

**Application of Pennsylvania-American Water Company for Acquisition of
the Wastewater Assets of the Township of Exeter
66 Pa. C.S. §1329
Application Filing Checklist – Water/Wastewater
Docket No. A-2018-_____**

20. Proof of Compliance. Provide proof of compliance with applicable design, construction and operation standards of DEP or of the county health department, or both, including:
- c. For **wastewater** system acquisitions, provide a copy of the Chapter 94 Municipal Wasteload Management Report that was most recently submitted to DEP.

RESPONSE:

- c. See enclosed Chapter 94 Municipal Wasteload Management Annual Report for the Township of Exeter as provided by the Township.

EXETER TOWNSHIP
BERKS COUNTY
PENNSYLVANIA

CHAPTER 94 - MUNICIPAL
WASTELOAD MANAGEMENT
ANNUAL REPORT 2017

MARCH 2018

Prepared By: Great Valley Consultants
Wyomissing, PA 19610

Permittee: Exeter Township
4975 DeMoss Road
Reading, PA 19606



CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT

For Calendar Year: 2017

- Permittee is owner and/or operator of a POTW or other sewage treatment facility
 Permittee is owner and/or operator of a collection system tributary to a POTW not owned/operated by permittee

| GENERAL INFORMATION | | | |
|---------------------|----------------------------|-------------------|--------------------------|
| Permittee Name: | Exeter Township | Permit No.: | PA0026972 |
| Mailing Address: | 4975 Demoss Road | Effective Date: | |
| City, State, Zip: | Reading, PA 19606 | Expiration Date: | N/A |
| Contact Person: | Dan Farris | Renewal Due Date: | N/A |
| Title: | Operator | Municipality: | Exeter Township |
| Phone: | 610-582-8300 | County: | Berks |
| Email: | dfarris@exetertownship.com | Consultant Name: | Great Valley Consultants |

CHAPTER 94 REPORT COMPONENTS

1. Attach to this report a line graph depicting the monthly average flows (expressed in MGD) for each month for the past 5 years and projecting the flows for the next 5 years. The graph must also include a line depicting the hydraulic design capacity per the WQM permit. (25 Pa. Code § 94.12(a)(1))

Check the appropriate boxes:

- Line graph for flows attached (**Attachment A**)
 DEP Chapter 94 Spreadsheet used (**Attachment A**)
 Section 1 is not applicable (report is for a collection system).

2. Attach to this report a line graph depicting the monthly average organic loads (express as lbs BOD5/day) for each month for the past 5 years and projecting the organic loads for the next 5 years. The graph must also include a line depicting the organic design capacity of the treatment plant per the WQM permit. (25 Pa. Code § 94.12(a)(2))

Check the appropriate boxes:

- Line graph for organic loads attached (**Attachment A**)
 DEP Chapter 94 Spreadsheet used (**Attachment A**)
 Section 2 is not applicable (report is for a collection system).

3. If the DEP Chapter 94 Spreadsheet was not used to determine projections, discuss the basis for the hydraulic and organic projections. In all cases, include a description of the time needed to expand the plant to meet the load projections, if necessary, and data used to support the projections should be included in an appendix to this report. (25 Pa. Code § 94.12(a)(3))

N/A, DEP Chapter 94 Spreadsheet was used.

4. Attach a map showing all sewer extensions constructed within the past calendar year, sewer extensions approved or exempted in the past year in accordance with Act 537 and Chapter 71, but not yet constructed, and all known proposed projects which require public sewers but are in the preliminary planning stages. The map must be accompanied by a list summarizing each extension or project and the population to be served by the extension or project. If a sewer extension approval or proposed project includes schedules describing how the project will be completed over time, the listing should include that information and the effect this build-out-rate will have on populations served. (25 Pa. Code § 94.12(a)(4))

Check the appropriate boxes:

- Map showing sewer extensions constructed, approved/exempted but not yet constructed, and proposed projects attached (**Attachment D**)
- List summarizing each extension or project attached (**Attachment**)
- Schedules describing how each project will be completed over time and effects attached (**Attachment**)

Comments:

There were no sewer extensions completed in 2017. There are 2 sewer extensions that are shown on the attached map. One extension is for 2 EDUs (441 gpd) for the Daniel Boone Homestead. This extension will consist of the connection of a private low pressure force main to Exeter's existing sewer system. The sewage flows are from an existing holding tank for the Homestead that will be replaced with a pump station to convey the flow to Exeter's sewer system. The second extension is for the Windy Willow Subdivision. This subdivision will have the potential for 25 EDUs to be connected to the Township's existing sewer system. The Windy Willows Subdivision has not received final plan approval at this time. The construction schedule for this Subdivision cannot be determined until the Subdivision plans receive final approval. The summary of extensions is included in these comments and in Section 3 in the enclosed report.

5. Discuss the permittee's program for sewer system monitoring, maintenance, repair and rehabilitation, including routine and special activities, personnel and equipment used, sampling frequency, quality assurance, data analyses, infiltration/inflow monitoring, and, where applicable, maintenance and control of combined sewer regulators during the past year. Attach a separate sheet if necessary. (25 Pa. Code § 94.12(a)(5))

See Section 4 of the enclosed Report

6. Discuss the condition of the sewer system including portions of the system where conveyance capacity is being exceeded or will be exceeded in the next 5 years and portions where rehabilitation or cleaning is needed or is underway to maintain the integrity of the system and prevent or eliminate bypassing, CSOs, SSOs, excessive infiltration and other system problems. Attach a separate sheet if necessary. (25 Pa. Code § 94.12(a)(6))

Check the appropriate boxes:

- System experienced capacity-related bypassing, SSOs or surcharging during the report year. On a separate sheet, list the date, location, and reason for each bypass, SSO or surcharge event.
- System did not experience capacity-related bypassing, SSOs or surcharging during the report year.

Comments:

See Section 4 of the Report and Attachment H.

7. Attach a discussion on the condition of sewage pumping (pump) stations. Include a comparison of the maximum pumping rate with present maximum flows and the projected 2-year maximum flows for each station. (25 Pa. Code § 94.12(a)(7))

Check the appropriate boxes:

- The collection system does not contain pump stations
 The collection system does contain pump stations (Number – 6)
 Discussion of condition of each pump station attached (**Attachment B**)

8. If the sewage collection system receives industrial wastes (i.e., non-sanitary wastes), attach a report with the information listed below. (25 Pa. Code § 94.12(a)(8))

- a. A copy of any ordinance or regulation governing industrial waste discharges to the sewer system or a copy of amendments adopted since the initial submission of the ordinance or regulation under Chapter 94, if it has not previously been submitted.
- b. A discussion of the permittee's or municipality's program for surveillance and monitoring of industrial waste discharges into the sewer system during the past year.
- c. A discussion of specific problems in the sewer system or at the plant, known or suspected to be caused by industrial waste discharges and a summary of the steps being taken to alleviate or eliminate the problems. The discussion shall include a list of industries known to be discharging wastes which create problems in the plant or in the sewer system and action taken to eliminate the problem or prevent its recurrence. The report may describe pollution prevention techniques in the summary of steps taken to alleviate current problems caused by industrial waste dischargers and in actions taken to eliminate or prevent potential or recurring problems caused by industrial waste dischargers.

Check the appropriate boxes:

- Industrial waste report as described in 8 a., b. and c. attached (**Attachment**)
 Industrial pretreatment report as required in an NPDES permit attached (**Attachment G**)

9. Existing or Projected Overload.

Check the appropriate boxes:

- This report demonstrates an existing hydraulic overload condition.
 This report demonstrates a projected hydraulic overload condition.
 This report demonstrates an existing organic overload condition.
 This report demonstrates a projected organic overload condition.

If one or more boxes above have been checked, attach a Corrective Action Plan (CAP) to reduce or eliminate present or projected overloaded conditions under §§ 94.21 and/or 94.22 (relating to existing overload and projected overload). (25 Pa. Code § 94.12(a)(9))

- Corrective Action Plan attached (**Attachment**)

10. Where required by the NPDES permit, attach a Sewage Sludge Management inventory that demonstrates a mass balance of solids coming in and leaving the facility over the previous calendar year.

- Sewage Sludge Management Inventory attached (**Attachment**)

11. For facilities with CSOs and where required by the NPDES permit, attach an Annual CSO Report (including satellite combined sewer systems).

Annual CSO Report attached (**Attachment**)

12. For POTWs, attach a calibration report documenting that flow measuring, indicating and recording equipment has been calibrated annually. (25 Pa. Code § 94.13(b))

Flow calibration report attached (**Attachment E**)

RESPONSIBLE OFFICIAL CERTIFICATION

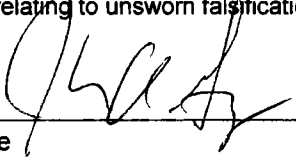
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

John Granger

Name of Responsible Official

(610) 779-5660

Telephone No.



Signature

3/20/18

Date

PREPARER CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared by me or otherwise under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. 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 knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Eric D. McCracken, PE

Name of Preparer

(610) 375-8822

Telephone No.



Signature

3/20/18

Date

EXETER TOWNSHIP
BERKS COUNTY, PENNSYLVANIA

CHAPTER 94 - MUNICIPAL WASTELOAD MANAGEMENT

ANNUAL REPORT - 2017

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ATTACHMENTS

- A. DEP Chapter 94 Spreadsheet and Figures
- B. Table 1: Pumping Stations- Historical Flows
- C. Table 2: Pump Stations- Flow Projections
- D. Sanitary Sewage Collection and Extension Map
- E. Flow Meter Calibration Certifications
- F. Contributing Municipality Worksheets
- G. 2017 Municipal Industrial Pretreatment Program and Pretreatment Performance
Summary
- H. Sanitary Sewer Overflow Information

EXETER TOWNSHIP
BERKS COUNTY, PENNSYLVANIA

CHAPTER 94 - MUNICIPAL WASTELOAD MANAGEMENT

ANNUAL REPORT 2017

1. INTRODUCTION

The wastewater treatment plant (WWTP) is owned and operated by Exeter Township under NPDES Permit No. PA0026972. The WWTP treats wastewater originating from Exeter Township, St. Lawrence Borough and small portions from Alsace Township and Lower Alsace Township in Berks County, Pennsylvania. The WWTP consists of two separate treatment trains, the East WWTP and the West WWTP. The East WWTP is used exclusively for the equalization of high-strength residual waste, as needed. The West WWTP consists of the Main pumping Station, Headworks Building, four (4) Primary Clarifiers, three (3) First Stage Aeration Tanks, two (2) Second Stage Aeration Tanks, four (4) Final Clarifiers and two (2) Chlorine Contact Tanks.

The WWTP (combined East and West) is currently permitted for an annual average daily flow capacity of 7.10 MGD and a maximum month average daily flow capacity of 9.63 MGD. Additionally, the WWTP is permitted for a maximum month organic loading capacity of 20,289 pounds BOD₅/day (lbs. BOD₅/day). The West WWTP has a maximum month flow capacity of 8.43 MGD and a maximum month organic loading capacity of 17,739 lbs. BOD₅/day.

Solids production and processing is handled in several phases. Raw sludge from the primary clarifiers is pumped directly to one of the two (2) Primary Anaerobic Digesters. Waste Activated Sludge (WAS) from the system is gravity thickened before being pumped to one of the two (2) primary Anaerobic Digesters. After digestion, the stabilized biosolids are transferred to a sludge holding tank and dewatered by one of two (2) centrifuges. A sludge dryer provides drying of dewatered biosolids. Dried biosolids are disposed at a landfill.

The collection system collects domestic sewage and industrial wastes and conveys them through 87 miles of interceptor sewers to the WWTP. The system includes six (6) pumping stations.

2. DISCUSSION OF HYDRAULIC AND ORGANIC LOADINGS

Hydraulic loadings from 2013-2017 are summarized in the DEP spreadsheet found in Attachment A. The annual average wastewater flow to the WWTP during 2017 was 3.351 MGD with a max 3-month average of 3.95 MGD (March, April and May). The

ratio of the max 3-month average flow to the annual average flow for 2017 was 1.18. The West WWTP current 8.43 MGD maximum month permitted hydraulic capacity was not exceeded as a monthly average in 2017. The WWTP effluent flow meter is calibrated once per year and copies of the 2017 flow meter calibration certifications are included in Attachment E.

Organic loadings from 2013-2017 are summarized in the DEP spreadsheet found in Attachment A. The total combined annual average organic loading to the WWTP in 2017 was 8,098 lbs. BOD₅/day which is a combination of the loadings from the collection system and the hauled waste program as shown in the DEP spreadsheet found in Attachment A. The maximum monthly average BOD₅/day was 10,055lbs. The ratio of the max month organic loading to the annual average organic loading was 1.24.

3. COLLECTION SYSTEM CONNECTIONS AND EXTENSIONS

There are 2 proposed/potential developments that will add 27 EDUs to Exeter Townships sewer system. Two EDUs are for a connection at the Daniel Boone Homestead and 25 EDUs are for the Windy Willows Subdivision. Both developments will add flow to Exeter Township's collection system. Windy Willows will have homes in adjacent municipalities, but do to lot sizes, these lots are anticipated to have on-lot sewage treatment. Based on the information received from the contributing municipalities, there are no proposed flows anticipated over the next five years except for the items noted above.

As indicated in the 2016 Chapter 94 Report, Exeter Township had 106 potential new connections in approved subdivisions. Of these 106 potential connections, 12 new connections for 12 EDUs were connected in 2017. There was one other residential connection added in 2017 for a total of 13 residential connections/EDUs. This leaves 94 potential EDUs (24,534 gpd) remaining to be connected without including the Windy Willows Subdivision or the Daniel Boone Homestead.

The Exeter Township flow/EDU was calculated based on the 2010 Census figure of 2.61 persons per occupied dwelling and 100 gallons per capita per day.

The DEP Ch. 94 Spreadsheet was used to determine hydraulic and organic loading projections for the 5-year projection period (2018-2022). The figures show that the 5-year projected loads are well below the West WWTP's maximum monthly hydraulic and organic capacities.

Contributing Municipality worksheets were sent to the Borough of St. Lawrence, Lower Alsace Township and Alsace Township for completion. Completed worksheets can be found in Attachment F.

A map showing the existing collection system is included in Attachment D. The map in Attachment D shows proposed sewer extensions over the next 5 years.

4. COLLECTION SYSTEM MONITORING, MAINTENANCE, REPAIR AND
CONDITION

Township personnel were responsible for operation and maintenance of the WWTP, as well as the Township collection system and pumping stations in 2017. Collection system maintenance includes regular flushing, televising, maintenance of right-of-ways and repair and replacement of mains and manholes including trenchless cured in place pipe lining and root control as needed.

Collection system maintenance activities and preventative inspections continued to address inflow/infiltration (I/I) problems. Information provided in the Townships monthly activity reports shows a continuation of the Township's flushing and televising program. Approximately 43,500 feet of main lines were flushed and approximately 47,400 feet of main lines were televised in 2017 (assuming 300' per main run). In addition, 159 service laterals were televised and 65 manholes were repaired.

Township personnel also responded to and flushed 28 service lateral blockages in 2017.

Township personnel also conducted water meter reading and sampled commercial and industrial customers for surcharges.

Township personnel continue to implement a comprehensive Preventative Maintenance (PM) program to address sewer system operation and maintenance. The PM program focusses on identification and subsequent repair of system defects and active sources of I/I. The Township WWTF is currently being operated by an operations firm that was hired by the Township.

The Township continues to utilize and update an electronic sewer index map using Geographical Information System (GIS) mapping software. The map is used to identify and label all sanitary collection system characteristics.

There was one Sanitary Sewer Overflow (SSO) in 2017. The SSO was discovered on April 28, 2017 at manhole 142. Information related to this SSO can be found in Attachment H. A root blockage was the presumed cause for the first SSO, but additional investigation revealed that a broken inner manhole lid was found to be partially obstructing the line and was subsequently removed.

5. PUMPING STATIONS

The Township operates and maintains six (6) pump stations in the collection system.

Pumping Stations are inspected three times per week, except the Lincoln Road Pump Station which is inspected daily. Cleaning, repairs and routine maintenance items are performed regularly.

2017 preventive maintenance measures included flushing wet wells, exercising valves every 3 months, operating back-up generators under load and degreasing.

The average monthly flows of each pumping station are calculated based on the hours of operation of each pump, recorded from run-time meters, and the rated capacity of the pumps. Drawdown tests are performed annually on all pump stations (July and August 2017) to verify flow data.

See Attachments B & C for historical and projected pump station flows. Pumping station annual average daily flows from 2013-2017 are summarized in Attachment B. Anticipated pump station flows for the next two years are summarized in Attachment C.

Based on the hydraulic loading data and projections presented in Table 2, overload conditions at the Township's pumping stations are not anticipated during the 2-year projection period.

6. INDUSTRIAL WASTE REPORT

During 2017 the Township continued operation of the USEPA-approved Industrial Pretreatment Program (IPP). Five (5) significant industrial users are connected to the system, of which two are considered categorical users.

- a) BFK Corporation
- b) Godiva Chocolatier
- c) Pioneer Crossing Landfill
- d) SFSintec (Categorical User)
- e) Arkema (Categorical User)

All permitted industrial users were inspected and sampled in 2017, and all have submitted the required self-monitoring reports under the terms of their industrial discharge permits. The Township's 2017 Pretreatment Annual Report (Attachment G) indicated that there were no industrial discharge violations or significant non-compliance during the year.

The Township continued its high strength Wastewater Surcharge Program to monitor select non-residential dischargers throughout 2017.

The Township continued its practice to accept hauled wastes; leachate from several landfills, assorted commercial and industrial waste, residential septage, grease and sludge.

Attachment No. A



PADEP Chapter 94 Spreadsheet
Sewage Treatment Plants

Reporting Year:

Facility Name:

Permit No.:

Persons/EDU:

Existing Hydraulic Design Capacity: MGD

Existing Organic Design Capacity: lbs BOD5/day

Upgrade Planned in Next 5 Years? Year:

Upgrade Planned in Next 5 Years? Year:

Future Hydraulic Design Capacity: MGD

Future Organic Design Capacity: lbs BOD5/day

Monthly Average Flows for Past Five Years (MGD)

| Month | 2013 | 2014 | 2015 | 2016 | 2017 |
|-----------|-------|-------|-------|-------|-------|
| January | 3.5 | 4.216 | 2.922 | 3.061 | 3.467 |
| February | 3.904 | 4.599 | 2.937 | 5.2 | 2.83 |
| March | 3.716 | 4.486 | 5.498 | 3.173 | 3.893 |
| April | 3.564 | 4.72 | 3.406 | 2.768 | 4.41 |
| May | 3.862 | 4.894 | 2.673 | 3.383 | 3.546 |
| June | 3.589 | 3.202 | 3.416 | 2.705 | 3.159 |
| July | 3.287 | 2.963 | 3.309 | 2.814 | 3.848 |
| August | 2.947 | 2.639 | 2.545 | 2.574 | 3.492 |
| September | 2.412 | 2.717 | 2.48 | 2.503 | 3.313 |
| October | 3.096 | 2.624 | 2.758 | 2.433 | 2.749 |
| November | 2.634 | 2.652 | 2.448 | 2.413 | 2.82 |
| December | 4.015 | 3.502 | 3.193 | 3.072 | 2.69 |

Monthly Average BOD5 Loads for Past Five Years (lbs/day)

| Month | 2013 | 2014 | 2015 | 2016 | 2017 |
|-----------|-------|-------|--------|--------|--------|
| January | 6,099 | 6,597 | 6,112 | 9,011 | 8,711 |
| February | 6,362 | 7,325 | 6,750 | 10,576 | 7,616 |
| March | 7,284 | 7,099 | 10,096 | 9,172 | 8,555 |
| April | 8,109 | 8,243 | 7,415 | 8,289 | 7,902 |
| May | 6,203 | 7,509 | 8,281 | 7,542 | 7,614 |
| June | 6,336 | 6,853 | 9,353 | 7,380 | 6,884 |
| July | 6,092 | 6,204 | 8,489 | 6,846 | 7,114 |
| August | 6,412 | 6,621 | 8,435 | 7,014 | 7,665 |
| September | 6,892 | 7,650 | 6,986 | 6,585 | 10,055 |
| October | 6,934 | 6,369 | 7,087 | 7,938 | 7,563 |
| November | 6,628 | 7,806 | 6,743 | 7,837 | 8,348 |
| December | 6,345 | 7,317 | 10,012 | 7,778 | 9,149 |

| | | | | | |
|-------------------|--------|--------|--------|--------|--------|
| Annual Avg | 3.377 | 3.601 | 3.132 | 3.008 | 3.351 |
| Max 3-Mo Avg | 3.728 | 4.7 | 3.947 | 3.818 | 3.95 |
| Max : Avg Ratio | 1.10 | 1.31 | 1.26 | 1.27 | 1.18 |
| Existing EDUs | 856.0 | 885.0 | 919.0 | 949.0 | 962.0 |
| Flow/EDU (GPD) | 3945.1 | 4068.9 | 3408.1 | 3169.7 | 3483.4 |
| Flow/Capita (GPD) | 1127.2 | 1162.6 | 973.7 | 905.6 | 995.2 |
| Exist. Overload? | NO | NO | NO | NO | NO |

| | | | | | |
|------------------|-------|-------|--------|--------|--------|
| Annual Avg | 6,641 | 7,133 | 7,980 | 7,997 | 8,098 |
| Max Mo Avg | 8,109 | 8,243 | 10,096 | 10,576 | 10,055 |
| Max : Avg Ratio | 1.22 | 1.16 | 1.27 | 1.32 | 1.24 |
| Existing EDUs | 856 | 885 | 919 | 949 | 962 |
| Load/EDU | 7.759 | 8.060 | 8.683 | 8.427 | 8.418 |
| Load/Capita | 2.217 | 2.303 | 2.481 | 2.408 | 2.405 |
| Exist. Overload? | NO | NO | NO | NO | NO |

Projected Flows for Next Five Years (MGD)

| | 2018 | 2019 | 2020 | 2021 | 2022 |
|--------------------|--------|--------|--------|--------|--------|
| New EDUs | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
| New EDU Flow | 0.0723 | 0.0723 | 0.0723 | 0.0723 | 0.0723 |
| Proj. Annual Avg | 3.366 | 3.4383 | 3.5106 | 3.5829 | 3.6552 |
| Proj. Max 3-Mo Avg | 4.118 | 4.207 | 4.295 | 4.384 | 4.472 |
| Proj. Overload? | NO | NO | NO | NO | NO |

Projected BOD5 Loads for Next Five Years (lbs/day)

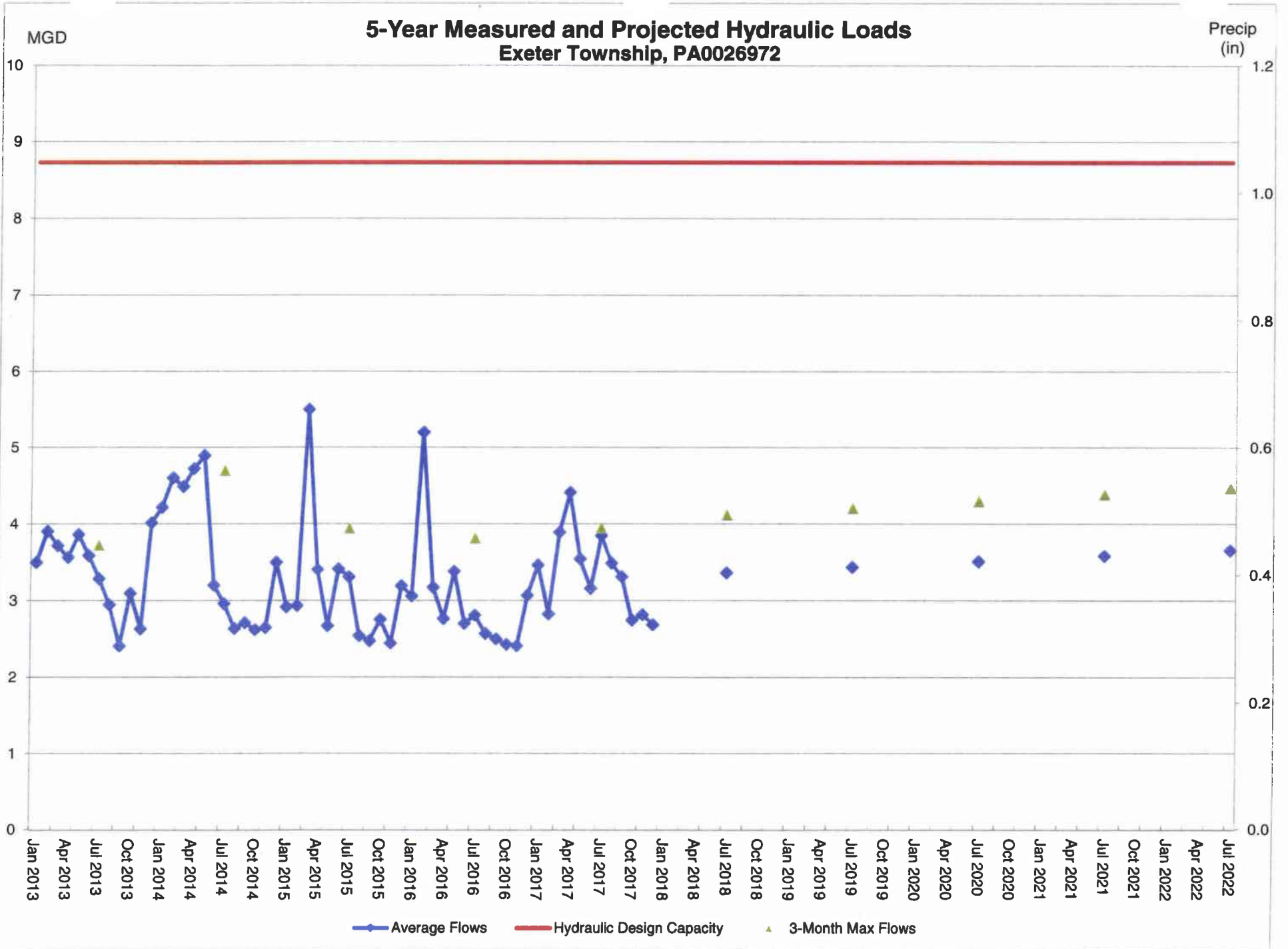
| | 2018 | 2019 | 2020 | 2021 | 2022 |
|------------------|---------|---------|---------|---------|---------|
| New EDUs | 20 | 20 | 20 | 20 | 20 |
| New EDU Load | 165.386 | 165.386 | 165.386 | 165.386 | 165.386 |
| Proj. Annual Avg | 8,263 | 8,429 | 8,594 | 8,760 | 8,925 |
| Proj. Max Avg | 10,256 | 10,462 | 10,667 | 10,872 | 11,077 |
| Proj. Overload? | NO | NO | NO | NO | NO |

Show Precipitation Data on Hydraulic Graph?

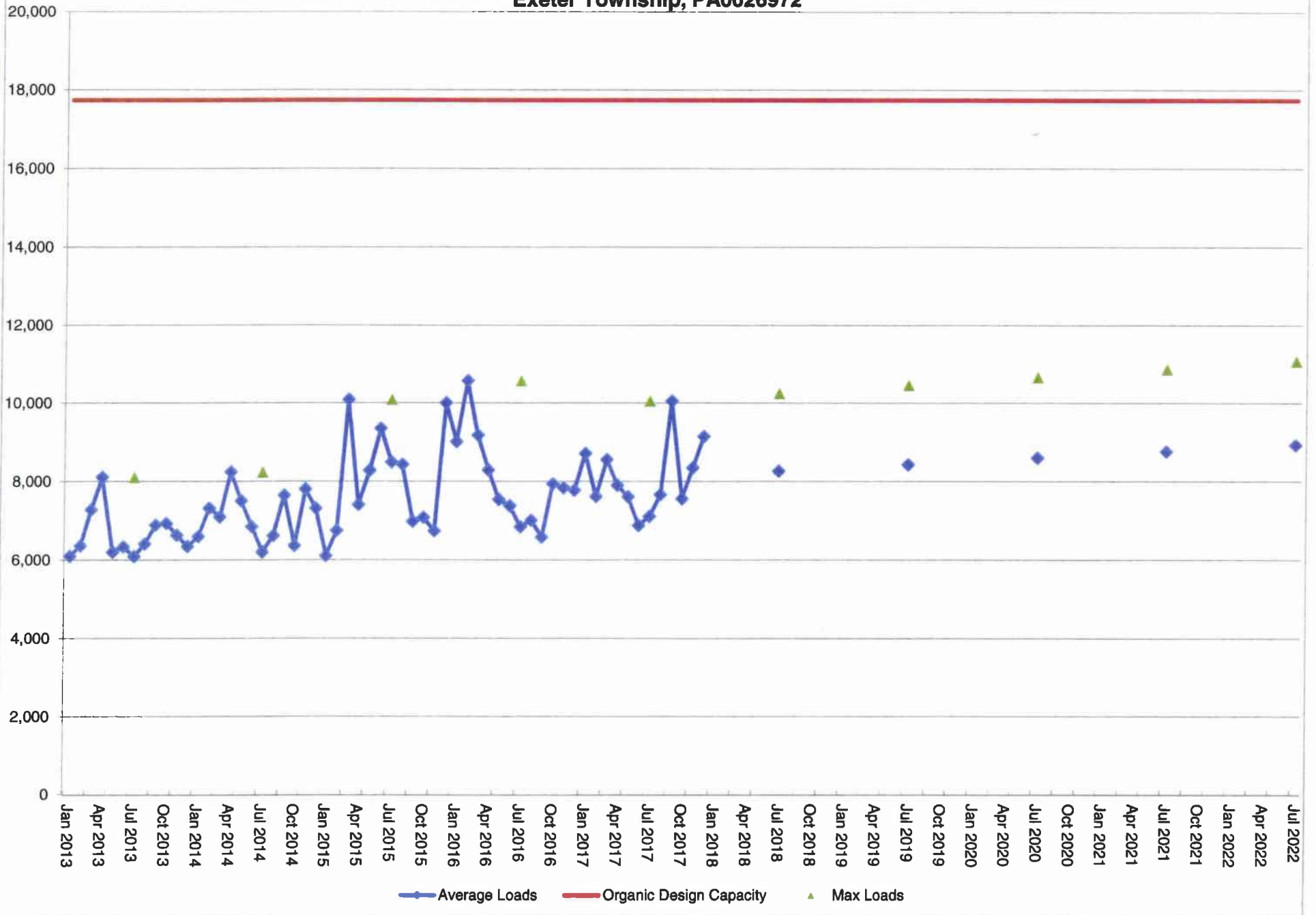
Total Monthly Precipitation for Past Five Years (Inches)

| Month | 2013 | 2014 | 2015 | 2016 | 2017 |
|-----------|------|------|------|------|------|
| January | | | | | |
| February | | | | | |
| March | | | | | |
| April | | | | | |
| May | | | | | |
| June | | | | | |
| July | | | | | |
| August | | | | | |
| September | | | | | |
| October | | | | | |
| November | | | | | |
| December | | | | | |

5-Year Measured and Projected Hydraulic Loads Exeter Township, PA0026972



5-Year Measured and Projected Organic Loads Exeter Township, PA0026972



Attachment No. B

TABLE 1
EXETER TOWNSHIP, BERKS COUNTY
PUMPING STATIONS HISTORICAL FLOW SUMMARY

| Pumping Station | Location | Type | Annual Average Daily Flow (MGD) ¹ | | | | | |
|-----------------|---------------------------------|--------------|--|--------|--------|--------|--------|--------|
| | | | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 |
| Lincoln Road | 1395 Lincoln Road | Suction Lift | 0.0738 | 0.0761 | 0.0808 | 0.0731 | 0.0736 | 0.0789 |
| Buddies Place | 701 Sunset Manor Drive | Submersible | 0.0073 | 0.0089 | 0.0091 | 0.0075 | 0.007 | 0.0063 |
| Pottstown Ave | 601 Red Lane Road | Submersible | 0.007 | 0.0075 | 0.0094 | 0.0069 | 0.0071 | 0.0085 |
| South Baumstown | 690 South Baumstown Road | Submersible | 0.0094 | 0.0094 | 0.0104 | 0.0101 | 0.0098 | 0.0100 |
| Pineland Road | 198 Pineland Road | Submersible | 0.027 | 0.0015 | 0.0015 | 0.0015 | 0.0019 | 0.0014 |
| Glen Oley | Beecham Road and Gladwynn Drive | Submersible | 0.0058 | 0.006 | 0.0074 | 0.0058 | 0.007 | 0.0077 |

Notes:

(1) Flows are based on pumping station hour meter readings and actual pump capacities.

Attachment No. C

TABLE 2
EXETER TOWNSHIP, BERKS COUNTY
PUMPING STATIONS
FLOW PROJECTIONS

| Pumping Station | Rated Capacity (MGD) | 2017 Flows (MGD) | | | 2019 Projected Flows (MGD) | | | |
|-----------------|----------------------|--|-----------------------------------|---------------------------------|--------------------------------------|--|-----------------------------------|---------------------------------|
| | | Annual Average Daily Flow ⁽¹⁾ | Maximum Daily Flow ⁽²⁾ | Peak Hourly Flow ⁽³⁾ | Additional Daily Flow ⁽⁴⁾ | Annual Average Daily Flow ⁽⁵⁾ | Maximum Daily Flow ⁽²⁾ | Peak Hourly Flow ⁽³⁾ |
| Lincoln Road | 1.08 | 0.0789 | 0.197 | 0.552 | 0 | 0.0789 | 0.197 | 0.552 |
| Buddies Place | 0.206 | 0.0063 | 0.016 | 0.044 | 0 | 0.0063 | 0.016 | 0.044 |
| Pottstown Ave | 0.238 | 0.0085 | 0.021 | 0.060 | 0 | 0.0085 | 0.021 | 0.060 |
| South Baumstown | 0.242 | 0.0100 | 0.025 | 0.070 | 0 | 0.0100 | 0.025 | 0.070 |
| Pineland Road | 0.055 | 0.0014 | 0.004 | 0.010 | 0 | 0.0014 | 0.004 | 0.010 |
| Glen Oley | 0.308 | 0.0077 | 0.019 | 0.054 | 0 | 0.0077 | 0.019 | 0.054 |

Notes:

- (1) 2017 Annual average Daily Flow is calculated based on pumping station hour meter readings and pumping rates from the most recent drawdown testing
- (2) estimated using a peaking factor of 2.5
- (3) estimated using a peaking factor of 7.0
- (4) based on projected connections found in 2017 Chapter 94 Report
- (5) 2017 Annual Average Daily flow plus Additional Daily flow

Attachment No. D

Attachment No. E



Certificate #

4733

ALLIED CONTROL SERVICES, INC.

11 Garfield Avenue • P.O. Box 234, West Point, PA 19486

24 Hour Emergency Service 800-441-4844

Fax 215-699-9030

CERTIFICATE OF CALIBRATION

CUSTOMER:

Exeter Twp.

LOCATION:

Sewage Plant

LOOP OR SYSTEM ID:

Effluent Flow

CALIBRATED RANGE:

0-21.5 MGD

TOTALIZER MULTIPLIER:

X 1.00

The following equipment has been accurately calibrated under ambient conditions at an ambient temperature of 76 deg. F. in accordance with the manufacturers documented procedures and specifications.

| ITEM | MANUFACTURER | MODEL # | SERIAL # | DESCRIPTION |
|------|--------------|-----------|-------------|-----------------------|
| 1 | Solman | Micro 200 | FBW7040006 | Ultrasonic Flow Meter |
| 2 | Emerson | RSC-30 | 91014E04205 | Recorder/Totalizer |

REMARKS:

Focus both units within plant

CALIBRATION DATE:

4/27/17

TECHNICIAN:

David J. Kelly

TEST EQUIPMENT USED:

| MANUFACTURER | DESCRIPTION | MODEL | SERIAL # |
|--------------|----------------|--------------------|----------|
| Fisher | Process Meter | 741B | |
| Isco | Flow hand book | 4 th ed | |
| Emerson | Flow Stick | NA | |
| W.K.K. | Stop Watch | | |

Certificate # 4991**ALLIED CONTROL SERVICES, INC.**611 Garfield Avenue • P.O. Box 234, West Point, PA 19486
24 Hour Emergency Service 800-441-4844
Fax 215-699-9030**CERTIFICATE OF CALIBRATION**CUSTOMER: Exeter Twp.LOCATION: Sewage Treatment PlantLOOP OR SYSTEM ID: Effluent FlowCALIBRATED RANGE: 0.0 to 21.5 MGD TOTALIZER MULTIPLIER x 1 MGThe following equipment has been accurately calibrated under ambient conditions at an ambient temperature of 84 deg. F, in accordance with the manufacturers documented procedures and specifications.

| ITEM | MANUFACTURER | MODEL # | SERIAL # | DESCRIPTION |
|------|----------------|-----------|---------------|--------------------|
| 1 | Seimens | Hydro 200 | FBD/170410006 | Flow Meter |
| 2 | Endress Hauser | RSG 30 | 91014ED04208 | Recorder/Totalizer |
| | | | | |
| | | | | |
| | | | | |

REMARKS: Found all units within Manfg. Spec.CALIBRATION DATE: 8/11/17 TECHNICIAN: Doug Rula**TEST EQUIPMENT USED:**

| MANUFACTURER | DESCRIPTION | MODEL | SERIAL # |
|--------------|----------------|---------------------|----------|
| Flyke | Process Meter | 741B | 7025501 |
| Iscov | Flow Hand Book | 4 th Ed. | N/A |
| Empire | Yard Stick | N/A | N/A |
| Motorola | Stop Watch | XT912 | N4465L3 |

Certificate # 4974**ALLIED CONTROL SERVICES, INC.**611 Garfield Avenue • P.O. Box 234, West Point, PA 19486
24 Hour Emergency Service 800-441-4844
Fax 215-699-9030**CERTIFICATE OF CALIBRATION**CUSTOMER: Exeter Twp.LOCATION: Waste Water Treatment PlantLOOP OR SYSTEM ID: Effluent FlowCALIBRATED RANGE: 0.0-21.5 MGD TOTALIZER MULTIPLIER X 1 MGThe following equipment has been accurately calibrated under ambient conditions at an ambient temperature of 65 deg. F.
In accordance with the manufacturers documented procedures and specifications.

| ITEM | MANUFACTURER | MODEL # | SERIAL # | DESCRIPTION |
|----------|-----------------------|------------------|-----------------------|---------------------------|
| <u>1</u> | <u>Siemens</u> | <u>Hydra 200</u> | <u>FBD/0704/00006</u> | <u>Flow Meter</u> |
| <u>2</u> | <u>Endress Hauser</u> | <u>RS6-30</u> | <u>91014E04208</u> | <u>Recorder/totalizer</u> |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

REMARKS: Found both units within Mandy. Spec.CALIBRATION DATE: 11/8/17 TECHNICIAN: [Signature]

TEST EQUIPMENT USED:

| MANUFACTURER | DESCRIPTION | MODEL | SERIAL # |
|-----------------|-----------------------|---------------|----------------|
| <u>Fluke</u> | <u>Process Meter</u> | <u>741B</u> | <u>7025501</u> |
| <u>Isoo</u> | <u>Flow hand book</u> | <u>4" ED.</u> | <u>N/A</u> |
| <u>Empine</u> | <u>Sand Stick</u> | <u>N/A</u> | <u>N/A</u> |
| <u>Motovola</u> | <u>Stop Watch</u> | <u>XT912</u> | <u>N446523</u> |

Attachment No. F

EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES

MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET

Municipality Borough of St. Lawrence

Mailing Address 3540 St. Lawrence Ave.
Reading, PA 19606

Contact Person Ms. Allison Leinbach

Telephone Number (610) 779-1430

1. LOADING INFORMATION

- a. The total number of *Borough of St. Lawrence* Equivalent Dwelling Units (EDUs) connected to the *Township's* collection system at the end of 2017 was 857*. This equates to a flow of approximately 0.221** million gallons per day (MGD).

***This represents the total number of connections to the collection system.**

****Based on flow data provided by Exeter Township. Please note that the 4th Qtr 2017 flow readings were not received in time to be included in this report. The 4th Qtr flows were calculated using the average flows from the 1st through the 3rd Qtrs of 2017.**

- b. Please complete the following table, which summarizes the projected number of EDUs to increase over the next five (5) years. All residential developments should be listed, as well as individual commercial/industrial/institutional facilities and a "Miscellaneous Connections" row.

| Development | Total EDUs Planned | Actual EDUs Connected in 2017 | Total EDUs Connected To Date | Projected EDUs To Be Connected Each Year | | | | |
|--------------------|--------------------|-------------------------------|------------------------------|--|----------|----------|----------|----------|
| | | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| 33 N. Bingaman St. | | 1 | 1 | | | | | |
| 11 Ranor Ct. | | | | 1 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 |

c. The increases in the number of connections (from Section 1b) will result in the following projected Borough flows to the Township:

2018: .221* MGD
2019: .221* MGD
2020: .221* MGD
2021: .221* MGD
2022: .221* MGD

***Based on using the 2017 average daily flow as reported by the Township.**

d. The projected increase in flows (from Section 1c) was derived in the following manner:

Based on the Average Daily Flow and the number of EDU's connected at the end of 2017, the gallons per day per EDU is 258 gpd/EDU. There is currently only 1 EDU planned over the next 5 years.

e. The approximate organic loading (in lbs. BOD₅/day) of the municipal wastewater discharged to the Township's collection system during 2017 is estimated to be 344.09 lbs/day, which was calculated by using a factor of 0.19 lbs/day per capita multiplied by the estimated number of persons (1,811):

2. PLAN TO REDUCE OVERLOAD (IF APPLICABLE)

a. The following is a plan and schedule for reducing present or anticipated hydraulic or organic overload conditions within the municipal sewer system.

- b. List all sewer extensions approved for future construction, if any:

| Name of Extension | WQM Permit No. | Population (or EDUs) Permitted | Year Construction to Start | Year to Be Completed |
|-------------------|----------------|--------------------------------|----------------------------|----------------------|
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

- c. List all sewer extensions proposed but not approved during 2017:

| Name of Extension | Population (or EDUs) Proposed | Year Construction Proposed to Start |
|-------------------|-------------------------------|-------------------------------------|
| | | |
| | | |
| | | |

- d. In addition to the above information relative to each extension, an updated complete map of the entire collection system showing all 2017 extensions and all proposed sewer extensions should be submitted. Also indicate the location of any major or extraordinary system repairs as described in Item 4 below on the map.

There are no planned sewer extensions in the Borough of St. Lawrence. There were no extraordinary system repairs in 2017.

4. SYSTEM MAINTENANCE

- a. Briefly discuss the program utilized for sewer system monitoring, maintenance, repair, and rehabilitation. Provide a description of any major or extraordinary repairs.

The Borough televised approximately 4,000 lf of sanitary sewer mains in 2017 to continue to address any I&I in the system. These videos will be evaluated and the Borough plans to prepare a rehabilitation plan of the defects that were found.

5. SYSTEM CONDITION

- a. Briefly discuss the condition of the sewer system and indicate any portions of the system where the conveyance capacity is being exceeded or will be exceeded in the next 5 years. Rehabilitation or cleaning work which is underway, planned, or required, should also be discussed.

The Borough of St. Lawrence televised their entire sanitary sewer collection system in 2008. Based on the defects noted during the televising project, the Borough rehabilitated large portions of the sanitary sewer collection system in 2009 and 2010. The rehabilitation fixed most of the defects in the system. The Borough televised approximately 4,000 lf of sewer mains in 2017.

There were two reported sanitary sewer overflows (SSO's) in 2017. The SSO's occurred on the private lateral of Goodwill Industries and were the result of problems with the property owner's lateral. In both cases the Borough of St. Lawrence notified the property owner of the SSO as well as the PaDEP. The SSO's were promptly cleaned up by the property owner. In both cases the overflows reached the Borough of St. Lawrence storm sewer system and eventually the Antietam Creek. The Borough of St. Lawrence issued a Notice of Violation for each of the SSO's for violations of the Borough Storm Water Management Ordinance. The NOV's are attached for review.

6. PUMPING STATION INFORMATION

- a. List all Pumping Stations along with their respective capacities and flows:

| Name of Pumping Station | Number of Pumps | Capacity of Each Pump | Actual 2017 | | Projected 2018 | |
|-------------------------|-----------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| | | | Average Daily Flow, mgd | Maximum Day Flow, mgd | Average Daily Flow, mgd | Maximum Day Flow, mgd |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

- b. Briefly explain how the average daily flows and maximum daily flows in Section 6a were determined:
The Borough of St. Lawrence does not own or operate any pump stations.
- c. Briefly discuss of the condition of each pumping station listed in Section 6a.
The Borough of St. Lawrence does not own or operate any pump stations.

- d. Attach a copy of the flow meter calibration report (if flow meters are provided).
The Borough of St. Lawrence does not own or operate any pump stations.

7. INDUSTRIAL WASTE DISCHARGES (IF APPLICABLE)

- a. Discuss any known or suspected problems in the sewer system caused by industrial discharges.

N/A

8. INSTRUMENT CALIBRATION RECORDS

Attach copies of calibration records for flow metering instrumentation. In lieu of specific signed calibration certificates, copies of paid invoices for instrument calibration and of canceled checks may be substituted.

The four permanent flow meters that are used to measure flow from St. Lawrence Borough are owned, operated and maintained by Exeter Township.



Borough of St. Lawrence

3540 St. Lawrence Avenue

Reading PA 19606

610.779.1430

Fax: 610.779.9148

E-mail: stlawboro@ptd.net

NOTICE OF VIOLATION

2017-011

August 16, 2017

PROPERTY OWNER:

Goodwill Keystone Area
1150 Goodwill Dr.
Harrisburg, PA 17101

CERTIFIED MAIL

**Return Receipt Requested
7017 0530 0000 2713 9214**

Property PIN: 81532605280308

Property Address: 3001 St. Lawrence Ave, Borough of St. Lawrence, Pennsylvania 19606

Gentlemen:

You are listed as the owner of record of the property at 3001 St Lawrence Ave, and you are receiving this letter due to the sanitary sewer discharge that occurred on August 10, 2017 which resulted in sewage flowing into the public right-of-way of the Borough of St. Lawrence.

This is considered an Illicit Discharge and a violation of the Stormwater Management Ordinance, as well as a reportable sewage overflow per the Pennsylvania Department of Environmental Protection's (PADEP) regulations. We believe, additionally, that the discharge may have been the result of violations of the Borough's Sewer Use Ordinance.

To prevent this sanitary sewage overflow (SSO) from occurring again, we request that you do the following:

1. Prepare a written Maintenance Plan for the sanitary sewer system that would include the following:
 - a. Routine Maintenance to include:
 - 1) periodic televising of the lateral to ensure integrity of the line
 - 2) periodic jetting of the line to avoid blockages
 - 3) periodic root treatment if indicated by observation during televising
 - b. An employee education plan to include:
 - 1) proper procedures for employee reporting of issues (i.e. slow drains or visibly seeing an overflow)
 - 2) education of employees of what should not be flushed into the sewer system (ie. wads of paper towels, feminine sanitary products)
 - 3) education of employees of what should not be poured or dumped down a drain (ie. fats, oil, grease, chunks of food, etc.)
 - 4) proper procedures for disposal of items which should not be poured into a drain or flushed into the sewer system.

Goodwill Industries
Notice of Violation
3001 Saint Lawrence Ave
August 16, 2017

- c. Public education to include appropriate signage in public bathrooms (ie. not to flush diapers, paper towels, rags, wipes, or feminine sanitary products)
 - d. SSO Response Plan to include the following:
 - 1)Reporting protocols to immediately inform Goodwill Management, Goodwill Maintenance and the Borough of St. Lawrence of the event.
 - 2)Actions to prevent the SSO from entering the public right of way.
 - 3)Actions/Response to rectify the SSO.
 - 4)Actions/Response to clean up the site.
2. Prepare a Report stating the following:
- a. Diameter of the existing building sewer line
 - b. Number of employees present in the facility
 - c. Approximate number of daily visitors to the retail store
 - d. A calculation of the sewage flow per PA DEP regulations
 - e. Analysis of the adequacy of the current building sewer line to handle the calculated flow.
 - f. Management response if the current building sewer line found to be inadequate.
 - g. The implementation of the above-described maintenance plan and employee education plan.

We respectfully request that the above requested information be submitted within thirty (30) days of the receipt of this letter in order to avoid the need for further enforcement action under the Borough's Stormwater Management Ordinance and Sewer Use Ordinance.

If you have any questions concerning this matter, please contact me at 610-779-1430.



Allison Leinbach, Borough Manager, Code Enforcement Officer and Floodplain Administrator

cc: Joan London, Esq., Kozloff Stoudt
Pamela J. Stevens, SDEI



Borough of St. Lawrence

3540 St. Lawrence Avenue
Reading PA 19606
610.779.1430
Fax: 610.779.9148
E-mail: stlawboro@ptd.net

NOTICE OF VIOLATION

2017-017

December 6, 2017

PROPERTY OWNER:

Goodwill Keystone Area
Attn: Vice President of Operations
1150 Goodwill Dr.
Harrisburg, PA 17101

SENT VIA USPS CERTIFIED MAIL
RETURN RECEIPT REQUESTED
7017 0530 0000 2713 9276

Wes Rineer, Facilities Director
Goodwill Keystone Area
1048 North Plum St.
Lancaster PA 17601

SENT VIA USPS FIRST CLASS MAIL

Property PIN: 81532605280308

Property Address: 3001 St. Lawrence Ave, Borough of St. Lawrence, Pennsylvania 19606

Reference Code: St. Lawrence Borough Ordinances

352 – Sewer Use

389 – Schuylkill River Watershed Stormwater Management

424 – IDD&E Illicit Discharge Detection & Elimination

Gentlemen:

Goodwill Keystone Area (Goodwill), owner of record of the property at 3001 St Lawrence Ave, is receiving this Notice of Violation due to a sanitary sewer overflow (SSO) from the clean-out on your sanitary sewer line that occurred on September 11, 2017 which resulted in sewage flowing into the public right-of-way of the Borough of St. Lawrence entering the Borough's Stormwater collection system and discharging into Antietam Creek, waters of the Commonwealth and the United States of America.

This Illicit Discharge violated the Borough's Stormwater Management Ordinance and was a reportable sewage overflow incident per the Pennsylvania Department of Environmental Protection's (PADEP) regulations. This violation occurred 32 days after the previous reported SSO on your property. Goodwill Facilities Director Wes Rineer submitted a maintenance plan dated September 11, 2017, requested by the Notice of Violation for the August SSO.

The Borough's response to the submitted preventative maintenance plan:

A. Routine Maintenance:

1. Annual televising is adequate if there are no indications of issues with the integrity of the sewer line.
2. **Jetting of the line should occur more frequently until the employee and public education plans are fully implemented and evaluated for**

Goodwill Industries
Notice of Violation 2017-017
3001 Saint Lawrence Ave
December 7, 2017

effectiveness. We recommend quarterly with a report from the Contractor on conditions found in the system. Please inform the Borough of the day and time for each jetting.

3. Mr. Rineer indicated that roots were not an issue in the line. Annual televising should be adequate to indicate if there is a problem.

B. Employee education plan: Please provide documentation of the following:

1. The education documents prepared for distribution addressing the four topics (reporting procedures, what are flushable items, what items should not be poured or dumped down drains and the proper disposal of items that shouldn't enter the system.
2. Is there an employee handbook? Are the documents a part of the handbook? Or are you creating a special presentation.
3. Are you posting signs in the appropriate locations to address the topics? How frequently are you distributing or presenting documents?

C. Public education Information: Please provide an example of each sign produced and photographs of the signs posted.

D. SSO Response Plan needs revision to adequately address response times:

1. For both SSOs the Borough notified Goodwill. For the first SSO, the Borough received notification from four separate sources and the second SSO was reported by a business on N. Prospect St. In both instances, the SSO entered the public right of way never being observed by an employee of Goodwill.

We recommend you seek professional advice to receive recommendations specific to the constraints of the location of the sewer cleanout and vent on your property, to address the issue

2. A one hour response is inadequate to prevent the SSO from entering the public right of way, the Borough's or Exeter Township's storm drain system and discharging into Antietam Creek.

We recommend you review options for a swifter local response, for instance:

- a. notifying the facility to cease all discharges to the sanitary system slowing the overflow
 - b. have the appropriate spill kits on site and employees trained to use them to contain and prevent the discharge from entering the public right of way, the storm drain systems and Antietam Creek
 - c. utilize a local hazardous spill response provider
3. Having the contractor onsite within one hour to remove the blockage is adequate
 4. Site cleanup involves the entire site impacted by the SSO, which includes the public right of way, the storm drain systems and Antietam Creek. Please review and elaborate on your site cleanup procedures and resources necessary to comply.

We respectfully request that the above requested information be submitted within thirty (30) days of the receipt of this letter to avoid the need for further enforcement actions, which are listed below.

Goodwill Industries
Notice of Violation 2017-017
3001 Saint Lawrence Ave
December 7, 2017

POTENTIAL ENFORCEMENT ACTIONS PROVIDED FOR YOUR INFORMATION

Ordinance 352 – Sewer Use

SECTION 6. USE OF PUBLIC SEWERS

B. Objectionable Wastes

It shall be unlawful to place, deposit or permit to be deposited upon public or private property within the Borough any human or animal excrement, garbage; or other objectionable wastes.

C. Unlawful Discharge

It shall be unlawful to discharge to any natural outlet or receiving stream within the Borough any Domestic or Nondomestic Waste or other polluted water, except where suitable treatment has been provided to the satisfaction of St. Lawrence Borough and appropriate State and Federal Agencies.

SECTION 13. PENALTIES AND ENFORCEMENT

A. Fines and Imprisonment

Any Person who shall violate any of the provisions of this Ordinance or who knowingly makes any false statements, representations, or certification in any application, record, report, plan, or other document filed or required to be maintained pursuant to this Ordinance; or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required under this Ordinance shall be fined up to \$1,000 per day per violation, and shall pay the costs of prosecution and in default of payment of such fine and costs, such person shall be imprisoned in the Berks County Jail for not more than thirty (30) days. Each day of the continuation of a violation shall constitute a separate offense.

Ordinance 389 - Schuylkill River Watershed Stormwater Management Ordinance

ARTICLE VIII – PROHIBITIONS

Section 801. Prohibited Discharges and Connections

- B.** No person shall allow, or cause to allow, discharges into surface waters of this Commonwealth which are not composed entirely of stormwater, except (1) as provided in subsection C below, and
(2) discharges allowed under a state or federal permit.
- C.** The following discharges are authorized unless they are determined to be significant contributors to pollution to the waters of this Commonwealth:

| | |
|---|--|
| - Discharges from fire fighting activities | - Flows from riparian habitats and wetlands |
| - Potable water sources including water line flushing | - Uncontaminated water from foundations or from footing drains |
| - Irrigation drainage | - Lawn watering |
| - Air conditioning condensate | - Dechlorinated swimming pool discharges |
| - Springs | - Uncontaminated groundwater |
| - Water from crawl space pumps | - Water from individual residential car washing |

Goodwill Industries
Notice of Violation 2017-017
3001 Saint Lawrence Ave
December 7, 2017

| | |
|---|--|
| - Pavement wash waters where spills or leaks of toxic or hazardous materials have not occurred (unless all spill material has been removed) and where detergents are not used | - Routine external building wash down (which does not use detergents or other compounds) |
|---|--|

ARTICLE IX – ENFORCEMENT AND PENALTIES

Section 902. Public Nuisance

- A. The violation of any provision of this ordinance is hereby deemed a Public Nuisance.
- B. Each day that a violation continues shall constitute a separate violation.

Section 903. Enforcement Generally

- A. Whenever the Municipality finds that a person has violated a prohibition or failed to meet a requirement of this Ordinance, the Municipality may order compliance by written notice to the responsible person. Such notice may require without limitation:
 - 1. The performance of monitoring, analyses, and reporting;
 - 2. The elimination of prohibited connections or discharges;
 - 3. Cessation of any violating discharges, practices, or operations;
 - 4. The abatement or remediation of stormwater pollution or contamination hazards and the restoration of any affected property;
 - 5. Payment of a fine to cover administrative and remediation costs;
 - 6. The implementation of stormwater controls and BMPs; and
 - 7. Operation and maintenance of stormwater controls and BMPs.
- B. Such notification shall set forth the nature of the violation(s) and establish a time limit for correction of these violations(s). Said notice may further advise that, if applicable, should the violator fail to take the required action within the established deadline, the work will be done by the Municipality or designee and the expense thereof shall be charged to the violator.
- C. Failure to comply within the time specified shall also subject such person to the penalty provisions of this Ordinance. All such penalties shall be deemed cumulative and shall not prevent the Municipality from pursuing any and all other remedies available in law or equity.

Section 905. Penalties

- A. Any person violating the provisions of this ordinance shall be guilty of a misdemeanor, and upon conviction shall be subject to a fine of not more than \$1000.00 for each violation, recoverable with costs, or imprisonment of not more than thirty (30) days or both. Each day that the violation continues shall be a separate offense.
- B. In addition, The Municipality, through its solicitor, may institute injunctive, mandamus, or any other appropriate action or proceeding at law or in equity for the enforcement of this Ordinance.

Goodwill Industries
Notice of Violation 2017-017
3001 Saint Lawrence Ave
December 7, 2017

Any court of competent jurisdiction shall have the right to issue restraining orders, temporary or permanent injunctions, mandamus or other appropriate forms of remedy or relief.

Ordinance 424 – IDD&E - ILLICIT DISCHARGE DETECTION & ELIMINATION

SECTION 9. Discharge Prohibitions.

A. Prohibition of Illegal Discharges.

No person shall discharge or cause to be discharged into the municipal storm drain system or watercourses any materials, including but not limited to Pollutants or waters containing any Pollutants that cause or contribute to a violation of applicable water quality standards, other than storm water. The commencement, conduct or continuance of any illegal discharge to the storm is prohibited except as described as follows:

- i. The following discharges are exempt from discharge prohibitions established by this ordinance: water line flushing or other potable water sources, landscape irrigation or lawn watering, diverted stream flows, rising ground water, ground water infiltration to storm drains, uncontaminated pumped ground water, foundation or footing drains (not including active groundwater dewatering systems), crawl space pumps, air conditioning condensation, springs, non-commercial washing of vehicles, natural riparian habitat or wet-land flows, swimming pools (if dechlorinated - typically less than one PPM chlorine), fire fighting activities, and any other water source not containing Pollutants.
- ii. Discharges specified in writing by the authorized enforcement agency as being necessary to protect public health and safety.
- iii. Dye testing is an allowable discharge, but requires a verbal notification to the authorized enforcement agency prior to the time of the test.
- iv. The prohibition shall not apply to any non-storm water discharge permitted under an NPDES permit, waiver, or waste discharge order issued to the discharger and administered under the authority of the Federal Environmental Protection Agency, provided that the discharger is in full compliance with all requirements of the permit, waiver, or order and other applicable laws and regulations, and provided that written approval has been granted for any discharge to the storm drain system.

SECTION 18. Notification of Spills.

Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation has information of any known or suspected release of materials which are resulting or may result in illegal discharges or pollutants discharging into storm water, the storm drain system, or water of the United States or Commonwealth of Pennsylvania, said person shall take all necessary steps to ensure the discovery, containment, and cleanup of such release. In the event of such a release of hazardous materials said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release of non-hazardous materials, said person shall notify the authorized enforcement agency in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the Borough Codes Enforcement

Goodwill Industries
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Officer within three business days of the phone notice. If the discharge of prohibited materials emanates from a commercial or industrial establishment, the owner or operator of such establishment shall also retain an on-site written record of the discharge and the actions taken to prevent its recurrence. Such records shall be retained by the Borough Codes Enforcement Officer for at least three (3) years.

SECTION 20. Requirement to Eliminate Illegal Discharges.

The Borough Code Official may require by written notice that a person responsible for an illegal discharge immediately, or by a specified date, discontinue the discharge, and take measures to eliminate the source of the discharge to prevent the occurrence of future illegal discharges.

SECTION 27. Injunctive Relief.

It shall be unlawful for any person to violate any provision or fail to comply with any of the requirements of this Ordinance. If a person has violated or continues to violate the provisions of this ordinance, the authorized enforcement agency may petition for a preliminary or permanent injunction restraining the person from activities which would create further violations or compelling the person to perform abatement or remediation of the violation.

SECTION 28. Compensatory Action.

In lieu of, or in addition to, enforcement proceedings, penalties, and remedies authorized by this Ordinance, the authorized enforcement agency may impose upon a violator alternative compensatory actions, such as storm drain stenciling, attendance at compliance workshops, creek cleanup, etc.

SECTION 29. Violations Deemed a Public Nuisance.

In addition to the enforcement processes and penalties provided, any condition caused or permitted to exist in violation of any of the provisions of this Ordinance is a threat to public health, safety, and welfare, and is declared and deemed a nuisance, and may be summarily abated or restored at the violator's expense, and/or a civil action to abate, enjoin, or otherwise compel the cessation of such nuisance may be taken.

SECTION 30. Criminal Prosecution.

Any person that has violated or continues to violate this ordinance shall be liable to criminal prosecution to the fullest extent of the law, and shall be subject to a criminal penalty of One Thousand Dollars and 00/100 (\$1,000.00) per violation per day and/or imprisonment for a period of time not to exceed ninety (90) days.

The Authorized Enforcement Agency may recover all attorney's fees court costs and other expenses associated with enforcement of this ordinance, including sampling and monitoring expenses.

SECTION 31. Remedies Cumulative and Not Exclusive.

The remedies listed in this Ordinance are cumulative and are not exclusive of any other remedies available under any applicable federal, state or local law and it is within the discretion of the authorized enforcement agency to seek cumulative remedies.

If you have any questions concerning this matter, please contact me at 610-779-1430.


Allison Leinbach, Borough Manager/Code Enforcement Officer

Goodwill Industries
Notice of Violation 2017-017
3001 Saint Lawrence Ave
December 7, 2017

Enclosures:

Borough Emergency SSO Response on 9/11/2017 at 3001 St. Lawrence Avenue - Goodwill
Invoice #1845 for Borough response and reporting of the SSO

cc: Joan London, Esq., Kozloff Stoudt
Pamela J. Stevens, SDEI
Kevin Conrad, SSM Group
Kevin Buss, PaDep

Borough Emergency Response
3001 St. Lawrence Ave Sanitary Sewer Overflow; Goodwill Property
September 11, 2017
Submitted by: Derrek J. Rhoads, MS4 Specialist

Initial Call: Susan Eggert, Borough Secretary, received a call at 12:36 PM by, from Jack Long of Long Barrell, located at 135 N Prospect Street reporting a flow on N Prospect Street that smelled like sewer.

Susan notified Borough Manager Allison Leinbach and MS4 Specialist Derrek Rhoads. Mr. Rhoads responded to the scene.

Findings on Scene: Arrived on scene at 12:40 PM immediately noting flow on St. Lawrence Avenue at Prospect Street. Following the flow, I noted the source to be the sewer cleanout/vent on the Goodwill Property and determined that a Sanitary Sewer Overflow (SSO) occurred. At the source, the flow had subsided substantially; the area around the Vent/Cleanout had no active flow but a large amount of paper debris. Tracing the path of the discharge down N Prospect Street to St. Lawrence Avenue noting the flow entered Storm Water Basin E-PO3. At 12:44 PM notified the Borough Office confirming the flow originated from Goodwill and that it was an SSO.

Notifications:

Starting at 12:45 PM the following were notified of the SSO:

1. Wes Rineer, Goodwill Regional Maintenance Supervisor, responsible for the Goodwill Complex located at 3001 St. Lawrence Avenue
2. Kevin Conrad, SSM Group, the Borough's Sewer Engineer Group
3. PA DEP Southcentral Region Spill Emergency Line to report the SSO

Response: Returned to the municipal building for response supplies. Upon return to the scene at 1:35 PM the flow had subsided at Storm Basin E-PO3, did not deploy the absorbing booms. There were no signs of paper waste making it into the Storm Basin.

Following Borough Standard Operating Procedures Manhole 14.242w and 14.244w on N Prospect Street were pulled confirming that the issue was not in the Borough sewer main.

At approximately 2 PM, noticed a light flow of sewer from the vent stack. Flow dispersed in the grass not reaching the street. Went into the Outlet Store, spoke with the Floor Manager notifying them that they were having a SSO and needed to cease using their plumbing until the line was fixed.

The Facility Manager arrived on the scene at 2:05pm and used a cleanout plunger to unblock the line. The line was clear by 2:10 PM. Frey Plumbing, Goodwill's contractor, arrived on the scene. The Facility Manager ordered the line to be jetted to make sure all the blockage was removed. The Facility Manager then began cleanup of the area as the plumber began his work.

Inspected Outfall E, where the SSO would have discharged to the creek, not noticing any signs of paper products or other discharges that would have come from the Goodwill Property. The Outfall flow at the time of inspection was moderate and would have dispersed much of the SSO. During dry weather, Outfall E constantly flows with spring water.

Summary: Goodwill experienced another SSO at their location. This was only 32 days after their previous one, which happened on August 10th 2017. This SSO had more flow volume than the August SSO, with flow reaching catch basin E-PO3 on St. Lawrence Ave. (SSR 562) discharging into Antietam Creek. By the time the Borough received the initial call it would have been almost impossible to prevent the flow reaching the Storm Water System and the creek.

Pictures taken on September 11, 2017 during the event, by Derrek Rhoads:

On Goodwill Property looking toward 135 N Prospect St.



On N Prospect Street, in Exeter Township, looking toward St. Lawrence Ave





On St. Lawrence Avenue looking towards N Prospect



Catch Basin E-PO3 with litter present

Intersection of N Prospect and St. Lawrence Ave looking toward Antietam Creek





OUTFALL E



ANTIETAM CREEK AT OUTFALL E

BOROUGH OF ST. LAWRENCE
 3540 ST. LAWRENCE AVE
 READING PA 19606-2372

Invoice

| Date | Invoice # |
|-----------|-----------|
| 12/8/2017 | 1845 |

TELEPHONE: 610-779-1430
 FAX: 610-779-9148

GOODWILL KEYSTONE AREA
 ACCTS PAYABLE
 1150 GOODWILL DR
 HARRISBURG, PA 17101

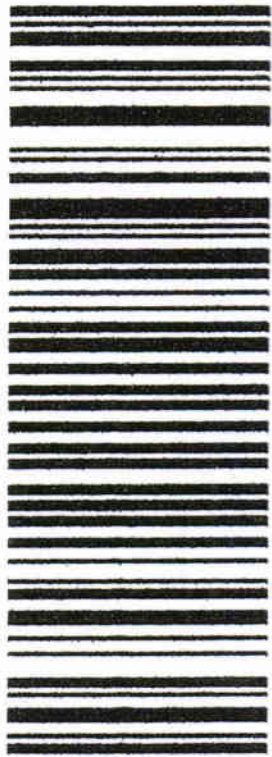
| |
|-------------------------|
| PAID BY 1/7/2018 |
| \$570.00 |

| |
|----------------------------|
| PAID AFTER 1/7/2018 |
| \$ 627.00 |

| Item | Quantity | Description | Rate | Amount | |
|--|----------|---|-------|--------------|-----------------|
| FIELD RESP... | 6.5 | FIELD RESPONSE WITH TRUCK | 60.00 | 390.00 | |
| MGR TIME | 3 | ADMINISTRATION | 60.00 | 180.00 | |
| | | SSO RESPONSE ON SEPTEMBER 11 2017 AND FOLLOW-UP | | | |
| MAKE CHECK PAYABLE TO: BOROUGH OF ST. LAWRENCE 3540 ST. LAWRENCE AVE READING PA 19606-2372 | | | | | |
| NET 30 - A 10% LATE FEE CHARGED ON INVOICES PAID AFTER 30 DAYS | | | | Total | \$570.00 |

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL®



7017 0530 0000 2713 9276

7017 0530 0000 2713 9276

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee

\$

Extra Services & Fees (*check box, add fee as appropriate*)

- Return Receipt (hardcopy) \$ _____
- Return Receipt (electronic) \$ _____
- Certified Mail Restricted Delivery \$ _____
- Adult Signature Required \$ _____
- Adult Signature Restricted Delivery \$ _____

Postage

\$

Total Postage and Fees

\$

Sent To

Street and Apt. No., or

City, State, ZIP+4®

Postmark
Here

Goodwill Keystone Area
Attn: Vice President Operations
1150 Goodwill Dr
Harrisburg, PA 17101-2400

PS Form 3800, April

ctions

EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES

MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET

Municipality Lower Alsace Township

Mailing Address 1200 Carsonia Avenue

Reading, PA 19606

Contact Person Terry L. Styer, Manager

Telephone Number 610-779-6400

1. LOADING INFORMATION

a. The total number of *Lower Alsace Township* Equivalent Dwelling Units (EDUs) connected to the *Township's* collection system at the end of 2017 was 27. This equates to a flow of approximately 0.006183 million gallons per day (MGD).

b. Please complete the following table, which summarizes the projected number of EDUs to increase over the next five (5) years. All residential developments should be listed, as well as individual commercial/industrial/institutional facilities and a "Miscellaneous Connections" row.

| Development | Total EDUs Planned | Actual EDUs connected In 2017 | Total EDUs connected To Date | Projected EDUs To Be Connected Each Year | | | | |
|---------------|--------------------|-------------------------------|------------------------------|--|------|------|------|------|
| | | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| Windy Willows | 2 | 0 | 0 | 0 | 2 | 2 | 0 | 0 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Total | 2 | 0 | 0 | 0 | 2 | 2 | 0 | 0 |

EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES

MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET

- c. The increases in the number of connections (from Section lb) will result in the following projected Township flows to the (**Exeter**) Township:

| | | |
|-------|-----------------|-----|
| 2018: | <u>0.006183</u> | MGD |
| 2019: | <u>0.006641</u> | MGD |
| 2020: | <u>0.006641</u> | MGD |
| 2021: | <u>0.006641</u> | MGD |
| 2022: | <u>0.006641</u> | MGD |

- d. The projected increase in flows (from Section c) was derived in the following manner:

Total # of EDU's x (229 Gal / EDU) = Flow MGD

- e. The approximate organic loading (in lbs. BODs/day) of the municipal wastewater discharged to the Township's collection system during 2017 is estimated to be 11.78 lbs/day, which was calculated by using a factor of 0.19 lbs/day per capita multiplied by the estimated number of persons (62) or:

2. PLAN TO REDUCE OVERLOAD (IF APPLICABLE)

- a. The following is a plan and schedule for reducing present or anticipated hydraulic or organic overload conditions within the municipal sewer system.

| Task To Be Completed | By Year | Resulting Overload Reduction (in mgd or lbs BOD/day) |
|----------------------|---------|---|
| N/A | N/A | N/A |
| | | |
| | | |
| | | |

- b. Attach, as a supplement, your detailed plan of action and schedule to locate and remove excessive inflow/infiltration from your sewer system.

**EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES**

**MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET**

3. SEWER EXTENSIONS

a. List all sewer extensions constructed in 2017, if any:

| Name of Extension | WQM Permit No. | Population (or EDUs) Permitted | Population (or EDUs) Connected in 2016 |
|-------------------|----------------|--------------------------------|--|
| | | | |
| | | | |
| N/A | N/A | N/A | N/A |
| | | | |
| | | | |

b. List all sewer extensions approved for future construction, if any:

| Name of Extension | WQM Permit No. | Population (or EDUs) Permitted | Year Construction to Start | Year to Be Completed |
|-------------------|----------------|--------------------------------|----------------------------|----------------------|
| | | | | |
| | | | | |
| N/A | N/A | N/A | N/A | N/A |
| | | | | |
| | | | | |

**EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES**

**MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET**

- c. List all sewer extensions proposed but not approved during 2017:

| Name of Extension | Population (or EDUs) Proposed | Year Construction Proposed to Start |
|-------------------|-------------------------------|-------------------------------------|
| | | |
| | | |
| N/A | N/A | N/A |
| | | |
| | | |
| | | |

- d. In addition to the above information relative to each extension, an updated complete map of the entire collection system showing all 2017 extensions and all proposed sewer extensions should be submitted. Also indicate the location of any major or extraordinary system repairs as described in Item 4 below on the map.

4. SYSTEM MAINTENANCE

- a. Briefly discuss the program utilized for sewer system monitoring, maintenance, repair, and rehabilitation. Provide a description of any major or extraordinary repairs.

Sanitary sewers are owned, operated, and maintained by Exeter Township

**EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES**

**MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET**

5. SYSTEM CONDITION

- a. Briefly discuss the condition of the sewer system and indicate any portions of the system where the conveyance capacity is being exceeded or will be exceeded in the next 5 years. Rehabilitation or cleaning work which is underway, planned, or required, should also be discussed.

Sanitary sewers are owned, operated, and maintained by Exeter Township

6. PUMPING STATION INFORMATION

- a. List all Pumping Stations along with their respective capacities and flows:

| Name of Pumping Station | Number Of Pumps | Capacity of Each Pump | Actual 2017 | | Projected 2019 | |
|-------------------------|-----------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| | | | Average Daily Flow, mgd | Maximum Day Flow, mgd | Average Daily Flow, mgd | Maximum Day Flow, mgd |
| | | | | | | |
| | | | | | | |
| N/A | N/A | N/A | N/A | N/A | N/A | N/A |
| | | | | | | |
| | | | | | | |

- b. Briefly explain how the average daily flows and maximum daily flows in Section 6a were determined:

EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES

MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET

- c. Briefly discuss of the condition of each pumping station listed in Section 6a.

| |
|-------|
| N / A |
|-------|

- d. Attach a copy of the flow meter calibration report (if flow meters are provided).

| |
|-------|
| N / A |
|-------|

7. INDUSTRIAL WASTE DISCHARGES (IF APPLICABLE)

- a. Discuss any known or suspected problems in the sewer system caused by industrial discharges.

| |
|-------|
| N / A |
|-------|

8. INSTRUMENT CALIBRATION RECORDS

- a. Attach copies of calibration records for flow metering instrumentation. In lieu of specific signed calibration certificates, copies of paid invoices for instrument calibration and of canceled checks may be substituted.

| |
|-------|
| N / A |
|-------|

EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES

MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET

Municipality Alsace Township
 Mailing Address 65 Woodside Ave
Temple, PA 19560
 Contact Person Kimberly Mallatratt
610-929-5324
 Telephone Number

1. LOADING INFORMATION

★

- a. The total number of *Alsace Township* Equivalent Dwelling Units (EDUs) connected to the *Township's* collection system at the end of 2017 was 34. This equates to a flow of approximately 865,600 0.00786^* million gallons per day (MGD).
 ↳ This is the recorded Yearly flow in gallons. * This number is calculated using 229 gal/day per EDU
- b. Please complete the following table, which summarizes the projected number of EDUs to increase over the next five (5) years. All residential developments should be listed, as well as individual commercial/industrial/institutional facilities and a "Miscellaneous Connections" row. n/a

| Development | Total EDUs Planned | Actual EDUs connected In 2017 | Total EDUs connected To Date | Projected EDUs To Be Connected Each Year | | | | |
|-------------|--------------------|-------------------------------|------------------------------|--|------|------|------|------|
| | | | | 2018 | 2019 | 2020 | 2021 | 2022 |
| | | | | | | | | |
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| | | | | | | | | |
| Total | | | | | | | | |

★ -This was revised by Eric D. McCracken, PE based on a discussion with Kimberly Mallatratt.

EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES

MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET

c. The increases in the number of connections (from Section 1b) will result in the following projected Township flows to the Township:

| | | | |
|-------|----------|--|-----|
| 2018: | <u>0</u> | | MGD |
| 2019: | <u>0</u> | | MGD |
| 2020: | <u>0</u> | | MGD |
| 2021: | <u>0</u> | | MGD |
| 2022: | <u>0</u> | | MGD |

d. The projected increase in flows (from Section c) was derived in the following manner:

e. The approximate organic loading (in lbs. BODs/day) of the municipal wastewater discharged to the Township's collection system during 2017 is estimated to be 12.92 lbs/day, which was calculated by using a factor of 0.19 lbs/day per capita multiplied by the estimated number of persons (68) or:

2 PLAN TO REDUCE OVERLOAD (IF APPLICABLE)

a. The following is a plan and schedule for reducing present or anticipated hydraulic or organic overload conditions within the municipal sewer system. *na*

| Task To Be Completed | By Year | Resulting Overload Reduction (in mgd or lbs BOD/day) |
|----------------------|---------|---|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

b. Attach, as a supplement, your detailed plan of action and schedule to locate and remove excessive inflow/infiltration from your sewer system. *na*

EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES

MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET

3. SEWER EXTENSIONS

a. List all sewer extensions constructed in 2017, if any: *na*

| Name of Extension | WQM Permit No. | Population (or EDUs) Permitted | Population (or EDUs) Connected in 2016 |
|-------------------|----------------|--------------------------------|--|
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

b. List all sewer extensions approved for future construction, if *na*

| Name of Extension | WQM Permit No. | Population (or EDUs) Permitted | Year Construction to Start | Year to Be Completed |
|-------------------|----------------|--------------------------------|----------------------------|----------------------|
| | | | | |
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**EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES**

**MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET**

- c. List all sewer extensions proposed but not approved during 2017: *na*

| Name of Extension | Population (or EDUs) Proposed | Year Construction Proposed to Start |
|-------------------|-------------------------------|-------------------------------------|
| | | |
| | | |
| | | |
| | | |
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| | | |
| | | |
| | | |

- d. In addition to the above information relative to each extension, an updated complete map of the entire collection system showing all 2017 extensions and all proposed sewer extensions should be submitted. Also indicate the location of any major or extraordinary system repairs as described in Item 4 below on the map.

4. SYSTEM MAINTENANCE

- a. Briefly discuss the program utilized for sewer system monitoring, maintenance, repair, and rehabilitation. Provide a description of any major or extraordinary repairs. *na*

EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES

MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET

5. SYSTEM CONDITION

- a. Briefly discuss the condition of the sewer system and indicate any portions of the system where the conveyance capacity is being exceeded or will be exceeded in the next 5 years. Rehabilitation or cleaning work which is underway, planned, or required, should also be discussed. *Unaware of conveyance capacity issues. No rehabilitation or cleaning work is currently underway, planned or required.*

6. PUMPING STATION INFORMATION

- a. List all Pumping Stations along with their respective capacities and flows: *na*

| Name of Pumping Station | Number Of Pumps | Capacity of Each Pump | Actual 2017 | | Projected 2018 | |
|-------------------------|-----------------|-----------------------|-------------------------|-----------------------|-------------------------|-----------------------|
| | | | Average Daily Flow, mgd | Maximum Day Flow, mgd | Average Daily Flow, mgd | Maximum Day Flow, mgd |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

- b. Briefly explain how the average daily flows and maximum daily flows in Section 6a were determined:

na

EXETER TOWNSHIP
WASTEWATER TREATMENT FACILITIES

MUNICIPAL WASTELOAD MANAGEMENT (CHAPTER 94) REPORT
CONTRIBUTING MUNICIPALITY WORKSHEET

- c. Briefly discuss of the condition of each pumping station listed in Section 6a.

- d. Attach a copy of the flow meter calibration report (if flow meters are provided).

3. INDUSTRIAL WASTE DISCHARGES (IF APPLICABLE)

- a. Discuss any known or suspected problems in the sewer system caused by industrial discharges. *None known.*

8. INSTRUMENT CALIBRATION RECORDS

- a. Attach copies of calibration records for flow metering instrumentation. In lieu of specific signed calibration certificates, copies of paid invoices for instrument calibration and of canceled checks may be substituted. *This portion done by Exeter Township*

Attachment No. G

PRETREATMENT PERFORMANCE SUMMARY

I. General Information

Control Authority Name: **Exeter Township**
 Address: **400 Hanover Street**
 City: **Birdsboro** State: **PA** Zip+4: **19508-9181**
 Contact Person: **Dan Farris**
 Contact Title: **Interim Superintendent / MIPP Coordinator**
 Contact Telephone Number: **610.582.8300 Ext. *124**
 E-mail Address: **dan@backflowdevicetesting.com**
 NPDES Nos: **PA0026972**
 Permit Issuance Date: **2.21.2008** Expiration Date: **2.28.2013 (Not yet received)**
 Reporting Period: **1.1.2017 to 12.31.2017**

| | |
|---|---|
| Total Categorical IUs (CIUs): | 2 |
| Total "Middle Tier" CIUs (MTCIUs): | 0 |
| Total Nonsignificant CIUs (NSCIUs): | 0 |
| Total Significant Noncategorical IUs (SNIUs): | 3 |

II. Compliance Monitoring Program

| | | |
|----|---|---|
| 1. | No. of SIUs with current Control Documents..... | 5 |
| 2. | No. of SIU Facilities Inspected..... | 5 |
| 3. | No. of SIU Facilities Sampled..... | 5 |
| 4. | No. of SIUs Submitting Self-Monitoring Reports..... | 3 |

III. Significant Industrial User Compliance

| | | |
|----|---|-------|
| 1. | No. of SIUs Violating a Compliance Schedule/No. On a Schedule..... | 0 / 0 |
| 2. | No. of SIUs in SNC for the July to December Period..... | 0 |
| 3. | No. of SIUs in SNC at Any Time During Calendar Year..... | 0 |
| 4. | No. of SIUs in SNC That Were Also in SNC During the Previous Calendar year..... | 0 |
| 5. | No. of NSCIUs that Violated any Standards or requirements..... | 0 |

IV. Enforcement Actions

| | | |
|----|---|---|
| 1. | Notices/Letters of Violation Issued to SIUs..... | 0 |
| 2. | Enforceable Compliance Schedules Issued to SIUs..... | 0 |
| 3. | Civil/Criminal Suits Filed..... | 0 |
| 4. | No. of SIUs from which Penalties have been Collected..... | 0 |
| 5. | Other Actions (sewer bans, tc.)..... | 0 |

I certify that the information contained in this report and attachments is complete and accurate to the best of my knowledge. (See Part B.V of the instructions)

 Dan Farris
 Name of Authorized Representative (Print)

 INTERIM SUPNT.
 Title (Print)

 Signature

 3.5.2018
 Date

Exeter Township
Industrial Pretreatment Program
Annual Performance Survey - 2017
Page 2 of 4

Section I - General Information

Categorical Users

Facility Name: Arkema (formerly elf Atochem, Atofina)
Address: 1112 Lincoln Road
Birdsboro, PA 19508

SIC Number(s): 28213, 28914, 28210, 28697 Organic Chemical Mfg. (40CFR Part 414)

SFSintec (formerly Construction Fasteners, Inc.)
P.O. Box 6326
Wyomissing, PA 19610

Facility Address: 41 Dennis Drive,
Reading, PA 19606

SIC Number: 3452 Metal Finishing Point (40CFR, Part 433)

Significant Noncategorical Users

GODIVA CHOCOLATIER
650 East Neversink Road
Reading, PA 19606

BKF Corporation
1100 Lincoln Road
Birdsboro, PA 19508

PIONEER CROSSING LANDFILL
727 Red Lane Road
Birdsboro, PA 19508

Section I - General Information(Cont'd)

Additions/Deletions

There were no additions or deletions during 2017

Section II - Compliance Monitoring Program

| Industry | Permit Issued | Permit Expires | # of Self-monitoring events | Sampled in 2017 | Inspected in 2017 |
|-------------------------|---------------|----------------|-----------------------------|-----------------|-------------------|
| Arkema | 2/1/13 | 1/31/18 * | 4 | Y | Y |
| SFS intec. | 2/1/14 | 1/31/18 * | 4 * | Y | Y |
| FR&S / Pioneer Crossing | 2/1/16 | 1/31/19 | 12 | Y | Y |
| Godiva Chocolatier | 2/1/13 | 1/31/18 * | 12 | Y | Y |
| BKF Corporation | 2/13/16 | 1/31/18 * | 12 * | Y | Y |

(*) Denotes all sampling performed by POTW Staff

(*) Denotes in the process of being reissued a permit

Section III - Significant Industrial User Compliance

There were no incidents of SNC during 2017.

Section IV - Enforcement Action

No action taken during 2017.

Part B - Pretreatment Developments

I. Summary of POTW Operations

1. To my knowledge, there were no episodes of upsets or pass through interference resulting in Permit violation[s]
2. Excel summary of analyses is attached

II. Pretreatment Program Changes

1. H. David has retired from Exeter WTP. Dan Farris is Interim Pre-treatment Coordinator

III. Miscellaneous Developments

None

Dan Farris
Pretreatment coordinator

Attachment No. H

| Date | Location | Reason for SSO |
|----------------|-------------------------------|--|
| April 28, 2017 | MH 142, 6302 Perkiomen Avenue | Root Blockage and/or broken inner MH lid found in pipe |

Exeter Township
Water Quality Control
400 Hanover Street
Birdsboro, PA 19508-9181
www.exetertownship.com



Phone: 610.582.8300
Fax: 610.582.1176

Paul A. Herb
Superintendent
Ext 123

H. David Miller
Asst. Superintendent
Ext 124

EXETER TOWNSHIP Water Quality Control

April 28, 2017

Mr. Kevin Buss
PA DEP
Reading District Office
1005 Crossroads Blvd.
Reading, PA 19605

Subject: SSO – Exeter Township | 6302 Perkiomen Avenue

Dear Mr. Buss,

On Friday, April 28, 2017, at 7:45 AM, Exeter Township wastewater staff responded to a reported Sanitary Sewer Overflow – SSO at the above referenced address. This site is located south of Route 422 along a private drive in a wooded parcel adjacent to Heister's Creek.

Upon arrival, staff discovered raw wastewater seeping from a manhole casting [MH 142] onto the ground. It is undetermined how much wastewater overflowed however, in that this manhole is along a lane of an occupied home, it is likely the incident was of short duration.

The blockage was easily cleared within minutes using a high pressure, root cutting nozzle. It is suspected the blockage was caused by tree root infestation since there was no evidence of dislodged grease upon clearing. Samples of the overflow were obtained and sent to Suburban Water Testing to be analyzed for BOD, TSS, TKN, and Fecal Coliform. Lime was applied to the site and follow-up televising will be conducted on Monday, April 30, 2017.

This narrative is being forwarded to your email and will be attached to the eDMR for April 2017. Should you have any questions, please contact me.

Regards,

H. David Miller
Asst. Superintendent

C: Paul Herb

LATE NOTE: 5.1.17 - Upon further investigation, a broken inner manhole lid was found to partially obstructing the line and was subsequently removed.



SUBURBAN TESTING LABS

Results Report

Order ID: 7045431

Township of Exeter
400 Hanover Street
Birdsboro, PA 19508-9181

Project: SSO #141 Analysis

Attn: Paul Herb

Regulatory ID: PA0026972

Sample Number: 7045431-01
Collector: KRD

Site: MH # 141
Collect Date: 04/28/2017 7:59 am

Sample ID:
Sample Type: Grab

| Department / Test / Parameter | Result | Units | Method | R.L. | DF | Prep Date | By | Analysis Date | By |
|-------------------------------|---------|-----------|-----------|------|----|-----------|-----|----------------|-----|
| Microbiology | | | | | | | | | |
| Fecal Coliform | >20,000 | cfu/100ml | SM 9222-D | 1 | 1 | 04/28/17 | ARG | 04/28/17 14:11 | ARG |

Sample Receipt Conditions:

All samples met the sample receipt requirements for the relevant analyses.

All results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

Collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

Reviewed and Released By:

Ryan F Knerr
Project Manager

Report Generated On: 05/03/2017 4:58 pm
STL_Results Revision #1.6

7045431
Effective: 07/09/2014

1037F MacArthur Road, Reading, PA 19605 Phone: 800-433-6595 Fax: 610-375-4090 suburbantestinglabs.com

SUBURBAN TESTING LABS



PADEP 06-00208



SUBURBAN TESTING LABS

1

610



7045431
Jennifer Moyer

TAT (Circle One): Standard 24hr / 48hr / 72hr /
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply)

Order ID:

Client Name: EXETER TOWNSHIP WQC
Address: 400 HANOVER STREET
BIRDSBORO, PA 19508-9181
Contact Name: PAUL HOUB

Phone: 610-582-8300
Fax:
Email:

Project Name: SSO # 141
Address:
Payment / P.O. Info:

Comments:

| STL Sample Number | Sample Description / Site ID: | Date Sampled | Time Sampled | Samplers Initials | Test(s) Requested: | Bottle Quantity | See Codes Below | | | | Comments / Field Data: |
|-------------------|-------------------------------|----------------|--------------|-------------------|-----------------------|-----------------|-----------------|-------------|-------------|--------------|------------------------|
| | | | | | | | Matrix | Sample Type | Bottle Type | Preservative | |
| | <u>Ut # 141</u> | <u>4/28/17</u> | <u>759</u> | <u>KLD</u> | <u>Fecal Coliform</u> | <u>1</u> | <u>NAW</u> | <u>G</u> | <u>P</u> | <u>N</u> | |
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|--|--|---|--|---|---|---|
| Relinquished By: <u>[Signature]</u> | Date: <u>4/28/17</u> Time: <u>9:35A</u> | | Sample Conditions | Matrix Key | Bottle Type Key | Reporting Options |
| Received By: <u>[Signature]</u> | Date: <u>4/28/17</u> Time: <u>9:35</u> | Temp °C: <u>4.8</u> Acceptable: <u>Y/N</u> | Submitted with COC? <u>(Y/N)</u> | NPW = Non-Potable Water Solid = Raw Sludge, Dewatered sludge, soil, etc. (reported as mg/kg) | P = Plastic G = Glass O = Other | <input type="checkbox"/> SDWA Reporting PWSID: <u> </u> |
| Relinquished By: <u>[Signature]</u> | Date: <u>4/28/17</u> Time: <u>9:40</u> | Temp °C: <u>4.8</u> Acceptable: <u>Y/N</u> | Number of containers match number on COC? <u>(Y/N)</u> | PW = Potable Water (not for SDWA compliance) SDWA = Safe Drinking Water Act Potable Sample | Preservative Key N = Sodium | <input type="checkbox"/> Fax <input type="checkbox"/> Email |
| Received in Lab By: <u>[Signature]</u> | Date: <u>4/28/17</u> Time: <u>9:40</u> | Temp °C: <u>4.8</u> Acceptable: <u>Y/N</u> | Tests within holding times? <u>(Y/N)</u> | Sample Type Key G = Grab 8HC = 8 Hr Composite 24HC = 24 Hr Composite | SDWA Sample Types D = Distribution E = Entry Point R = Raw C = Check S = Special M = Maximum Residence | <input type="checkbox"/> Other <u> </u> <input type="checkbox"/> Return a copy of this form with Report |
| | | | 40 mL VOA vials free of headspace? <u>Y/N</u> | | A = Ascorbic Acid H = HNO ₂ C = HCl S = H ₂ SO ₄ OH = NaOH NA = None Required | |

Signing this form indicates your agreement with STL's Standard Terms and Conditions unless otherwise specified in writing. SLF069 Rev. 1.3 Effective May 16, 2013. Shaded areas are for STL use only.



Results Report

Order ID: 7045453

Township of Exeter
400 Hanover Street
Birdsboro, PA 19508-9181

Project: SSO #141 Analysis

Attn: Paul Herb

Regulatory ID: PA0026972

Sample Number: 7045453-01

Site: MH # 141

Sample ID:

Collector: KRD

Collect Date: 04/28/2017 7:59 am

Sample Type: Grab

| Department / Test / Parameter | Result | Units | Method | R.L. | DF | Prep Date | By | Analysis Date | By |
|---------------------------------------|--------|-------|-----------|------|----|-----------|-----|----------------|-----|
| Inorganics | | | | | | | | | |
| Biochemical Oxygen Demand (5 day BOD) | 57.0 | mg/L | SM 5210-B | 2.0 | 1 | 04/28/17 | CEK | 04/28/17 18:32 | CEK |
| Total Kjeldahl Nitrogen (TKN) | 29.4 | mg/L | EPA 351.2 | 2.50 | 1 | 05/02/17 | TML | 05/05/17 12:49 | TML |
| Total Suspended Solids (TSS) | 169 | mg/L | SM 2540-D | 4.0 | 1 | 05/02/17 | MMR | 05/02/17 14:33 | MMR |

Sample Receipt Conditions:

All samples met the sample receipt requirements for the relevant analyses.

results meet the requirements of STL's TNI (NELAC) Accredited Quality System unless otherwise noted. If your results contain any data qualifiers or comments, you should evaluate useability relative to your needs.

If collectors initials include "STL", samples have been collected in accordance with STL SOP SL0015.

All results reported on an As Received (Wet Weight) basis unless otherwise noted.

This laboratory report may not be reproduced, except in full, without the written approval of STL.

Results are considered Preliminary unless report is signed by authorized representative of STL.

Reviewed and Released By:

Ryan F Knerr
Project Manager

Report Generated On: 05/08/2017 3:29 pm
STL_Results Revision #1.6

7045453
Effective: 07/09/2014





SUBURBAN TESTING LABS

3



7045453
Jennifer Moyer

TAT (Circle One): Standard 24hr / 48hr / 72hr / _____
(Additional charges may apply for rush TAT. If not specified, standard TAT will apply)

Order ID: _____

Client Name: EXETER TOWNSHIP WOC
Address: 400 HANOVER STREET
BIRDSBORO, PA 19508-9181
Phone: 610.582.8300
Contact Name: PAUL HERB
Email: _____

Sample Name: SSO # 141
Address: _____
Payment / P.O. Info: _____

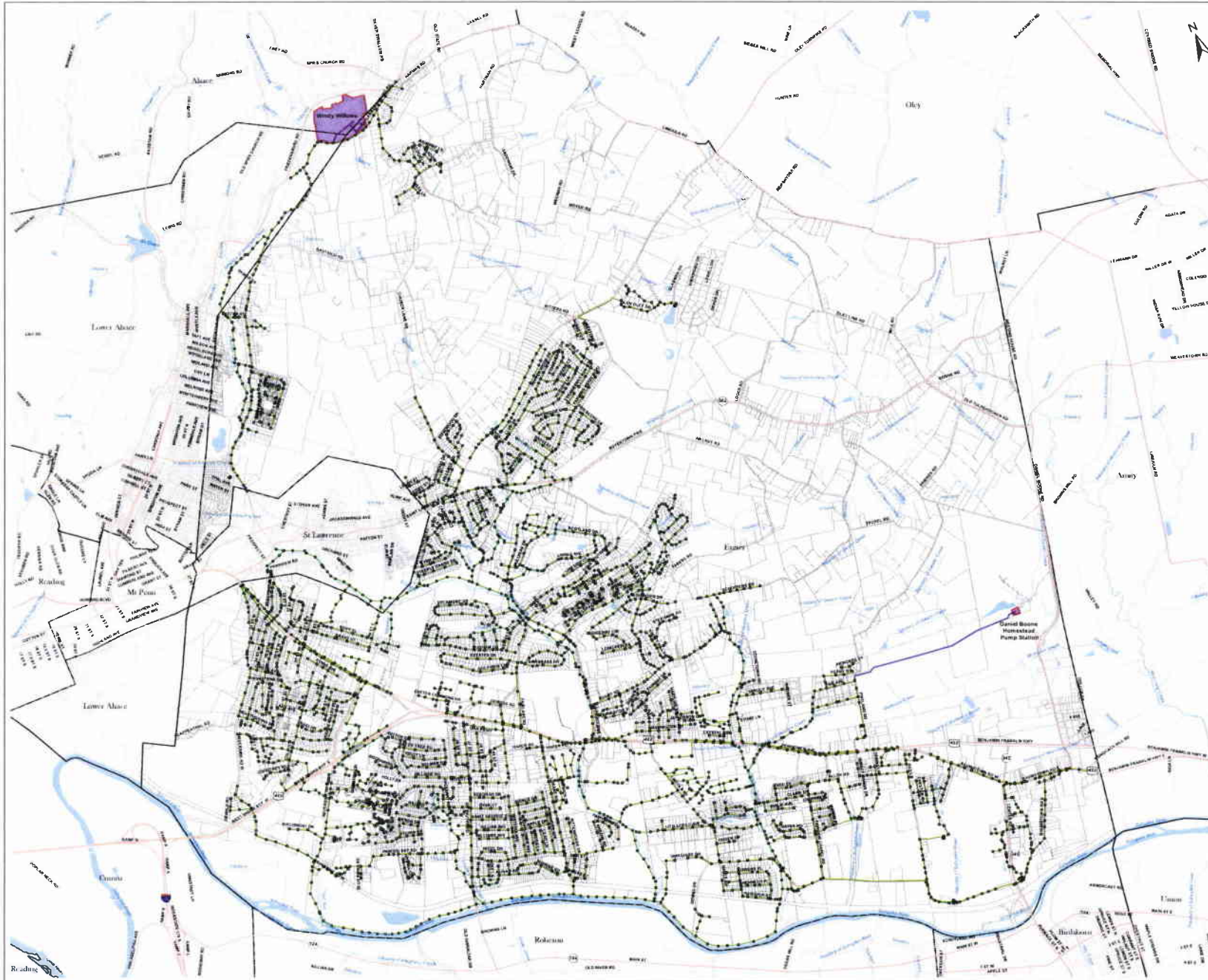
Comments:

| STL Sample Number | Sample Description / Site ID: | Date Sampled | Time Sampled | Samplers Initials | Test(s) Requested: | Bottle Quantity | See Codes Below | | | | Comments / Field Data: |
|-------------------|-------------------------------|----------------|--------------|-------------------|---|-----------------|-----------------|-------------|-------------|--------------|------------------------|
| | | | | | | | Matrix | Sample Type | Bottle Type | Preservative | |
| | <u>MH # 141</u> | <u>4/28/17</u> | <u>759</u> | <u>KRD</u> | <u>BOD + TSS + TKN</u> | <u>2</u> | <u>NPW</u> | <u>P</u> | <u>NA</u> | | |
| | | | | | <u>split</u> | | | | | | |
| | | | | | <u>500 mL P into 500 mL P H₂SO₄</u> | | | | | | |
| | | | | | <u>for TKN</u> | | | | | | |
| | | | | | <u>3/24/17</u> | | | | | | |

| | | | | | | |
|--|---|--|--|---|--|---|
| Relinquished By: <u>[Signature]</u> | Date: <u>4/28/17</u> Time: <u>9:35A</u> | | Sample Conditions | Matrix Key | Bottle Type Key | Reporting Options |
| Received By: <u>[Signature]</u> | Date: <u>4/28/17</u> Time: <u>9:35</u> Temp °C: <u>4.8 on ice</u> Acceptable: <u>Y/N</u> | | Submitted with COC? <u>Y</u> / N | NPW = Non-Potable Water Solid = Raw Sludge, Dewatered sludge, soil, etc. (reported as mg/kg) | P = Plastic G = Glass O = Other | [] SDWA Reporting PWSID: _____ |
| Relinquished By: <u>[Signature]</u> | Date: <u>4/28/17</u> Time: <u>9:40</u> Temp °C: <u>4.8</u> Acceptable: <u>Y/N</u> | | Number of containers match number on COC? <u>Y</u> / N | PW = Potable Water (not for SDWA compliance) SDWA = Safe Drinking Water Act Potable Sample | Preservative Key N = Sodium Thiosulfate | [] Fax [] Email |
| Received In Lab By: <u>[Signature]</u> | Date: <u>4/28/17</u> Time: <u>9:40</u> Temp °C: <u>4.8</u> Acceptable: <u>Y/N</u> | | All containers in tact? <u>Y</u> / N | Sample Type Key G = Grab 8HC = 8 Hr Composite 24HC = 24 Hr Composite | SDWA Sample Types D = Distribution E = Entry Point R = Raw C = Check S = Special M = Maximum Residence | [] Other [] Return a copy of this form with Report |

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Exeter Township
2017 Chapter 94
Sanitary System Map



Legend

- Pump Stations
- Sanitary Manholes
- Existing Sanitary Sewer
- - - Proposed Sanitary Sewer Extension
- State Roads
- Local Roads
- Streams
- Water
- Parcel
- Municipal
- Proposed Construction Area

2,800 1,400 0 2,800 Feet

1 inch = 1,400 feet

EXETER TOWNSHIP
 2017 CHAPTER 94 SANITARY SYSTEM MAP
 EXETER TOWNSHIP BERKS COUNTY PENNSYLVANIA

GVC
GREAT VALLEY CONSULTANTS
 25 COMMENCE DRIVE, WYOMING, PA. 19381-1918
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ENGINEERS • ARCHITECTS • PLANNERS • CONSULTANTS • SURVEYORS

| | |
|------------------------------|---------------------------------|
| DRAFTED BY: J. MILLER | SCALE: 1" = 1,400' |
| CHECKED BY: E. MCKENNA | DATE: 03/2016 |
| PROJECT: SANITARY SYSTEM MAP | DRAWING NUMBER: 1015-1092-D-001 |