

August 1, 2022

Via Electronic Filing

Rosemary Chiavetta, Secretary
Pennsylvania Public Utility Commission
400 North Street, 2nd Floor
Harrisburg, PA 17120

Re: PaPUC Docket No. M-2018-2645983
Pa. P.U.C. v. North Heidelberg Sewer Company

PaPUC Docket No. I-2018-3001161
Section 529 Investigation – North Heidelberg Sewer Company

Dear Secretary Chiavetta:

We are counsel to Aqua Pennsylvania Wastewater, Inc. concerning the above matters and are submitting, via electronic filing with this letter, Aqua's Eighteenth Status Report dated August 1, 2022. We are also filing the Eighteenth Status Report at I-2018-3001161, the Section 529 Investigation Docket. Please contact me with any questions concerning this matter.

Very truly yours,

THOMAS, NIESEN & THOMAS, LLC

By 

Thomas T. Niesen

Enclosure

cc: The Honorable Steven K. Haas (via email, w/encl.)
Carrie B. Wright, Prosecutor (via email, w/encl.)
Christine Maloni Hoover, Deputy Consumer Advocate (via email, w/encl.)
Teresa Reed Wagner, Office of Small Business Advocate (via email, w/encl.)
Sean Cooper, Esq. (via email, w/encl.)
Tori L. Giesler, Esq. (via email, w/encl.)
Aaron J. Beatty, Esq. (via email, w/encl.)
Susan Simms Marsh, Esq. (via email, w/encl.)
Michael A. Gruin, Esq. (via email, w/encl.)
John D. Hollenbach (via email, w/encl.)
John H. Guenther, Jr. (via first class mail, w/encl.)
Alexander R. Stahl, Esq. (via email, w/encl.)



EIGHTEENTH STATUS REPORT
TO THE
PENNSYLVANIA PUBLIC UTILITY COMMISSION

NORTH HEIDELBERG SEWER COMPANY
AQUA PENNSYLVANIA WASTEWATER, INC., AS RECEIVER

DOCKET NO. M-2018-2645983

DOCKET NO. I-2018-3001161

Dated: August 1, 2022

A. BACKGROUND

On February 9, 2018, the Pennsylvania Public Utility Commission (“PUC” or the “Commission”) entered an Order in Docket No. M-2018-2645983 (“February 9 Order”) naming Aqua Pennsylvania Wastewater, Inc. (“Aqua” or the “Company”) as receiver for the North Heidelberg Sewer Company (“NHSC”). Aqua was directed to assume its receivership role on March 5, 2018. Included within the PUC’s February 9 Order, the Company was directed to “[s]ubmit an initial status report with the Commission within 60 days of assuming operations and then quarterly thereafter to detail any relevant updates pursuant to duties and responsibilities assigned through receivership.”¹

Aqua submitted its initial status report on the operations of NHSC as directed by the Commission on May 4, 2018. Aqua submitted its second, third, fourth, fifth, sixth, seventh, eighth, ninth, tenth, eleventh, twelfth, thirteenth, fourteenth, fifteenth, sixteenth, and seventeenth status reports to the Commission on August 6, 2018, November 5, 2018, February 3, 2019, May 7, 2019, August 5, 2019, November 4, 2019, February 3, 2020, May 4, 2020, August 3, 2020, November 2, 2020, February 1, 2021, May 3, 2021, August 2, 2021, November 1, 2021, January 31, 2022, and May 2, 2022, respectively. Aqua now submits its eighteenth status report on the operations of NHSC to the Commission.

On September 14, 2021, Aqua submitted a Petition to Affirm and Clarify the Conditions Set Forth in Appendix A of the Opinion and Order Entered February 9, 2018, at Docket No. M-2018-2645983 (“September 2021 Petition”). The September 2021 Petition sought to clarify and ensure that the Company could expeditiously remediate and rebuild the NHSC wastewater treatment facilities that experienced extraordinary storm damage from Hurricane Ida. The Commission issued its Order Entered October 7, 2021 (“October 7 Order”), amending Appendix A to the February 9 Order requiring Aqua to identify, list, and undertake the capital investments required to fully remediate extraordinary storm damage sustained by NHSC. As part of the Commission’s October 7 Order, the Commission required, on a going forward basis beginning with the November 1, 2021 status report, that Aqua provide data regarding the estimated cost of repairs versus the estimated cost of replacement of the affected NHSC facilities, timelines for implementing those options, and the option that Aqua selects or intends to select. The Commission required this ongoing reporting until all necessary capital improvements have been completed and placed in service.

B. EIGHTEENTH STATUS REPORT

1. Operations and Capital Expenditures

On March 5, 2018, Aqua assumed its role as receiver for NHSC. On September 1 and 2, 2021, the NHSC system experienced extraordinary damage from Hurricane Ida as detailed in the Company’s September 2021 Petition and its fifteenth status report.

¹ Pa. P.U.C. v. North Heidelberg Sewer Co., Docket No. M-2018-2645983, Opinion and Order Appendix A Paragraph 1.o. (Feb. 9, 2018).

Since the seventeenth status report, the NHSC system was issued a notice of violation (“NOV”) from the Pennsylvania Department of Environmental Protection (“DEP”) on June 16, 2022 for National Pollution Discharge Elimination System (“NPDES”) permit exceedance related to Total Suspended Solids and Total Phosphorus and experienced a sanitary sewer overflow (“SSO”) on July 21, 2022. The Company’s response to the June 16, 2022 NOV was filed on August 1, 2022. The Company submitted its five-day report and completed a routine partial inspection with DEP on July 28, 2022 in response to the SSO. Please refer to **Attachment A** for the NOV issued by DEP and the Company’s response. Please refer to **Attachment B** for the five-day report and sewage inspection report related to the SSO. Please refer to **Attachment C** for an updated detailed listing of repairs and replacements completed to restore operational function of the NHSC plant. In addition, the following improvements were made to the system:

- i. New refrigerated samplers installed.
- ii. Repaired pump at Pump Station No. 2.
- iii. Changed oil and filters on all blowers.
- iv. Cleaned and camera the plant effluent line.
- v. Installed new water line at the plant.
- vi. Installed a temporary generator at Pump Station Zero.

As Aqua continues to make improvements to ensure quality and reliable service, Aqua will provide progress and cost updates consistent with the Commission’s February 9 Order and October 7 Order. Aqua will have further information on operational issues in later reports.

2. Financial

In Aqua’s fifth status report to the Commission, filed on May 7, 2019, Aqua submitted trial balances for NHSC for year-end 2017 and a balance sheet and income statement for NHSC as of March 5, 2018 which was the beginning of Aqua’s receivership.

3. Acquisition of System

The Commission has requested that Administrative Law Judge (“ALJ”) Haas issue a decision no later than June 30, 2022, regarding the NHSC 529 Proceeding. On June 24, 2022, ALJ Haas issued his recommended decision approving without modification the Joint Petition for Approval of Settlement filed on May 13, 2022.

C. CONCLUSION

Aqua will continue to investigate the system’s operations and financial status and will make necessary improvements to operate NHSC to ensure quality service to the NHSC customers for the period of its receivership duties during the 529 proceeding. Aqua will provide its next status

report on or before October 31, 2022, provided that the Commission has not issued a final order before that date.

Attachment A



June 16, 2022

NOTICE OF VIOLATION

VIA ELECTRONIC MAIL

Mark Bubel
Aqua America
P.O. Box 609
Bernville, PA 19506
MJBubel@aquaamerica.com

Re: Sewage
North Heidelberg STP
NPDES Permit No. PA0033766
Jefferson Township, Berks County

Dear Mr. Bubel:

On April 4, 2022 and May 12, 2022, the Department of Environmental Protection (“Department”) conducted inspections of the North Heidelberg Sewage Treatment Plant. Analysis of effluent samples collected by the Department during the inspections revealed the following exceedances of NPDES Permit Limits:

Sample Date	Parameter	Statistical Base Code	Permit Limit	Reported Value
April 14, 2022	Total Suspended Solids	Instantaneous Maximum	60 mg/L	237 mg/L
April 14, 2022	Total Phosphorus	Instantaneous Maximum	2.0 mg/L	6.2 mg/L
May 12, 2022	Total Suspended Solids	Instantaneous Maximum	60 mg/L	124 mg/L
May 12, 2022	Total Phosphorus	Instantaneous Maximum	2.0 mg/L	3.7 mg/L

I am requesting that you submit a full report of your own independent investigation to include the circumstances leading to these conditions, the details of the conditions themselves, and the measures taken to alleviate the problem, with associated dates and times. Any additional preventive measures you are planning should be outlined with an implementation schedule. We ask that you submit this report within fourteen (14) days of the date of this letter.

June 16, 2022

This Notice of Violation is neither an order nor any other final action of the Department. It neither imposes nor waives any enforcement action available to the Department under any of its statutes. If the Department determines that an enforcement action is appropriate, you will be notified of the action.

If you have any questions concerning this notice, please contact me at 717.705.4650 or kbuss@pa.gov.

Sincerely,

Kevin Buss

Kevin Buss
Environmental Compliance Specialist
Clean Water Program



August 1, 2022

Mr. Kevin Buss
Environmental Compliance Specialist
Pennsylvania Department of Environmental Protection
Clean Water Program
909 Elmerton Ave.
Harrisburg, PA 17110 – 8200

Re: Sewage
North Heidelberg STP
NPDES Permit No. PA0033766
Jefferson Township, Berks County

Dear Mr. Buss,

In response to your NOV letter dated 6-16-22, please accept this letter as Aqua's formal response, on behalf of North Heidelberg Sewer Company, which you requested be submitted within 14 days of the above date. On June 30, we requested an extension to our response via email to allow Aqua to further investigate and this was granted with a required response date of 8-1-22.

We believe it is important to note that Aqua Pennsylvania Wastewater, Inc. is not the facility owner nor NPDES Permittee. Aqua was appointed receiver of the system by the Pennsylvania Utility Commission (PUC) and took over from the previous longtime owner in March 2018.

Aqua has reviewed the attached analytical Reports for both the April and May 2022 samples collected by DEP; we understand that the samples were grab samples collected at the end of the outfall pipe rather than 24hr composite samples collected at the compliance point post UV disinfection in the plant. The Lab Report for the 4-14-22 sample notes the stream condition as "brown, turbid" and we would like to clarify that this is a normal occurrence and is not caused by our discharge as this note suggests. Our site visit on Monday, June 27, observed the stream standing at the outfall pipe location, and the stream also looked cloudy and turbid both upstream and downstream while our discharge was clear. We have attached pictures (see PDF) that were taken at the outfall looking in the direction of the stream do not show the presence of suspended solids, and the rip-rap below the outfall was free of solids or debris.

During our investigation, we found that the manhole (MH) to which the facility presently discharges is in a slump in the stone driveway (see attached PDF). The orientation of the MH frame and lid, and presence of silt and mud around it, suggested that this material was likely entering the MH through the lid. Aqua has added a plastic insert used for infiltration and inflow (I&I) abatement in the manhole frame which should address this potential source of suspended solids, as illustrated in the PDF. In addition, we suspected that the section of gravity sewer between the above-described manhole and the most easterly manhole within the confines of the fenced in area of the treatment plant site may be at an extremely flat grade or possibly even have a sump / belly in this pipe segment. We had the entire

effluent discharge pipe CCTV'd on July 14 and confirmed there is a significant belly in this section of pipe (see attached PDF). We believe that it is possible under typical low flow conditions, that the TSS within the discharge may settle and accumulate within this stretch of piping and periodically off-gas / burp and be carried to the point of discharge where DEP conducted sampling. We suggest that this TSS may meet compliance, however, as mentioned, under typical low flow conditions it may settle and accumulate resulting in periodic elevated TSS conditions which were observed in the DEP samples. We also discovered a buildup of algae at the end of the discharge pipe where DEP collected their samples. We believe that these samples may have contained some of these algae or legacy TSS. Sampling this material would explain the elevated TSS and Phosphorus results.

Aqua respectfully requests that the DEP reconsider the June 16, 2022 NOV in light of the following:

1. The samples DEP collected were at the end of the discharge pipe, well downstream of the treatment plant compliance point;
2. The samples were grab samples not representative of the effluent quality for the day;
3. There is a clear possibility that the DEP samples contained legacy solids or algae that was clearly observed during our investigation and CCTV work.

We would also like to make note that Aqua expects to acquire the NHSC system in September of this year. We are working on the NPDES Permit renewal application as well as the WQM Permit Transfer Application in anticipation of this approximate closing time frame. We are also in the process of assembling bid documents for the CCTV'ing of the entire collection system given existing I&I. In addition, we are expecting a design-build proposal for repairs to the existing control building and UV disinfection system imminently. Monies have been budgeted for both efforts this year in anticipation of closing. We will keep DEP up to date in this regard.

We trust that we have addressed DEP's questions and concerns related to the June 16, 2022 NOV and would like to request a meeting or call to discuss these findings. Please don't hesitate to contact me at (610) 804-9537 or mjbubel@aquaamerica.com if you have any questions.

Sincerely,



Mark J. Bubel
Senior Project Engineer
Aqua Pennsylvania Wastewater, Inc.

cc: Todd Duerr, VP of Production (Aqua)
Matt Miller, Director of Water Quality and Compliance (Aqua)
Kyle McCullough, Area Supervisor (Aqua)

North Heidelberg Sewer Company STP



6-27-22 - Manhole to which the ultraviolet disinfection system effluent discharge pipe is connected. Note the adjacent puddle in this low spot. TSS may be introduced at this location. Plastic manhole insert to be installed to prevent introduction of TSS at this location.



Effluent discharge grab sample 6-27-22 from the ultraviolet disinfection system effluent discharge pipe seen in manhole



6-27-22 Driveway drainage leading to the effluent discharge manhole on the effluent pipe



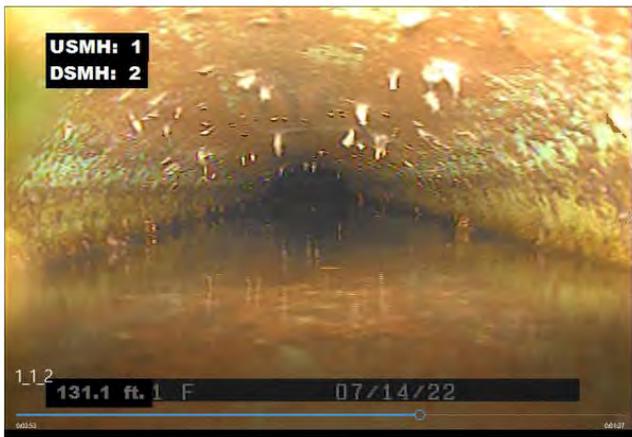
Plastic Insert installed 7-14-22 preventing TSS introduction



Plant discharge outfall pipe 6-27-22



Discharge location showing rip-rap downstream of outfall pipe 6-27-22



7-14-22 Discharge pipe belly between point of compliance sampling point and manhole on east side of WWTF plant site



Date of Issue: 06/16/2022 11:11:39

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Water Quality Protection

Sample ID: 1827 022

Date Collected: 05/12/2022 01:15:00 PM

Lab Sample ID: I2022008007

Status: Completed

Name of Sample Collector: Adam Aponte

Date Received: 05/13/2022

County: Berks

State:

Municipality: Jefferson Twp

NORTH HEIDELBERG STP

KOENIG RD

BERNVILLE PA.

Facility/Permit ID: PA0033766

FIX ID: 478972

Facility: NORTH HEIDELBERG STP

Sub-Facility: 001

FIX ID: 345516

Name: DISCH NORTHKILL CR

Sample Medium: Effluent

Sample Medium Type: Effluent And Influent

Location: NOT INDICATED

Reason: Routine Sampling

Project: NOT INDICATED

Standard Anlysis: 077

Matrix: Water

Field Tests		
pH	7.55	pH units
Chlorine	0.00	mg/L

**Analytical Report For
Water Quality Protection**

Sample ID: 1827 022

Date Collected: 05/12/2022 01:15:00 PM

Lab Sample ID: I2022008007

Status: Completed

Field Tests		
Temperature	17.8	C
Dissolved Oxygen	9.17	mg/L

Stream Condition:

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
00410 ALKALINITY AS CaCO3 @ pH 4.5	93.0 mg/L	05/16/2022 01:28 PM	JAHOUE	SM 2320B
** Comment ** Sample bottle had headspace present before analysis				
00610A AMMONIA TOTAL AS NITROGEN	0.07 mg/L	05/26/2022 09:01 PM	LBENT	EPA 350.1
00316 Carbonaceous Biochemical Oxygen Demand 5 Day	13.66 mg/L	05/18/2022 09:46 AM	MTUZINSKI	OTHER SM 5210B + HACH 10360 (DO)
00625A Total Kjeldahl Nitrogen	9.67 mg/L	05/25/2022 01:46 PM	MBOTTS	EPA 351.2
00620A Total Nitrate Nitrogen-Colorimetric	17.00 mg/L	05/13/2022 03:18 PM	TBEAR	EPA 353.2
00615A Total Nitrite Nitrogen-Colorimetric	<0.01 mg/L (U)	05/13/2022 02:35 PM	TBEAR	EPA 353.2
00665A Total Phosphorus as P	3.669 mg/L	05/27/2022 03:12 PM	LBENT	EPA 365.1
00530V TOTAL SUSPENDED SOLIDS	124 mg/L	05/13/2022 02:18 PM	JRONEMUS	USGS I-3765-85

The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2016 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.

* denotes tests that the laboratory is not accredited for

U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

Dr. Pamela Higgins, Technical Director, Bureau of Laboratories



Date of Issue: 05/11/2022 03:23:20

DEP Bureau of Laboratories - Harrisburg
P.O. Box 1467
2575 Interstate Drive
Harrisburg, PA 17105-1467

Contact Phone Number: (717) 346-7200

NELAP - accredited by

NJ DEP - Laboratory Number: PA059
PA DEP LAP - DEP Lab ID: 22-00223

Analytical Report For
Water Quality Protection

Sample ID: 1827 008

Date Collected: 04/14/2022 12:04:00 PM

Lab Sample ID: I2022005946

Status: Completed

Name of Sample Collector: Adam Aponte

Date Received: 04/15/2022

County: Berks

State:

Municipality: Jefferson Twp

NORTH HEIDELBERG SEW CO STP
PO BOX 309
BERNVILLE PA. 195060309

Facility/Permit ID: PA0033766

FIX ID: 478972

Facility: NORTH HEIDELBERG STP

Sub-Facility: 001

FIX ID: 345516

Name: DISCH NORTHKILL CR

Sample Medium: Effluent/Influent

Sample Medium Type: Effluent And Influent

Location: outfall pipe

Reason: Routine Sampling

Project: NOT INDICATED

Standard Anlysis: 077

Matrix: Water

Field Tests		
pH	8.01	pH units
Temperature	19.2	C

**Analytical Report For
Water Quality Protection**

Sample ID: 1827 008

Date Collected: 04/14/2022 12:04:00 PM

Lab Sample ID: I2022005946

Status: Completed

Field Tests		
Dissolved Oxygen	8.71	mg/L

Stream Condition:

Appearance: brown, turbid

Test Codes / CAS # - Description	Reported Results	Date And Time Analyzed	Approved by	Test Method
00410 ALKALINITY AS CaCO3 @ pH 4.5	222.6 mg/L	04/15/2022 02:30 PM	JAHOUE	SM 2320B
** Comment ** Sample bottle had headspace present before analysis				
00610A AMMONIA TOTAL AS NITROGEN	0.12 mg/L	04/26/2022 08:39 PM	MTUZINSKI	EPA 350.1
00316 Carbonaceous Biochemical Oxygen Demand 5 Day	26.02 mg/L	04/20/2022 09:31 AM	MTUZINSKI	OTHER SM 5210B + HACH 10360 (DO)
00625A Total Kjeldahl Nitrogen	14.98 mg/L	04/28/2022 12:22 PM	MBOTTS	EPA 351.2
00620A Total Nitrate Nitrogen-Colorimetric	19.79 mg/L	04/15/2022 12:40 PM	TBEAR	EPA 353.2
00615A Total Nitrite Nitrogen-Colorimetric	0.08 mg/L	04/15/2022 12:05 PM	TBEAR	EPA 353.2
00665A Total Phosphorus as P	6.174 mg/L	05/03/2022 12:57 AM	MBOTTS	EPA 365.1
00530V TOTAL SUSPENDED SOLIDS	237 mg/L	04/15/2022 03:46 PM	JRONEMUS	USGS I-3765

The results of the analyses provided in this laboratory report relate only to the sample(s) identified therein. Unless otherwise noted, the results presented on this laboratory report meet all requirements of the 2016 TNI standard. Sample was in acceptable condition when received by the Laboratory. Any exceptions are noted in the report.

* denotes tests that the laboratory is not accredited for

U - Indicates analysis was performed for the test but it was not detected. The sample quantitation limit is reported.

J - Indicates an estimated value, reported between Reporting Limit (RL) and Minimum Detection Limit (MDL).

Dr. Pamela Higgins, Technical Director, Bureau of Laboratories

Attachment B



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT

NON-COMPLIANCE REPORTING FORM

Use this supplemental form to report all permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of pollution incidents, remediation, and may require an additional report on the incident or plan of pollution prevention measures. If you are reporting other non-compliance events, and the reporting deadline does not coincide with your submission of the DMR, it should be submitted separately to the Department by the reporting deadline set forth in the permit. See instructions for more information.

Facility Name: North Heidelberg Waste Water System Month: July Year: 2022
Municipality: JEFFERSON County: BERKS Permit No.: 0033766

Violations of Permit Effluent Limitations*

Date	Parameter	Permit Limit	Units	Statistical Code	Result	Units	Cause of Violation	Corrective Action Taken

Sanitary Sewer Overflows and Other Unauthorized Discharges*

Event Date	Substance Discharged	Location	Volume (gals)	Duration (hrs)	Receiving Waters	Impact on Waters	Cause of Discharge	Date DEP Notified
7/21/22	WASTE WATER	30 Golf Circle	<1gal	2 hrs	NONE	NONE	Lost Power to Station	7/21/22

Other Permit Violations*

- Sample collection less frequent than required Explain _____
- Sample type not in compliance with permit Explain _____
- Violation of permit schedule Explain _____
- Other Explain _____
- Other Explain _____

*If the space provided is not sufficient to record all information, please attach additional sheets.

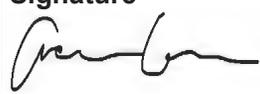
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly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

Prepared By: Frank Rodden
Title: Field Supervisor

Signature: Frank Rodden
Date: 7/22/22

Aqua America, Limerick office

SEWAGE INSPECTION REPORT

Permit Number	Inspection Date	Entry Time	Exit Time	Inspection Type	Inspection ID
PA0033766	07/28/2022	09:05	11:00	RTPT	3398822
Municipality	Jefferson		County	Berks	
Facility Name	NORTH HEIDELBERG STP		Permittee Name	NORTH HEIDELBERG SEW CO	
24-Hour Emergency Contact Person/Phone	Jeff Grassley /		Email	jgrassley@comcast.net	
Physical Location Address	KOENIG RD, BERNVILLE, PA, 19506				
Permit Expiration Date	04/30/2014	Next Submittal DueDate	----	----	
Violations*	No Violations Noted				
Recommendations					
Upload the non-compliance reporting form with North Heidelberg's July DMR.					
Person Interviewed	Frank Rodden	Date	07/28/2022	Inspector	ADAM APONTE
Signature	---	Phone Number	(484) 949-0879	Signature	
				Phone Number	(717) 816-3505
Title	Field Supervisor		Title	ENVTL TRN	
Email	FXRodden@aquaamerica.com		Email	adaponte@pa.gov	
<p>This document is official notification that a representative of the Department of Environmental Protection inspected the above facility. The findings of this inspection are shown above and on any attached pages. *Any violations which were noted during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses of the discharge and/or review of Department records.</p>					

SEWAGE INSPECTION REPORT

Facility Details Section			
Responsible Official	JOESPH AICHHOLZ	Title	CEO
Business Phone	(484) 599-2377	Email	msteele@eema-inc.com
Permittee Address	PO BOX 609, BERNVILLE, PA, 19506-0609		
Certified Operator	STEELE MICHELLE	Client ID	256947
Certificates	A,E-1,2,4	Certification Status	Active
		Expiration Date	09/30/2022
Is a Copy of the permit(s) on-site?			Yes
Has the interviewed operator/person reviewed the facility's permit(s)?			Yes
Comments			
<p>Routine Partial Inspection conducted with Kevin Buss (Environmental Compliance Specialist), Jeff Grassley (Daily Operator), Frank Rodden (Field Supervisor) and Kyle McCullough (Area Supervisor 3). Weather is sunny and clear.</p> <p>Routine Partial inspection was conducted in response to a sanitary Sewer overflow(SSO) that occurred on 7/21/22 when the pump station at Golf Circle (also known as "ground zero" amongst the operators at North Heidelberg) lost power. Notification was sent to the PA DEP Emergency response hotline on 7/21/22 at 14:50. It was estimated that 5 gallons of sewage reached the surface of the ground at the Golf Circle pump station. No impacts to waterway were reported. A 5-day report was received by email on 7/25/22. . In response to the power outage, a portable 75 kW generator was placed on site. Power was re-established before the generator was used. Frank Rodden stated that the pump station will need to be fitted with a transfer switch to implement the generator into the plant permanently. None of the pump stations connected to North Heidelberg STP currently have back up power.</p> <p>North Heidelberg STP uses four pump stations. The pump station at Golf Circle pumps to the STP. Two additional pump stations at Patricia Dr. and Walnut Dr pump in parallel to a pump station at 85 Hickory Lane, which pumps to the North Heidelberg STP. Each pump station is equipped with an Omnisite Crystal Ball pump monitoring and control system which measures flow, pump hours and has an auto-dialer which can contact the operator.</p> <p>All pump stations are fenced in and locked up. During the inspection, Patricia Drive pump station, Walnut Dr Pump station, and Golf Circle pump station were observed.</p>			
Participants:			
Kyle Mccullough (Area supervisor 5), Jeff Grassley (Daily Operator), Frank Rodden (Field Supervisor)			

SEWAGE INSPECTION REPORT

7 PS Pump Stations: 0694411 - PUMP STATION #1

Pump Stations

PS-1	How many pump stations are part of the facility's collection system?	4	
PS-2	Are pump station flows recorded?	Yes	
PS-3	How are flows measured?	Estimated from pump run times	
PS-4	What type of flow meter/sensor is in use?	Other	
PS-5	When was the most recent flow meter calibration done?	N/A	
PS-7	Are pump stations monitored with alarms?	Yes	
PS-8	Are the alarms operable?	Yes	
PS-9	Are the pump stations equipped with backup auxiliary power?	No	

Attachment C

(A)

(B)

Incurred Costs Regarding Hurricane Ida Repairs		
	Amount	Description
(1)	\$ 4,920.50	Seed Sludge/Hauling to restore biological processes.
(2)	\$ 6,427.00	Three (3) replacement blower motors and miscellaneous electrical equipment
(3)	\$ 93.76	Miscellaneous fittings and supplies
(4)	\$ 204,031.14	Hauling costs to Pottstown and Bernville
(5)	\$ 7,590.00	Overtime labor for contract operator
(6)	\$ 21,624.00	Electrical repairs and labor and first month rental of generator
(7)	\$ 22,984.50	Engineering consulting, permitting, design, site management through 9/25/21
(8)	\$ 108,750.00	Ultraviolet disinfection and Mag Meter
(9)	\$ 241,821.40	Installation of 36-inch primary culvert and 24-inch emergency culvert
(10)	\$ 123,443.24	Equipment and Labor for site repairs, hauling, UV install, site clean up
(11)	\$ 2,410.00	2nd Month Rental of Generator & Cables
(12)	\$ 2,410.00	3rd Month Rental of Generator & Cables
(13)	\$ 2,135.00	Purchase and installation of heat trace on exterior piping from UV shed
(14)	\$ 15,428.73	Professional services from GHD rendered through 10/30/21
(15)	\$ 4,745.00	Electrical work on floats/alarm contacts, replace starter relays, HOA switches, alternator relays in EQ, start up UV
(16)	\$ 2,324.30	Replace a pump at Patricia Pump Station
(17)	\$ 3,086.16	Hach Lab Equip, DO, Turbidimeter, pH
(18)	\$ 13,867.91	Hach Lab Equipment, 2 Auto samplers
(19)	\$ 9,640.00	4 Additional Months Rental of Generator & Cables
(20)	\$ 7,230.00	3 Additional Months Rental of Generator & Cables
(21)	\$ 804,962.64	TOTAL