | JAF     |  |
| Nitrogen, Total                           | <3.57  | mg/l | 1.60  | CALCULATED        | 02/23/22 10:49 |       | SNF     |  |
| Nitrogen, Total Kjeldahl<br>(TKN)         | 1.25   | mg/l | 0.50  | EPA 351.2 Rev 2.0 | 02/23/22       |       | SNF     |  |
| Phosphorus as P, Total                    | 0.13   | mg/l | 0.01  | SM 4500-P F       | 02/18/22       |       | SNF     |  |
| Solids, Total Suspended                   | 7      | mg/l | 1     | SM 2540 D         | 02/17/22       |       | ALD     |  |





**Lab ID:** 2204226-03 **Collected By:** Client **Sampled:** 02/16/22 09:09 **Received:** 02/16/22 14:30

Sample Desc: SUEZ Middletown Effluent (Grab) Sample Type: Grab

|                | Result | Unit   | Rep.<br>Limit | Analysis Method | Incubated        | Analyzed         | Notes | Analyst |
|----------------|--------|--------|---------------|-----------------|------------------|------------------|-------|---------|
| Microbiology   |        |        |               |                 |                  |                  |       |         |
| Fecal Coliform | <2     | /100ml | 2             | SM 9222 D       | 2/16/22<br>14:49 | 2/17/22<br>13:28 |       | JMW     |

### **Preparation Methods**

| Specific Method          | Preparation Method | Prep Batch | Prepared Date | Prepared By |
|--------------------------|--------------------|------------|---------------|-------------|
| 2204226-02               |                    |            |               |             |
| <b>General Chemistry</b> |                    |            |               |             |
| SM 4500-P F              | SM 4500-P B        | B2B1044    | 02/18/2022    | SNF         |





## **Certificate of Analysis**

Laboratory No.: 2204978 **Report:** 03/01/22

Lab Contact: Bradley T Griffiths

Sample Type: Composite

ENVIRONMENTAL TESTING LABORATORY

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

Attention: Gene Lank

453 S. Lawrence St.

**Reported To:** SUEZ Middletown

Middletown, PA 17057

**Lab ID:** 2204978-01 Collected By: Client **Sampled:** 02/22/22 07:10 **Received:** 02/22/22 14:10

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

**Sample Desc:** SUEZ Middletown Influent (24Hr Composite) **Sample Type:** Composite

Rep. Limit Notes Result Unit Analysis Method Analyzed Analyst General Chemistry Biochemical Oxygen 268 2.0 SM 5210 B 02/23/22 9:30 ASD mg/l Demand Solids, Total Suspended SM 2540 D 02/23/22 ALD 282 mg/l

Collected By: Client **Sampled:** 02/22/22 08:50 **Lab ID:** 2204978-02 **Received:** 02/22/22 14:10

**Sample Desc:** SUEZ Middletown Effluent (24Hr Composite)

|                          | Result | Unit | Rep.<br>Limit | Analysis Method   | Analyzed       | Notes | Analyst  |  |
|--------------------------|--------|------|---------------|-------------------|----------------|-------|----------|--|
| General Chemistry        | Result | OIII | LIIIII        | Allalysis Methou  | Anaryzeu       | Notes | Allalyst |  |
| Ammonia as N             | 0.08   | /1   | 0.02          | EPA 350.1         | 02/25/22       |       | SNF      |  |
| Anniona as in            | 0.06   | mg/l | 0.02          | EPA 330.1         | • •            |       | SINE     |  |
| Carbonaceous Biochemical | 3.7    | mg/l | 2.0           | SM 5210 B         | 02/22/22 17:30 |       | ALL      |  |
| Oxygen Demand            |        |      |               |                   |                |       |          |  |
| Nitrate as N             | 2.12   | mg/l | 1.00          | EPA 300.0 Rev 2.1 | 02/22/22 18:52 |       | JAF      |  |
| Nitrite as N             | < 0.10 | mg/l | 0.10          | EPA 300.0 Rev 2.1 | 02/22/22 18:52 |       | JAF      |  |
| Nitrate+Nitrite as N     | <2.22  | mg/l | 1.10          | CALCULATED        | 02/22/22 18:52 |       | JAF      |  |
| Nitrogen, Total          | <2.72  | mg/l | 1.60          | CALCULATED        | 02/23/22 21:09 |       | SNF      |  |
| Nitrogen, Total Kjeldahl | < 0.50 | mg/l | 0.50          | EPA 351.2 Rev 2.0 | 02/23/22       |       | SNF      |  |
| (TKN)                    |        |      |               |                   |                |       |          |  |
| Phosphorus as P, Total   | 0.11   | mg/l | 0.01          | SM 4500-P F       | 02/25/22       |       | SNF      |  |
| Solids, Total Suspended  | 5      | mg/l | 1             | SM 2540 D         | 02/23/22       |       | ALD      |  |

**Lab ID:** 2204978-03 Collected By: Client **Sampled:** 02/22/22 09:06 **Received:** 02/22/22 14:10

**Sample Desc:** SUEZ Middletown Effluent (Grab) Sample Type: Grab

|                                | Result | Unit   | Rep.<br>Limit | Analysis Method | Incubated        | Analyzed         | Notes | Analyst |
|--------------------------------|--------|--------|---------------|-----------------|------------------|------------------|-------|---------|
| Microbiology<br>Fecal Coliform | <2     | /100ml | 2             | SM 9222 D       | 2/22/22<br>14:57 | 2/23/22<br>14:22 |       | JMW     |





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

**Certificate of Analysis** 

**Laboratory No.:** 2205116 **Report:** 03/01/22

**Lab Contact:** Bradley T Griffiths

**Attention:** Gene Lank

Reported To: SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057

EZ Middletown

**Lab ID:** 2205116-01 **Collected By:** Client **Sampled:** 02/23/22 07:05 **Received:** 02/23/22 13:37

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

Sample Desc: SUEZ Middletown Influent (24Hr Composite)

Sample Type: Composite

|                              | Result | Unit | Rep.<br>Limit | Analysis Method | Analyzed       | Notes | Analyst |  |
|------------------------------|--------|------|---------------|-----------------|----------------|-------|---------|--|
| General Chemistry            |        |      |               |                 |                |       |         |  |
| Biochemical Oxygen<br>Demand | 267    | mg/l | 2.0           | SM 5210 B       | 02/23/22 14:35 |       | ALL     |  |
| Solids, Total Suspended      | 230    | mg/l | 1             | SM 2540 D       | 02/24/22       |       | ALD     |  |

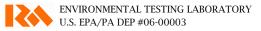
**Lab ID:** 2205116-02 **Collected By:** Client **Sampled:** 02/23/22 08:46 **Received:** 02/23/22 13:37

Sample Desc: SUEZ Middletown Effluent (24Hr Composite)

Sample Type: Composite

|   |        |      | Rep.  |                   |                |       |         |
|---|--------|------|-------|-------------------|----------------|-------|---------|
|   | Result | Unit | Limit | Analysis Method   | Analyzed       | Notes | Analyst |
| General Chemistry                         |        |      |       |                   |                |       |         |
| Ammonia as N                              | < 0.02 | mg/l | 0.02  | EPA 350.1         | 02/25/22       |       | SNF     |
| Carbonaceous Biochemical<br>Oxygen Demand | 2.0    | mg/l | 2.0   | SM 5210 B         | 02/23/22 14:45 |       | ASD     |
| Nitrate as N                              | 2.05   | mg/l | 1.00  | EPA 300.0 Rev 2.1 | 02/23/22 16:43 |       | JAF     |
| Nitrite as N                              | < 0.10 | mg/l | 0.10  | EPA 300.0 Rev 2.1 | 02/23/22 16:43 |       | JAF     |
| Nitrate+Nitrite as N                      | <2.15  | mg/l | 1.10  | CALCULATED        | 02/23/22 16:43 |       | JAF     |
| Nitrogen, Total                           | <3.20  | mg/l | 1.60  | CALCULATED        | 02/27/22 20:36 |       | SNF     |
| Nitrogen, Total Kjeldahl<br>(ΓΚΝ)         | 1.05   | mg/l | 0.50  | EPA 351.2 Rev 2.0 | 02/27/22       |       | SNF     |
| Phosphorus as P, Total                    | 0.13   | mg/l | 0.01  | SM 4500-P F       | 02/25/22       |       | SNF     |
| Solids, Total Suspended                   | 6      | mg/l | 1     | SM 2540 D         | 02/24/22       |       | ALD     |





**Lab ID:** 2205116-03 **Collected By:** Client **Sampled:** 02/23/22 09:00 **Received:** 02/23/22 13:37

Sample Desc: SUEZ Middletown Effluent (Grab) Sample Type: Grab

|                | Result | Unit   | Rep.<br>Limit | Analysis Method | Incubated        | Analyzed         | Notes | Analyst |
|----------------|--------|--------|---------------|-----------------|------------------|------------------|-------|---------|
| Microbiology   |        |        |               |                 |                  |                  |       |         |
| Fecal Coliform | 5      | /100ml | 2             | SM 9222 D       | 2/23/22<br>14:18 | 2/24/22<br>13:51 |       | JMW     |

### **Preparation Methods**

| Specific Method          | Preparation Method | Prep Batch | Prepared Date | Prepared By |
|--------------------------|--------------------|------------|---------------|-------------|
| 2205116-02               |                    |            |               |             |
| <b>General Chemistry</b> |                    |            |               |             |
| SM 4500-P F              | SM 4500-P B        | B2B1383    | 02/24/2022    | SNF         |





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

**Certificate of Analysis** 

**Laboratory No.:** 2205801 **Report:** 03/09/22

Lab Contact: Bradley T Griffiths

**Attention:** Gene Lank

Reported To: SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057 **Project Info:** Bi-Weekly Inf & Eff

Lab ID: 2205801-01 Collected By: Client
Sample Desc: SUEZ Middletown Influent (24Hr Composite)

**Sampled:** 03/01/22 07:10 **Received:** 03/01/22 12:45

**Sample Type:** Composite

Sample Type: Composite

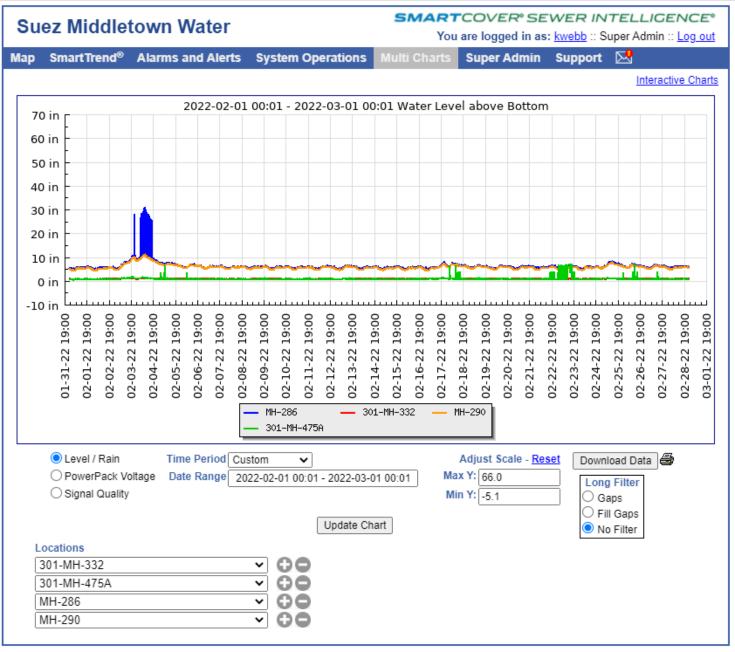
|                              | Result | Unit | Rep.<br>Limit | Analysis Method | Analyzed       | Notes | Analyst |  |
|------------------------------|--------|------|---------------|-----------------|----------------|-------|---------|--|
| General Chemistry            |        |      |               |                 |                |       |         |  |
| Biochemical Oxygen<br>Demand | 264    | mg/l | 2.0           | SM 5210 B       | 03/01/22 14:30 |       | GNG     |  |
| Solids, Total Suspended      | 170    | mg/l | 1             | SM 2540 D       | 03/02/22       |       | ALD     |  |

**Lab ID:** 2205801-02 **Collected By:** Client **Sampled:** 03/01/22 08:40 **Received:** 03/01/22 12:45

**Sample Desc:** SUEZ Middletown Effluent (24Hr Composite)

|   |        |      | Rep.  |                   |                |       |         |  |
|---|--------|------|-------|-------------------|----------------|-------|---------|--|
|   | Result | Unit | Limit | Analysis Method   | Analyzed       | Notes | Analyst |  |
| General Chemistry                         |        |      |       |                   |                |       |         |  |
| Ammonia as N                              | < 0.02 | mg/l | 0.02  | EPA 350.1         | 03/02/22       |       | SNF     |  |
| Carbonaceous Biochemical<br>Oxygen Demand | 4.2    | mg/l | 2.0   | SM 5210 B         | 03/01/22 14:25 |       | ASD     |  |
| Nitrate as N                              | 2.15   | mg/l | 1.00  | EPA 300.0 Rev 2.1 | 03/01/22 13:50 |       | JAF     |  |
| Nitrite as N                              | < 0.10 | mg/l | 0.10  | EPA 300.0 Rev 2.1 | 03/01/22 13:50 |       | JAF     |  |
| Nitrate+Nitrite as N                      | <2.25  | mg/l | 1.10  | CALCULATED        | 03/01/22 13:50 |       | JAF     |  |
| Nitrogen, Total                           | <3.08  | mg/l | 1.60  | CALCULATED        | 03/07/22 17:11 |       | RCE     |  |
| Nitrogen, Total Kjeldahl<br>(TKN)         | 0.83   | mg/l | 0.50  | EPA 351.2 Rev 2.0 | 03/07/22       |       | RCE     |  |
| Phosphorus as P, Total                    | 0.16   | mg/l | 0.01  | SM 4500-P F       | 03/02/22       |       | SNF     |  |
| Solids, Total Suspended                   | 5      | mg/l | 1     | SM 2540 D         | 03/02/22       |       | ALD     |  |





#### **MIDDLETOWN MONTHLY REPORT**

## APPENDIX 2 DRINKING WATER

# MIDDLETOWN WATER SYSTEM MONTHLY SAFE DRINKING WATER ACT COMPLIANCE REPORT AND CORRESPONDENCE WITH PADEP

&

SUSQUEHANNA RIVER BASIN COMMISSION
QUARTERLY WATER WITHDRAWAL REPORT AND
CORRESPONDENCE

## Monthly Water Pumped Middletown Borough Authority

| Fe  | bruary,    | 2022 |
|-----|------------|------|
| 1.0 | vi uai y , | 2022 |

|         | Maximum Day<br>Minimum Day | 949,527              |           |           |           |           | Days pumped | 28           |
|---------|----------------------------|----------------------|-----------|-----------|-----------|-----------|-------------|--------------|
| Date    | Well No.1                  | 725,545<br>Well No.2 | Well No.3 | Well No.4 | Well No.5 | Well No.6 | Total       | Union Booste |
| 01      | 159,859                    | 307,485              |           |           | 87,702    | 341,961   | 897,007     | 126,317      |
| 02      | 126,898                    | 308,079              |           |           | 70,115    | 220,453   | 725,545     | 67,639       |
| 03      | 254,498                    | 77,290               |           |           | 139,625   | 444,537   | 915,950     | 129,140      |
| 04      | 225,549                    | 34,633               |           |           | 123,650   | 389,190   | 773,022     | 67,785       |
| 05      | 276,346                    | 2 1,022              |           |           | 150,525   | 472,951   | 899,822     | 119,197      |
| 06      | 293,092                    |                      |           |           | 159,155   | 497,280   | 949,527     | 75,681       |
| 07      | 224,472                    | 56,782               |           |           | 122,453   | 385,112   | 788,819     | 107,636      |
| 08      | 211,848                    | 198,356              |           |           | 115,928   | 365,313   | 891,445     | 92,542       |
| 09      | 145,999                    | 264,925              |           |           | 80,337    | 252,031   | 743,292     | 73,493       |
| 10      | 174,674                    | 315,348              |           |           | 96,204    | 307,283   | 893,509     | 124,687      |
| 11      | 160,590                    | 314,632              |           |           | 88,742    | 281,898   | 845,862     | 69,120       |
| 12      | 154,629                    | 314,470              |           |           | 85,663    | 270,929   | 825,691     | 112,733      |
| 13      | 166,580                    | 312,734              |           |           | 91,962    | 291,491   | 862,767     | 80,359       |
| 14      | 168,406                    | 312,478              |           |           | 92,542    | 293,114   | 866,540     | 126,588      |
| 15      | 157,655                    | 311,525              |           |           | 63,044    | 274,554   | 806,778     | 68,070       |
| 16      | 153,681                    | 311,279              |           |           | 84,939    | 268,757   | 818,656     | 108,200      |
| 17      | 169,302                    | 310,193              |           |           | 93,708    | 297,602   | 870,805     | 92,632       |
| 18      | 160,868                    | 310,375              |           |           | 89,268    | 283,357   | 843,868     | 70,085       |
| 19      | 179,997                    | 311,661              |           |           | 99,417    | 316,190   | 907,265     | 125,985      |
| 20      | 162,663                    | 313,339              |           |           | 33,949    | 284,591   | 794,542     | 68,270       |
| 21      | 163,448                    | 313,818              |           |           | 88,090    | 293,962   | 859,318     | 113,309      |
| 22      | 176,675                    | 313,042              |           |           | 88,826    | 312,739   | 891,282     | 79,553       |
| 23      | 83,525                     | 315,552              |           |           | 66,058    | 413,160   | 878,295     | 68,364       |
| 24      | 167,387                    | 314,109              |           |           | 67,339    | 283,849   | 832,684     | 128,504      |
| 25      | 140,795                    | 315,190              |           |           | 83,344    | 276,521   | 815,850     | 70,118       |
| 26      | 154,818                    | 315,049              |           |           | 86,030    | 262,339   | 818,236     | 127,260      |
| 27      | 156,629                    | 313,846              |           |           | 87,056    | 277,433   | 834,964     | 72,231       |
| 28      | 164,221                    | 313,713              |           |           | 91,339    | 290,763   | 860,036     | 69,272       |
|         |                            |                      |           |           |           |           |             |              |
| Totals: | 4,935,104                  | 7,199,903            |           |           | 2,627,010 | 8,949,360 | 23,711,377  | 2,634,770    |
| Maximum | 293,092                    | 315,552              |           |           | 159,155   | 497,280   | 949,527     | 129,140      |
| Minimum | 83,525                     | 34,633               |           |           | 33,949    | 220,453   | 725,545     | 67,639       |
| Average | 176,254                    | 276,919              |           |           | 93,822    | 319,620   | 846,835     | 94,099       |

|  | Α    | В       | С                             | D  | E      | F           | G        | Н                     | ı               | J                    | K                | L           | М                   | N        | 0                       | Р              | Q |
|--|------|---------|-------------------------------|--|--------|-------------|----------|-----------------------|-----------------|----------------------|------------------|-------------|---------------------|----------|-------------------------|----------------|---|
| 1  |      |         | (                             |  |        |             |          | 4.00 Distrib          | ution System Mo | nitoring\DS-000      | Generic Sample I | ocation     |                     |          |                         |                |   |
| 2  |      |         | )3 C<br>Sam                   | 400000                                     | 400007 | 400008      | 400011   | 400012                | 400013          | 400014               | 400015           | 400016      | 400017              | 400018   | 400019                  | 400020         |   |
| 3  |      |         | 03 Compliance<br>Sampling Log | DS-000: Contractual<br>Weekly Distribution | рН     | Temperature | Hardness | Alkalinity<br>(CaCO3) | Calcium         | Phosphorus,<br>Total | Silicates        | Iron, Total | Manganese,<br>Total | TDS      | Specific<br>Conductance | Langlier Index |   |
| 4  |      |         | 04 (6                         | Date                                       | SU     | Deg C       | mg/L     | mg/L                  | mg/L            | mg/L                 | mg/L             | mg/L        | mg/L                | mg/L     | umhos/Cm2               | LSI            |   |
| 5  |      | 1 Tue   |                               | 2-1-22                                     | 7.50   | 11.0        | 341.0    | 197.00                | 106.00          | 0.05                 | 20.70            | <0.02       | <0.01               | 262.00   | 32900.00                | 7.50           |   |
| 6  |      | 2 Wed   |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 7  |      | 3 Thu   |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 8<br>9<br>10   |      | 4 Fri   |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 9  |      | 5 Sat   |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 10   |      | 6 Sun   |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 11   |      | 7 Mon   |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 12   |      | 8 Tue   |                               | 2-8-22                                     | 7.60   | 12.0        | 343.0    | 193.00                | 108.00          | 0.06                 | 20.70            | <0.02       | <0.01               | 257.00   | 712.00                  | 7.60           |   |
| 13   |      | 9 Wed   |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 14   |      | 10 Thu  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 15   |      | 11 Fri  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 16   |      | 12 Sat  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 17   |      | 13 Sun  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 18   | Feb  | 14 Mon  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 19   | I CD | 15 Tue  |                               | 2-15-22                                    | 7.60   | 12.0        | 345.0    | 188.00                | 108.00          | 0.08                 | 21.80            | <0.02       | <0.01               | 274.00   | 708.00                  | 7.60           |   |
| 20   |      | 16 Wed  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 21   |      | 17 Thu  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 22   |      | 18 Fri  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 23   |      | 19 Sat  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 24   |      | 20 Sun  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 25   |      | 21 Mon  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 26   |      | 22 Tue  |                               | 2-22-22                                    | 7.40   | 12.0        | 331.0    | 193.00                | 103.00          | 0.05                 | 22.30            | <0.02       | <0.01               | 274.00   | 742.00                  | 7.40           |   |
| 12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31 |      | 23 Wed  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 28   |      | 24 Thu  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 29   |      | 25 Fri  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 30   |      | 26 Sat  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 31   |      | 27 Sun  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 32   |      | 28 Mon  |                               |  |        |             |          |                       |                 |                      |                  |             |                     |          |                         |                |   |
| 34   |      | IINIMUM |                               | 2-1-22                                     | 7.40   |             |          | 188.00                | 103.00          | 0.05                 |                  |             |                     |          |                         |                |   |
| 35   |      | AXIMUM  |                               | 2-8-22                                     | 7.60   |             |          | 197.00                | 108.00          | 0.08                 |                  |             |                     |          | ,                       |                |   |
| 36   | A    | VERAGE  |                               | 1  | 7.53   | 11.8        |          | 192.75                |                 |                      |                  |             |                     |          | ,                       |                |   |
| 37   |      | SUM     |                               | 4  | 30.10  | 47.0        | 1,360.0  | 771.00                | 425.00          | 0.24                 | 85.50            | <0.08       | <0.04               | 1,067.00 | 35,062.00               | 13.12          |   |



ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

**Certificate of Analysis** 

**Laboratory No.:** 2203463 **Reported:** 02/03/22

Lab Contact: Christina M Kistler

Attention: Chris Hannan Project: Feb,Apr,Jun,Aug,Oct,Dec Week 1

**Reported To:** SUEZ Middletown 7220038

453 S. Lawrence St. Middletown, PA 17057

**Lab ID:** 2203463-01 **Collected By:** Client **Sampled:** 02/01/22 08:52 **Received:** 02/01/22 13:50

Sample Desc: 701 Middletown WWTP PADEP Type: D-Distribution

**Notes: PWSID:** 7220038 **Loc ID:** 701

Rep. Analysis EPA MCL Result Unit Limit Method Incubated Analyzed Notes Analyst Min/Max Microbiology Total Coliform SM 9223 Colilert 2/1/22 2/2/22 NAK Absent /100ml 1.00 N/A1 16.14 10.39

**Lab ID:** 2203463-02 **Collected By:** Client **Sampled:** 02/01/22 08:15 **Received:** 02/01/22 13:50

Sample Desc: 703 North Union Street Booster Station PADEP Type: D-Distribution

Notes: PWSID: 7220038 Loc ID: 703

Analysis Rep. EPA MCL Result Unit Limit Method Incubated Analyzed Notes Analyst Min/Max Microbiology Total Coliform Absent /100ml 1.00 SM 9223 Colilert 2/1/22 2/2/22 NAK N/A 16:14 10:39

**Lab ID:** 2203463-03 **Collected By:** Client **Sampled:** 02/01/22 08:29 **Received:** 02/01/22 13:50

Sample Desc: 706 North Union Street Standpipe PADEP Type: D-Distribution

**Notes: PWSID:** 7220038 **Loc ID:** 706

|                                | Result Unit    | Rep.<br>Limit | Analysis<br>Method | Incubated | Analyzed | Notes | Analyst | EPA MC<br>Min/Ma |   |
|--------------------------------|----------------|---------------|--------------------|-----------|----------|-------|---------|------------------|---|
| Microbiology<br>Total Coliform | Absent /100ml  | 1.00          | SM 9223 Colilert   | 2/1/22    | 2/2/22   |       | NAK     | N/A              | 1 |
| Total Colloilli                | Absent / 100mi | 1.00          | Sivi 7223 Comert   | 16:14     | 10:39    |       | 1 1/11/ | 1Ν/ Λ            | 1 |





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

#### 7220038: SUEZ MIDDLETOWN

#### SDWA1

| PWSID   | Contam ID | Contam                  | Analysis<br>Method | Result | Analysis<br>Date |     | Location<br>ID 2 | Sample<br>Date | Sample<br>Type | Sample<br>Time | Lab ID | Sample ID  | Record ID         |
|---------|-----------|-------------------------|--------------------|--------|------------------|-----|------------------|----------------|----------------|----------------|--------|------------|-------------------|
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 011922           | 701 |                  | 011822         | D              | 0833           | 06003  | 2201391-01 | KISTLERC_1<br>152 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020222           | 701 |                  | 020122         | D              | 0852           | 06003  | 2203463-01 | KISTLERC_2<br>534 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 011922           | 703 |                  | 011822         | D              | 0806           | 06003  | 2201391-02 | KISTLERC_1<br>153 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020222           | 703 |                  | 020122         | D              | 0815           | 06003  | 2203463-02 | KISTLERC_2<br>535 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 011222           | 704 |                  | 011122         | D              | 0827           | 06003  | 2200433-01 | KISTLERC_8<br>04  |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 012622           | 704 |                  | 012522         | D              | 0819           | 06003  | 2202430-01 | KISTLERC_2<br>532 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 011222           | 705 |                  | 011122         | D              | 0811           | 06003  | 2200433-02 | KISTLERC_8<br>05  |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 012622           | 705 |                  | 012522         | D              | 0805           | 06003  | 2202430-02 | KISTLERC_2<br>533 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020222           | 706 |                  | 020122         | D              | 0829           | 06003  | 2203463-03 | KISTLERC_2<br>536 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 011922           | 707 |                  | 011822         | D              | 0820           | 06003  | 2201391-03 | KISTLERC_1<br>154 |

## 7220038: SUEZ MIDDLETOWN

## SDWA4

| PWSID   | Contam<br>ID | Contam                   | Analysis<br>Method |     | Lower Limit of Detection | Analysi<br>s Date |     |        | Sample<br>Type | Sample<br>Time | Lab ID | Sample ID  | Record ID         |
|---------|--------------|--------------------------|--------------------|-----|--------------------------|-------------------|-----|--------|----------------|----------------|--------|------------|-------------------|
| 7220038 | 2378         | 1,2,4-TRICHLOROBENZE     | 221                | 0.0 | 0.00050                  | 011222            | 006 | 011122 | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1021 |
| 7220038 | 2380         | cis-1,2-DICHLOROETHYLENE | 221                | 0.0 | 0.00050                  | 011222            | 006 | 011122 | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1022 |
| 7220038 | 2955         | XYLENES (TOTAL)          | 221                | 0.0 | 0.00100                  | 011222            | 006 | 011122 | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1023 |
| 7220038 | 2964         | DICHLOROMETHANE          | 221                | 0.0 | 0.00050                  | 011222            | 006 | 011122 | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1024 |
| 7220038 | 2968         | o-DICHLOROBENZENE        | 221                | 0.0 | 0.00050                  | 011222            | 006 | 011122 | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1025 |

Page: 1 Date: Feb 3, 2022



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

#### 7220038: SUEZ MIDDLETOWN

#### SDWA4

| <b>3DVV</b> | <u> </u>     |                            |                    |        |                          | <br>              |              |                |                |                |                |        |            |                   |
|-------------|--------------|----------------------------|--------------------|--------|--------------------------|-------------------|--------------|----------------|----------------|----------------|----------------|--------|------------|-------------------|
| PWSID       | Contam<br>ID | Contam                     | Analysis<br>Method | Result | Lower Limit of Detection | Analysi<br>s Date | Loc/EP<br>ID | Loc/EP<br>ID 2 | Sample<br>Date | Sample<br>Type | Sample<br>Time | Lab ID | Sample ID  | Record ID         |
| 7220038     | 2969         | PARA-DICHLOROBENZENE       | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1026 |
| 7220038     | 2976         | VINYL CHLORIDE             | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1027 |
| 7220038     | 2977         | 1,1-DICHLOROETHYLENE       | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1028 |
| 7220038     | 2979         | trans-1,2-DICHLOROETHYLENE | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1029 |
| 7220038     | 2980         | 1,2-DICHLOROETHANE         | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1030 |
| 7220038     | 2981         | 1,1,1-TRICHLOROETHANE      | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1031 |
| 7220038     | 2982         | CARBON TETRACHLORIDE       | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1032 |
| 7220038     | 2983         | 1,2-DICHLOROPROPANE        | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1033 |
| 7220038     | 2984         | TRICHLOROETHYLENE          | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1034 |
| 7220038     | 2985         | 1,1,2-TRICHLOROETHANE      | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1035 |
| 7220038     | 2987         | TETRACHLOROETHYLENE        | 221                | 0.0057 | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1036 |
| 7220038     | 2989         | CHLOROBENZENE              | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1037 |
| 7220038     | 2990         | BENZENE                    | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1038 |
| 7220038     | 2991         | TOLUENE                    | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1039 |
| 7220038     | 2992         | ETHYLBENZENE               | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1040 |
| 7220038     | 2996         | STYRENE                    | 221                | 0.0    | 0.00050                  | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1041 |

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ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

**Laboratory No.:** 2203462 **Reported:** 02/11/22

Lab Contact: Christina M Kistler

**Certificate of Analysis** 

Attention: Chris Hannan

**Reported To:** SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057 **Project:** DW-Weekly WWTP Water Lab Sink

220038

**Lab ID:** 2203462-01 **Co** 

Sample Desc: WWTP Lab Sink

Collected By: client

**Sampled:** 02/01/22 08:53

**Received:** 02/01/22 13:50

**Sample Type:** Grab

Notes:

|                             | Result  | Unit    | Rep.<br>Limit | Analysis<br>Method | Analyzed | Notes | Analyst | EPA MCI<br>Min/Max |         |
|-----------------------------|---------|---------|---------------|--------------------|----------|-------|---------|--------------------|---------|
| General Chemistry           |         |         |               |                    |          |       |         |                    |         |
| Alkalinity, Total to pH 4.5 | 197     | mg      | 2             | SM 2320 B          | 02/03/22 |       | APR     | N/A N              | /A      |
|                             |         | CaCO3/  |               |                    |          |       |         |                    |         |
|                             |         | L       |               |                    |          |       |         |                    |         |
| Total Hardness as CaCO3     | 341     | mg/l    | 4.56          | CALCULATED         | 02/03/22 |       | HRG     | N/A N              | /A      |
| Phosphorus as P, Total      | 0.05    | mg/l    | 0.01          | SM 4500-P F        | 02/03/22 |       | SNF     | N/A N              | /A      |
| Silica as SiO2              | 20.7    | mg/l    | 2.14          | CALCULATED         | 02/08/22 |       | HRG     | N/A N              | /A      |
| Conductivity                | 32900   | umhos/c | 1000          | SM 2510 B          | 02/03/22 |       | GNG     | N/A N              | /A      |
|                             |         | m       |               |                    |          |       |         |                    |         |
| Total Metals                |         |         |               |                    |          |       |         |                    |         |
| Calcium                     | 106     | mg/l    | 1             | EPA 200.7 Rev 4.4  | 02/03/22 |       | HRG     | N/A N              | /A      |
| Iron                        | < 0.02  | mg/l    | 0.02          | EPA 200.7 Rev 4.4  | 02/03/22 |       | HRG     | N/A 0              | .3 PASS |
| Magnesium                   | 18.3    | mg/l    | 0.5           | EPA 200.7 Rev 4.4  | 02/03/22 |       | HRG     | N/A N              | /A      |
| Manganese                   | < 0.005 | mg/l    | 0.005         | EPA 200.8 Rev 5.4  | 02/02/22 |       | MPB     | N/A 0.             | 05 PASS |
| Silicon                     | 9.7     | mg/l    | 1.0           | EPA 200.7 Rev 4.4  | 02/08/22 |       | 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 |
|-----|-----------------|--------------------|---------------|-------------|
| 220 | 3462-01         |                    |               |             |
|     | SM 4500-P F     | SM 4500-P B        | 02/02/2022    | TML         |



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PA DEP #06-00003

ENVIRONMENTAL TESTING LABORATORY

#### **Certificate of Analysis**

**Laboratory No.:** 2204228 **Reported:** 02/14/22

Lab Contact: Christina M Kistler

**Attention:** Chris Hannan

**Reported To:** SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057 **Project:** Feb, Apr, Jun, Aug, Oct, Dec Week 2

7220038

**Lab ID:** 2204228-01 **Collected** 

Collected By: Client

**Sampled:** 02/08/22 08:44

**Received:** 02/08/22 14:02

**Sample Desc:** 704 Village of Pineford Office

**PADEP Type:** D-Distribution

**Notes: PWSID:** 7220038 **Loc ID:** 704

Rep. Analysis EPA MCL Incubated Result Unit Limit Method Analyzed Notes Analyst Min/Max Microbiology SM 9223 Colilert Total Coliform 2/8/22 2/9/22 NAK Absent /100ml 1.00 N/A 1 16.22 11.20

**Lab ID:** 2204228-02 **Collected By:** Client **Sampled:** 02/08/22 08:30 **Received:** 02/08/22 14:02

**Sample Desc:** 705 High Street Standpipe

**PADEP Type:** D-Distribution

Notes: PWSID: 7220038 Loc ID: 705

Analysis Rep. EPA MCL Result Unit Limit Method Incubated Analyzed Notes Analyst Min/Max Microbiology Total Coliform Absent /100ml 1.00 SM 9223 Colilert 2/8/22 2/9/22 NAK N/A 16:22 11:20





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

## 7220038: SUEZ MIDDLETOWN

#### SDWA1

| L |         |           |                         |                    |        |        |                  |                |                |                |        |            |            |
|---|---------|-----------|-------------------------|--------------------|--------|--------|------------------|----------------|----------------|----------------|--------|------------|------------|
|   | PWSID   | Contam ID | Contam                  | Analysis<br>Method | Result |        | Location<br>ID 1 | Sample<br>Date | Sample<br>Type | Sample<br>Time | Lab ID | Sample ID  | Record ID  |
|   | 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020922 | 704              | 020822         | D              | 0844           | 06003  | 2204228-01 | KISTLERC_7 |
|   | 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020922 | 705              | 020822         | D              | 0830           | 06003  | 2204228-02 | KISTLERC_7 |

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ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

**Laboratory No.:** 2204227 **Reported:** 02/17/22

Lab Contact: Christina M Kistler

**Certificate of Analysis** 

Attention: Chris Hannan

Reported To: SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057 Project: DW-Weekly WWTP Water Lab Sink

**Lab ID:** 2204227-01

Collected By: Client

**Sampled:** 02/08/22 09:02

**Received:** 02/08/22 14:02

Sample Type: Grab

Notes:

Sample Desc: WWTP Lab Sink

|                             | Result  | Unit    | Rep.<br>Limit | Analysis<br>Method | Analyzed | Notes | Analyst | EPA MCI<br>Min/Max | •       |
|-----------------------------|---------|---------|---------------|--------------------|----------|-------|---------|--------------------|---------|
| General Chemistry           |         |         |               |                    |          |       |         |                    |         |
| Alkalinity, Total to pH 4.5 | 193     | mg      | 2             | SM 2320 B          | 02/09/22 |       | APR     | N/A N              | /A      |
|                             |         | CaCO3/  |               |                    |          |       |         |                    |         |
|                             |         | L       |               |                    |          |       |         |                    |         |
| Total Hardness as CaCO3     | 343     | mg/l    | 4.56          | CALCULATED         | 02/14/22 |       | HRG     | N/A N              | /A      |
| Phosphorus as P, Total      | 0.06    | mg/l    | 0.01          | SM 4500-P F        | 02/11/22 |       | MRW     | N/A N              | /A      |
| Silica as SiO2              | 20.7    | mg/l    | 2.14          | CALCULATED         | 02/10/22 |       | HRG     | N/A N              | /A      |
| Conductivity                | 712     | umhos/c | 1             | SM 2510 B          | 02/09/22 |       | ASD     | N/A N              | /A      |
|                             |         | m       |               |                    |          |       |         |                    |         |
| Total Metals                |         |         |               |                    |          |       |         |                    |         |
| Calcium                     | 108     | mg/l    | 1             | EPA 200.7 Rev 4.4  | 02/14/22 |       | HRG     | N/A N              | /A      |
| Iron                        | < 0.02  | mg/l    | 0.02          | EPA 200.7 Rev 4.4  | 02/10/22 |       | HRG     | N/A                | .3 PASS |
| Magnesium                   | 18.0    | mg/l    | 0.5           | EPA 200.7 Rev 4.4  | 02/14/22 |       | HRG     | N/A N              | /A      |
| Manganese                   | < 0.005 | mg/l    | 0.005         | EPA 200.8 Rev 5.4  | 02/09/22 |       | MPB     | N/A 0.             | 05 PASS |
| Silicon                     | 9.7     | mg/l    | 1.0           | EPA 200.7 Rev 4.4  | 02/10/22 |       | 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 |
|-----------------|--------------------|---------------|-------------|
| 2204227-01      |                    |               |             |
| SM 4500-P F     | SM 4500-P B        | 02/11/2022    | MRW         |



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ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

**Certificate of Analysis** 

Laboratory No.: 2205118 **Reported:** 02/22/22

Lab Contact: Christina M Kistler

Attention: Chris Hannan

**Reported To:** SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057 Project: Feb, Apr, Jun, Aug, Oct, Dec Week 3

7220038

**Lab ID:** 2205118-01

Collected By: Client

**Sampled:** 02/15/22 08:35

**Received:** 02/15/22 13:30 PADEP Type: D-Distribution

**Sample Desc:** 701 Middletown WWTP

Notes: **PWSID:** 7220038 **Loc ID:** 701

|                                | Result | Unit   | Rep.<br>Limit | Analysis<br>Method | Incubated        | Analyzed         | Notes | Analyst | EPA Min/N |   |
|--------------------------------|--------|--------|---------------|--------------------|------------------|------------------|-------|---------|-----------|---|
| Microbiology<br>Total Coliform | Absent | /100ml | 1.00          | SM 9223 Colilert   | 2/15/22<br>15:58 | 2/16/22<br>10:26 |       | NAK     | N/A       | 1 |

**Lab ID:** 2205118-02

Collected By: Client

**Sampled:** 02/15/22 08:01

**Received:** 02/15/22 13:30

**Sample Desc:** 703 North Union Street Booster Station

**PADEP Type:** D-Distribution

Notes: **PWSID:** 7220038 **Loc ID:** 703

|                                | Result | Unit   | Rep.<br>Limit | Analysis<br>Method | Incubated        | Analyzed         | Notes | Analyst | EPA M<br>Min/N |   |
|--------------------------------|--------|--------|---------------|--------------------|------------------|------------------|-------|---------|----------------|---|
| Microbiology<br>Total Coliform | Absent | /100ml | 1.00          | SM 9223 Colilert   | 2/15/22<br>15:58 | 2/16/22<br>10:26 |       | NAK     | N/A            | 1 |

**Lab ID:** 2205118-03

Collected By: Client

**Sampled:** 02/15/22 08:16

**Received:** 02/15/22 13:30

Sample Desc: 706 North Union Street Standpipe

**PADEP Type:** D-Distribution

Notes: **PWSID:** 7220038 **Loc ID:** 706

|                                | Result | Unit   | Rep.<br>Limit | Analysis<br>Method | Incubated        | Analyzed         | Notes | Analyst | EPA M<br>Min/M |   |
|--------------------------------|--------|--------|---------------|--------------------|------------------|------------------|-------|---------|----------------|---|
| Microbiology<br>Total Coliform | Absent | /100ml | 1.00          | SM 9223 Colilert   | 2/15/22<br>15:58 | 2/16/22<br>10:26 |       | NAK     | N/A            | 1 |





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

## 7220038: SUEZ MIDDLETOWN

#### SDWA1

| ODII    | <i>,</i>  |                         |                    |        |                  |               |                  |                |                |                |        |            |                  |
|---------|-----------|-------------------------|--------------------|--------|------------------|---------------|------------------|----------------|----------------|----------------|--------|------------|------------------|
| PWSID   | Contam ID | Contam                  | Analysis<br>Method | Result | Analysis<br>Date | Location ID 1 | Location<br>ID 2 | Sample<br>Date | Sample<br>Type | Sample<br>Time | Lab ID | Sample ID  | Record ID        |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 021622           | 701           |                  | 021522         | D              | 0835           | 06003  | 2205118-01 | KISTLERC_5<br>69 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 021622           | 703           |                  | 021522         | D              | 0801           | 06003  | 2205118-02 | KISTLERC_5<br>70 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020922           | 704           |                  | 020822         | D              | 0844           | 06003  | 2204228-01 | KISTLERC_7       |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020922           | 705           |                  | 020822         | D              | 0830           | 06003  | 2204228-02 | KISTLERC_7       |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 021622           | 706           |                  | 021522         | D              | 0816           | 06003  | 2205118-03 | KISTLERC_5<br>71 |

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Page: 1 Date: Feb 21, 2022



ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

Laboratory No.: 2205117

Lab Contact: Christina M Kistler

**Reported:** 02/24/22

**Certificate of Analysis** 

Attention: Chris Hannan

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

**Reported To:** SUEZ Middletown

/220038

453 S. Lawrence St. Middletown, PA 17057

**Lab ID:** 2205117-01 **Collected By:** client **Sampled:** 02/15/22 08:38 **Received:** 02/15/22 13:30

Sample Desc: WWTP Lab Sink Sample Type: Grab

Notes:

|                             | Result Unit |                   | Rep.<br>Limit | Analysis<br>Method | Analyzed Notes |  | Analyst | EPA MCL<br>Min/Max |      | Pass/<br>Fail |
|-----------------------------|-------------|-------------------|---------------|--------------------|----------------|--|---------|--------------------|------|---------------|
| General Chemistry           |             |                   |               |                    |                |  |         |                    |      |               |
| Alkalinity, Total to pH 4.5 | 188         | mg<br>CaCO3/<br>L | 2             | SM 2320 B          | 02/17/22       |  | APR     | N/A                | N/A  |               |
| Total Hardness as CaCO3     | 345         | mg/l              | 4.56          | CALCULATED         | 02/21/22       |  | JAF     | N/A                | N/A  |               |
| Phosphorus as P, Total      | 0.08        | mg/l              | 0.01          | SM 4500-P F        | 02/19/22       |  | SNF     | N/A                | N/A  |               |
| Silica as SiO2              | 21.8        | mg/l              | 2.14          | CALCULATED         | 02/17/22       |  | HRG     | N/A                | N/A  |               |
| Conductivity                | 708         | umhos/c           | 1             | SM 2510 B          | 02/17/22       |  | ASD     | N/A                | N/A  |               |
|                             |             | m                 |               |                    |                |  |         |                    |      |               |
| Total Metals                |             |                   |               |                    |                |  |         |                    |      |               |
| Calcium                     | 108         | mg/l              | 1             | EPA 200.7 Rev 4.4  | 02/21/22       |  | JAF     | N/A                | N/A  |               |
| Iron                        | < 0.02      | mg/l              | 0.02          | EPA 200.7 Rev 4.4  | 02/17/22       |  | HRG     | N/A                | 0.3  | PASS          |
| Magnesium                   | 18.4        | mg/l              | 0.5           | EPA 200.7 Rev 4.4  | 02/21/22       |  | JAF     | N/A                | N/A  |               |
| Manganese                   | < 0.005     | mg/l              | 0.005         | EPA 200.8 Rev 5.4  | 02/16/22       |  | MPB     | N/A                | 0.05 | PASS          |
| Silicon                     | 10.2        | mg/l              | 1.0           | EPA 200.7 Rev 4.4  | 02/17/22       |  | 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 |
|-----------------|--------------------|---------------|-------------|
| 2205117-01      |                    |               |             |
| SM 4500-P F     | SM 4500-P B        | 02/18/2022    | SNF         |



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ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

**Certificate of Analysis** 

**Laboratory No.:** 2205927 **Reported:** 02/24/22

Lab Contact: Christina M Kistler

Attention: Chris Hannan

**Reported To:** SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057 Project: Feb, Apr, Jun, Aug, Oct, Dec Week 4

7220038

**Lab ID:** 2205927-01 Collected By: Client **Sampled:** 02/22/22 08:39

**Received:** 02/22/22 14:10

**Sample Desc:** 704 Village of Pineford Office

PADEP Type: D-Distribution

Notes: **PWSID:** 7220038 **Loc ID:** 704

|                                | Result | Unit   | Rep.<br>Limit | Analysis<br>Method | Incubated        | Analyzed         | Notes | Analyst | EPA Min/N |   |
|--------------------------------|--------|--------|---------------|--------------------|------------------|------------------|-------|---------|-----------|---|
| Microbiology<br>Total Coliform | Absent | /100ml | 1.00          | SM 9223 Colilert   | 2/22/22<br>15:52 | 2/23/22<br>10:12 |       | NAK     | N/A       | 1 |

**Lab ID:** 2205927-02 **Received:** 02/22/22 14:10 Collected By: Client **Sampled:** 02/22/22 08:53

**Sample Desc:** 705 High Street Standpipe

**PADEP Type:** D-Distribution

Notes: **PWSID:** 7220038 **Loc ID:** 705

|                                | Result | Unit   | Rep.<br>Limit | •                |                  | Notes            | Analyst | EPA Min/N |     |   |
|--------------------------------|--------|--------|---------------|------------------|------------------|------------------|---------|-----------|-----|---|
| Microbiology<br>Total Coliform | Absent | /100ml | 1.00          | SM 9223 Colilert | 2/22/22<br>15:52 | 2/23/22<br>10:12 |         | NAK       | N/A | 1 |





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

## 7220038: SUEZ MIDDLETOWN

#### SDWA1

| 3DW     | <u> </u>  |                         |                    |        |                  |               |                  |                |                |                |        |            |                  |
|---------|-----------|-------------------------|--------------------|--------|------------------|---------------|------------------|----------------|----------------|----------------|--------|------------|------------------|
| PWSID   | Contam ID | Contam                  | Analysis<br>Method | Result | Analysis<br>Date | Location ID 1 | Location<br>ID 2 | Sample<br>Date | Sample<br>Type | Sample<br>Time | Lab ID | Sample ID  | Record ID        |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 021622           | 701           |                  | 021522         | D              | 0835           | 06003  | 2205118-01 | KISTLERC_5<br>69 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 021622           | 703           |                  | 021522         | D              | 0801           | 06003  | 2205118-02 | KISTLERC_5<br>70 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020922           | 704           |                  | 020822         | D              | 0844           | 06003  | 2204228-01 | KISTLERC_7       |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 022322           | 704           |                  | 022222         | D              | 0839           | 06003  | 2205927-01 | KISTLERC_9       |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020922           | 705           |                  | 020822         | D              | 0830           | 06003  | 2204228-02 | KISTLERC_7       |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 022322           | 705           |                  | 022222         | D              | 0853           | 06003  | 2205927-02 | KISTLERC_9       |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 021622           | 706           |                  | 021522         | D              | 0816           | 06003  | 2205118-03 | KISTLERC_5       |

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Page: 1 Date: Feb 24, 2022



ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

**Laboratory No.:** 2205926 **Reported:** 03/04/22

Lab Contact: Christina M Kistler

**Certificate of Analysis** 

**Attention:** Chris Hannan

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

Reported To: SUEZ Middletown

7220038

453 S. Lawrence St. Middletown, PA 17057

**Lab ID:** 2205926-01 **Collected By:** client **Sampled:** 02/22/22 09:11 **Received:** 02/22/22 14:10

Sample Type: Grab

**Notes:** 

Sample Desc: WWTP Lab Sink

|                             | Result Ur |         | Rep.<br>Limit | Analysis<br>Method | Analyzed | Notes | Analyst | EPA MCI<br>Min/Max |         |
|-----------------------------|-----------|---------|---------------|--------------------|----------|-------|---------|--------------------|---------|
| General Chemistry           |           |         |               |                    |          |       |         |                    |         |
| Alkalinity, Total to pH 4.5 | 193       | mg      | 2             | SM 2320 B          | 02/24/22 |       | APR     | N/A N              | /A      |
|                             |           | CaCO3/  |               |                    |          |       |         |                    |         |
|                             |           | L       |               |                    |          |       |         |                    |         |
| Total Hardness as CaCO3     | 331       | mg/l    | 4.56          | CALCULATED         | 02/24/22 |       | HRG     | N/A N              | /A      |
| Phosphorus as P, Total      | 0.05      | mg/l    | 0.01          | SM 4500-P F        | 03/03/22 |       | SNF     | N/A N              | /A      |
| Silica as SiO2              | 22.3      | mg/l    | 2.14          | CALCULATED         | 02/24/22 |       | HRG     | N/A N              | /A      |
| Conductivity                | 742       | umhos/c | 1             | SM 2510 B          | 02/25/22 |       | GNG     | N/A N              | /A      |
|                             |           | m       |               |                    |          |       |         |                    |         |
| Total Metals                |           |         |               |                    |          |       |         |                    |         |
| Calcium                     | 103       | mg/l    | 1             | EPA 200.7 Rev 4.4  | 02/24/22 |       | HRG     | N/A N              | /A      |
| Iron                        | < 0.02    | mg/l    | 0.02          | EPA 200.7 Rev 4.4  | 02/23/22 |       | HRG     | N/A 0              | .3 PASS |
| Magnesium                   | 17.5      | mg/l    | 0.5           | EPA 200.7 Rev 4.4  | 02/24/22 |       | HRG     | N/A N              | /A      |
| Manganese                   | < 0.005   | mg/l    | 0.005         | EPA 200.8 Rev 5.4  | 02/23/22 |       | MPB     | N/A 0.             | 05 PASS |
| Silicon                     | 10.4      | mg/l    | 1.0           | EPA 200.7 Rev 4.4  | 02/24/22 |       | 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 |
|-----------------|--------------------|---------------|-------------|
| 2205926-01      |                    |               |             |
| SM 4500-P F     | SM 4500-P B        | 03/02/2022    | SNF         |



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ENVIRONMENTAL TESTING LABORATORY PA DEP #06-00003

**Laboratory No.:** 2203461 **Reported:** 02/07/22

Lab Contact: Christina M Kistler

**Certificate of Analysis** 

Attention: Chris Hannan

**Sample Desc:** 106 Entry Point Well #6

Reported To: SUEZ Middletown

453 S. Lawrence St. Middletown, PA 17057 **Project:** DW-Quarterly VOCS

7220038

**Lab ID:** 2203461-02 **Collected By:** Client

**Sampled:** 02/01/22 07:45

**Received:** 02/01/22 13:50

Sample Type: Grab

Notes:

|   | Result Unit |      | Rep.   | Analysis          |          | Nata  |         | EPA N |       | Pass/ |
|---|-------------|------|--------|-------------------|----------|-------|---------|-------|-------|-------|
| Volatiles                               | Result      | Unit | Limit  | Method            | Analyzed | Notes | Analyst | Min/N | wax   | Fail  |
| 1,1,1-Trichloroethane                   | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.2   | PASS  |
| 1,1,2-Trichloroethane                   | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.005 | PASS  |
| 1,1-Dichloroethene                      | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | ,     | 0.007 | PASS  |
| 1,2,4-Trichlorobenzene                  | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.07  | PASS  |
| 1,2-Dichlorobenzene                     | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.6   | PASS  |
| 1,2-Dichloroethane                      | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.005 | PASS  |
| 1,2-Dichloropropane                     | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.005 | PASS  |
| 1,4-Dichlorobenzene                     | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.075 | PASS  |
| Benzene                                 | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.005 | PASS  |
| Carbon Tetrachloride                    | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.005 | PASS  |
| Chlorobenzene                           | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.1   | PASS  |
| Cis-1,2-Dichloroethene                  | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.07  | PASS  |
| Ethylbenzene                            | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.7   | PASS  |
| Methylene Chloride<br>(Dichloromethane) | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.005 | PASS  |
| Styrene                                 | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.1   | PASS  |
| Tetrachloroethene (PCE)                 | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.005 | PASS  |
| Toluene                                 | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 1     | PASS  |
| Trans-1,2-Dichloroethene                | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.1   | PASS  |
| Trichloroethene (TCE)                   | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.005 | PASS  |
| Vinyl Chloride                          | < 0.0005    | mg/l | 0.0005 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 0.002 | PASS  |
| Xylenes, Total                          | < 0.0010    | mg/l | 0.0010 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     | N/A   | 10    | PASS  |
| Surrogates -                            |             |      |        |                   |          |       |         |       |       |       |
| 1,2-Dichlorobenzene-d4                  | 104%        |      | 70-130 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     |       |       |       |
| 4-Bromofluorobenzene                    | 94.0%       |      | 70-130 | EPA 524.2 Rev 4.1 | 02/02/22 | V-06  | WJS     |       |       |       |



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#### **Notes and Definitions**

V-06 The following primary contaminant(s) were identified but not requested: Dibromochloromethane, and

Bromoform.

Pass Result less than EPA maximum contaminant level.
Fail Result greater than EPA maximum contaminant level.



## Department of Environmental Protection

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

#### 7220038: SUEZ MIDDLETOWN

#### SDWA1

| PWSID   | Contam ID | Contam                  | Analysis<br>Method | Result |        |     | Sample<br>Date | Sample<br>Type | Sample<br>Time | Lab ID | Sample ID  | Record ID         |
|---------|-----------|-------------------------|--------------------|--------|--------|-----|----------------|----------------|----------------|--------|------------|-------------------|
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 011922 | 701 | 011822         | D              | 0833           | 06003  | 2201391-01 | KISTLERC_1<br>152 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020222 | 701 | 020122         | D              | 0852           | 06003  | 2203463-01 | KISTLERC_2<br>534 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 011922 | 703 | 011822         | D              | 0806           | 06003  | 2201391-02 | KISTLERC_1<br>153 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020222 | 703 | 020122         | D              | 0815           | 06003  | 2203463-02 | KISTLERC_2<br>535 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 011222 | 704 | 011122         | D              | 0827           | 06003  | 2200433-01 | KISTLERC_8<br>04  |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 012622 | 704 | 012522         | D              | 0819           | 06003  | 2202430-01 | KISTLERC_2<br>532 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 011222 | 705 | 011122         | D              | 0811           | 06003  | 2200433-02 | KISTLERC_8<br>05  |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 012622 | 705 | 012522         | D              | 0805           | 06003  | 2202430-02 | KISTLERC_2<br>533 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 020222 | 706 | 020122         | D              | 0829           | 06003  | 2203463-03 | KISTLERC_2<br>536 |
| 7220038 | 3100      | TOTAL COLIFORM PRESENCE | 331                | 0.0    | 011922 | 707 | 011822         | D              | 0820           | 06003  | 2201391-03 | KISTLERC_1<br>154 |

## 7220038: SUEZ MIDDLETOWN

#### SDWA4

|   | PWSID   | Contam<br>ID | Contam                   | Analysis<br>Method |     | Lower Limit of Detection | Analysi<br>s Date |     |        | Sample<br>Type | Sample<br>Time | Lab ID | Sample ID  | Record ID         |
|---|---------|--------------|--------------------------|--------------------|-----|--------------------------|-------------------|-----|--------|----------------|----------------|--------|------------|-------------------|
|   | 7220038 | 2378         | 1,2,4-TRICHLOROBENZE     | 221                | 0.0 | 0.00050                  | 011222            | 006 | 011122 | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1021 |
|   | 7220038 | 2380         | cis-1,2-DICHLOROETHYLENE | 221                | 0.0 | 0.00050                  | 011222            | 006 | 011122 | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1022 |
| ٦ | 7220038 | 2955         | XYLENES (TOTAL)          | 221                | 0.0 | 0.00100                  | 011222            | 006 | 011122 | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1023 |
| D | 7220038 | 2964         | DICHLOROMETHANE          | 221                | 0.0 | 0.00050                  | 011222            | 006 | 011122 | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1024 |
|   | 7220038 | 2968         | o-DICHLOROBENZENE        | 221                | 0.0 | 0.00050                  | 011222            | 006 | 011122 | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1025 |

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## Department of Environmental Protection

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

#### 7220038: SUEZ MIDDLETOWN

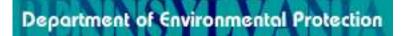
## SDWA4

| <b>OD</b> 117 |              |                            |                    |        |                          |                   |                   |              |                |                |                |                |        |            |                   |
|---------------|--------------|----------------------------|--------------------|--------|--------------------------|-------------------|-------------------|--------------|----------------|----------------|----------------|----------------|--------|------------|-------------------|
| PWSID         | Contam<br>ID | Contam                     | Analysis<br>Method | Result | Lower Limit of Detection | Counting<br>Error | Analysi<br>s Date | Loc/EP<br>ID | Loc/EP<br>ID 2 | Sample<br>Date | Sample<br>Type | Sample<br>Time | Lab ID | Sample ID  | Record ID         |
| 7220038       | 2969         | PARA-DICHLOROBENZENE       | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1026 |
| 7220038       | 2976         | VINYL CHLORIDE             | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1027 |
| 7220038       | 2977         | 1,1-DICHLOROETHYLENE       | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1028 |
| 7220038       | 2979         | trans-1,2-DICHLOROETHYLENE | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1029 |
| 7220038       | 2980         | 1,2-DICHLOROETHANE         | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1030 |
| 7220038       | 2981         | 1,1,1-TRICHLOROETHANE      | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1031 |
| 7220038       | 2982         | CARBON TETRACHLORIDE       | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1032 |
| 7220038       | 2983         | 1,2-DICHLOROPROPANE        | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1033 |
| 7220038       | 2984         | TRICHLOROETHYLENE          | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1034 |
| 7220038       | 2985         | 1,1,2-TRICHLOROETHANE      | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1035 |
| 7220038       | 2987         | TETRACHLOROETHYLENE        | 221                | 0.0057 | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1036 |
| 7220038       | 2989         | CHLOROBENZENE              | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1037 |
| 7220038       | 2990         | BENZENE                    | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1038 |
| 7220038       | 2991         | TOLUENE                    | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1039 |
| 7220038       | 2992         | ETHYLBENZENE               | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1040 |
| 7220038       | 2996         | STYRENE                    | 221                | 0.0    | 0.00050                  |                   | 011222            | 006          |                | 011122         | R              | 0838           | 06003  | 2200233-02 | KISTLERC_<br>1041 |
| 7220038       | 2378         | 1,2,4-TRICHLOROBENZE       | 221                | 0.0    | 0.00050                  |                   | 020222            | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2723 |
| 7220038       | 2380         | cis-1,2-DICHLOROETHYLENE   | 221                | 0.0    | 0.00050                  |                   | 020222            | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2729 |
| 7220038       | 2955         | XYLENES (TOTAL)            | 221                | 0.0    | 0.00100                  |                   | 020222            | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2735 |
| 7220038       | 2964         | DICHLOROMETHANE            | 221                | 0.0    | 0.00050                  |                   | 020222            | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2741 |

rage 5 or

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Date: Feb 7, 2022



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

## 7220038: SUEZ MIDDLETOWN

#### SDWA4

| 2DAA    | <b>A4</b>    |                            |                    |        |                          |        |              |                |                |                |                |        |            |                   |
|---------|--------------|----------------------------|--------------------|--------|--------------------------|--------|--------------|----------------|----------------|----------------|----------------|--------|------------|-------------------|
| PWSID   | Contam<br>ID | Contam                     | Analysis<br>Method | Result | Lower Limit of Detection |        | Loc/EP<br>ID | Loc/EP<br>ID 2 | Sample<br>Date | Sample<br>Type | Sample<br>Time | Lab ID | Sample ID  | Record ID         |
| 7220038 | 2968         | o-DICHLOROBENZENE          | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2747 |
| 7220038 | 2969         | PARA-DICHLOROBENZENE       | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2753 |
| 7220038 | 2976         | VINYL CHLORIDE             | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2759 |
| 7220038 | 2977         | 1,1-DICHLOROETHYLENE       | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2765 |
| 7220038 | 2979         | trans-1,2-DICHLOROETHYLENE | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2771 |
| 7220038 | 2980         | 1,2-DICHLOROETHANE         | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2777 |
| 7220038 | 2981         | 1,1,1-TRICHLOROETHANE      | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2783 |
| 7220038 | 2982         | CARBON TETRACHLORIDE       | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2789 |
| 7220038 | 2983         | 1,2-DICHLOROPROPANE        | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2795 |
| 7220038 | 2984         | TRICHLOROETHYLENE          | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2801 |
| 7220038 | 2985         | 1,1,2-TRICHLOROETHANE      | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2807 |
| 7220038 | 2987         | TETRACHLOROETHYLENE        | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2813 |
| 7220038 | 2989         | CHLOROBENZENE              | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2819 |
| 7220038 | 2990         | BENZENE                    | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2825 |
| 7220038 | 2991         | TOLUENE                    | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2831 |
| 7220038 | 2992         | ETHYLBENZENE               | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2837 |
| 7220038 | 2996         | STYRENE                    | 221                | 0.0    | 0.00050                  | 020222 | 106          |                | 020122         | E              | 0745           | 06003  | 2203461-02 | KISTLERC_<br>2843 |

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Page: 3

To:Webb, Kodi (RED); Hannan, James (RED)Subject:File Uploaded Successfully by HANNANJDate:Thursday, March 10, 2022 10:17:18 AM

HANNANJ uploaded a file successfully to DWELR.

| File<br>Name                                       | User    | Record ID<br>Range                 |
|--|---------|------------------------------------|
| PA<br>DEP<br>SDWA-<br>1 100<br>Well<br>No<br>1.xls | HANNANJ | HANNANJ_1<br>through<br>HANNANJ_28 |

To:Webb, Kodi (RED); Hannan, James (RED)Subject:File Uploaded Successfully by HANNANJDate:Thursday, March 10, 2022 10:18:10 AM

HANNANJ uploaded a file successfully to DWELR.

| File<br>Name                                       | User    | Record ID<br>Range                  |
|--|---------|-------------------------------------|
| PA<br>DEP<br>SDWA-<br>1 102<br>Well<br>No<br>2.xls | HANNANJ | HANNANJ_29<br>through<br>HANNANJ_56 |

To:Webb, Kodi (RED); Hannan, James (RED)Subject:File Uploaded Successfully by HANNANJDate:Thursday, March 10, 2022 10:19:22 AM

HANNANJ uploaded a file successfully to DWELR.

| File<br>Name                                       | User    | Record ID<br>Range                  |
|--|---------|-------------------------------------|
| PA<br>DEP<br>SDWA-<br>1 103<br>Well<br>No<br>3.xls | HANNANJ | HANNANJ_57<br>through<br>HANNANJ_84 |

To: Webb, Kodi (RED); Hannan, James (RED)
Subject: File Uploaded Successfully by HANNANJ
Date: Thursday, March 10, 2022 10:20:00 AM

#### HANNANJ uploaded a file successfully to DWELR.

| File<br>Name                                       | User    | Record ID<br>Range                   |
|--|---------|--------------------------------------|
| PA<br>DEP<br>SDWA-<br>1 104<br>Well<br>No<br>4.xls | HANNANJ | HANNANJ_85<br>through<br>HANNANJ_112 |

To: Webb, Kodi (RED); Hannan, James (RED)
Subject: File Uploaded Successfully by HANNANJ
Date: Thursday, March 10, 2022 10:20:07 AM

#### HANNANJ uploaded a file successfully to DWELR.

| File<br>Name                                       | User    | Record ID<br>Range                    |
|--|---------|---------------------------------------|
| PA<br>DEP<br>SDWA-<br>1 105<br>Well<br>No<br>5.xls | HANNANJ | HANNANJ_113<br>through<br>HANNANJ_140 |

To:Webb, Kodi (RED); Hannan, James (RED)Subject:File Uploaded Successfully by HANNANJDate:Thursday, March 10, 2022 10:20:43 AM

#### HANNANJ uploaded a file successfully to DWELR.

| File<br>Name                                       | User    | Record ID<br>Range                    |
|--|---------|---------------------------------------|
| PA<br>DEP<br>SDWA-<br>1 106<br>Well<br>No<br>6.xls | HANNANJ | HANNANJ_141<br>through<br>HANNANJ_168 |

To:Webb, Kodi (RED); Hannan, James (RED)Subject:Data Added Successfully by HANNANJDate:Thursday, March 10, 2022 10:26:50 AM

HANNANJ successfully added data to DWELR on 03/10/22 at 10:21 AM. Form: SDWA1.

| Form<br>Type | User    | LabID | PWSID   | ContamID | Pre_ID      | Loc_Epid | Sample<br>Date |
|--------------|---------|-------|---------|----------|-------------|----------|----------------|
| SDWA1        | HANNANJ | 22604 | 7220038 | 1013     | HANNANJ_169 | 701      | 020122         |
| SDWA1        | HANNANJ | 22604 | 7220038 | 1013     | HANNANJ_170 | 703      | 020122         |
| SDWA1        | HANNANJ | 22604 | 7220038 | 1013     | HANNANJ_171 | 706      | 020122         |
| SDWA1        | HANNANJ | 22604 | 7220038 | 1013     | HANNANJ_172 | 704      | 020822         |
| SDWA1        | HANNANJ | 22604 | 7220038 | 1013     | HANNANJ_173 | 705      | 020822         |
| SDWA1        | HANNANJ | 22604 | 7220038 | 1013     | HANNANJ_174 | 701      | 021522         |
| SDWA1        | HANNANJ | 22604 | 7220038 | 1013     | HANNANJ_175 | 703      | 021522         |
| SDWA1        | HANNANJ | 22604 | 7220038 | 1013     | HANNANJ_176 | 706      | 021522         |
| SDWA1        | HANNANJ | 22604 | 7220038 | 1013     | HANNANJ_177 | 704      | 022222         |
| SDWA1        | HANNANJ | 22604 | 7220038 | 1013     | HANNANJ_178 | 705      | 022222         |

## **MIDDLETOWN MONTHLY REPORT**

# APPENDIX 3 CUSTOMER SERVICE

# MONTHLY CONSUMPTION, BILLING & TRANSACTION REPORTS

&

**HOMESERVE REPORT** 

PAGE: 3

| ACTIVE ACCOUNTS: DISCONNECTED ACCTS: FINALED ACCOUNTS: INACTIVE ACCOUNTS:     | NUMBER# TOTA<br>2,705<br>17<br>313<br>12,240  | AL ARREARS<br>222,732.17<br>4,120.48<br>3,884.44CR<br>0.00 | TOTAL CUR<br>640,42<br>74  |                             | TOTAL BALANCE<br>863,155.96<br>4,867.79<br>3,884.44CR<br>0.00  | NEW ACCOU<br>DISCONNEC | COUNT RECONCILIATI<br>NTS:<br>TNO TRF:<br>T-TRANSFER: | 21<br>17<br>0 |
|---|---|--|--|-----------------------------|--|------------------------|---|---------------|
| **GRAND TOTALS**  | 15,275  | 222,968.21   | 641,17   | 1.10                        | 864,139.31   |                        |   |               |
| **CALCULATION SUMMARY   | DEPOSIT RE<br>TOTAL CU  | TURNS:   | 641,171.10<br>0.00<br>641,171.10<br>A T E G O R Y  | тотаг                       | S =====  |                        |   |               |
| CATEGORY NUMBER S SEWER 2642 SR SURCHARGE 2 SR2 SURCHARGE 2 2689 W WATER 5344 | TOTAL NET<br>342,122.00<br>0.00<br>82,700.10<br>216,349.00  | FUEL-ADJ<br>0.00<br>0.00<br>0.00<br>0.00                   | TOTAL TAX<br>0.00<br>0.00<br>0.00<br>0.00  | TAXAB:<br>0.0<br>0.0<br>0.0 | 14643,900.<br>00   | TION CONS              | BILLED TO<br>UMPTION CONSUM<br>14643,900              | 0.000         |
| ***TOTALS***  | 641,171.10  | 0.00   | 0.00   | 0.0                         | 00   |                        |   |               |
|   | ======================================  | EVENUE   | CODE TO  | O T A L S ==                |  |                        |   |               |
| SERVICES  | R/C DESCRIPTION: 200-WTR MDT  | T  | G/L ACCOUNT:   | #                           | AMOUNT 68,837.84   |                        |   |               |
|   | 203-WTR MDT COM<br>206-CUSTOMER CH<br>207-SERVICE CHG<br>210-WTR ROYAL<br>220-WTR L SWT<br>230-SURCHARGE W<br>231-SURCHARGE W<br>300-SWR MDT<br>306-SW CUST CHA<br>310-SWR ROYAL<br>320-SWR L SWT | ARGE / METER  ATER/SEWER  ATER/SEWER                       | 687-145900<br>687-145900<br>687-145900<br>687-145900<br>687-145900<br>687-145900<br>687-145800<br>687-145800<br>687-145800<br>687-145800 |                             | 86,926.20<br>10,887.41<br>42,855.82<br>6,791.50<br>50.23<br>0.00<br>82,700.10<br>285,456.78<br>56,665.22<br>0.00<br>0.00 |                        |   |               |
|   | **R/C TOTAL   | S**  |  |                             | 641,171.10   |                        |   |               |
|   | *========   | RATE TA  | BLE TO   | r A L S ====                |  |                        |   |               |
| CAT CODE TBL DESCRIPTION  | SCHED   | NO# TO   | TAL NET FU   | JEL-ADJ                     | TOTAL TAX  | TAXABLE                | CONSUMPTION   | MLT.          |
| S 300 LST SEWER -LWR SW<br>S 300 RB SEWER -ROYALTO<br>S 300 SW SEWER          |   | 1<br>1<br>2640 342   | 0.00<br>0.00<br>,122.00  | 0.00<br>0.00<br>0.00        | 0.00<br>0.00<br>0.00   | 0.00<br>0.00<br>0.00   | 14,643,900.0000                                       | 801           |

BILLING REPORT \*\*\*\* PAGE: 4

| ======= RATE TABLE TOTALS ======= |       |          |                      |         |      |                       |           |            |             |  |      |
|-----------------------------------|-------|----------|----------------------|---------|------|-----------------------|-----------|------------|-------------|--|------|
|                                   |       |          |                      |         |      | T A B L E CONTINUED ) | TOTALS =  | =========  |             |  |      |
|                                   |       |          |                      |         | ,    | ,                     |           |            |             |  |      |
| CA                                |       | TBL      | DESCRIPTION          | SCHED   | NO#  | TOTAL NET             | FUEL-ADJ  | TOTAL TAX  | TAXABLE     | CONSUMPTION  | MLT. |
| SR                                |       | SR       | SURCHARGE WATER/SEWE | SR      | 0    | 0.00                  | 0.00      | 0.00       | 0.00        |  |      |
| SR                                | 230   | SR2      | SURCHARGE WATER/SEWE | SR2     | 2    | 0.00                  | 0.00      | 0.00       | 0.00        |  |      |
| SR                                | 2 231 | SR2      | SURCHARGE WATER/SEWE | SR2     | 2689 | 82,700.10             | 0.00      | 0.00       | 0.00        |  |      |
| M                                 | 200   | C10      | COMM 1" MTR          | C10     | 35   | 3,649.06              | 0.00      | 0.00       | 0.00        | 315,300.0000   |      |
| W                                 | 200   | C15      | COMM 1 1/2" MTR      | C15     | 9    | 5,104.91              | 0.00      | 0.00       | 0.00        | 532,000.0000   |      |
| W                                 | 200   | C20      | COMM 2" MTR          | C20     | 21   | 14,948.12             | 0.00      | 0.00       | 0.00        | 1,569,100.0000   |      |
| W                                 | 200   | C30      | COMM 3" MTR          | C30     | 5    | 6,637.27              | 0.00      | 0.00       | 0.00        | 705,600.0000   |      |
| W                                 | 200   | C40      | COMM 4" MTR          | C40     | 2    | 238.50                | 0.00      | 0.00       | 0.00        | 18,500.0000  |      |
| W                                 | 200   | C58      | COMM 5/8" MTR        | C58     | 8    | 411.96                | 0.00      | 0.00       | 0.00        | 27,500.0000  |      |
| W                                 | 200   | C60      | COMM 6" MTR          | C60     | 13   | 51,954.63             | 0.00      | 0.00       | 0.00        | 5,584,800.0000   |      |
| M                                 | 200   |          | COMM 3/4" MTR        | C75     | 2    | 311.22                | 0.00      | 0.00       | 0.00        | 29,400.0000  |      |
| W                                 | 200   | C80      | COMM 8" MTR          | C80     | 4    | 6,330.88              | 0.00      | 0.00       | 0.00        | 666,300.0000   |      |
| M                                 | 200   | COM      | COMPOUND WATER N/C   | COM     | 14   | 0.00                  | 0.00      | 0.00       | 0.00        |  |      |
| W                                 | 200   |          | LOWER SWAT 8" MTR    | LS8     | 1    | 50.23                 | 0.00      | 0.00       | 0.00        |  |      |
| W                                 | 200   |          | NO CHG               | NCW     | 27   | 0.00                  | 0.00      | 0.00       | 0.00        | 57,900.0000  |      |
| W                                 | 200   |          | RESID 1" MTR         | R10     | 6    | 264.44                | 0.00      | 0.00       | 0.00        | 14,800.0000  |      |
| W                                 | 200   |          | RESID - 5/8'" MTR    | R58     | 2562 | 115,951.41            | 0.00      | 0.00       | 0.00        | 7,075,000.0000   |      |
| W                                 | 200   | -        | RESID 6" MTR         | R60     | 1    | 3,257.75              | 0.00      | 0.00       | 0.00        | 349,300.0000   |      |
| W                                 | 200   | 45000054 | RESID 3/4" MTR       | R75     | 3    | 316.87                | 0.00      | 0.00       | 0.00        | 27,800.0000  | 12   |
| M                                 | 200   |          | ROYALTON BOR 6" MTR  | RB6     | 2    | 6,791.50              | 0.00      | 0.00       | 0.00        | 1,344,200.0000   |      |
| M                                 | 210   | A1V      | FLAT RATE WATER -VAR | AlV     | 2    | 130.25                | 0.00      | 0.00       | 0.00        | A STATE OF THE STA |      |
| W                                 | 220   | MC       | WATER METER CHARGE - | MC      | 2627 | 0.00                  | 0.00      | 0.00       | 0.00        |  |      |
|                                   |       |          | ***TOTALS***         |         |      | 641,171.10            | 0.00      | 0.00       | 0.00        |  |      |
|                                   |       |          |                      | ===== M | ETER | GROUP                 | TOTALS =  |            |             |  |      |
|                                   |       |          |                      |         |      | BILLED                | UNBILL    | ED         | TOTAL       | DEMAND   |      |
|                                   |       | (        | CODE DESCRIPTION     |         |      | CONSUMPTION           | CONSUMPTI | ON CONSUM  | MPTION      | CONSUMPTION  |      |
|                                   |       | V        | WATER                |         | 18,  | 317,500.0000          | 7         | 0.000 18,3 | 17,500.0000 |  |      |
|                                   |       |          |                      |         |      |                       |           |            |             |  |      |

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

CODE DESCRIPTION NUMBER AMOUNT

\*\*DEPOSIT TOTALS\*\* 0 0.00

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PERIOD: 2/01/2022 THRU 2/28/2022 ZONE: \* - All Zones REVENUE CODE: All ADJUSTMENT CODES:

------ DAILY DISTRIBUTION -----

| TYPE        | DAY | COUNT            | AMOUNT        |                  |                        |             |
|-------------|-----|------------------|---------------|------------------|------------------------|-------------|
| ADJUSTMENT  | 01  | 2                | 531.12CR      |                  |                        |             |
|             | 02  | 7                | 494.97CR      |                  |                        |             |
|             | 03  | 8                | 2,740.84      |                  |                        |             |
|             | 11  | 8                | 156.35CR      |                  |                        |             |
|             | 15  | 2                | 351.70CR      |                  |                        |             |
|             | 16  | 1                | 349.00CR      |                  |                        |             |
|             | 17  | 10               | 190.83CR      |                  |                        |             |
|             | 18  | 1                | 22.91CR       |                  |                        |             |
|             | 23  | 5                | 4.10CR        |                  |                        |             |
|             | 24  | 152              | 3,775.54CR    |                  |                        |             |
|             | 28  | 2                | 19.85CR       |                  |                        |             |
|             |     | ADJUSTMENT TOTAL | 3,155.53CR    |                  |                        | <del></del> |
| BILL        | 03  | 1                | 31.40         |                  |                        |             |
|             | 08  | 1                | 33.84         |                  |                        |             |
|             | 09  | 1                | 48.76         |                  |                        |             |
|             | 10  | 1                | 39.71         |                  |                        |             |
|             | 14  | 2                | 74.78         |                  |                        |             |
|             | 16  | 7                | 211.74CR      |                  |                        |             |
|             | 17  | 4                | 118.31        |                  |                        |             |
|             | 23  | 6                | 51.42CR       |                  |                        |             |
|             | 24  | 2,723            | 641,017.00    |                  |                        |             |
|             | 28  | 2                | 70.46         |                  |                        |             |
|             |     | BILL TOTAL       | 641,171.10    |                  | 1 . Mar. (n) (100) (2) |             |
| LATE CHARGE | 01  | 495              | 7,821.93      | difference - adi | + # billed - other     | REVENUE     |
|             |     | LATE TOTAL       | 7,821.93      | th Hlolal        | 40                     |             |
| MEMO        | 01  | 3                | 0.00          | W WWW.           |                        |             |
| 132120      | 17  | 38               | 0.00          |                  |                        |             |
|             | 18  | 76               | 0.00          |                  |                        |             |
|             | 21  | 33               | 0.00          |                  |                        |             |
|             | 22  | 25               | 0.00          |                  |                        |             |
|             | 23  |                  | 0.00          |                  |                        |             |
| -           |     | MEMO TOTAL       | 0.00          |                  |                        |             |
| PAYMENT     | 01  | 89               | 15,523.79CR   |                  |                        |             |
|             | 02  | 57               | 9,291.55CR    |                  |                        |             |
|             | 03  | 104              | 19,748.78CR   |                  |                        |             |
|             | 07  | 307              | 92,020.28CR   |                  |                        |             |
|             | 08  | 54               | 12,147.44CR   |                  |                        |             |
|             | 09  | 32               | 5,376.52CR    |                  |                        |             |
|             | 10  | 232              | 32,939.84CR   |                  |                        |             |
|             | 11  | 244              | 57,771.70CR   |                  |                        |             |
|             |     | 211              | 37, 171. 10CR |                  |                        |             |
|             |     |                  |               |                  |                        |             |

03-10-2022 12:04 PM

PERIOD: 2/01/2022 THRU 2/28/2022

MONTHLY TRANSACTION REPORT

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ZONE: \* - All Zones REVENUE CODE: All ADJUSTMENT CODES:

|   | TYPE         | DAY  | COUNT               | AMOUNT       |   |
|---|--------------|------|---------------------|--------------|---|
|   |              | 14   | 215                 | 57,694.29CR  | -                                       |
|   |              | 15   | 152                 | 26,242.79CR  |   |
|   |              | 16   | 44                  | 7,866.56CR   |   |
|   |              | 17   | 210                 | 192,744.22CR |   |
|   |              | 18   | 122                 | 48,189.16CR  |   |
|   |              | 21   | 52                  | 12,108.36CR  |   |
|   |              | 22   | 30                  | 6,946.11CR   |   |
|   |              | 23   | 61                  | 14,550.53CR  |   |
|   |              | 24   | 59                  | 9,550.28CR   |   |
|   |              | 25   | 110                 | 17,755.15CR  |   |
|   |              | 28   | 53                  | 11,922.25CR  |   |
|   |              |      | PAYMENT TOTAL       | 650,389.60CR |   |
|   | REFUND CHECK | 23   |                     | 328.91       |   |
|   |              |      | REFUND TOTAL        | 328.91       |   |
|   |              |      |                     |              | > Total Collected = \$ 719,927,46       |
|   | DRAFT        | 15   | 325                 | 47,004.39CR  | 101000000000000000000000000000000000000 |
| - |              | 18   | 27                  | 22,533.47CR  |   |
|   |              |      | DRAFT TOTAL         | 69,537.86CR  |   |
|   |              |      |                     |              |   |
|   | REVERSE-PAY  | 01   | 1                   | 202.47       |   |
|   |              | 17   | 1                   | 325.00       |   |
|   |              |      | REVERSE PAY TOTAL   | 527.47       |   |
|   |              | CDN  | ND TOTAL FOR PERIOD | 73,233.58CR  |   |
|   |              | GIVA | ND TOTAL FOR PERTOD | 13,233.36CR  |   |

3/10/2022 12:14 PM ZONE: ALL ZONES SERVICE: 200-WATER IDLE METER REPORT

PAGE: 1

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

| Book         | Services | Addresses |
|--------------|----------|-----------|
| 02 - BOOK 02 | 2        | 1         |
| 04 - BOOK 04 | 2        | 0         |
| 08 - BOOK 08 | 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 - BOOK 20 | 1        | 1         |
| 21 - BOOK 21 | 3        | 2         |
| 28 - BOOK 28 | 1        | 1         |
| 29 - BOOK 29 | 1        | 1         |
| 32 - BOOK 32 | 1        | 1         |
| Grand Totals | 31       | 15        |

\*

3/10/2022 12:15 PM

DATES: 2/01/2022 THRU 2/28/2022

\*\*\* BILLED CONSUMPTION REPORT \*\*\* PAGE: 365

TYPE: \* - All

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

|           | NUMBER | BILL       | TOTAL      | DEMAND | TAX    | BILL       |
|-----------|--------|------------|------------|--------|--------|------------|
| SERV CATG | BILLED | CONS       | CONS       | CONS   | AMOUNT | AMOUNT     |
| S         | 2,642  | 14,643,900 | 14,643,900 |        | \$     | 342,122.00 |
| SR        | 2,670  | 0          | 0          |        |        |            |
| SR2       | 2,690  | 0          | 0          |        | \$     | 82,700.10  |
| W         | 5,345  | 18,317,500 | 18,317,500 |        | \$     | 216,349.00 |

3/01/2022 12:57 PM

#### ACCOUNT AGING REPORT

PAGE:

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## 

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

| -            | REVENUE CODE:             | CURRENT                 | +1 MONTHS        | +2 MONTHS | +3 MONTHS        | +4 MONTHS        | BALANCE                 |
|--------------|---------------------------|-------------------------|------------------|-----------|------------------|------------------|-------------------------|
|              | 081-NSF CK FEE            | 0.00                    | 8.71             | 3.51      | 3.51             | 4.27             | 20.00                   |
|              | 20C-WTR MDT               | 70913.34                | 14292.55         | 6288.48   | 3556.71          | 10958.84         | 106009.92               |
|              | 201-WATER TURN ON         | 0.00                    | 21.72            | 17.96     | 23.32            | 29.10            | 92.10                   |
|              | 203-WTR MDT COMMERCIAL    | 86991.27                | 7096.16          | 306.91    | 234.01           | 251.64           | 94879.99                |
|              | 206-CUSTOMER CHARGE       | 10576.73                | 2150.62          | 819.58    | 457.92           | 3005.38          | 17010.23                |
|              | 207-SERVICE CHG / METER   | 41544.12                | 8477.30          | 3172.75   | 1773.59          | 11688.63         | 66656.39                |
|              | 210-WTR ROYAL             | 6791.50                 | 0.00             | 0.00      | 0.00             | 0.00             | 6791.50                 |
|              | 220-WTR L SWT             | 50.23                   | 0.00             | 0.00      | 0.00             | 0.00             | 50.23                   |
|              | 230-SURCHARGE WATER/SEWER | 16.28                   | 30.63            | 26.18     | 28.48            | 1923.60          | 2025.17                 |
|              | 231-SURCHARGE WATER/SEWER | 77458.94                | 6139.13          | 1322.60   | 556.98           | 1087.35          | 86565.00                |
|              | 275-WTR PEN               | 182.07CR                | 881.86           | 347.25    | 153.49           | 710.25           | 1910.78                 |
|              | 300-SWR MDT               | 280893.73               | 45004.33         | 14051.87  | 8023.60          | 21828.49         | 369802.02               |
|              | 306-SW CUST CHARGE        | 55006.62                | 11531.16         | 4442.56   | 2542.09          | 26992.53         | 100514.96               |
|              | 375-SWR PEN               | 257.12CR                | 1510.20          | 600.12    | 260.90           | 1719.74          | 3833.84                 |
|              | 996-UNAPPLIED             | 13792.27CR              | 0.00             | 0.00      | 0.00             | 0.00             | 13792.27CR              |
| <del>-</del> | 999-refund<br>TOTALS      | 16726.48CR<br>599284.82 | 0.00<br>97144.37 | 0.00      | 0.00<br>17614.60 | 0.00<br>80199.82 | 16726.48CR<br>825643.38 |
|              |                           |                         |                  |           |                  |                  |                         |

TOTAL REVENUE CODES: TOTAL ACCOUNT BALANCE: 825,643.38 825,643.38 0.00

DIFFERENCE:

3/10/2022 12:34 PM ZONE: < All Zones > MXU REPORT

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GROUP: \* - All Groups

SORT: ACCOUNT

| METER NO#   | ACCOUNT NO# | NAME | ADDRESS | MXU TYPE | MXU ID             |
|-------------|-------------|------|---------|----------|--------------------|
|             |             |      |         |          |                    |
| W 69632167  | INVENTORY   |      |         |          | 1460195756 Duplica |
| W 70112613A | INVENTORY   |      |         |          | 1470321453 Duplica |
| W 70112613  | INVENTORY   |      |         |          | 1470321452 Duplica |
| W 70323396  | INVENTORY   |      |         |          | 1471966926 Duplica |
| W 70323396A | INVENTORY   |      |         |          | 1471966927 Duplica |
| W 70323397A | INVENTORY   |      |         |          | 1470157603 Duplica |
| W 70323397  | INVENTORY   |      |         |          | 1470157602 Duplica |
| W 69632184  | INVENTORY   |      |         |          | 1542361382         |
| W 35670264  | INVENTORY   |      |         |          | 1440131648 Duplica |
| W 35670270  | INVENTORY   |      |         |          | 1542411182         |
| W 35670271  | INVENTORY   |      |         |          | 1440096730 Duplica |
| W 35670267  | INVENTORY   |      |         |          | 1551255668         |
| W 36512912  | INVENTORY   |      |         |          | 1460079314 Duplica |
| W 36512915  | INVENTORY   |      |         |          | 1568109238         |
| W 36512901  | INVENTORY   |      |         |          | 1440121830 Duplica |
| W 36512922  | INVENTORY   |      |         |          | 1460197074 Duplica |
| W 37016026  | INVENTORY   |      |         |          | 1470153476         |
| W 27016014  | INVENTORY   |      |         |          | 1548612198         |
| W 85441897  | INVENTORY   |      |         |          | 1563419820         |
| W 53388599  | INVENTORY   |      |         |          | 1551754996         |
| W 10871871  | INVENTORY   |      |         |          | 1568031178         |
|             |             |      |         |          |                    |

<sup>\*\*\*</sup> TOTAL METERS IN SERVICE 2723

<sup>\*\*\*</sup> TOTAL METERS IN INVENTORY 679

3/16/2022 1:26 PM

SERVICE ORDER STATISTICS REPORT

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|      |                   |        | ISSUED    | THIS PERIO | D           |           | PRIOR ORD | ERS         | TOTAL     | TOTAL       |
|------|-------------------|--------|-----------|------------|-------------|-----------|-----------|-------------|-----------|-------------|
| ACTI | ON                | ISSUED | COMPLETED | VOIDED     | OUTSTANDING | COMPLETED | VOIDED    | OUTSTANDING | COMPLETED | OUTSTANDING |
|      |                   |        |           |            |             |           |           |             |           |             |
| C    | CONNECT           | 1      | 1         | 0          | 0           | 128       | 4         | 0           | 129       | 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        | 16     | 16        | 0          | 0           | 2,980     | 76        | 0           | 2,996     | 0           |
| M    | METER CHANGE      | 6      | 6         | 0          | 0           | 595       | 6         | 0           | 601       | 0           |
| 0    | OCC CHANGE        | 13     | 13        | 0          | 0           | 1,232     | 2         | 0           | 1,245     | 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              | 4      | 4         | 0          | 0           | 759       | 22        | 0           | 763       | 0           |
| *    | * GRAND TOTALS ** | 40     | 40        | 0          | 0           | 5,777     | 118       | 0           | 5,817     | 0           |

| 00 - 0 a 2 1 1 20 2          | (0)/10                                | N WIN  | 15/8/   | TRACT.                 | Transfer of                       |                        | TEL FOR               | FEBRL       | JARY 20           | 122 CUST     | OMER        | SERVICE   | CALLS                | Z/ 100         | ALAD S | AND DO                       |                       | SHEETS             |                         | 1              | S. S. BUSH                           | 141-16                      | A SUPPLY         | 200       |
|------------------------------|---------------------------------------|--|---------|------------------------|-----------------------------------|------------------------|-----------------------|-------------|-------------------|--------------|-------------|-----------|----------------------|----------------|--------|------------------------------|-----------------------|--------------------|-------------------------|----------------|--------------------------------------|-----------------------------|------------------|-----------|
|                              | Name of Street                        | Participan   | SELVE   | Name of Street         | THE RELLEGI                       |                        | C-12-1                | d 100       |                   | SUEZ MIU     |             |           |                      |                | 1      |                              | The same              | 100                |                         | 100            | the same                             |                             | o chira          | O N       |
|                              | How C                                 | ontact Was R   | eceived | _                      |                                   |                        |                       |             |                   | Custor       | ner Service | Inquiries |                      |                |        |                              |                       |                    |                         | Fleld          | Service Rec                          | uests                       | Fie              | eld Reque |
| <u>Date</u>                  | Call direct<br>to<br>Middletown<br>CS | Customer<br>Corresponda<br>nce<br>(Letters/Em<br>alls) | TOTALS  | Calls for<br>Other Ops | Calls from<br>City / Other<br>Org | AppleTree<br>Hold Call | General<br>Acct, Info | Copy Of Bit | Correct.<br>Bills | Bill Inquiry | Rates       | Payment   | Collection<br>Letter | New<br>Account | Finals | Meter<br>Reading/Re<br>Reads | Service<br>Complaints | C.S. Thank<br>Yous | Sewer Back<br>up or SSO | Water<br>Leaks | Broke,<br>Froze,<br>Leaking<br>Meter | No<br>Water/Low<br>Pressure | Water<br>Quality |           |
| Tuesday, February 1, 2022    | 23                                    | 7  | 30      |                        |                                   |                        |                       |             |                   | 2            |             | 21        |                      |                |        |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Wednesday, February 2, 2022  | 43                                    | 17   | 60      | 2                      |                                   |                        |                       |             |                   | 7            | 1           | 23        | 5                    | 2              | 3      |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Thursday, February 3, 2022   | 25                                    | 9  | 34      |                        |                                   |                        |                       |             |                   | 2            |             | 23        |                      |                |        | 1                            |                       |                    |                         |                |                                      |                             |                  |           |
| Friday, February 4, 2022     | 0                                     | 3  | 3       |                        |                                   |                        |                       |             |                   |              |             |           |                      |                |        |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Monday, February 7, 2022     | 70                                    | 8  | 78      | 2                      |                                   |                        | 2                     |             |                   | 9            | 1           | 53        | 1                    | 2              |        |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Tuesday, February 8, 2022    | 40                                    | . 8  | 48      |                        |                                   |                        |                       |             |                   | 6            |             | 34        |                      |                |        |                              |                       |                    |                         |                | _                                    |                             |                  |           |
| Wednesday, February 9, 2022  | 50                                    | 13   | 63      | 3                      |                                   |                        | 3                     |             |                   | 8            | 2           | 32        | 2                    |                |        |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Thursday, February 10, 2022  | 35                                    | 2  | 37      |                        |                                   |                        | 2                     |             |                   | 5            |             | 23        | 5                    |                |        |                              |                       |                    |                         |                |                                      |                             | _                |           |
| Friday, February 11, 2022    | 47                                    | 3  | 50      | 3                      |                                   |                        |                       |             |                   | 6            |             | 38        |                      |                |        |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Monday, February 14, 2022    | 48                                    | 4  | 52      |                        |                                   |                        |                       |             |                   | 5            |             | 40        | 3                    |                |        |                              |                       |                    |                         |                |                                      |                             |                  | -         |
| Tuesday, February 15, 2022   | 84                                    | 9  | 93      |                        |                                   |                        |                       |             |                   | 5            |             | 75        | 4                    |                |        |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Wednesday, February 16, 2022 | 58                                    | 10   | 68      | 3                      |                                   |                        |                       |             |                   | 4            |             | 41        | 10                   | i —            |        | -                            |                       |                    |                         |                |                                      |                             |                  |           |
| Thursday, February 17, 2022  | 51                                    | 4  | 55      | 2                      |                                   |                        |                       |             |                   | 5            |             | 39        | 5                    |                |        |                              |                       |                    |                         |                |                                      |                             |                  | -         |
| Friday, Febriary 18, 2022    | 55                                    | 2  | 57      |                        |                                   |                        |                       |             |                   | 5            |             | 46        | 4                    |                |        |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Monday, February 21, 2022    | 23                                    | 2  | 25      | 2                      |                                   |                        |                       |             |                   |              | -           | 21        |                      |                |        |                              | _                     |                    |                         | _              | _                                    |                             | -                | _         |
| Tuesday, February 22, 2022   | 30                                    | 3  | 33      | 1                      |                                   |                        |                       |             |                   | 6            |             | 17        | 6                    |                |        |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Wednesday, February 23, 2022 | 28                                    | 5  | 33      | 3                      |                                   |                        | 2                     |             |                   | 4            | 3           | 14        |                      | 2              | 3      |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Thursday, February 24, 2022  | 15                                    | _ 4  | 19      | 1                      |                                   |                        | 2                     |             |                   |              |             | 10        |                      |                | 2      |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Friday, February 25, 2022    | 34                                    | 3  | 37      | 2                      |                                   |                        |                       |             |                   | 5            | 1           | 24        | 2                    |                |        |                              |                       |                    |                         |                |                                      |                             |                  |           |
| Monday, February 28, 2022    | 42                                    | 3  | 45      | 1                      |                                   |                        | 1                     |             |                   | 15           |             | 23        |                      | 1              | 1      |                              |                       |                    |                         |                |                                      |                             |                  |           |
| ND TOTALS                    | 401                                   | 119  | 920     | 26                     |                                   |                        | 12                    |             | _                 | 99           |             | 697       | 47                   |                | -      |                              |                       | -                  |                         |                | -                                    | .0                          |                  | _         |

#### Partner Reporting Dashboard

Back to Partner Select Page

#### SUEZ (Middletown)

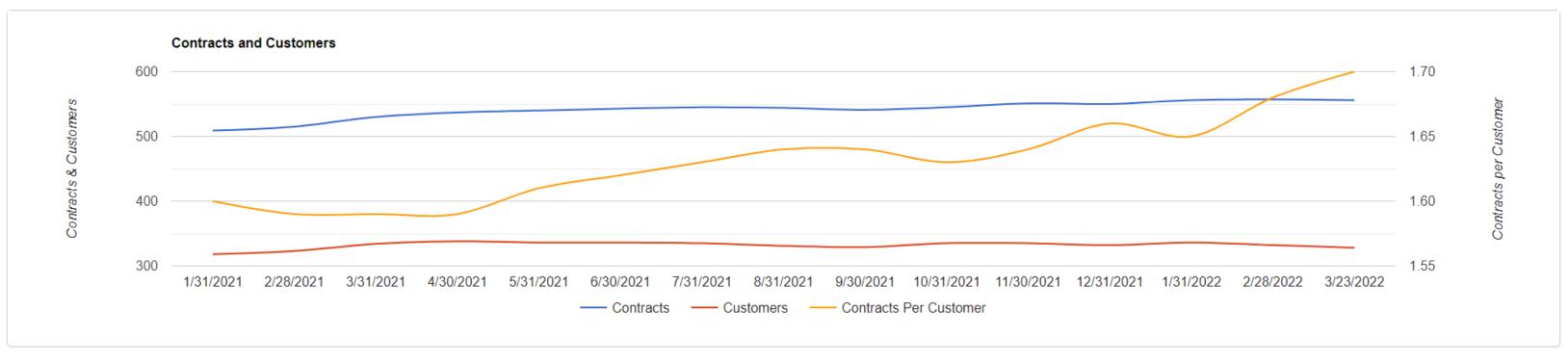
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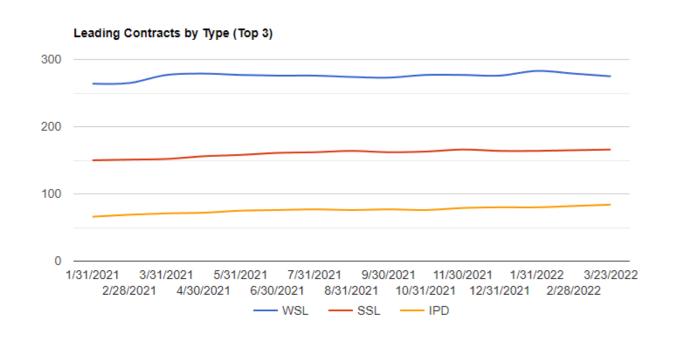
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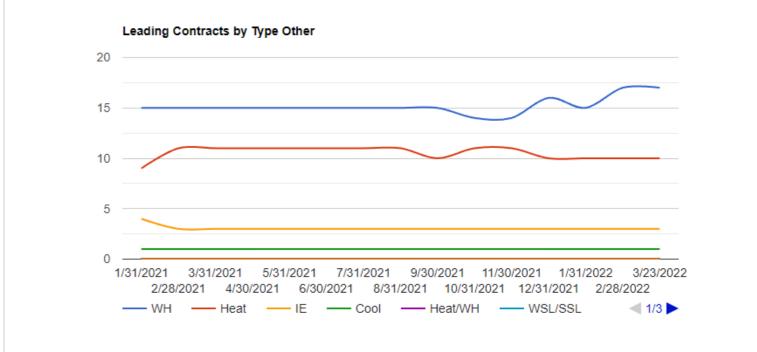
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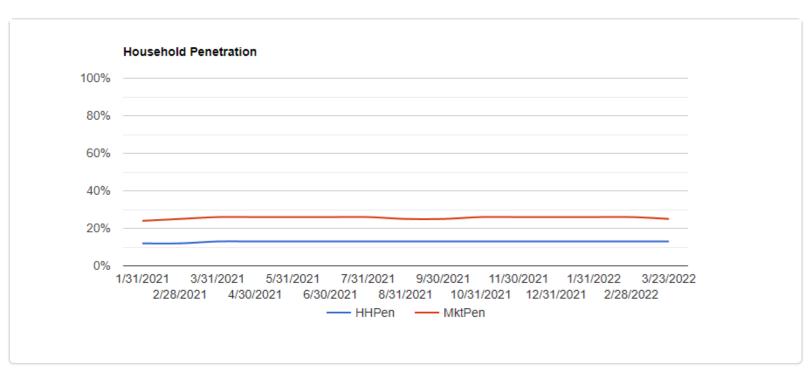


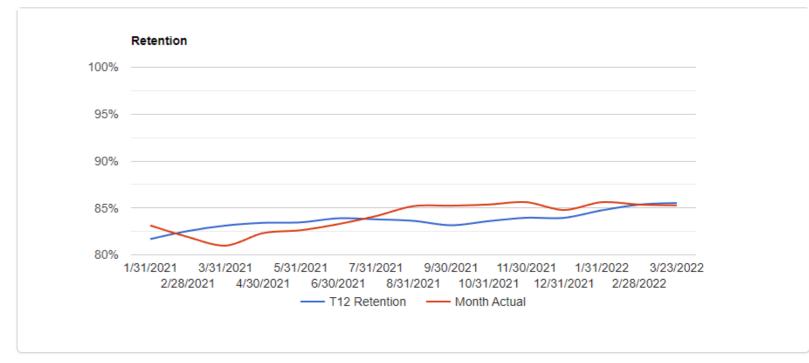
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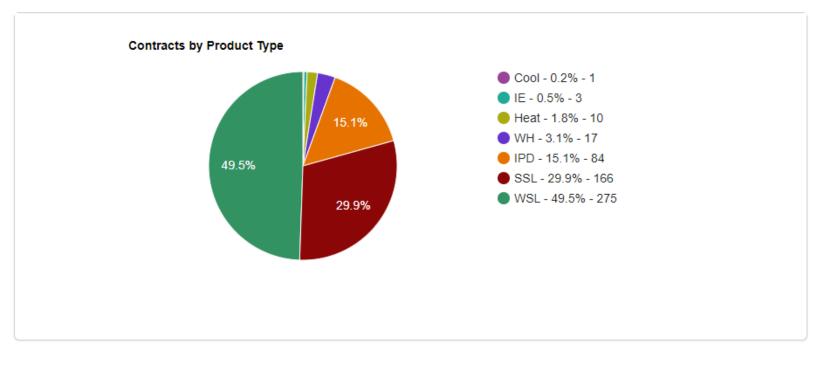


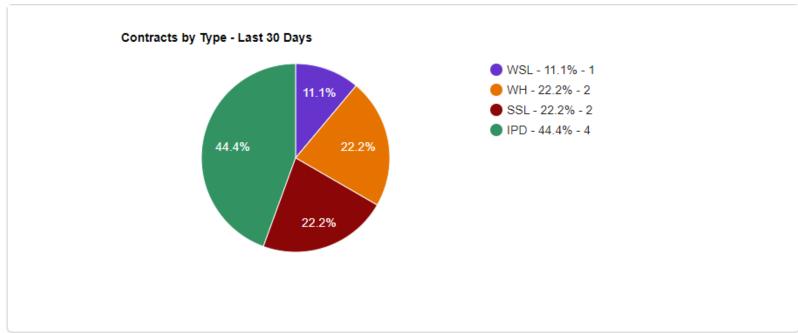


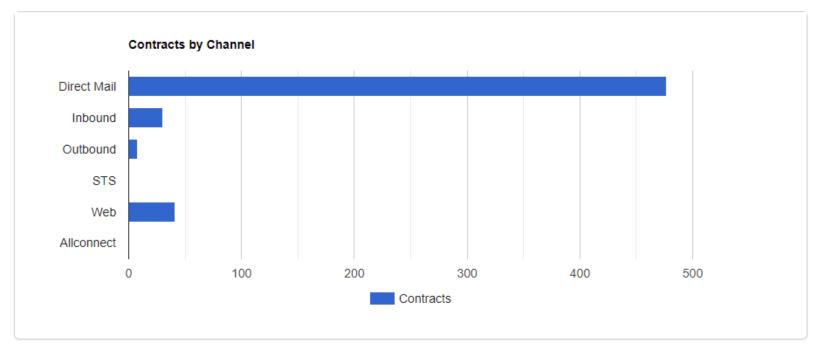


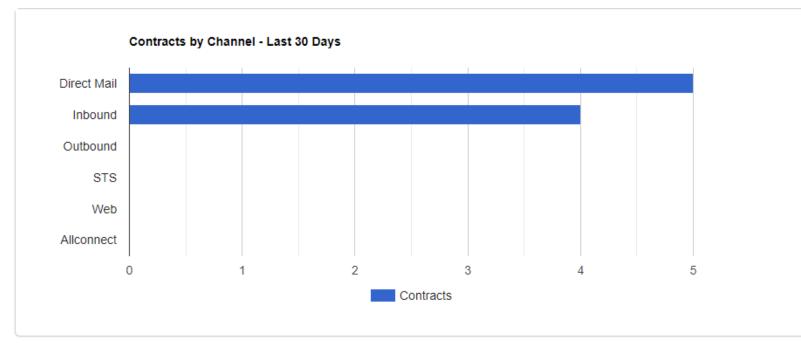


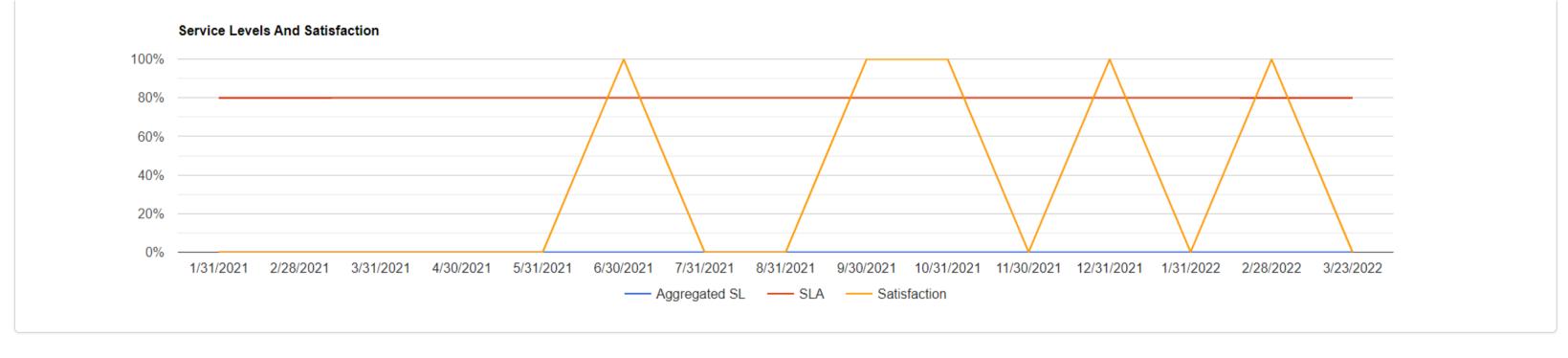


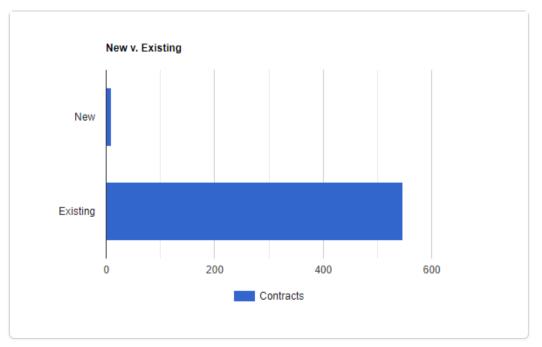




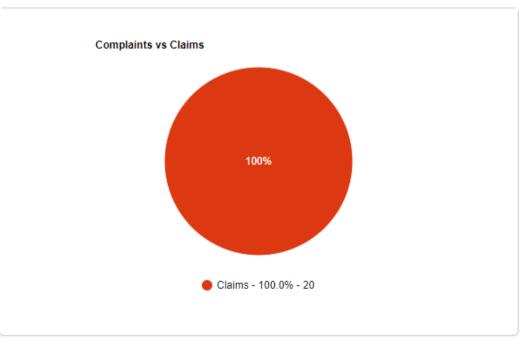


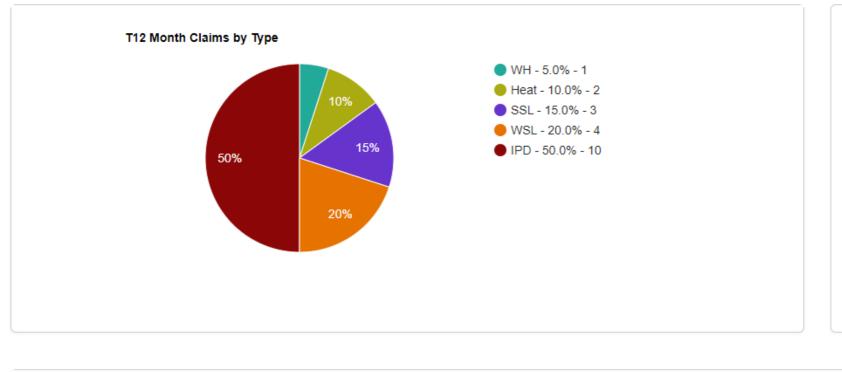


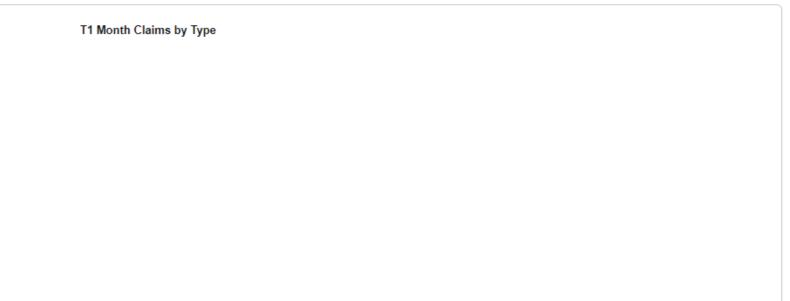


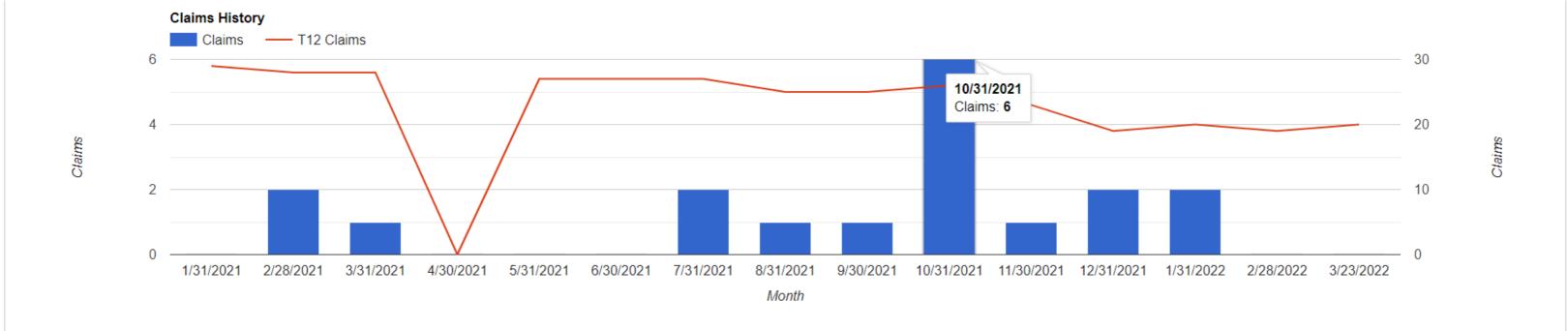












## **MIDDLETOWN MONTHLY REPORT**

## **APPENDIX 4**

## **WATER MAIN LEAK LOGS**

| Borough of Mid<br>Street Opening   |  |
|--|--|
| Contractor's Name:   | Application Date: 2-17-22  |
| Phone Number: 717 948 - 30 35  | Date of Opening: $\frac{1}{2}$ - 17 - 22   |
| Date of Completion: $2 - 17 - 22$  | Emergency: X YesNo   |
| STREET OPENING PERMIT issued to: $\frac{SUEZ}{NA}$ for permission to excavate Borough streets abutting $\frac{NA}{2}$ make the following connection(s): $\frac{SEX_{VICE}}{NA}$  | STREET ADDRESS   |
| Length 6 ft Width 30'1 10 Depth 3 ft   |  |
| Distance from nearest Intersection 36 ft N/S/E/W Nearest Provide Condition of Street 6006 Ex   | arest Street Intersection Scott Ave  |
| Type of Material Disturbed: Macadam; Concr   |  |
| Pavement less than five (5) years old X Yes  | No Existing paving depthOin  |
| Provide GPS coordinates for the shape of the proposed ro<br>completed work shall be provided to Middletown in JPEC   | i format.  |
| This permit is issued with the understanding that the provisions of Orunder Borough Highways passed March 5, 2019 will be adhered to.  | dinance 1358 regulating openings and excavations in or   |
| In consideration of the issuance of the permit applied for above, the follows:   | undersigned, intending to be legally bound, agrees as  |
| <ol> <li>To do all work authorized by the permit in accordance with<br/>orders, and to complete the work on or before the date set for<br/>(2) years from completion; to immediately repair same show<br/>year period</li> </ol>   | ald the work become unsatisfactory within such two (2)   |
| 2. To well and truly save, defend and keep harmless, Middleto and indemnify it against any and all actions, suits, demands attorneys and expert fees) for damages or injury occurring act or omission of the undersigned, or the undersigned's, ag work by or at the instance of the undersigned from the failure of Middletown Streets and Sidewalks Ordinance. | o any person or property through or in consequence of any person, contractor, engaged in, about or upon said |
| Date: 1 - 17 - 12 Permittee:   |  |

Date Application Approved by the Borough of Middletown

By:\_\_\_\_\_\_ Title:\_\_\_\_\_

No.\_\_\_\_\_

## **MIDDLETOWN MONTHLY REPORT**

#### **APPENDIX 5**

# QUARTERLY METER TEST AND CALIBRATION REPORTS

# MIDDLETOWN MONTHLY REPORT

## **APPENDIX 6**