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Devin Ryan

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File #: 165918

August 29, 2016

**VIA HAND DELIVERY**

Rosemary Chiavetta, Secretary  
Pennsylvania Public Utility Commission  
Commonwealth Keystone Building  
400 North Street, 2nd Floor North  
P.O. Box 3265  
Harrisburg, PA 17105-3265

**Re: Application of The York Water Company (Wastewater), Under Sections 1102(a)(1) and 1102(a)(3) of the Public Utility Code, for approval of the right of The York Water Company - Wastewater to (1) acquire certain public wastewater facilities from the West York Borough, and (2) begin to offer or furnish wastewater service to the public in West York Borough, York County, Pennsylvania  
Docket No. A-2016-2552403**

Dear Secretary Chiavetta:

Enclosed for filing are The York Water Company's Responses to the Bureau of Technical Utility Services Data Request 1, Nos. 9, 13 - 21, 23 - 31, and 36, in the above-referenced proceeding. A CD is also enclosed for your convenience.

Respectfully submitted,

Devin Ryan

DTR/jl  
Enclosures

cc: Clinton McKinley (via E-mail)  
Christine M. Hoover (via E-mail)  
John R. Evans (via E-mail)  
Amanda Gordon (via E-mail)

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2016 AUG 29 PM 4:08  
PA PUC  
SECRETARY'S BUREAU

**The York Water Company  
Responses to Bureau of Technical Utility Services, Water/Wastewater Division  
Data Request 1  
Application of The York Water Company – West York Borough  
West York Borough, York County  
Docket No. A-2016-2552403  
August 29, 2016**

**DISCOVERY A-9**

Please provide a copy of the Borough's National Pollution Discharge Elimination System (NPDES) Permit No. NPDES PA 0026263.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

A copy of NPDES Permit No. NPDES PA 0026263 is attached. The permit holder is the York City Sewer Authority (YCSA). Although the permit expired on January 31, 2013, the permit remains in effect while PA DEP reviews the permit renewal. YCSA filed the permit renewal with PA DEP prior to August 1, 2012, six months before expiration as required by PA DEP.

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PA PUC  
SECRETARY'S BUREAU



Pennsylvania Department of Environmental Protection

909 Elmerton Avenue  
Harrisburg, PA 17110-8200

JAN - 9 2009

Southcentral Regional Office

717-705-4707  
FAX - 717-705-4760

CERTIFIED MAIL NO. 7007 3020 0002 8370 0113

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AUG 29 2016

Ms. Stacey R. MacNeal  
Katherman, Heim & Perry  
345 East Market Street  
York, PA 17403

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

Re: Sewage  
York City WWTP  
NPDES Permit No. PA 0026263  
APS ID No. 335924  
Manchester Township, York County

Dear Ms. MacNeal:

Your permit is enclosed. Read the permit and the special conditions carefully.

Any person aggrieved by this action may appeal, pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. Section 7514, and the Administrative Agency Law, 2 Pa. C.S. Chapter 5A, to the Environmental Hearing Board, Second Floor, Rachel Carson State Office Building, 400 Market Street, PO Box 8457, Harrisburg, PA 17105-8457, 717-787-3483. TDD users may contact the Board through the Pennsylvania Relay Service, 800-654-5984. Appeals must be filed with the Environmental Hearing Board within 30 days of receipt of written notice of this action unless the appropriate statute provides a different time period. Copies of the appeal form and the Board's rules of practice and procedure may be obtained from the Board. The appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717-787-3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST REACH THE BOARD WITHIN 30 DAYS. YOU DO NOT NEED A LAWYER TO FILE AN APPEAL WITH THE BOARD.**

Ms. Stacey R. MacNeal

- 2 -

IMPORTANT LEGAL RIGHTS ARE AT STAKE, HOWEVER, SO YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD (717-787-3483) FOR MORE INFORMATION.

~~\_\_\_\_\_ If you have any questions, please call Ms. Crystal Newcomer of the Permits Section at 717-705-4803.~~

Sincerely,



Lee A. McDonnell, P.E.  
Program Manager  
Water Management Program

Enclosures

cc: U.S. Environmental Protection Agency (w/NPDES)  
John Troutman, Buchart-Horn, Inc. (w/enclosure)  
✓ Steven Douglas, General Manager, York City Wastewater Treatment Plant

RECEIVED

AUG 29 2016

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER SUPPLY AND WASTEWATER MANAGEMENT

**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
DISCHARGE REQUIREMENTS FOR PUBLICLY OWNED  
TREATMENT WORKS (POTWs)**

**NPDES PERMIT NO. PA 0026263  
AMENDMENT NO. 1**

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* ("the Act") and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*

**YORK CITY SEWER AUTHORITY  
C/O STACEY R. MACNEAL  
KATHERMAN, HEIM & PERRY  
345 EAST MARKET STREET  
YORK, PA 17403**

is authorized to discharge from a facility known as **York City WWTP**, located in **Manchester Township, York County** to the **Codorus Creek** in **Watershed 7-H** in accordance with effluent limitations, monitoring requirements and other conditions set forth in PARTs A, B, and C hereof.

**THIS PERMIT SHALL BECOME EFFECTIVE ON FEBRUARY 1, 2008.**

**THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON JANUARY 31, 2013.**

The authority granted by this permit is subject to the following further qualifications:

1. If there is a conflict between the application, its supporting documents and/or amendments and the terms and conditions of this permit, the terms and conditions shall apply.
2. Failure to comply with the terms, conditions, or effluent limitations of this permit is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. 40 CFR 122.41(a)
3. A complete application for renewal of this permit, or notice of intent to cease discharging by the expiration date, must be submitted to DEP at least 180 days prior to the above expiration date (unless permission has been granted by DEP for submission at a later date), using the appropriate NPDES permit application form. 40 CFR 122.41(b), 122.21(d)

In the event that a timely and complete application for renewal has been submitted and DEP is unable, through no fault of the permittee, to reissue the permit before the above expiration date, the terms and conditions of this permit, including submission of the Discharge Monitoring Reports (DMRs), will be automatically continued and will remain fully effective and enforceable against the discharger until DEP takes final action on the pending permit application. 25 Pa. Code 92.9.

4. This NPDES permit does not constitute authorization to construct or make modifications to wastewater treatment facilities necessary to meet the terms and conditions of this permit.

DATE PERMIT ISSUED January 30, 2008

ISSUED BY 

DATE PERMIT AMENDMENT ISSUED JAN - 9 2009

TITLE:

Lee A. McDonnell, P.E.  
Water Management Program Manager

**PART A: EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS****I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

**A. For Outfall 001, Latitude 39°59'08", Longitude 76°43'25", River Mile Index 9.43, Stream Code 08032 Discharging to Codorus Creek**

which receives wastewater from the wastewater treatment plant.

1. The permittee is authorized to discharge during the period from February 1, 2008 through January 31, 2013.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Discharge Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(3)</sup> Measurement Frequency	Required Sample Type
	Monthly Average	Weekly Average	Minimum	Monthly Average	Weekly Average	Instantaneous Maximum <sup>(2)</sup>		
Flow (mgd)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
Total Residual Chlorine	XXX	XXX	XXX	Report	XXX	XXX	1/day	Grab
Total Suspended Solids	Report	Report	XXX	30	45	60	5/week	24-hr comp
CBOD <sub>5</sub> (5/1 to 10/31)	Report	Report	XXX	15	22	30	5/week	24-hr comp
CBOD <sub>5</sub> (11/1 to 4/30)	Report	Report	XXX	20	30	40	5/week	24-hr comp
NH <sub>3</sub> -N (5/1 to 10/31)	Report	XXX	XXX	1.7	XXX	3.4	5/week	24-hr comp
NH <sub>3</sub> -N (11/1 to 4/30)	Report	XXX	XXX	2.1	XXX	4.2	5/week	24-hr comp
Total Phosphorus	Report	XXX	XXX	2.0	XXX	4.0	5/week	24-hr comp
Fecal Coliform (5/1 to 9/30) <sup>(4)</sup>	XXX	XXX	XXX	200	XXX	XXX	5/week	Grab
Fecal Coliform (10/1 to 4/30) <sup>(4)</sup>	XXX	XXX	XXX	2,000	XXX	XXX	5/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at discharge from facility.<sup>(5)(6)</sup>

**PART A EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS (Cont'd)****3. Additional Requirements:**

- a. The discharger may not discharge floating materials, oil, grease, scum, foam, sheen and substances which produce color, taste, turbidity, or settle to form deposits in concentrations or amounts sufficient to be, or creating a danger of being, inimical to the water uses to be protected or to human, animal, plant, or aquatic life. 25 Pa. Code 92.51(6)
- b. Except as otherwise specified in this permit, the 30-day average percent removal for 5-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>) and Total Suspended Solids (TSS) shall not be less than 85 percent. 40 CFR 133.102
- c. Effective disinfection to control disease producing organisms from the period of May 1 to September 30 shall be the production of an effluent which will contain a concentration not greater than 200/100 ml of Fecal Coliform colonies as a geometric mean, nor greater than 1,000/100 ml of these colonies in more than 10 percent of the samples tested. 25 Pa Code 92.2c(b)(2)

**Footnotes:**

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured and recorded.
- (2) The Instantaneous Maximum Discharge Limitations are for compliance use by DEP only. Do not report instantaneous maximums on DMRs or supplemental DMRs unless specifically required on those forms to do so.
- (3) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events. Monitoring of Outfall 001 is only required during periods of discharge. Daily composite samples shall be collected over the period of discharge or 24 hours, whichever is shorter. Reporting of results for discharge periods of less than those shown on pages 2 and 3 (monthly and weekly) shall not be required on the DMR, but the daily results shall be shown on the Supplemental DMR. All mass loadings from Outfall 001 shall be added to and reported with the discharge loadings from Outfall 002, with a note added to the Supplemental DMR when that occurs.
- (4) Fecal Coliform levels are reported as a geometric mean of colonies/100 ml.
- (5) At discharge from facility means a location in the outfall line after the last treatment unit.
- (6) Sampling for CBOD<sub>5</sub> and BOD<sub>5</sub> is permitted prior to disinfection for those facilities that disinfect with chlorine.

**Supplemental Information:**

- o If the permit requires reporting of average weekly limitations, please follow the following guideline. If the "maximum average concentration" and the "maximum average mass loading" does not occur within the same week, both the highest weekly average concentration and the highest weekly average mass load should be reported, regardless of whether they both occur during the same calendar week.

**PART A EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (Con't)**

B. For Outfall 001, Latitude 39°59'08", Longitude 76°43'25", River Mile Index 9.43, Stream Code 08032 Discharging to Codorus Creek

which receives wastewater from the wastewater treatment plant.

1. The permittee is authorized to discharge during the period from February 1, 2008 through September 30, 2011.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and nutrient monitoring requirements apply (see also Additional Requirements).

Discharge Parameter	Effluent Limitations					Monitoring Requirements	
	Mass Load (lbs)		Concentrations (mg/l)			Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Monthly	Annual	Minimum	Monthly Average	Maximum		
Ammonia—N	Report	Report	XXX	Report	XXX	5/Week	24-hr Comp
Kjeldahl—N	Report	XXX	XXX	Report	XXX	1/Week	24-hr Comp
Nitrate-Nitrite as N	Report	XXX	XXX	Report	XXX	1/Week	24-hr Comp
Total Nitrogen <sup>(1)</sup>	Report	Report	XXX	Report	XXX	1/Month	Calculate
Total Phosphorus <sup>(1)</sup>	Report	Report	XXX	Report	XXX	5/Week	24-hr Comp
Net Total Nitrogen <sup>(1)</sup>	Report	Report	XXX	XXX	XXX	1/Month	Calculate
Net Total Phosphorus <sup>(1)</sup>	Report	Report	XXX	XXX	XXX	1/Month	Calculate

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at discharge from facility.<sup>(3)</sup>

Footnotes:

- (1) See PART C for Chesapeake Bay Requirements.
- (2) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events required.
- (3) At discharge from facility means a location in the outfall line after the last treatment unit.

**PART A: EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONT.)**

C. For Outfall 001, Latitude 39°59'08", Longitude 76°43'25", River Mile Index 9.43, Stream Code 08032 Discharging to Codorus Creek

which receives wastewater from the wastewater treatment plant.

1. The permittee is authorized to discharge during the period from October 1, 2011 through January 31, 2013.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following nutrient effluent limitations and nutrient monitoring requirements apply (see also Additional Requirements).

Discharge Parameter	Effluent Limitations					Monitoring Requirements	
	Mass Load(lbs)		Concentrations (mg/l)			Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Monthly	Annual	Minimum	Monthly Average	Maximum		
Ammonia--N	Report	Report	XXX	Report	XXX	5/Week	24-hr Comp
Kjeldahl--N	Report	XXX	XXX	Report	XXX	1/Week	24-hr Comp
Nitrate-Nitrite as N	Report	XXX	XXX	Report	XXX	1/Week	24-hr Comp
Total Nitrogen <sup>(1)</sup>	Report	Report	XXX	Report	XXX	1/Month	Calculate
Total Phosphorus <sup>(1)</sup>	Report	Report	XXX	Report	XXX	5/Week	24-hr Comp.
Net Total Nitrogen <sup>(1)</sup>	Report	Report	XXX	XXX	XXX	1/Month	Calculate
Net Total Phosphorus <sup>(1)</sup>	Report	Report	XXX	XXX	XXX	1/Month	Calculate

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at discharge from facility.<sup>(3)</sup>

Footnotes:

- (1) See PART C for Chesapeake Bay Requirements.
- (2) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events required.
- (3) At discharge from facility means a location in the outfall line after the last treatment unit.

D. For Outfall 002, Latitude 39°59'17", Longitude 76°43'27", River Mile Index 9.43, Stream Code 08032 Discharging to Codorus Creek

which receives wastewater from the wastewater treatment plant.

1. The permittee is authorized to discharge during the period from February 1, 2008 through January 31, 2013.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements, Footnotes and Supplemental Information).

Discharge Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) <sup>(1)</sup>		Concentrations (mg/L)				Minimum <sup>(3)</sup> Measurement Frequency	Required Sample Type
	Monthly Average	Weekly Average	Minimum	Monthly Average	Weekly Average	Instantaneous Maximum <sup>(2)</sup>		
Flow (mgd)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
Influent <sup>(4)</sup> (BOD <sub>5</sub> and TSS)	Report	Report Daily Max	XXX	Report	XXX	XXX	5/Week	24-hr Comp
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	1/day	Grab
Total Residual Chlorine <sup>(5)</sup>	XXX	XXX	XXX	Report	XXX	XXX	1/day	Grab
Total Suspended Solids	6,505	9,758	XXX	30	45	60	5/week	24-hr comp
CBOD <sub>5</sub> (5/1 to 10/31)	3,253	4,879	XXX	15	22	30	5/week	24-hr comp
CBOD <sub>5</sub> (11/1 to 4/30)	4,337	6,505	XXX	20	30	40	5/week	24-hr comp
NH <sub>3</sub> -N (5/1 to 10/31)	369	XXX	XXX	1.7	XXX	3.4	5/week	24-hr comp
NH <sub>3</sub> -N (11/1 to 4/30)	455	XXX	XXX	2.1	XXX	4.2	5/week	24-hr comp
Total Phosphorus	434	XXX	XXX	2.0	XXX	4.0	5/week	24-hr comp
Fecal Coliform (5/1 to 9/30)	XXX	XXX	XXX	200	XXX	XXX	5/week	Grab
Fecal Coliform (10/1 to 4/30)	XXX	XXX	XXX	2,000	XXX	XXX	5/week	Grab

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at discharge from facility.

**PART A: EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS (Cont.)****3. Additional Requirements:**

- a. The discharger may not discharge floating materials, oil, grease, scum, foam, sheen and substances which produce color, taste, turbidity, or settle to form deposits in concentrations or amounts sufficient to be, or creating a danger of being, inimical to the water uses to be protected or to human, animal, plant, or aquatic life. 25 Pa. Code 92.51(6)
- b. Except as otherwise specified in this permit, the 30-day average percent removal for 5-day carbonaceous biochemical oxygen demand (CBOD<sub>5</sub>) and Total Suspended Solids (TSS) shall not be less than 85 percent. 40 CFR 133.102
- c. Effective disinfection to control disease producing organisms from the period of May 1 to September 30 shall be the production of an effluent which will contain a concentration not greater than 200/100 ml of Fecal Coliform colonies as a geometric mean, nor greater than 1,000/100 ml of these colonies in more than 10 percent of the samples tested. 25 Pa Code 92.2c(b)(2)

**Footnotes:**

- (1) When sampling to determine compliance with mass effluent limitations, the discharge flow at the time of sampling must be measured and recorded.
- (2) The Instantaneous Maximum Discharge Limitations are for compliance use by DEP only. Do not report instantaneous maximums on DMRs or supplemental DMRs unless specifically required on those forms to do so.
- (3) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events.
- (4) See PART C III.1 for more information.
- (5) Sampling for Total Residual Chlorine is required only when chlorine is being used for disinfection.
- (6) At discharge from facility means a location in the outfall line after the last treatment unit.
- (7) Sampling for CBOD<sub>5</sub> and BOD<sub>5</sub> is permitted prior to disinfection for those facilities that disinfect with chlorine.

**Supplemental Information:**

- ° If the permit requires reporting of average weekly limitations, please follow the following guideline. If the "maximum average concentration" and the "maximum average mass loading" does not occur within the same week, both the highest weekly average concentration and the highest weekly average mass load should be reported, regardless of whether they both occur during the same calendar week.

**PART A EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (Cont)**

E. For Outfall 002, Latitude 39°59'17", Longitude 76°43'27", River Mile Index 9.43, Stream Code 08032 Discharging to Codorus Creek

which receives wastewater from the wastewater treatment plant.

1. The permittee is authorized to discharge during the period from February 1, 2008 through September 30, 2011.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and nutrient monitoring requirements apply (see also Additional Requirements).

Discharge Parameter	Effluent Limitations					Monitoring Requirements	
	Mass Load (lbs)		Concentrations (mg/l)			Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Monthly	Annual	Minimum	Monthly Average	Maximum		
Ammonia—N	Report	Report	XXX	Report	XXX	5/Week	24-hr Comp
Kjeldahl—N	Report	XXX	XXX	Report	XXX	1/Week	24-hr Comp
Nitrate-Nitrite as N	Report	XXX	XXX	Report	XXX	1/Week	24-hr Comp
Total Nitrogen <sup>(1)</sup>	Report	Report	XXX	Report	XXX	1/Month	Calculate
Total Phosphorus <sup>(1)</sup>	Report	Report	XXX	Report	XXX	5/Week	24-hr Comp
Net Total Nitrogen <sup>(1)</sup>	Report	Report	XXX	XXX	XXX	1/Month	Calculate
Net Total Phosphorus <sup>(1)</sup>	Report	Report	XXX	XXX	XXX	1/Month	Calculate

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at discharge from facility.

Footnotes:

- (1) See PART C for Chesapeake Bay Requirements.
- (2) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events required.
- (3) At discharge from facility means a location in the outfall line after the last treatment unit.
- (4) Sampling for CBOD<sub>5</sub> and BOD<sub>5</sub> is permitted prior to disinfection for those facilities that disinfect with chlorine.

**PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS (Cont.)**

F. For Outfall 002, Latitude 39°59'17", Longitude 76°43'27", River Mile Index 9.43, Stream Code 08032 Discharging to Codorus Creek

which receives wastewater from the wastewater treatment plant.

1. The permittee is authorized to discharge during the period from October 1, 2011 through January 31, 2013.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following nutrient effluent limitations and nutrient monitoring requirements apply (see also Additional Requirements).

Discharge Parameter	Effluent Limitations					Monitoring Requirements	
	Mass Load(lbs)		Concentrations (mg/l)			Minimum <sup>(2)</sup> Measurement Frequency	Required Sample Type
	Monthly	Annual	Minimum	Monthly Average	Maximum		
Ammonia—N	Report	Report	XXX	Report	XXX	5/Week	24-hr Comp
Kjeldahl—N	Report	XXX	XXX	Report	XXX	1/Week	24-hr Comp
Nitrate-Nitrite as N	Report	XXX	XXX	Report	XXX	1/Week	24-hr Comp
Total Nitrogen <sup>(1)</sup>	Report	Report	XXX	Report	XXX	1/Month	Calculate
Total Phosphorus <sup>(1)</sup>	Report	Report	XXX	Report	XXX	5/Week	24-hr Comp
Net Total Nitrogen <sup>(1)</sup>	Report	474,880	XXX	XXX	XXX	1/Month	Calculate
Net Total Phosphorus <sup>(1)</sup>	Report	63,317	XXX	XXX	XXX	1/Month	Calculate

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at discharge from facility.

Footnotes:

- (1) See PART C for Chesapeake Bay Requirements.
- (2) This is the minimum number of sampling events required. Permittees are encouraged, and it may be advantageous in demonstrating compliance, to perform more than the minimum number of sampling events required.
- (3) At discharge from facility means a location in the outfall line after the last treatment unit.
- (4) Sampling for CBOD<sub>5</sub> and BOD<sub>5</sub> is permitted prior to disinfection for those facilities that disinfect with chlorine.

## II. DEFINITIONS

*At Outfall (XXX)* means a sampling location in outfall line XXX below the last point at which wastes are added to outfall line (XXX), or where otherwise specified.

*Average* refers to the use of an arithmetic mean, unless otherwise specified in this permit. 40 CFR 122.41(l)(4)(iii)

*Best Management Practices (BMPs)* means schedules of activities, prohibitions of practices, maintenance procedures and other management practices to prevent or reduce the pollution to surface waters of the Commonwealth. BMPs also include treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. 25 Pa. Code 92.1

*Bypass* means the intentional diversion of waste streams from any portion of a treatment facility. 40 CFR 122.41(m)(1)(i)

*Calendar Week* is defined as the seven consecutive days from Sunday through Saturday, unless the permittee has been given permission by the Department to provide weekly data as Monday through Friday based on showing excellent performance of the facility and a history of compliance. In cases when the week falls in two separate months, the month with the most days in that week shall be the month for reporting.

*Clean Water Act* means the Federal Water Pollution Control Act, as amended. (33 U.S.C.A. §§1251 to 1387).

*Composite Sample* (for all except GC/MS volatile organic analysis) means a combination of individual samples (at least eight for a 24-hour period or four for an 8-hour period) of at least 100 milliliters (mL) each obtained at spaced time intervals during the compositing period. The composite must be flow-proportional; either the volume of each individual sample is proportional to discharge flow rates, or the sampling interval is proportional to the flow rates over the time period used to produce the composite. EPA Form 2C

*Composite Sample* (for GC/MS volatile organic analysis) consists of at least four aliquots or grab samples collected during the sampling event (not necessarily flow proportioned). The samples must be combined in the laboratory immediately before analysis and then one analysis is performed. EPA Form 2C

*Daily Average Temperature* means the average of all temperature measurements made, or the mean value plot of the record of a continuous automated temperature recording instrument, either during a calendar day or during the operating day if flows are of a shorter duration.

*Daily Discharge* means the discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the "daily discharge" is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the "daily discharge" is calculated as the average measurement of the pollutant over the day. 25 Pa. Code 92.1 and 40 CFR 122.2

*Daily Maximum Discharge Limitation* means the highest allowable "daily discharge."

*Discharge Monitoring Report (DMR)* means the DEP or EPA supplied form(s) for the reporting of self-monitoring results by the permittee. 40 CFR 122.2

*Estimated Flow* means any method of liquid volume measurement based on a technical evaluation of the sources contributing to the discharge including, but not limited to, pump capabilities, water meters and batch discharge volumes.

*Geometric Mean* means the average of a set of n sample results given by the nth root of their product.

*Grab Sample* means an individual sample of at least 100 mL collected at a randomly selected time over a period not to exceed 15 minutes. EPA Form 2C

*Hazardous Substance* means any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act. 40 CFR 122.2

*Immersion Stabilization (I-s)* means a calibrated device is immersed in the wastewater until the reading is stabilized.

*Indirect Discharger* means a person who discharges sewage, industrial waste or other pollutants into a treatment works. 25 Pa. Code 92.1

*Industrial User* means those industries identified in the Standard Industrial Classification Manual, Office of Management and Budget, 1987, as amended and supplemented, under the category "Division D-Manufacturing" and other classes of significant waste producers, as by regulation, the Administrator deems appropriate. 25 Pa. Code 92.1

*Instantaneous Maximum* means the highest allowable discharge of a concentration of a substance at any one time as measured by a grab sample. 25 Pa. Code 92.1

*Measured Flow* means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which relationship to absolute volume has been obtained.

~~*Monthly Average Discharge Limitation*~~ means the highest allowable average of "daily discharges" over a calendar month, calculated as the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month.

*Municipality* means a city, town, borough, county, parish, district, association or other public body created by or pursuant to State law and having jurisdiction over disposal of sewage, industrial wastes, or other wastes, or an Indian tribe or an authorized Indian tribal organization, or a designated and approved management agency under § 1288 of the Clean Water Act. 40 CFR 122.2

*Publicly Owned Treatment Works (POTW)* means a treatment works as defined by § 212. of the Clean Water Act, owned by a municipality. The definition includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. It also includes sewers, pipes or other conveyances if they convey wastewater to a POTW providing treatment. 25 Pa Code 92.1 and 40 CFR 122.2

*Severe Property Damage* means substantial physical damage to property, damage to the treatment facilities that causes them to become inoperable, or substantial and permanent loss of natural resources that can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production. 40 CFR 122.41(m)(1)(ii)

*Stormwater* means the runoff from precipitation, snow melt runoff, and surface runoff and drainage. 25 Pa. Code 92.1

*Stormwater Associated With Industrial Activity* means the discharge from any conveyance which is used for collecting and conveying stormwater and which is directly related to manufacturing, processing or raw materials storage areas as defined at: 40 CFR 122.26(b)(14) and 25 Pa. Code 92.1.

~~*Toxic Pollutant*~~ means those pollutants, or combinations of pollutants, including disease-causing agents, which after discharge and upon exposure, ingestion, inhalation or assimilation into any organism, either directly from the environment or indirectly by ingestion through food chains may, on the basis of information available to DEP cause death, disease, behavioral abnormalities, cancer, genetic mutations, physiological malfunctions, including malfunctions in reproduction, or physical deformations in these organisms or their offspring. 25 Pa. Code 92.1

*Weekly Average Discharge Limitation* means the highest allowable average of "daily discharges" over a calendar week, calculated as the sum of all "daily discharges" measured during a calendar week divided by the number of "daily discharges" measured during that week.

### III. SELF-MONITORING, REPORTING AND RECORDKEEPING

#### A. Representative Sampling 40 CFR 122.41(j)(1)

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

2. Records Retention 40 CFR 122.41(i)(2)

Except for records of monitoring information required by this permit related to the permittee's sludge use and disposal activities which shall be retained for a period of at least five years, all records of monitoring activities and results (including all original strip chart recordings for continuous monitoring instrumentation and calibration and maintenance records), copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained by the permittee for three years from the date of the sample measurement, report or application. The three-year period shall be extended as requested by DEP or the EPA Regional Administrator.

3. Recording of Results 40 CFR 122.41(j) (3)

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date and time of sampling or measurements.
- b. The person(s) who performed the sampling or measurements.
- c. The date(s) the analyses were performed.
- d. The person(s) who performed the analyses.
- e. The analytical techniques or methods used; and the associated detection level.
- f. The results of such analyses.

4. Test Procedures 40 CFR 122.41(i)(4)

Facilities that test or analyze environmental samples used to demonstrate compliance with this permit shall be in compliance with laboratory accreditation requirements of Act 90 of 2002 (27 Pa. C.S. §§ 4101-4113), relating to environmental laboratory accreditation. Unless otherwise specified in this permit, the test procedures for the analysis of pollutants shall be those approved under 40 CFR Part 136 (or in the case of sludge use or disposal, approved under 40 CFR Part 136, unless otherwise specified in 40 CFR Part 503 or Subpart J of 25 Pa. Code Chapter 271), or alternate test procedures approved pursuant to those parts, unless other test procedures have been specified in this permit.

5. Quality/Assurance/Control

In an effort to assure accurate self-monitoring analyses results:

- a. The permittee, or its designated laboratory, shall participate in the periodic scheduled quality assurance inspections conducted by DEP and EPA. 40 CFR 122.41(e), 122.41(i)(3)
- b. The permittee, or its designated laboratory, shall develop and implement a program to assure the quality and accurateness of the analyses performed to satisfy the requirements of this permit, in accordance with 40 CFR Part 136. 40 CFR 122.4(j)(4)

B. Reporting of Monitoring Results

1. The permittee shall effectively monitor the operation and efficiency of all wastewater treatment and control facilities, and the quantity and quality of the discharge(s) as specified in this permit. 40 CFR 122.41(e) and 40 CFR 122.44(i)(1)
2. Unless instructed otherwise in PART C of this permit, a properly completed DMR must be received by the following address within 28 days after the end of each monthly report period:

Department of Environmental Protection  
Water Management Program  
909 Elmerton Avenue  
Harrisburg, PA 17110-8200

3. The completed DMR Form shall be signed and certified either by the following applicable person, as defined in 25 Pa. Code § 92.23:

- For a corporation - by a principal executive officer of at least the level of vice president, or an authorized representative, if the representative is responsible for the overall operation of the facility from which the discharge described in the NPDES form originates.
- For a partnership or sole proprietorship - by a general partner or the proprietor, respectively.
- For a municipality, state, federal, or other public agency - by a principal executive officer or ranking elected official.

If signed by a person other than the above, written notification of delegation of DMR signatory authority must be submitted to DEP in advance of or along with the relevant DMR form.

4. If the permittee monitors any pollutant at monitoring points as designated by this permit, using analytical methods described in PART A III.A.4. herein, more frequently than the permit requires, the results of this monitoring shall be incorporated, as appropriate, into the calculations used to report self-monitoring data on the DMR.

#### C. Reporting Requirements

1. Planned Changes 40 CFR 122.41(l)(1) - The permittee shall give notice to DEP as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required when:

- a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR §122.29(b).
- b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in this permit.
- c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

#### 2. Anticipated Noncompliance

The permittee shall give advance notice to DEP of any planned changes in the permitted facility or activity that may result in noncompliance with permit requirements. 40 CFR 122.41(l)(2)

#### 3. Unanticipated Noncompliance or Potential Pollution Reporting

- a. Immediate Reporting - The permittee shall report incidents causing or threatening pollution in accordance with the requirements of 25 Pa. Code Section 91.33. If because of an accident, other activity, or incident a toxic substance or another substance which would endanger users downstream from the discharge, or would otherwise result in pollution or create a danger of pollution or would damage property, the permittee shall immediately notify the Department by telephone of the location and nature of the danger and if reasonably possible to do so, notify downstream users of the waters of the Commonwealth to which the substance was discharged. Such notice shall include the location and nature of the danger. The permittee shall immediately take or cause to be taken steps necessary to prevent injury to property and downstream users of the waters from pollution or a danger of pollution and, in addition, within 15 days from the incident, shall remove the residual substances contained thereon or therein from the ground and from the affected waters of this Commonwealth to the extent required by applicable law.

b. The permittee shall report any noncompliance which may endanger health or the environment in accordance with the requirements of 40 CFR 122.41(l)(6). These requirements include the following obligations:

(1) 24-Hour Reporting - The permittee shall orally report any noncompliance with this permit which may endanger health or the environment within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported within 24 hours under this paragraph:

(a) Any unanticipated bypass which exceeds any effluent limitation in the permit;

(b) Any upset which exceeds any effluent limitation in the permit; and

~~(c) Violation of the maximum daily discharge limitation for any of the pollutants listed in the permit as being subject to the 24-hour reporting requirement. Note: see 40 CFR 122.44(g).~~

(ii) Written Report - A written submission shall also be provided within five days of the time the permittee becomes aware of any noncompliance which may endanger health or the environment. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.

(iii) Waiver of Written Report - DEP may waive the written report on a case-by-case basis if the associated oral report has been received within 24 hours from the time the permittee becomes aware of the circumstances which may endanger health or the environment. Unless such a waiver is expressly granted by the Department, the permittee shall submit a written report in accordance with this paragraph. 40 CFR 122.41(l)(6)(iii)

#### 4. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraph C.3 of this section or specific requirements of compliance schedules, at the time DMRs are submitted. The reports shall contain the information listed in paragraph C.3.b.(ii) of this section. 40 CFR 122.41(l)(7)

**PART B**

**I. MANAGEMENT REQUIREMENTS**

**A. Compliance Schedules 25 Pa. Code 92.55 and 40 CFR 122.47(a).**

1. The permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in this permit.
2. The permittee shall submit reports of compliance or noncompliance, or progress reports as applicable, for any interim and final requirements contained in this permit. Such reports shall be submitted no later than 14 days following the applicable schedule date or compliance deadline. 40 CFR 122.47(a)(4)

**B. Permit Modification, Termination, or Revocation and Reissuance**

1. This permit may be modified, terminated, or revoked and reissued during its term in accordance with Title 25 Pa. Code 92.51(2) and 40 CFR 122.41(f).
2. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition. 40 CFR 122.41(f)
3. In the absence of DEP action to modify or revoke and reissue this permit, the permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time specified in the regulations that establish those standards or prohibitions. 40 CFR 122.41(a)(1)

**C. Duty to Provide Information**

1. The permittee shall furnish to DEP, within a reasonable time, any information which DEP may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. 40 CFR 122.41(h)
2. The permittee shall furnish to DEP, upon request, copies of records required to be kept by this permit. 25 Pa. Code 92.51(3)(ii) and 40 CFR 122.41(h)
3. Other Information - Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to DEP, it shall promptly submit the correct and complete facts or information. 40 CFR 122.41(l)(8)
4. The permittee shall provide the following information in the annual Municipal Wasteload Management Report, required under the provisions of Title 25 Pa. Code Chapter 94 unless a more stringent time period is required by law, regulation or permit condition in which case the more stringent time period will apply:
  - a. A new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 and 306 of the Clean Water Act if it were directly discharging pollutants. 40 CFR 122.42(b)(1)
  - b. A substantial change in the volume or character of pollutants being introduced into the POTW by an indirect discharger introducing pollutants into the POTW at the time of issuance of this permit. 40 CFR 122.42(b)(2)
  - c. Information on the quality and quantity of the effluent introduced into the POTW by an industrial user or an indirect discharger and the anticipated impact of the change in the quality and quantity of effluent to be discharged from the POTW. 40 CFR 122.42(b)(3)
  - d. The identity of the industrial users served by the POTW which are subject to pretreatment standards adopted under Section 307(b) of the Clean Water Act; the POTW shall also specify the total volume of discharge and estimate concentration of each pollutant discharged into the POTW by the industrial user. 25 Pa. Code 92.53(c)

- e. The POTW shall require all industrial users of the treatment works to comply with the reporting requirements of Sections 204(b), 307, and 308 of the Clean Water Act and regulations thereunder. 25 Pa. Code 92.53(c)

D. Proper Operation and Maintenance

1. The permittee shall employ operator's certified in compliance with the Water and Wastewater Systems Operators Certification Act (63 P.S. §§ 1001-1015.1).
2. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the terms and conditions of this permit. Proper operation and maintenance includes, but is not limited to, adequate laboratory controls including appropriate quality assurance procedures. This provision also includes the operation of backup or auxiliary facilities or similar systems that are installed by the permittee, only when necessary to achieve compliance with the terms and conditions of this permit. 40 CFR 122.41(e)

E. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge, sludge use, or disposal in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment. 40 CFR 122.41(d)

F. Bypassing

1. Bypassing Not Exceeding Permit Limitations - The permittee may allow a bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions in paragraphs 2, 3, and 4 of this section. 40 CFR 122.41(m)(2)
2. Other Bypassing - In all other situations, bypassing is prohibited and DEP may take enforcement action against the permittee for bypass unless:
  - a. A bypass is unavoidable to prevent loss of life, personal injury, or "severe property damage." 40 CFR 122.41(m)(4)(i)(A)
  - b. There are no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance. 40 CFR 122.41(m)(4)(i)(B)
  - c. The permittee submitted the necessary notice required in F.4.a and b below. 40 CFR 122.41(m)(4)(i)(C)
3. DEP may approve an anticipated bypass, after considering its adverse effects, if DEP determines that it will meet the conditions listed in F.2 above. 40 CFR 122.41(m)(4)(ii)
4. Notice
  - a. Anticipated Bypass - If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible, at least ten days before the bypass.
  - b. Unanticipated Bypass
    - (1) The permittee shall submit immediate notice of an unanticipated bypass causing or threatening pollution. The notice shall be in accordance with PART A III.C.3.a.
    - (2) The permittee shall submit oral notice of any other unanticipated bypass within 24 hours, regardless of whether the bypass may endanger health or the environment or whether the bypass exceeds effluent limitations. The notice shall be in accordance with PART A III.C.3.b.

## II. PENALTIES AND LIABILITY

### A. Violations of Permit Conditions

Any person violating Sections 301, 302, 306, 307, 308, 318 or 405 of the Clean Water Act or any permit condition or limitation implementing such sections in a permit issued under Section 402 of the Act is subject to civil, administrative and/or criminal penalties as set forth in 40 CFR § 122.41(a)(2).

Any person or municipality, who violates any provision of this permit; any rule, regulation or order of DEP; or any condition or limitation of any permit issued pursuant to The Clean Streams Law, is subject to criminal and/or civil penalties as set forth in Sections 602, 603 and 605 of The Clean Streams Law.

### B. Falsifying Information

Any person who does any of the following:

- Falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this permit, or
- Knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit (including monitoring reports or reports of compliance or noncompliance).

Shall upon conviction, be punished by a fine and/or imprisonment as set forth in 18 Pa. C. S. A. § 4904 and 40 CFR § 122.41(j)(5) and (k)(2).

### C. Liability

Nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance pursuant to Section 309 of the Clean Water Act or Sections 602, 603 or 605 of The Clean Streams Law.

Nothing in this permit shall be construed to preclude the institution of any legal action or to relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under the Clean Water Act and The Clean Streams Law.

### D. Need to Halt or Reduce Activity Not a Defense

It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. 40 CFR 122.41(c)

## III. OTHER RESPONSIBILITIES

### A. Right of Entry

Pursuant to Sections 5(b) and 305 of Pennsylvania's Clean Streams Law, and Title 25 Pa. Code Chapter 92 and 40 CFR § 122.41(i), the permittee shall allow authorized representatives of DEP and EPA, upon the presentation of credentials and other documents as may be required by law:

1. To enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit. 25 Pa. Code 92.51(3)(i) and 40 CFR 122.41(i)(1)
2. To have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit. 25 Pa. Code 92.51(3)(ii) and 40 CFR 122.41(i)(2)
3. To inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices or operations regulated or required under this permit. 40 CFR 122.41(i)(3)

4. To sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act or The Clean Streams Law, any substances or parameters at any location. 40 CFR 122.41(i)(4)

B. Transfer of Permits

1. Transfers by modification. Except as provided in paragraph 2 of this section, a permit may be transferred by the permittee to a new owner or operator only if this permit has been modified or revoked and reissued, or a minor modification made to identify the new permittee and incorporate such other requirements as may be necessary under the Clean Water Act. 40 CFR 122.61(a)
2. Automatic transfers. As an alternative to transfers under paragraph 1 of this section, any NPDES permit may be automatically transferred to a new permittee if:

- a. The current permittee notifies DEP at least 30 days in advance of the proposed transfer date in paragraph 2.b of this section. 25 Pa. Code 92.71a(1) and 40 CFR 122.61(b)(1)
- b. The notice includes the appropriate DEP transfer form signed by the existing and new permittees containing a specific date for transfer of permit responsibility, coverage and liability between them. 25 Pa. Code 92.71a(2) and 40 CFR 122.61(b)(2)
- c. If DEP does not notify the existing permittee and the proposed new permittee of its intent to modify or revoke and reissue this permit, the transfer is effective on the date specified in the agreement mentioned in paragraph 2.b of this section. 25 Pa. Code 92.71a(3) and 40 CFR 122.61(b)(3)
- d. The new permittee is in compliance with existing Department issued permits, regulations, orders, and schedules of compliance, or that any noncompliance with the existing permits has been resolved by an appropriate compliance action or by the terms and conditions of the permit (including compliance schedule set forth in the permit), consistent with § 92.55 (relating to schedules of compliance) and other appropriate Department regulations. 25 Pa. Code 92.71a(4)

3. In the event DEP does not approve transfer of this permit, the new owner or controller must submit a new permit application.

C. Property Rights

The issuance of this permit does not convey any property rights of any sort, or any exclusive privilege. 40 CFR 122.41(g)

D. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for a new permit. 40 CFR 122.21(d)

E. Other Laws

The issuance of this permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of state or local law or regulations.

**PART C**

**I. SCHEDULE**

**A. Timing For Effective Dates Of Effluent Limitations.** The following schedule applies to effluent limitations in this permit:

<u>Provision Containing Effluent Limitation</u>	<u>Effective Date</u>
PART A I.A.2	February 1, 2008 thru January 31, 2013
PART A I.B.2 and E.2	February 1, 2008 thru September 30, 2011
PART A I.C.2 and F.2	October 1, 2011 thru January 31, 2013

The permittee shall achieve compliance with all other terms and conditions of this permit upon the effective date of the permit, unless otherwise specified.

**B. Compliance Schedule.** The permittee shall be in compliance with effluent limitations for Nitrogen and Phosphorus contained in PART A I.F.2, or terminate this discharge, in accordance with the following schedule:

<u>Activity</u>	<u>Due Date</u>
1. Submit Update to Act 537 Sewage Facilities Plan	Not Applicable
2. Submit WQM Part II Permit Application	August 31, 2009
3. Award Contract for Construction or Begin Implementation	May 2010
4. Construction or Implementation Progress Report(s)	Quarterly
5. Issue Certification of Substantial Completion (Plant Fully Operational)	September 30, 2011
6. Compliance with effluent limitations	September 30, 2012

**C.** No later than 14 calendar days following the date identified in the above schedule of compliance, the permittee shall submit to the Department a written notice of compliance or noncompliance with the specific schedule requirement(s) to:

NPDES Compliance Specialist  
 Department of Environmental Protection  
 Water Management Program  
 909 Elmerton Avenue  
 Harrisburg, PA 17110-8200

**D.** Each notice of noncompliance, at a minimum, shall include the following information:

1. A description of the noncompliance.
2. A description of any actions taken or proposed by the permittee to comply with the elapsed schedule requirement.
3. A description of any factors which tend to explain or mitigate the noncompliance.
4. An estimate of the date that compliance with the elapsed schedule requirement will be achieved and an assessment of the probability that the next scheduled requirement will be met on time.
5. A revised schedule of compliance for Department approval.

**E.** The permittee should contact the compliance specialist indicated in the event of anticipated noncompliance with any of a compliance schedule activities listed, seven days prior to the due date of the activity.

## II. CHESAPEAKE BAY NUTRIENT REQUIREMENTS

### A. General

1. The Net Total Nitrogen and Net Total Phosphorus mass load effluent limitations in PART A I.B and A I.C are required in order to meet the downstream water quality standards of the State of Maryland, as required by 25 Pa. Code Chapter 92, the federal Clean Water Act and implementing regulations. These effluent limitations do not reflect credits applied or sold or offsets applied, during this permit cycle.
2. The Total Nitrogen and Total Phosphorus Mass Load (actual mass load being discharged) shall be reported in the monthly Supplemental Discharge Monitoring Reports ("Supplemental DMR"). The total mass load will not equal the net total mass load if credits are applied or sold, or if offsets are applied. The mass loads for compliance purposes are "Net Total Nitrogen" and "Net Total Phosphorus" reported as pounds per year on the Discharge Monitoring Report. Instruction for tracking credits and offset came be found in PART C II.C.10 – Tracking Offsets and Credits. The number of credits purchased can be determined by viewing the Department's Nutrient Trading Website at <http://www.dep.state.pa.us> Keyword "Nutrient Trading". The number of credits applied or sold, or offsets applied may change during the compliance year and subsequent truing period.
3. The Definitions in paragraph B apply to terms used in PART A and in the Supplemental DMR forms.
4. The Annual Nutrient Summary DMR shall be submitted no later than November 28<sup>th</sup> following the end of a compliance year for determination of compliance with the Net Total Nitrogen and Net Total Phosphorus Effluent Limits.

### B. Definitions

1. Monthly Total Mass Load (lbs) = The sum of the actual daily discharge loads (lb/d) divided by the number of samples per month multiplied by the number of days in the month. Daily discharge load (lb/d) = Daily flow (MGD) on the day of sampling, multiplied by that day's sample concentration (mg/l) multiplied by 8.34.
2. Annual Total Mass Load (lbs) = The sum of the Monthly Total Mass Loads for one year beginning October 1st and ending September 30th.
3. Total Nitrogen = Kjeldahl-N plus Nitrate-Nitrite as N.
4. Compliance Year = The year long period starting October 1 and ending September 30. The compliance year will be named for the year in which it ends. Example: The period of October 1, 2010 through September 30, 2011 is compliance year 2011.
5. Truing period = The time allowed at the end of each compliance year for any entity to come into compliance through the application of credits towards the Annual Net Mass Loads. This truing period will start on October 1st and end on November 28 of the same calendar year. During this period, compliance for the specified year may be achieved by using registered credits that were generated during that compliance year. Example: Credits that are used to achieve compliance in compliance year 2011 must have been generated during compliance year 2011.
6. Monthly Net Mass Load = Monthly Total Mass Load + Total Credits sold during the month – Total Credits applied during the month – (Offsets applied/12)
7. Annual Net Mass Load (lb/year) = The sum of the Monthly Net Mass Loads for one year beginning October 1st and ending September 30th.
8. Certification: Written approval by the Department for the use of proposed or implemented activities to generate credits and/or offsets. Certifications are based on at least: 1) a credit or offset proposal to be submitted describing the qualifying activities that will reduce the nutrient loadings delivered to the Chesapeake Bay, 2) the calculation to quantify the pounds of reductions expected, and 3) a verification plan that, when implemented, ensures that the qualifying nutrient reduction activities have taken place.

9. **Verification:** Implementation of the verification plan contained in a certified credit or offset proposal as required by the Department. Verification plans require annual submittal of documentation to the Department that demonstrates that the qualifying nutrient reduction activities have taken place for the applicable compliance year.
10. **Registration:** Approval by the Department of the use of credits or offsets in a permit. Registration will not occur until credits have been certified and verified, and for credits a trading contract has been submitted to the Department. The Department will register credits on an annual basis for use during the compliance year in which the qualifying nutrient reduction activities have taken place, and provide such credits with an annual registry number for reporting and tracking purposes.

C. Nutrient Credits and Offsets

1. **Credit =** The unit of compliance that corresponds with a pound of reduction of TP, TN or sediment as recognized by the Department which, when registered by the Department, may be used to comply with effluent limits.
2. **Offset = Verb -** The act of reducing the aggregate production of nutrients from an action or activity by use of a complimentary action, activity or technology on that site or directly related to the activity. **Noun -** The load in pounds of nitrogen or phosphorus created by an action, activity, or technology that is available to apply against the proposed load to be generated. Offsets are not the same as credits as they cannot be directly bought, sold or transferred between owners, projects, or properties.
3. The permittee is authorized to apply nitrogen and phosphorus credits to this permit in order to comply with the Net Total Nitrogen and Net Total Phosphorus annual mass load effluent limits, when the credits are recognized by the Department through a trading program administered by the Department pursuant to "Final Trading of Nutrient and Sediment Reduction Credits - Policy and Guidelines," including all Attachments and Appendices.
4. Credits may be applied to the compliance obligations of this permit up until November 28 of the calendar year at the end of the current compliance period (e.g., if the period is the 12 months following September 30, 2010, credits may be applied up until November 28, 2011).
5. Whenever credits are applied or sold report the following, using the Supplemental DMR form:
  - Provide the registry number and trade effective dates.
  - Provide the type (nitrogen, phosphorus) and the number of credits purchased or sold of each.
6. Any time a contract expires during the term of this permit, the Department must be notified 30 days prior to the contract expirations and either a new contract provided or a discussion on how compliance with this permit will be achieved.
7. All credit transactions must be on the DEP's Trading website which can be viewed at: [www.dep.state.pa.us](http://www.dep.state.pa.us) Keyword "Nutrient Trading".
8. Offsets approved by DEP are to be reported and used in calculating the net monthly mass load.
9. All credits must be certified by the Department and verified for the year in which they are used for compliance with this permit.
10. **Tracking Offsets and Credits:**
  - a. **Credits -** The use of credits shall be tracked on supplemental DMR forms provided with this permit. As identified on the forms entitled *DMR Supplemental-Nitrogen* and *DMR Supplemental-Phosphorus* the forms shall be submitted when a registered credit is used to satisfy effluent limits. Additionally, the *Annual Nutrient Summary DMR* shall be submitted no later than November 28<sup>th</sup> following the end of the compliance year. Credits are only for the compliance year in which they are used and must be reported each year.

- b. Offsets – The use of offsets shall be tracked on supplemental DMR forms provided with this permit. As identified on the forms entitled *DMR Supplemental-Nitrogen* and *DMR Supplemental-Phosphorus*, the forms shall be submitted when offsets are claimed. Additionally, the *Annual Nutrient Summary DMR* shall be submitted no later than November 28<sup>th</sup> following the end of the compliance year. Some offsets will be deemed as permanent and can be claimed each year. Offsets must be reported each year during the permit cycle. Offsets deemed to be permanent can be used to adjust cap loads in future permits.

If an offset is approved during the compliance year, the offset generated shall be divided by twelve and applied to each monthly net mass load after the offset is approved. For example, 40-homes formerly utilizing on-lot systems are placed on public sanitary sewer service. The Nitrogen offset of 25 lbs/year per home would be applicable. The offsets are approved in May of the compliance year, so the offset would be applied as follows:

$$(40\text{-homes} \times 25 \text{ lbs / home}) / 12 \text{ months} = 83 \text{ lbs/month}$$

For each month following approval of the offset, 83 lbs of Nitrogen will be applied as an offset each month to the Monthly Net Mass Load.

- D. Offsets granted by connection of retired on-lot systems.

The permittee is responsible to maintain records that show that the on-lot systems existed or were put in place prior to January 1, 2003, and eliminated by connecting the dwellings to the sewage conveyance system after January 1, 2003. These records must verify that the on-lot system existed or was put in place prior to January 1, 2003, when the on-lot system was taken out of service, and when the dwelling was connected to the sewage conveyance system. These records must be maintained by the permittee as long as the offsets are counted toward the permittee's cap load. The permittee must make these records available for public inspection.

### III. OTHER REQUIREMENTS

- A. No stormwater from pavements, areaways, roofs, foundation drains or other sources shall be admitted directly to the sanitary sewers associated with the herein approved discharge.
- B. The approval herein given is specifically made contingent upon the permittee acquiring all necessary property rights by easement or otherwise, providing for the satisfactory construction, operation, maintenance and replacement of all sewers or sewerage structures associated with the herein approved discharge in, along, or across private property, with full rights of ingress, egress and regress.
- C. Collected screenings, slurries, sludges, and other solids shall be handled and disposed of in compliance with the Solid Waste Management Act (35 P.S. Sections 6018.101 - 6018.1003), and in a manner equivalent to the requirements indicated in Chapters 271, 273, 275, 283, and 285 (relating to permits and requirements for landfilling, land application, incineration, and storage of sewage sludge), Federal Regulation 40 CFR Parts 501 and 503, The Clean Streams Law, and the Federal Clean Water Act and its amendments.
- D. This permit is of interest to the U.S. Environmental Protection Agency (EPA) because it meets one or more of the following criteria:
1. POTW with a design hydraulic flow of one mgd or more.
  2. POTW with a pretreatment requirement.
  3. Industrial Waste discharger not waived for review by the EPA/DEP Memorandum of Agreement.

A copy of the DMR shall be submitted to the EPA at the following address:

NPDES Discharge Monitoring Reports (3WP42)  
Water Protection Division  
U.S. Environmental Protection Agency, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

- E. The permittee shall ensure that applied chlorine, used for disinfection or other purposes, is optimized to the degree necessary to minimize the total residual chlorine in the discharge. In doing so, the permittee shall consider relevant factors affecting chlorine dosage, such as wastewater characteristics, mixing and contact times, and desired result of chlorination.
- F. The permittee shall submit the results of Whole Effluent Toxicity (WET) tests with their next permit renewal application, as required in the federal regulation 40 CFR 122.21(j)(5). The permittee shall conduct WET tests in accordance with the Department's biomonitoring requirements. Prior to starting the WET tests, the applicant must contact the Department for current requirements.
- G. All flows reported on DMRs and Supplemental Reporting forms shall include septage and all other hauled-in wastes. In addition, all hauled-in wastes shall be recorded on a daily basis on the Supplemental DMR.
- ~~H. The hauled-in waste shall be sampled at a frequency that is adequate to characterize the organic and solids content of the hauled-in waste. This characterization shall be used to determine the organic and solids loading contributed by the hauled-in waste. This loading shall be reported on the Supplemental DMR, and shall be added to the total plant loadings for Chapter 94 reporting purposes.~~
- I. Composite influent samples shall be collected and analyzed for BOD<sub>5</sub> and Total Suspended Solids. Influent samples shall be collected at a location that is representative of all flows and loadings received by the facility. The influent mass BOD<sub>5</sub> loading to the plant, including all hauled-in wastes, shall be used for the development of annual Municipal Wasteload Management Reports.

#### IV. SUPPLEMENTAL INFORMATION

- A. The hydraulic design capacity of 26 million gallons per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to help determine whether a "hydraulic overload" situation exists, as defined in Title 25 Pa. Code Chapter 94.
- B. The effluent limitations for this outfall were determined using an effluent discharge rate of 26 million gallons per day.

#### II. INDUSTRIAL PRETREATMENT PROGRAM IMPLEMENTATION

- A. *General Requirement* -- The permittee shall implement an industrial pretreatment program in accordance with the federal Clean Water Act, The Pennsylvania Clean Streams Law, and the federal General Pretreatment Regulations (40 CFR 403). The program shall also be implemented in accordance with the pretreatment program, and any modifications submitted by the permittee and approved by the Approval Authority.
- B. *Annual Report and Other Requirements* -- The permittee shall submit an Annual Report by March 31 of each year to DEP and EPA that describes the permittee's pretreatment activities of the previous calendar year. The Annual Report shall include a description of pretreatment activities in all municipalities from which wastewater is received. The submission to DEP will be incorporated into the permittee's Annual Municipal Wasteload Management Report required by 25 Pa. Code, Chapter 94, of the Department's Rules and Regulations. The Annual Report shall contain the following:
  - 1. *Control Mechanism Issuance* -- The Annual Report shall contain a summary of Significant Industrial User (SIU) control mechanism issuance, including a list of issuance and expiration dates for each SIU.
  - 2. *Sampling and Inspection* -- The Annual Report shall contain a summary of the number and type of inspections and sampling of SIUs by the permittee, including a list of all SIUs either not sampled or not inspected, and the reason that the sampling and/or inspection was not conducted.
  - 3. *Significant Industrial User Compliance and POTW Enforcement* -- The Annual Report shall contain a summary of the number and type of violations of pretreatment standards and requirements, local limits, and the actions taken by the permittee to obtain compliance, including civil penalty assessments and actions for injunctive relief. The report shall state whether each SIU was in significant noncompliance, as that term is defined in 40 CFR Part 403.8(f)(2)(viii).

4. *Industrial Listing* -- The Annual Report shall contain an updated industrial listing showing all current SIUs and the categorical standard, if any, applicable to each. In addition, the report shall contain a summary of any trucked or hauled wastewater accepted at the plant, including the source of the wastewater (domestic, commercial, or industrial), and the discharge point designated by the POTW for acceptance of such wastewater. For each industrial source, the report shall indicate the name and address of the industrial source, the average (per discharge day) amount of wastewater received, a brief description of the type of process operations conducted at the industrial facility, whether the source facility is a categorical industry, significant industry, or nonsignificant user, and any controls imposed on the user.
  5. *Summary of POTW Operations* -- The Annual Report shall contain a summary of any interference, pass-through, or permit violations by the POTW that may be attributed to industrial users, and actions taken to address these events. The summary shall include sampling and analysis of treatment plant influent, effluent, and sludge for priority pollutants and any other pollutants for which a local limit exists. The summary shall also include an analysis of any trends in such data over the past three years.
  6. *Pretreatment Program Changes* -- The Annual Report shall contain a summary of any changes to the approved program and the date of submission to the Approval Authority.
- C. *Monitoring* -- The permittee shall conduct monitoring at its treatment plant that, at a minimum, includes quarterly influent, effluent, and sludge analysis for all local limit parameters, and an annual priority pollution scan for influent and sludge.
- D. *Notification of Pass-Through or Interference* -- The permittee shall notify EPA and DEP, in writing, of any instance of pass-through or interference related to an industrial discharge from an IU into the POTW. The notification shall be attached to the DMR submitted to EPA and DEP and shall describe the incident, including the date, time, length, cause (including responsible user if known), and the steps taken by the permittee and IU (if identified) to address the incident. A copy of the notification shall be sent to the EPA at the address provided in Section H herein.
- E. *Headworks Analysis* -- The permittee shall submit to EPA and DEP, a reevaluation of its local limits based on a headworks analysis of its treatment plant within one year of permit issuance. The list of pollutants to be evaluated, as well as a sampling plan for collection of necessary data, shall be submitted to EPA and DEP within three months of permit issuance. Within six months of acceptance of the headworks analysis by the Approval Authority, the permittee shall adopt the revised limits and notify all contributing municipalities of the need to adopt the revised limits.
- F. *Changes to Pretreatment Program* -- The Approval Authority may require the permittee to submit for approval, changes to its pretreatment program if any one or more of the following conditions is present:
1. The program is not implemented in accordance with 40 CFR Part 403.
  2. Problems such as interference, pass-through or sludge contamination develop or continue.
  3. Federal, state, or local requirements change.
  4. Changes are needed to assure protection of waters of the Commonwealth.
- G. *Procedure for Pretreatment Program Changes* -- Upon submittal by the permittee, and written notice of approval by the Approval Authority to the permittee of any changes to the permittee's approved pretreatment program, such changes are effective and binding upon the permittee, unless the permittee objects within 30 days of receipt of the written notice of approval. Any such objection must be submitted in writing to both the Department and EPA at the addresses shown below.
- H. *Correspondence* -- The Approval Authority shall be EPA at the following address:

Pretreatment Coordinator (3WP41)  
Water Protection Division  
U.S. Environmental Protection Agency, Region III  
1650 Arch Street  
Philadelphia, PA 19103-2029

Copies of all correspondence and reports dealing with this program shall be sent to:

Department of Environmental Protection  
Southcentral Regional Office  
Water Management Program  
909 Elmerton Avenue  
Harrisburg, PA 17110-8200

## VI. REQUIREMENTS APPLICABLE TO STORMWATER OUTFALLS

### A. Prohibition of Non-stormwater Discharges

1. Except as provided in A.2, all discharges to Stormwater Outfalls shall be composed entirely of stormwater.

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2. The following non-polluting water discharges may be authorized, provided the discharge is in compliance with D.2.b: discharges from fire fighting activities; fire hydrant flushings, potable water sources including waterline flushings, irrigation drainage, lawn watering, routine external building washdown which does not use detergents or other compounds, pavement washwaters where spills or leaks of toxic or hazardous materials have not occurred (unless all spilled material has been removed) and where detergents are not used, air conditioning condensate, springs, uncontaminated groundwater, and foundation or footing drains where flows are not contaminated with process materials such as solvents.

### B. Spills

This permit does not authorize the discharge of any polluting substances resulting from an on-site spill. Such spills shall be controlled through proper implementation of a PPC Plan as stated in Section D below.

- ### C. This permit does not authorize any discharge (stormwater or non-stormwater) containing any pollutant that may cause or contribute to an impact on aquatic life or pose a substantial hazard to human health or the environment due to its quantity or concentration.

### D. Preparedness, Prevention and Contingency Plans

#### 1. Development of Plan

Operators of facilities shall have developed a Preparedness, Prevention and Contingency (PPC) Plan in accordance with 25 Pa. Code § 91.34 and the "Guidelines for the Development and Implementation of Environmental Emergency Response Plans". The PPC Plan shall identify potential sources of pollution that may reasonably be expected to affect the quality of stormwater discharges from the facility. In addition, the PPC Plan shall describe the BMPs that are to be used to reduce the pollutants in stormwater discharges at the facility ensuring compliance with the terms and conditions of this permit.

#### 2. Non-stormwater Discharges

- a. The PPC Plan shall contain a certification that the discharge has been tested or evaluated for the presence of non-stormwater discharges. The certification shall include the identification of potential significant sources of non-stormwater at the site, a description of the results of any test and/or evaluation for the presence of non-stormwater discharges, the evaluation criteria or testing methods used, the date of any testing and/or evaluation, and the on-site drainage points that were directly observed during the test. Such certification may not be feasible if the facility operating the stormwater discharge does not have access to an outfall, manhole, or other point of access to the ultimate conduit that receives the discharge. In such cases, the source identification section of the PPC Plan shall indicate why the certification was not feasible. A discharger that is unable to provide the certification must notify the Department within 180 days of the effective date of this permit.
- b. Except for flows from fire fighting activities, sources of non-stormwater listed in A.2. (authorized non-stormwater discharges) that are combined with stormwater discharges must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-stormwater component(s) of the discharge.

3. Comprehensive Site Compliance Evaluations and Record Keeping

Qualified personnel shall conduct site compliance evaluations at least once a year. Such evaluations shall include:

- a. Visual inspection and evaluation of areas contributing to a stormwater discharge for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural stormwater management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.
- b. Based on the results of the inspection, the description of potential pollutant sources identified in the PPC plan, and pollution prevention measures and controls identified in the plan shall be revised as appropriate within 15 days of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than 90 days after the inspection.
- c. A report summarizing the scope of the inspection, using the DEP's Annual Inspection Form shall be completed and made available upon request and retained as part of the PPC Plan for at least one year after coverage under this permit terminates.

E. Stormwater Management Best Management Practices (BMPs)

The permittee shall implement at least the following BMPs:

- 1. Manage sludge in accordance with all applicable permit requirements.
- 2. Store chemicals in secure areas on impervious surfaces away from storm drains.
- 3. Design wastewater treatment facilities to prevent run-on and avoid stormwater commingling with sanitary wastewater.
- 4. Efficiently use herbicides for weed control; where practicable investigate use of the least toxic herbicides; do not apply during windy conditions.

F. The following table describes the outfall locations:

<u>Outfall No.</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Area Description</u>
001	30°59'08"	76°43'25"	Codorus Creek
003	30°59'17"	76°43'37"	UNT of Codorus Creek
004	30°59'19"	76°43'38"	UNT of Codorus Creek
005	30°59'20"	76°43'36"	UNT of Codorus Creek
006	30°59'20"	76°43'32"	UNT of Codorus Creek
007	30°59'23"	76°43'32"	UNT of Codorus Creek

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT**

**NAME:** York City Sewer Authority, c/o Stacey R. MacNeal  
**ADDRESS:** Katherman, Heim & Perry  
 345 East Market Street, York, PA 17403  
**FACILITY:** York City WWTP  
**LOCATION:** Manchester Township, York County  
**WATERSHED:** 7-H (Codorus Creek)

PA 0026263  
 PERMIT NUMBER

001  
 OUTFALL

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

This permit EXPIRES: JANUARY 31, 2013

Permit Renewal Application must be received  
 180 days prior to expiration.

NOTE: Read instructions Before Completing This Form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT	*****	*****	MGD	*****	*****	*****	*****	X		
	PERMIT REQUIREMENT	Report Mo Avg	Report Daily Max	MGD	*****	*****	*****	*****	X	Cont	Meas
pH	SAMPLE MEASUREMENT	*****	*****	*****		*****					
	PERMIT REQUIREMENT	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	S.U.	X	1/Day	Grab
Dissolved Oxygen	SAMPLE MEASUREMENT	*****	*****	*****		*****	*****				
	PERMIT REQUIREMENT	*****	*****	*****	5.0 Inst Min	*****	*****	mg/l	X	1/Day	Grab
Total Residual Chlorine	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	*****	*****	Report Mo Avg	*****	mg/l	X	1/Day	Grab
Fecal Coliform (5/1 to 9/30)	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	*****	*****	200 30 Day Geo	*****	No. 100 ml	X	5/Week	Grab
Fecal Coliform (10/1 to 4/30)	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	*****	*****	2,000 30 Day Geo	*****	No. 100 ml	X	5/Week	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****				
	PERMIT REQUIREMENT	Report Mo Avg	Report Wkly Avg	lb/day	*****	30 Mo Avg	45 Wkly Avg	mg/l	X	5/Week	24-hr comp
Total Phosphorus	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****				
	PERMIT REQUIREMENT	Report Mo Avg	*****	lb/day	*****	2.0 Mo Avg	*****	mg/l	X	5/Week	24-hr Comp

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT**

**NAME:** York City Sewer Authority, c/o Stacey R. MacNeal  
**ADDRESS:** Katherman, Heim & Perry  
 345 East Market Street, York, PA 17403  
**FACILITY:** York City WWTP  
**LOCATION:** Manichester Township, York County  
**WATERSHED:** 7-H (Codorus Creek)

PA 0026263  
 PERMIT NUMBER

001  
 DISCHARGE #

This permit EXPIRES: JANUARY 31, 2013

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Permit Renewal Application must be received  
 180 days prior to expiration.

NOTE: Read Instructions Before Completing This Form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CBOD <sub>5</sub> (5/1 to 10/31)	SAMPLE MEASUREMENT				*****						
	PERMIT REQUIREMENT	Report Mo Avg	Report Wkly Avg	lb/day	*****	15 Mo Avg	22 Wkly Avg	mg/l	X	5/Week	24-hr Comp
CBOD <sub>5</sub> (11/1 to 4/30)	SAMPLE MEASUREMENT				*****						
	PERMIT REQUIREMENT	Report Mo Avg	Report Wkly Avg	lb/day	*****	20 Mo Avg	30 Wkly Avg	mg/l	X	5/Week	24-hr Comp
NH <sub>3</sub> -N (5/1 to 10/31)	SAMPLE MEASUREMENT		*****		*****		*****				
	PERMIT REQUIREMENT	Report Mo Avg	*****	lb/day	*****	1.7 Mo Avg	*****	mg/l	X	5/Week	24-hr Comp
NH <sub>3</sub> -N (11/1 to 4/30)	SAMPLE MEASUREMENT		*****		*****		*****				
	PERMIT REQUIREMENT	Report Mo Avg	*****	lb/day	*****	2.1 Mo Avg	*****	mg/l	X	5/Week	24-hr Comp

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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 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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT**

**NAME:** York City Sewer Authority, c/o Stacey R. MacNeal  
**ADDRESS:** Katherman, Heim & Perry  
 345 East Market Street, York, PA 17403  
**FACILITY:** York City WWTP  
**LOCATION:** Manchester Township, York County  
**WATERSHED:** 7-H (Codorus Creek)

PA 0026263  
 PERMIT NUMBER

002  
 OUTFALL

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

This permit EXPIRES: JANUARY 31, 2013

Permit Renewal Application must be received  
 180 days prior to expiration.

NOTE: Read Instructions Before Completing This Form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Flow	SAMPLE MEASUREMENT	*****	*****	MGD	*****	*****	*****	*****	X		
	PERMIT REQUIREMENT	Report Mo Avg	Report Daily Max	MGD	*****	*****	*****	*****	X	Cont	Meas
pH	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	6.0 Minimum	*****	9.0 Maximum	S.U.	X	1/Day	Grab
Dissolved Oxygen	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	5.0 Inst Min	*****	*****	mg/l	X	1/Day	Grab
Total Residual Chlorine	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	Report Mo Avg	*****	mg/l	X	1/Day	Grab
Fecal Coliform (5/1 to 9/30)	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	200 30 Day Geo	*****	No. 100 ml	X	5/Week	Grab
Fecal Coliform (10/1 to 4/30)	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	*****	*****	*****	*****	2,000 30 Day Geo	*****	No. 100 ml	X	5/Week	Grab
Total Suspended Solids	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	6,505 Mo Avg	9,758 Wkly Avg	lb/day	*****	30 Mo Avg	45 Wkly Avg	mg/l	X	5/Week	24-hr comp
Total Phosphorus	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	*****	*****			
	PERMIT REQUIREMENT	434 Mo Avg	*****	lb/day	*****	2.0 Mo Avg	*****	mg/l	X	5/Week	24-hr Comp

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT**

NAME: York City Sewer Authority, c/o Stacey R. MacNeal  
 ADDRESS: Katherman, Heim & Perry  
 345 East Market Street, York, PA 17403  
 FACILITY: York City WWTP  
 LOCATION: Manchester Township, York County  
 WATERSHED: 7-H (Codorus Creek)

PA 0026263  
 PERMIT NUMBER

002  
 DISCHARGE #

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
			TO			

This permit EXPIRES: JANUARY 31, 2013

Permit Renewal Application must be received  
 180 days prior to expiration.

NOTE: Read Instructions Before Completing This Form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPL TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
CBOD <sub>5</sub> (5/1 to 10/31)	SAMPLE MEASUREMENT				*****						
	PERMIT REQUIREMENT	3,253 Mo Avg	4,879 Wkly Avg	lb/day	*****	15 Mo Avg	22 Wkly Avg	mg/l	X	5/Week	24-h Com
CBOD <sub>5</sub> (11/1 to 4/30)	SAMPLE MEASUREMENT				*****						
	PERMIT REQUIREMENT	4,337 Mo Avg	6,505 Wkly Avg	lb/day	*****	20 Mo Avg	30 Wkly Avg	mg/l	X	5/Week	24-h Com
NH <sub>3</sub> -N (5/1 to 10/31)	SAMPLE MEASUREMENT		*****		*****		*****				
	PERMIT REQUIREMENT	369 Mo Avg	*****	lb/day	*****	1.7 Mo Avg	*****	mg/l	X	5/Week	24-h Com
NH <sub>3</sub> -N (11/1 to 4/30)	SAMPLE MEASUREMENT		*****		*****		*****				
	PERMIT REQUIREMENT	455 Mo Avg	*****	lb/day	*****	2.1 Mo Avg	*****	mg/l	X	5/Week	24-h Com

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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 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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved OMB No. 2040-0004

NAME: York City Sewer Authority, c/o Stacey R. MacNeal  
 ADDRESS: Katherman, Heim & Perry  
 345 East Market Street, York, PA 17403  
 FACILITY: York City WWTP  
 LOCATION: Manchester Township, York County  
 WATERSHED: 7-H (Codus Creek)

PA 0026263  
 PERMIT NUMBER

001  
 DISCHARGE #

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

INTERIM EFFLUENT LIMITS

Permit Expiration Date: JANUARY 31, 2013

Permit Renewal Application must be received 180 days prior to expiration.

INTERIM CHESAPEAKE BAY LIMITS

NOTE: Read Instructions Before Completing This Form

PARAMETER	SAMPLE MEASUREMENT / PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE					
		AVERAGE	ANNUAL	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS								
Ammonia-N	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****		*****									
	PERMIT REQUIREMENT	Report Monthly Total	Annual Total	lbs	*****	Report Monthly Average	*****	mg/l		5/Week	24 Hr Comp					
Kjeldahl-N	SAMPLE MEASUREMENT		*****		*****		*****									
	PERMIT REQUIREMENT	Report Monthly Total	*****	lbs	*****	Report Monthly Average	*****	mg/l		1/Week	24 Hr Comp					
Nitrate/ Nitrite-N	SAMPLE MEASUREMENT		*****		*****		*****									
	PERMIT REQUIREMENT	Report Monthly Total	*****	lbs	*****	Report Monthly Average	*****	mg/l		1/Week	24 Hr Comp					
Total Nitrogen	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****		*****									
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	Report Monthly Average	*****	mg/l		1/Month	Calc					
Total Phosphorus	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****		*****									
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	Report Monthly Average	*****	mg/l		5/Week	24 Hr Comp					
Net Total Nitrogen	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****	*****	*****									
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	*****	*****	*****		1/Month	Calc					
Net Total Phosphorus	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****	*****	*****									
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	*****	*****	*****		1/Month	Calc					
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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 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.					TELEPHONE		DATE							
TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT					AREA CODE	NUMBER	YEAR	MO	DAY
COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)																

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
DISCHARGE MONITORING REPORT (DMR)

Form Approved  
OMB No. 2040-0004

NAME: York City Sewer Authority, c/o Stacey R. MacNeal  
ADDRESS: Katherman, Heim & Perry  
345 East Market Street, York, PA 17403  
FACILITY: York City WWTP  
LOCATION: Manchester Township, York County  
WATERSHED: 7-H (Codorus Creek)

PA 0026263	001
PERMIT NUMBER	DISCHARGE #

FINAL EFFLUENT LIMITS

Permit Expiration Date: JANUARY 31, 2013

Permit Renewal Application must be received  
180 days prior to expiration.

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

FINAL CHESAPEAKE BAY LIMITS

NOTE: Read Instructions Before Completing This Form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO.	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	ANNUAL	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Ammonia-N	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****			*****			
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	Report Monthly Average		*****	mg/l	5/Week	24 Hr Comp
Kjeldahl-N	SAMPLE MEASUREMENT		*****		*****			*****			
	PERMIT REQUIREMENT	Report Monthly Total	*****	lbs	*****	Report Monthly Average		*****	mg/l	1/Week	24 Hr Comp
Nitrate/ Nitrite-N	SAMPLE MEASUREMENT		*****		*****			*****			
	PERMIT REQUIREMENT	Report Monthly Total	*****	lbs	*****	Report Monthly Average		*****	mg/l	1/Week	24 Hr Comp
Total Nitrogen	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****			*****			
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	Report Monthly Average		*****	mg/l	1/Month	Calc
Total Phosphorus	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****			*****			
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	Report Monthly Average		*****	mg/l	5/Week	24 Hr Comp
Net Total Nitrogen	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****	*****		*****			
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	*****		*****	*****	1/Month	Calc
Net Total Phosphorus	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****	*****		*****			
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	*****		*****	*****	1/Month	Calc

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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 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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if different)

NAME: York City Sewer Authority, c/o Stacey R. MacNeal  
 ADDRESS: Katherman, Heim & Perry  
 345 East Market Street, York, PA 17403  
 FACILITY: York City WWTP  
 LOCATION: Manchester Township, York County  
 WATERSHED: 7-H (Codus Creek)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
 DISCHARGE MONITORING REPORT (DMR)

PA 0026263 002  
 PERMIT NUMBER DISCHARGE #

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

Form Approved  
 OMB No. 2040-0004

FINAL EFFLUENT LIMITS

Permit Expiration Date: JANUARY 31, 2013

Permit Renewal Application must be received  
 180 days prior to expiration.

FINAL CHESAPEAKE BAY LIMITS

NOTE: Read Instructions Before Completing This Form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	ANNUAL	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Ammonia-N	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****		*****				
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	Report Monthly Average	*****	mg/l		5/Week	24 Hr Comp
Kjeldahl-N	SAMPLE MEASUREMENT		*****		*****		*****				
	PERMIT REQUIREMENT	Report Monthly Total	*****	lbs	*****	Report Monthly Average	*****	mg/l		1/Week	24 Hr Comp
Nitrate/ Nitrite-N	SAMPLE MEASUREMENT		*****		*****		*****				
	PERMIT REQUIREMENT	Report Monthly Total	*****	lbs	*****	Report Monthly Average	*****	mg/l		1/Week	24 Hr Comp
Total Nitrogen	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****		*****				
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	Report Monthly Average	*****	mg/l		1/Month	Calculate
Total Phosphorus	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****		*****				
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	Report Monthly Average	*****	mg/l		5/Week	24 Hr Comp
Net Total Nitrogen	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****	*****	*****				
	PERMIT REQUIREMENT	Report Monthly Total	474,880 Annual Total	lbs	*****	*****	*****	*****		1/Month	Calculate
Net Total Phosphorus	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****	*****	*****				
	PERMIT REQUIREMENT	Report Monthly Total	63,317 Annual Total	lbs	*****	*****	*****	*****		1/Month	Calculate
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		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 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.					TELEPHONE		DATE		
TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER	YEAR

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

PERMITTEE NAME/ADDRESS (include Facility Name/Location if different)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

Form Approved OMB No. 2040-0004

NAME: York City Sewer Authority, c/o Stacey R. MacNeal  
 ADDRESS: Katherman, Heim & Perry  
 345 East Market Street, York, PA 17403  
 FACILITY: York City WWTP  
 LOCATION: Manchester Township, York County  
 WATERSHED: 7-H (Codorus Creek)

PA 0026263  
 PERMIT NUMBER

002  
 DISCHARGE #

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

INTERIM EFFLUENT LIMITS

Permit Expiration Date: JANUARY 31, 2013

Permit Renewal Application must be received 180 days prior to expiration.

INTERIM CHESAPEAKE BAY LIMITS

NOTE: Read Instructions Before Completing This Form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	ANNUAL	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
Ammonia-N	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****			*****			
	PERMIT REQUIREMENT	Report Monthly Total	Annual Total	lbs	*****	Report Monthly Average		*****		5/Week	24 Hr Comp
Kjeldahl-N	SAMPLE MEASUREMENT		*****		*****			*****			
	PERMIT REQUIREMENT	Report Monthly Total	*****	lbs	*****	Report Monthly Average		*****		1/Week	24 Hr Comp
Nitrate/ Nitrite-N	SAMPLE MEASUREMENT		*****		*****			*****			
	PERMIT REQUIREMENT	Report Monthly Total	*****	lbs	*****	Report Monthly Average		*****		1/Week	24 Hr Comp
Total Nitrogen	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****			*****			
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	Report Monthly Average		*****		1/Month	Calc
Total Phosphorus	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****			*****			
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	Report Monthly Average		*****		5/Week	24 Hr Comp
Net Total Nitrogen	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****	*****		*****			
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	*****		*****		1/Month	Calc
Net Total Phosphorus	SAMPLE MEASUREMENT		Report on Annual Supplemental		*****	*****		*****			
	PERMIT REQUIREMENT	Report Monthly Total	Report Annual Total	lbs	*****	*****		*****		1/Month	Calc

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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 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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE		DATE		
			AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)

DISCHARGE MONITORING REPORT SUPPLEMENTAL FORM (S)

York City Sewer Authority  
 Manchester Township, York County  
 Watershed 7-H

For the MONTH \_\_\_\_\_ 20\_\_\_\_  
 NPDES Permit No. PA 0026263 Outfall No. 001  
 Renewal application DUE DATE is JULY 1, 2012.  
 This permit will EXPIRE on JANUARY 31, 2013.

DAY	Influent			Process Control		Hauled-In Wastes					
	BOD <sub>5</sub>	BOD <sub>5</sub>	TSS	Sludge Wasted	Aeration MLSS	Septage	Sludge	Other (specify)	Total		
	mg/l	lbs.	mg/l	gallons	mg/l	gallons	gallons	gallons	gallons	lbs/TSS	lbs BOD <sub>5</sub>
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
14											
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16											
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18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Avg											

Date: \_\_\_\_\_

Signature \_\_\_\_\_

Telephone: ( \_\_\_\_\_ ) \_\_\_\_\_

**DISCHARGE MONITORING REPORT SUPPLEMENTAL FORM (S)**

York City Sewer Authority  
 Manchester Township, York County  
 Watershed 7-H

For <sup>the</sup> MONTH \_\_\_\_\_

20\_\_\_\_

NPDES Permit No. PA 0026263 Outfall No. 001

Renewal application DUE DATE is JULY 1, 2012.

This permit will EXPIRE on JANUARY 31, 2013.

DAY	FLOW (MGD)	Effluent									
		Total P mg/l	Total P lbs/day	NH <sub>3</sub> -N mg/l	NH <sub>3</sub> -N lbs/day	TKN mg/l	TKN lbs/day	NO <sub>3</sub> +NO <sub>2</sub> as N mg/l	NO <sub>3</sub> +NO <sub>2</sub> as N lbs/day	Total N (mg/l) TKN + NO <sub>2</sub> + NO <sub>3</sub>	Total N (lbs/day) TKN + NO <sub>2</sub> + NO <sub>3</sub>
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
13											
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20											
21											
22											
23											
24											
25											
26											
27											
28											
29											
30											
31											
Avg											
*Total lbs/mo	XXX	XXX		XXX	XXX	XXX		XXX			XXX

\* Calculated by Avg (lbs/day) x total number of days in month  
 Number of Days Discharge Occurred = \_\_\_\_\_  
 Bay Revision 7/30/07

Signature \_\_\_\_\_

Date: \_\_\_\_\_

DISCHARGE MONITORING REPORT SUPPLEMENTAL FORM (S) For the MONTH \_\_\_\_\_

20

York City Sewer Authority  
 Manchester Township, York County  
 Watershed 7-H

NPDES Permit No. PA 0026263 Outfall No. 001  
 Renewal application DUE DATE is JULY 1, 2012.  
 This permit will EXPIRE on JANUARY 31, 2013.

DAY	Effluent							Weather/Comments	
	CBOD <sub>5</sub>		TSS		pH	D.O.	Fecals		TRC
	mg/l	lbs/day	mg/l	lbs/day	SU	mg/l	/100 ml	mg/l	
1									
2									
3									
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
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18									
19									
20									
21									
22									
23									
24									
25									
26									
27									
28									
29									
30									
31									
Avg							*		

REMARKS: \* Fecal Coliform average is reported as Geometric Average.

Laboratory Name: \_\_\_\_\_

In house? \_\_\_\_\_

Check here if no biosolids were removed from the plant during the month (otherwise, attach page 4). Signature \_\_\_\_\_

Check here if there were no noncompliance discharges during the month (otherwise, attach page 5). Date: \_\_\_\_\_

Check here if there were no credits or offsets applied during the month (otherwise, attach page 6 and 7). Date: \_\_\_\_\_



Noncompliance Discharge Report - NPDES Permit PA 0026263

York City Sewer Authority  
Manchester Township, York County  
Watershed 7-H

Outfall No. 001

1. A noncompliance discharge of \_\_\_\_\_  
occurred on this (these) dates: \_\_\_\_\_
2. The impact on the receiving water was (circle those that apply): 1. Foam 2. Sheen 3. Discoloration 4. Odors 5. Solids deposited 6. Fishkill  
7. Did not determine 8. Other (describe): \_\_\_\_\_
3. The cause of the noncompliance discharge was: \_\_\_\_\_  
\_\_\_\_\_
4. The noncompliance discharge continued from the period of (date) \_\_\_\_\_ and (time) \_\_\_\_\_  
to (date) \_\_\_\_\_ and (time) \_\_\_\_\_ or will continue until (date) \_\_\_\_\_  
and (time) \_\_\_\_\_
5. The following action is being taken to prevent a recurrence or another noncompliance discharge of this nature: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
6. The following analyses were made to determine the impact and the extent of the impact upon the receiving waters (effluent, stream, other): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
7. The Department of Environmental Protection was notified of the noncompliance on (date) \_\_\_\_\_ at (time) \_\_\_\_\_  
The person(s) contacted was (were): \_\_\_\_\_

Signature \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Page 5

**DISCHARGE MONITORING REPORT SUPPLEMENTAL - NITROGEN**

For the MONTH \_\_\_\_\_

20\_\_\_\_

York City Sewer Authority  
Manchester Township, York County

NPDES Permit PA 0026263  
Outfall No. 001

7-H Watershed

**Total Nitrogen - Credits**

Registry Number and Contract Effective Dates	Purchased (lbs/yr)	Sold (lbs/yr)	Date Approved
Total			

**Total Nitrogen - Offsets**

Source	Amount (lbs/yr)	Date Approved
Total		

Monthly Total Nitrogen Load			lbs
Monthly Net Total Nitrogen Load			lbs

Monthly Total Nitrogen Load (lbs) = the sum of the Daily Discharge Loads (lb/d) divided by the number of samples per month multiplied by the number of days in the month.

Daily Discharge Load (lb/d) = Daily Flow (MGD) on the day of sampling multiplied by the Daily Sample Concentration (mg/l) multiplied by 8.34.

Monthly Net Total Nitrogen Load (lbs) = Monthly Total Nitrogen Load + Total Credits sold during the month - Total Credits applied during the month - (Offsets Applied/12)

The credits sold or purchased and offsets applied can be utilized the month following the date approved.

DISCHARGE MONITORING REPORT SUPPLEMENTAL - PHOSPHOROUS For the MONTH \_\_\_\_\_

20

York City Sewer Authority  
Manchester Township, York County

NPDES Permit PA 0026263  
Outfall No. 001

7-H Watershed

Total Phosphorous - Credits

Registry Number and Contract Effective Dates	Purchased (lbs/yr)	Sold (lbs/yr)	Date Approved
Total			

Total Phosphorous - Offsets

Source	Amount (lbs/yr)	Date Approved
Total		

Monthly Total Phosphorous Load			lbs
Monthly Net Total Phosphorous Load			lbs

Monthly Total Phosphorus Load (lbs) = the sum of the Daily Discharge Loads (lb/d) divided by the number of samples per month multiplied by the number of days in the month.

Daily Discharge Load (lb/d) = Daily Flow (MGD) on the day of sampling multiplied by the Daily Sample Concentration (mg/l) multiplied by 8.34.

Monthly Net Total Phosphorus Load (lbs) = Monthly Total Phosphorus Load + Total Credits sold during the month - Total Credits applied during the month - (Offsets/12)

The credits sold or purchased and offsets applied can be utilized the month following the date approved.

**DISCHARGE MONITORING REPORT SUPPLEMENTAL – ANNUAL NUTRIENT SUMMARY**

York City Sewer Authority  
 Manchester Township, York County  
 7-H Watershed

For the Compliance Year \_\_\_\_\_  
 NPDES Permit No. PA 0026263 Outfall No. 001

Month	Monthly Total Mass Load			Credit sold		Credit Purchased		Offsets		Monthly Net Mass Load	
	(Pounds)			(Pounds)		(Pounds)		(Pounds)		(Pounds)	
	Ammonia	TN	TP	TN	TP	TN	TP	TN	TP	TN	TP
Oct											
Nov											
Dec											
Jan											
Feb											
Mar											
Apr											
May											
Jun											
July											
Aug											
Sept											
<b>Totals</b>				XXX	XXX	XXX	XXX	XXX	XXX		
<b>Truing Period Calculations</b>	Annual Total Mass Load (Pounds)			Credit Sold (Pounds)		Credit Purchased (Pounds)		Offsets (Pounds)		Annual Net Mass Load (Pounds)	
	Truing Period Adjustment (Oct 1 thru Nov 28)							XXXXXX			
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				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 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.				TELEPHONE		DATE	
TYPED OR PRINTED								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		AREA CODE	NUMBER

Annual Net Mass Load after Truing Period = Annual Net Mass Load before Truing Period + Credits Sold in Truing Period - Credits Purchased in Truing Period

Nutrient Summary Supplemental DMR Form shall be submitted by November 28 following the end of the compliance year.

All credits sold or credits purchased shall be accounted for in a lump sum.

All offsets shall be accounted for on a monthly basis. See permit conditions for additional information.

## Discharge Monitoring Reports & Supplemental Report Forms (Instructions and helpful hints for their completion)

Please find attached your Discharge Monitoring Report (DMR) and Supplemental Report forms. These forms are used in the self-monitoring program as required by your NPDES permit. You should make copies of these forms for your use. The reporting period is generally a calendar month. Your reports must be received by the 28th day of the following month. Please see that all treatment facility personnel are aware of the permit and DMR form. We seek your assistance in preventing errors and reporting mistakes.

### DISCHARGE MONITORING REPORTS (DMRs)

- Inspect the form and contact us immediately if you find errors or omissions. Do not change or add information yourself.
- 
- Complete all blocks where we have listed an entry under Permit Condition. This includes the FREQUENCY OF ANALYSIS and SAMPLE TYPE columns. Do not complete any other blocks.
  - Make sure your reports are neat and legible. Submit original DMR, signed in ink to DEP.
  - Report in the same significant figures as shown on Effluent Limitations, Monitoring, Recordkeeping, and Reporting Requirements page.
  - Report in the same units shown on the DMR.
  - List the number of times a particular permit condition has been exceeded under the NO EX column. This would include daily, weekly, and monthly limitations. If there were none for that month, enter zero (0). This does not apply to flow.
  - If there was no discharge for a particular outfall, a DMR must still be submitted. Write "NO DISCHARGE" on the FLOW line or on the first parameter line if FLOW is not listed.
  - If a particular parameter is conditional on other parameters (such as FLOW or TEMPERATURE), it may not always be reportable. If this is the case, write "NO DISCHARGE" on that parameter line and provide an explanation.
  - If you have **quantity** limits (loadings) listed on the DMR, you will need to calculate the **quantity** in lb/day. To do this, use the following formula:
 
$$\text{mg/l (concentration)} \times \text{MGD (Flow)} \times 8.34 \text{ lb/gal} = \text{lb/day}$$
  - The monthly average lb/day is the sum of all the daily lb/day results divided by the number of days you sampled. Do not use monthly average flow and monthly average concentration in the above formula.
  - All effluent samples taken using approved methods must be recorded on the Supplemental form and reported on the DMR.
  - For every day you sample the effluent, you should record the sample result for that day. The discharge flow should be recorded in million gal/day for that day, (a 24-hour period). Use these figures to calculate the lb/day in the formula above.
  - Use > (greater than), < (less than) - the method detection limit to report results that are above or below the detection limit and cannot be quantified. Use the method detection limit for calculating loadings if values are less than detection limit.

## SUPPLEMENTAL FORMS

### Supplemental Form (S)

This form is used for all sewage treatment facilities and certain industrial waste treatment facilities such as food processing. Column headings are standard on all Form (S) reports. Some of the headings may not apply to your facility.

- **Influent.** Municipal facilities must perform influent sampling for Chapter 94 wasteload management reporting. Analyze BOD<sub>5</sub> (not CBOD<sub>5</sub>) and Total Suspended Solids (TSS) in the effluent at the minimum frequency specified in the permit. The sampling must be conducted at a location representative of all flows and loads received by the facility.

Total Flow during day of sampling (MGD) x Influent BOD<sub>5</sub> (mg/l) x 8.34

- **Process Control.** For the column titled "Sludge Wasted," specify the volume (gallons) of sludge wasted for each day to holding tanks, drying beds, digesters, or other onsite retention facilities. Do not include the volume of sludge taken off-site, as off-site sludge usage or disposal should be reported on the Supplemental Biosolids Report (page 3). For the column titled "Aeration MLSS," indicate the mixed liquor suspended solids (MLSS) concentration in mg/l for your biological treatment facilities. There is no monitoring requirement in the permit; however, it is strongly recommended that MLSS be monitored weekly or more frequently depending on the size of the treatment plant. If you are utilizing other methods to evaluate biological process performance (e.g., settleometer measurements, centrifuge spin, etc.) you should convert these measurements to MLSS concentrations for reporting purposes.
- **Hauled-in Waste.** If hauled-in wastes are not included in influent composite analyses, for each day in which hauled-in wastes are received at the facility, indicate the volume and combined loading of septage, sludge, and other wastes received during the day in the appropriate columns. Loading from the hauled-in waste shall be based on a daily composite of grab samples from the individual truck loads.
- **Flow.** Report in million gallons (MG). For example: 13,000 gallons = 0.013 MG; 7,500 gallons = 0.0075 MG; 540 gallons = 0.00054 MG; if no flow, indicate by printing "NO FLOW".
- **Sludge Wasted.** Show daily sludge wasting in gallons to holding tanks, sludge drying beds, or digesters. Record the amounts of sludge wasted under Process Control.
- **Aeration Solids.** Indicate the results of either *mixed liquor suspended solids* in mg/l, *settleometer reading* in ml/l, or *centrifuge spin* in percent (%). Indicate which units you are using in the column.
- **Fecal Coliform Bacteria.** Report fecal coliform bacteria/100 ml. Average is **Geometric Mean**. A calculator for determining Geo Mean is available on the Department's Water/Wastewater information site:

<http://www.dep.state.pa.us/dep/deputate/waterops/hdex.htm>

Enter the site and click on: Water/Wastewater Calculators.

### Calculation of Geometric Mean for Fecal Coliform

The *average* requested on both the DMR and the Supplemental form is Geometric Means or averages. This is not the typical average obtained by adding all of the fecal results and dividing by the number of samples. Below is the formula for calculating the **Geometric Mean**:

$$GM = \sqrt[Z]{N_1 \times N_2 \times N_3 \times \dots \times N_z}$$

Where:

N = sample value, Z = the number of samples

As an example, eight (8) fecal coliform samples were collected and analyzed. The results of the analyses were as follows:

N1=	120	N5=	70
N2=	80	N6=	100
N3=	40	N7=	30
N4=	120	N8=	180

In this example, Z would be 8. The equation would look like the following:

$$GM = \sqrt[8]{120 \times 80 \times 40 \times 120 \times 70 \times 100 \times 30 \times 180}$$

(\*If any value equals 0, substitute 1 for that value.)

---

$$GM = \sqrt[8]{1.74 \times 10^{15}}$$

$$GM = 80.38$$

For this example, the Geometric Mean is **80.38** and would be reported in the averages column as **80** (significant figures).

These calculations are far easier using an electronic calculator with a second function key.

- **Total P mg/l.** Record the Total Phosphorus concentration of the effluent.
- **CBOD.** Carbonaceous BOD<sub>5</sub> is a change from the BOD<sub>5</sub> in older permits. The test uses a nitrification inhibitor. Make sure your lab or contract lab is aware of this. However, if your permit still specifies BOD<sub>5</sub>, test accordingly. BOD<sub>5</sub> is still specified for influent sampling.
- **NH<sub>3</sub>-N mg/l.** Record the total Ammonia-Nitrogen concentration of the effluent.
- **Total Suspended Solids (TSS).** Report TSS concentration (mg/l) and quantity (lb/day).
- **Total Residual Chlorine (TRC).** Record the TRC content of the effluent. If dechlorination is required, sample after dechlorination.
- **pH.** Record the pH of the effluent.
- **Dissolved Oxygen (D.O.).** Record the D.O. content of the effluent.
- **Weather.** Record the weather conditions. Precipitation totals should be recorded here. An onsite rain gauge would yield useful information.
- Report effluent parameters at least as often as specified in the permit. Report any Influent and process control data as you perform them.
- You may use a computer-generated report for the Supplemental DMR only. Please use the same format as ours. Please contact this office concerning use of your own forms.
- Indicate any outside laboratory use at the bottom of the form. Mark with an **X** if all of the testing is done in-house at your facility.
- Please do **not** send laboratory report forms from your testing laboratory. Do not send your bench sheet or other records, which should be kept at your facility.

**Supplemental Form (W)**

This form is used for many industrial dischargers and in conjunction with Supplemental Form (S) for some sewage facilities. The column headings in Form (W) are matched to individual permit requirements.

- There are a great number of possible column headings for Form (W). Let us know if the abbreviations used are not clear.

We ask that you call us immediately in the event of any equipment breakdown, chemical spill, or shock loading to your influent. Call us also if operational problems result in a failure to achieve your treatment requirements. This includes treatment facility bypasses, pump station failures, and collection system overflows. Violations of effluent limitations for toxic constituents should also be reported. A written report should follow within five (5) days of the event. Refer to your permit for a complete description of the monitoring and reporting responsibilities.

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## Discharge Monitoring Report Supplemental for Bio-Solids

Biological treatment systems are designed to produce two main products: a liquid portion referred to as the *effluent* and a solid portion referred to as *bio-solids* or sludge. Bio-solid production is an important measurement of plant proficiency and performance. Properly prepared Bio-solids can be utilized as soil amendments, returning valuable soil nutrients to the soil environment. Two attached forms are to be used to track the production and utilization or disposal of Bio-Solids.

You are asked to provide the following information on the forms:

- Each form is to be filled out and submitted with the other DMR Supplemental forms. Attach any additional forms as necessary.
  - Bio-Solid production information will be used to help evaluate plant performance. Please report only the Bio-Solids which have been removed from the plant digesters and other solids which have been **permanently** removed from the treatment process. Do **not** include Bio-Solids from other facilities, which are processed at your facility.
- 
- In the **DISPOSAL SITE INFORMATION** section, report all Bio-Solids leaving your treatment plant for disposal or utilization. If your Bio-Solids are processed and disposed of at another facility, please provide that facility's name under other for type. If you receive Bio-Solids from another facility, include their tonnage in the **disposal site** section and provide their names and individual dry tonnage on the second page.
  - If no Bio-Solids were removed during the month, please check the block in the upper left corner of the page.
  - The **% Solids** of the liquid sludge or dewatered sludge must be determined by a laboratory test. Do not estimate or guess this value. An acceptable test method is the "Total Solids Dried at 103-105°C" procedure in **Standard Methods for the Examination of Water and Wastewater**, 18th edition. This test, number 2540 B, can be found on pages 2-54 and 2-55. Other references such as ASTM may have equivalent tests which are also acceptable.
  - Enter the % Solids value without moving the decimal point. The conversion factor in the formula given will convert the percent solids to its decimal equivalent. For example:

### Hauled as liquid sludge

Gallons	X % Solids	X Conv. Factor	= Dry Tons
2,500	X 3.4	X 0.0000417	= 0.35

In the above case, the percent solids were reported as 3.4%. 3.4 was used in the calculation. The decimal point was not shifted.

- Do not report the same sludge in both "Hauled as liquid sludge" and "Hauled as dewatered sludge".

## NON-COMPLIANCE DISCHARGE REPORT FORM

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Included with the DMR Supplemental Form is a Non-Compliance Discharge Report Form. This form, when properly completed, will suffice as the five-day letter as required in the permit. The following sections must be completed:

1. Describe what was discharged (sludge, raw influent, bypass, etc.) and the date(s) the non-compliance occurred.
  2. Circle the applicable stream effects, or describe any unlisted impacts.
  3. Explain the cause of the non-compliance. Use the reverse side of the paper or attach additional pages as necessary.
  4. Fill in the date(s) and time(s) of the event. Indicate when the event will cease.
  5. List here what has been done to reduce, eliminate, and prevent a recurrence of the non-complying discharge.
- 
6. List here any special analyses performed and/or field tests conducted on the discharge and/or stream.
  7. When and who did you notify of the non-complying discharge.
  8. Your signature and title.

If you should have any questions, please contact the Water Quality Specialist who inspects your facility. The Specialists can be reached at:

**Southcentral Field Office: 717-705-4707**

Adams	Fulton	Lancaster (Western)	York
Cumberland	Huntingdon (Eastern)	Lebanon	
Dauphin	Juniata	Mifflin	
Franklin	Lancaster (Eastern)	Perry	

**Altoona District Office: 814-946-7290**

Bedford    Blair    Huntingdon (Western)

**Reading District Office: 610-916-0100**

Berks

**Wastewater Training and Instructional Videos  
Department of Environmental Protection**

Operators of wastewater treatment facilities and collection systems are required to be licensed and obtain continuing education by taking DEP-approved training.

The amount of required training contact hours is dependant on the class of license that the operator holds and the current license cycle of the operator as follows:

Cycle	Class					
	A	B	C	D	E	Grandparented
1 <sup>st</sup> 3-year cycle	15	15	15	8	8	8
Subsequent 3-year cycles	30	30	30	15	15	15

The current catalog of DEP-approved training can be located on the Web at the DEP Drinking Water and Wastewater Operator Information Center. The Drinking Water and Wastewater Operator Information Center can be found by:

- Logging onto the DEP website at [www.depweb.state.pa.us](http://www.depweb.state.pa.us)
- Clicking on the "DEP Keywords" link
- Clicking on "O"
- Clicking on "Operators"

For more information concerning the continuing education requirements for licensed operators, contact DEP's Bureau of Water Standards and Facility Regulation, Division of Operations Monitoring and Training, at 717-772-4018.

If an operator needs to become licensed, contact the State Board of Water and Wastewater Systems Operators at 717-787-5236. Several study modules are available to help prepare for the required examinations. Copies of the "Operator Certification Training Modules" may be obtained from:

Pennsylvania Department of Environmental Protection  
BWSFR, Technical and Financial Assistance  
400 Market Street, RCSOB  
PO Box 8467  
Harrisburg, PA 17105-8467  
(717-787-0122)

A DEP Wastewater Operator Training DVD is available containing four video productions and seven workbooks that contain information on Activated Sludge processes and nutrient reduction strategies. These videos do not apply toward the continuing education requirement. The workbooks are computer readable files in MSWord format. The videos are:

Number	Title	Description
S-08	Introduction to Activated Sludge	Overview of the myriad of activated sludge systems available and some of the characteristics.
TNR-01	Nitrification	Focuses on the process of biological Nitrification.
TNR-02	De-Nitrification	Focuses on the process of biological De-Nitrification.
DW-06	Chemical Feed Systems	Focuses on different types of chemical feed systems.

Copies of this DVD may be obtained from:

Department of Environmental Protection  
Southcentral Regional Office  
909 Elmerton Avenue  
Harrisburg, PA 17110  
(717-705-4707)

Nothing contained on this DVD should be considered as an endorsement or condemnation by Pennsylvania DEP of any person, product, location, or technique. This production is for informational purposes only and this disk should not be considered as an all inclusive source of information on the topics covered. It is intended to assist people with understanding some of the concepts covered.

**The York Water Company  
Responses to Bureau of Technical Utility Services, Water/Wastewater Division  
Data Request 1  
Application of The York Water Company – West York Borough  
West York Borough, York County  
Docket No. A-2016-2552403  
August 29, 2016**

**DISCOVERY A-13**

If York Water did not rely on information such as the depreciated original cost of the wastewater system to be acquired, please describe the method and provide any calculation used to determine the purchase price of \$395,000.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

The final purchase price was established as a result of arm's length negotiations between West York Borough and York Water. In assessing its negotiating position, York Water considered, among other things, the age, material and condition of the wastewater collection system assets as identified by West York Borough compared to similar assets in York Water's existing inventory of assets. York Water also took into account factors such as the proximity of the West York Borough system to York Water's existing water and sewer systems, and that York Water already provides water service within the Borough.

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**The York Water Company**  
**Responses to Bureau of Technical Utility Services, Water/Wastewater Division**  
**Data Request 1**  
**Application of The York Water Company – West York Borough**  
**West York Borough, York County**  
**Docket No. A-2016-2552403**  
**August 29, 2016**

**DISCOVERY A-14**

Please state why the tentative journal entry as shown in Section 7.2 of the Application credits account no. 105 with \$445,000 instead of \$475,000 (Purchase price+ other acquisition costs).

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

The tentative journal entry as shown in Section 7.2 of the application, Account No. 105 is \$445,000. This is the correct tentative journal entry for booking the purchase of the West York wastewater collection system; \$395,000 for the purchase price plus \$50,000 in legal and acquisition costs. Projected SCADA costs of \$20,000 and installation of meter pits of \$60,000 are project costs and are not accounted for as "acquisition costs."

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SECRETARY'S BUREAU

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**West York Borough, York County**  
**Docket No. A-2016-2552403**  
**August 29, 2016**

**DISCOVERY A-15**

Please state any Contributions in Aid of Construction that the Borough has received associated with its wastewater assets.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

According to West York Borough's records, there have been no contributions toward the construction of the West York wastewater system, and the West York wastewater system has no outstanding PENNVEST loans.

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SECRETARY'S BUREAU

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August 29, 2016**

**DISCOVERY A-16**

Appendix A of the Application's Exhibit I does not fully describe or quantify the assets being acquired and suggests that lift stations may or may not be included in the acquisition. Please provide a complete list, by major plant category, of wastewater system assets being acquired. The list should fully describe the asset and identify the asset's size, quantity, and year of installation.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

The list, as provided by West York Borough, is attached.

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S OFFICE

**Discovery A-16 Attachment  
WEST YORK BOROUGH  
SANITARY SEWER SYSTEM**

INSTALL DATE	STREET NAME	NUMBER OF MANHOLES	MANHOLE # TO MANHOLE #	LINEAR FEET OF EACH PIPE SIZE (TERRA COTTA)				
				20" DIAMETER	18" DIAMETER	15" DIAMETER	12" DIAMETER	8" DIAMETER
Unknown	ALLEN TO ELEMENTARY SCHOOL	1	138-138A					185
Unknown	ANDREW STREET	2	76-76A					100
Unknown	DEWEY STREET	5	11-2					256
Unknown	DEWEY STREET		11-67	296				
Unknown	DEWEY STREET		67-70					255
Unknown	DEWEY STREET		70-74					257
Unknown	ELK ALLEY	1	109-111					400
Unknown	FILBERT STREET	11	186-185					238
Unknown	FILBERT STREET		185-184					282
Unknown	FILBERT STREET		184-183					288
Unknown	FILBERT STREET		183-182					278
Unknown	FILBERT STREET		182-181					236
Unknown	FILBERT STREET		181-180					266
Unknown	FILBERT STREET		180-179					297
Unknown	FILBERT STREET		179-177					258
Unknown	FILBERT STREET		177-175					292
Unknown	FILBERT STREET		175-174					284
Unknown	GIANT FOOD AREA		6	69-78		279		
Unknown	GIANT FOOD AREA	78-79			205			
Unknown	GIANT FOOD AREA	79-80			100			
Unknown	GIANT FOOD AREA	80-81			109			
Unknown	GIANT FOOD AREA	81-82			167			
Unknown	GIANT FOOD AREA	82-83			350			
Unknown	HERMAN STREET	2	61-62					196
Unknown	HERMAN STREET	1	5-5A					155
Unknown	HIGHLAND AVENUE	4	49-20					275
Unknown	HIGHLAND AVENUE		20-21					90
Unknown	HIGHLAND AVENUE		21-22					272
Unknown	HOKE STREET	1	16-9					150
Unknown	KING STREET		67-68					203
Unknown	KING STREET		67-66	370				
Unknown	KING STREET		66-66A					22

Discovery A-16  
Attachment

**Discovery A-16 Attachment  
WEST YORK BOROUGH  
SANITARY SEWER SYSTEM**

INSTALL DATE	STREET NAME	NUMBER OF MANHOLE	LINEAR FEET OF EACH PIPE SIZE (TERRA COTTA)					
			MANHOLE # TO MANHOLE#	20" DIAMETER	18" DIAMETER	15" DIAMETER	12" DIAMETER	8" DIAMETER
Unknown	KING STREET	10	66A-63				253	
Unknown	KING STREET		63-60				284	
Unknown	KING STREET		60-58				360	
Unknown	KING STREET		58-56				302	
Unknown	KING STREET		66A-65A					33
Unknown	KING STREET		65-64					187
Unknown	KING STREET		64-61					359
Unknown	KING STREET		61-59					360
Unknown	KING STREET		59-57					302
Unknown	KING STREET		6	46-50			233	
Unknown	KING STREET	50-52				195		
Unknown	KING STREET	52-54					216	
Unknown	KING STREET	54-56					193	
Unknown	KING STREET	49-51						222
Unknown	KING STREET	51--53						192
Unknown	KING STREET	53-55						207
Unknown	KING STREET	55-57						192
Unknown	LEONARD STREET	4	207-208					192
Unknown	LEONARD STREET		208-209					350
Unknown	LEONARD STREET		209-210					322
Unknown	MONROE STREET	9	93-94					250
Unknown	MONROE STREET		94-95					264
Unknown	MONROE STREET		95-108					260
Unknown	MONROE STREET		108-107					286
Unknown	MONROE STREET		107-114					242
Unknown	MONROE STREET		114-115					265
Unknown	MONROE STREET		115-116					355
Unknown	MONROE STREET		116-117					206
Unknown	MONROE STREET	117-120					222	
Unknown	NORTH ADAMS STREET	1	101-146					265
Unknown	NORTH ADAMS STREET		146-145					260
Unknown	NORTH CLINTON STREET	2	133-136					263

**Discovery A-16 Attachment  
WEST YORK BOROUGH  
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INSTALL DATE	STREET NAME	NUMBER OF MANHOLE	LINEAR FEET OF EACH PIPE SIZE (TERRA COTTA)					
			MANHOLE # TO MANHOLE#	20" DIAMETER	18"DIAMETER	15"DIAMETER	12"DIAMETER	8"DIAMETER
Unknown	NORTH CLINTON STREET	6	171-170					100
Unknown	NORTH CLINTON STREET		177-176					87
Unknown	NORTH CLINTON STREET		177-178					158
Unknown	NORTH CLINTON STREET		199-202					305
Unknown	NORTH CLINTON STREET		133-136					263
Unknown	NORTH CLINTON STREET		130-130A					76
Unknown	NORTH CLINTON STREET	2	130A-133					182
Unknown	NORTH CLINTON STREET		133-136					263
Unknown	NORTH CLINTON STREET		133-136					263
Unknown	NORTH CLINTON STREET		133-136					263
Unknown	NORTH DIAMOND STREET	0	174-201					316
Unknown	NORTH DIAMOND STREET		201-204					307
Unknown	NORTH DIAMOND STREET		204-207					277
Unknown	NORTH HIGHLAND AVENUE	2	157-156					147
Unknown	NORTH HIGHLAND AVENUE		157-158				50	
Unknown	NORTH HIGHLAND AVENUE		158-187				307	
Unknown	NORTH HIGHLAND AVENUE		187-186				40	
Unknown	NORTH HIGHLAND AVENUE		186-188				312	
Unknown	NORTH HIGHLAND AVENUE		188-189				286	
Unknown	NORTH HIGHLAND AVENUE		189-190				293	
Unknown	NORTH HIGHLAND AVENUE		148-149					270
Unknown	NORTH HIGHLAND AVENUE	2	149-150					165
Unknown	NORTH SEWARD STREET		143-164					182
Unknown	NORTH SEWARD STREET	4	164-163					168
Unknown	NORTH SEWARD STREET		182-182A					166
Unknown	NORTH SEWARD STREET		195-195A					165
Unknown	NORTH SEWARD STREET		104-142					252
Unknown	NORTH SEWARD STREET	1	142-143					271
Unknown	NORTH SUMNER STREET		139-166					180
Unknown	NORTH SUMNER STREET	3	166-167					169
Unknown	NORTH SUMNER STREET		167-168					152
Unknown	NORTH SUMNER STREET	1	126-140					260
Unknown	NORTH SUMNER STREET		139-140					265

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			MANHOLE # TO MANHOLE#	20" DIAMETER	18" DIAMETER	15" DIAMETER	12" DIAMETER	8" DIAMETER
Unknown	ORANGE STREET	11	188-192					260
Unknown	ORANGE STREET		192-193					260
Unknown	ORANGE STREET		193-194					290
Unknown	ORANGE STREET		194-195					275
Unknown	ORANGE STREET		195-196					252
Unknown	ORANGE STREET		196-197					255
Unknown	ORANGE STREET		197-198					255
Unknown	ORANGE STREET		198-199					306
Unknown	ORANGE STREET		199-200					291
Unknown	ORANGE STREET		200-201					279
Unknown	OVERBROOK	3	66-69	135				
Unknown	OVERBROOK		69-77					210
Unknown	PEARL STREET	3	86-151			265		
Unknown	PEARL STREET		151-153			257		
Unknown	PEARL STREET		153-154			295		
Unknown	POPLAR STREET	9	10-11	210				
Unknown	POPLAR STREET		11-12					344
Unknown	POPLAR STREET		12-13					268
Unknown	POPLAR STREET		13-14					267
Unknown	POPLAR STREET		14-15					345
Unknown	POPLAR STREET		15-16					333
Unknown	POPLAR STREET		16-17					195
Unknown	POPLAR STREET		17-18					202
Unknown	POPLAR STREET		18-19					244
Unknown	POPLAR STREET		19-20					174
Unknown	SOUTH ADAMS STREET	1	42-24					359
Unknown	SOUTH ADAMS STREET	2	98-97					251
Unknown	SOUTH ADAMS STREET		97-96					177
Unknown	SOUTH CLINTON STREET	2	117-121					248
Unknown	SOUTH CLINTON STREET		121-117					250
Unknown	SOUTH CLINTON STREET	3	129-121					261
Unknown	SOUTH CLINTON STREET		117-118					228

**Discovery A-16 Attachment  
WEST YORK BOROUGH  
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			LINEAR FEET OF EACH PIPE SIZE (TERRA COTTA)					
INSTALL DATE	STREET NAME	NUMBER OF MANHOLE	MANHOLE # TO MANHOLE#	20" DIAMETER	18" DIAMETER	15" DIAMETER	12" DIAMETER	8" DIAMETER
Unknown	SOUTH CLINTON STREET		118-119					111
Unknown	SOUTH HIGHLAND AVENUE	4	18-46					107
Unknown	SOUTH HIGHLAND AVENUE		90-91					251
Unknown	SOUTH HIGHLAND AVENUE		91-92					219
Unknown	SOUTH HIGHLAND AVENUE		92-93					54
Unknown	SOUTH SEWARD STREET	1	39-37					180
Unknown	SOUTH SEWARD STREET	3	105-106					296
Unknown	SOUTH SEWARD STREET		106-107					266
Unknown	SOUTH SEWARD STREET		107-109					195
Unknown	SOUTH SEWARD STREET		109-110					215
Unknown	SOUTH SUMNER STREET	2	34-29					160
Unknown	SOUTH SUMNER STREET		29-27					165
Unknown	SOUTH SUMNER STREET	3	125-122					358
Unknown	SOUTH SUMNER STREET		115-113					224
Unknown	SOUTH SUMNER STREET		113-112					163
Unknown	ST PAUL ALLEY	5	37-38					72
Unknown	ST PAUL ALLEY		29-30					220
Unknown	ST PAUL ALLEY		30-31					248
Unknown	STANTON STREET	12	158-159					263
Unknown	STANTON STREET		159-160					313
Unknown	STANTON STREET		160-161					252
Unknown	STANTON STREET		161-162					134
Unknown	STANTON STREET		162-163					165
Unknown	STANTON STREET		163-165					328
Unknown	STANTON STREET		165-167					175
Unknown	STANTON STREET		167-169					293
Unknown	STANTON STREET		169-171					285
Unknown	STANTON STREET		171-172					236
Unknown	STANTON STREET		172-173					246
Unknown	STANTON STREET	2	154-155				265	
Unknown	STANTON STREET		155-157				282	
Unknown	WEST KING STREET		47-45					352

**Discovery A-16 Attachment  
WEST YORK BOROUGH  
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			LINEAR FEET OF EACH PIPE SIZE (TERRA COTTA)					
INSTALL DATE	STREET NAME	NUMBER OF MANHOLE	MANHOLE # TO MANHOLE#	20" DIAMETER	18" DIAMETER	15" DIAMETER	12" DIAMETER	8" DIAMETER
Unknown	WEST KING STREET	11	45-42					373
Unknown	WEST KING STREET		42-40					317
Unknown	WEST KING STREET		40-39					323
Unknown	WEST KING STREET		46-44			376		
Unknown	WEST KING STREET		44-43			372		
Unknown	WEST KING STREET		43-41					317
Unknown	WEST KING STREET		41-36					323
Unknown	WEST KING STREET		36-35					117
Unknown	WEST KING STREET		35-34					268
Unknown	WEST KING STREET		34-33					260
Unknown	WEST KING STREET		33-32					263
Unknown	WEST KING STREET		39-36					26
Unknown	WEST KING STREET		45-44					26
Unknown	WEST MARKET STREET		6	74-71				
Unknown	WEST MARKET STREET	74-75						319
Unknown	WEST MARKET STREET	74-73						35
Unknown	WEST MARKET STREET	73-72						188
Unknown	WEST MARKET STREET	73-73A						92
Unknown	WEST MARKET STREET	73A-76						278
Unknown	WEST MARKET STREET	13	83-84			49		
Unknown	WEST MARKET STREET		84-86			423		
Unknown	WEST MARKET STREET		86-87					279
Unknown	WEST MARKET STREET		87-89					285
Unknown	WEST MARKET STREET		89-100					290
Unknown	WEST MARKET STREET		100-101					277
Unknown	WEST MARKET STREET		101-102					275
Unknown	WEST MARKET STREET		102-104					272
Unknown	WEST MARKET STREET		104-124					245
Unknown	WEST MARKET STREET		124-126					256
Unknown	WEST MARKET STREET		126-128					285
Unknown	WEST MARKET STREET	128-130					280	
Unknown	WEST MARKET STREET	130-131					331	

**Discovery A-16 Attachment  
WEST YORK BOROUGH  
SANITARY SEWER SYSTEM**

INSTALL DATE	STREET NAME	NUMBER OF MANHOLE	MANHOLE # TO MANHOLE#	LINEAR FEET OF EACH PIPE SIZE (TERRA COTTA)				
				20" DIAMETER	18" DIAMETER	15" DIAMETER	12" DIAMETER	8" DIAMETER
Unknown	WEST MARKET STREET	13	83-83A					222
Unknown	WEST MARKET STREET		83A-85					229
Unknown	WEST MARKET STREET		85-88					277
Unknown	WEST MARKET STREET		88-90					284
Unknown	WEST MARKET STREET		90-99					290
Unknown	WEST MARKET STREET		99-98					260
Unknown	WEST MARKET STREET		98-103					274
Unknown	WEST MARKET STREET		103-105					269
Unknown	WEST MARKET STREET		105-123					250
Unknown	WEST MARKET STREET		123-125					259
Unknown	WEST MARKET STREET		125-127					223
Unknown	WEST MARKET STREET		127-129					288
Unknown	WEST MARKET STREET		129-132					329
Unknown	WEST PHILADELPHIA STREET		2	134-135				
Unknown	WEST PHILADELPHIA STREET	135-136						193
Unknown	WEST PHILADELPHIA STREET	11	153-152					280
Unknown	WEST PHILADELPHIA STREET		152-148					286
Unknown	WEST PHILADELPHIA STREET		148-148					260
Unknown	WEST PHILADELPHIA STREET		147-146					286
Unknown	WEST PHILADELPHIA STREET		144-145					262
Unknown	WEST PHILADELPHIA STREET		143-144					246
Unknown	WEST PHILADELPHIA STREET		143-141					296
Unknown	WEST PHILADELPHIA STREET		141-139					257
Unknown	WEST PHILADELPHIA STREET		139-138					240
Unknown	WEST PHILADELPHIA STREET		138-137					123
Unknown	WEST PHILADELPHIA STREET		136-137					207
Unknown	WEST PHILADELPHIA STREET	136-135					195	
Unknown	WEST PHILADELPHIA STREET	135-134					235	
Unknown	WEST POPLAR TERRACE	4	21-23					313
Unknown	WEST POPLAR TERRACE		23-24					325
Unknown	WEST POPLAR TERRACE		24-25					318
Unknown	WEST POPLAR TERRACE		25-26					318

**Discovery A-16 Attachment  
WEST YORK BOROUGH  
SANITARY SEWER SYSTEM**

INSTALL DATE	STREET NAME	NUMBER OF MANHOLE	LINEAR FEET OF EACH PIPE SIZE (TERRA COTTA)					
			MANHOLE # TO MANHOLE	20" DIAMETER	18" DIAMETER	15" DIAMETER	12" DIAMETER	8" DIAMETER
Unknown	WEST POPLAR TERRACE	2	26-27					325
Unknown	WEST POPLAR TERRACE		27-28					204
Unknown	WEST PRINCESS STREET	7	2-1					206
Unknown	WEST PRINCESS STREET		2-3					342
Unknown	WEST PRINCESS STREET		3-4					281
Unknown	WEST PRINCESS STREET		4-5					257
Unknown	WEST PRINCESS STREET		5-6					234
Unknown	WEST PRINCESS STREET		6-7					227
Unknown	WEST PRINCESS STREET		7-8					220
Unknown	WORTH STREET	5	204-205					155
Unknown	WORTH STREET		205-206					332
Unknown	WORTH STREET		189-191					295
	<b>SUB TOTALS</b>	<b>227</b>		<b>1,011</b>	<b>1,210</b>	<b>2,465</b>	<b>3,443</b>	<b>48,809</b>

**TOTAL** **56,938**

**The York Water Company  
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Docket No. A-2016-2552403  
August 29, 2016**

**DISCOVERY A-17**

The map of major facilities to be acquired, provided as the Application's Exhibit F, is not legible; please provide a scalable copy with a key explaining the color coded overlay.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

A scalable map of major facilities to be acquired is attached as a revised Exhibit F.

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**DISCOVERY A-18**

Please state the Borough's definition of an Equivalent Dwelling Unit (EDU) and state how any discrepancies between the Borough's definition and York Water's definition of an EDU, as defined in York Water's effective tariff, will be handled.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

West York Borough is unable to provide a definition of an Equivalent Dwelling Unit. York Water's definition of an Equivalent Dwelling Unit (EDU) as defined in its PUC approved wastewater tariff will apply to the service area described in the Application. As a result, York Water is not aware of any need to "handle" discrepancies.

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August 29, 2016**

**DISCOVERY A-19**

Please state if an average customer using 4,393 gallons per month, as stated in the Application's Exhibit G, is currently charged for multiple EDUs by the Borough.

(e.g.  $\frac{4393 \text{ Gal/Month} \times 3 \text{ Months}}{350 \text{ Gal/Day} \times 30 \text{ Days}} = 1.255 \text{ EDUs}$ )

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

An average customer using 4,393 gallons per month is not charged for multiple EDUs by the Borough. As described in Exhibit G, West York Borough charges an average customer using 4,393 gallons per month a flat fee of \$78.50 per quarter.

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August 29, 2016**

**DISCOVERY A-20**

As stated in the Application, nearly 37% of the Borough's current customers sampled will see a slight decrease in rates; however the remaining 63% (the majority) of customers sampled will see an increase in the range of 3.2% for 4,000 gallons used to 49% for 10,000 gallons used. Commercial customers would see a minimum increase of approximately 14%. Please state how this complies with Section 9.1 of the agreement included in the Application as Exhibit I stating that York Water shall adopt the wastewater rates set by the Borough.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

West York Borough currently bills on a quarterly basis at a flat rate, independent of water consumption. In discussion with West York Borough Council, the Council favored a more equitable sewer fee that included a consumption component so that: (1) customers such as retired couples using 2,000 gallons per month did not pay the same as a large family using 7,000 gallons per month; and (2) customers would be encouraged to conserve water, because wastewater customers that consume more water will pay more for sewer service than those that use less water.. The proposed rates, billed on a monthly versus quarterly basis, take the Council's preference into consideration. In fact, York Water has shared the proposed rates with West York Borough and can represent that the Borough supports York Water's proposed rates as being compliant with Section 9.1 of the Agreement.

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**August 29, 2016**

**DISCOVERY A-21**

The Application states that York Water provides water service to 1,642 water customers in West York and that the Borough provides wastewater service to 1,667 customers within the same service area. Please state how the balance of customers receives water service and how they would be billed for wastewater service following the acquisition.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

The 1,642 water customers in West York Borough are active water customers of The York Water Company. At the time of the application there were 25 inactive water customers. The number of active and inactive water customers fluctuates day to day, week to week, and month to month based upon home sales, rental arrangements, applications for and terminations of water service. All dwelling units in West York Borough are served by York Water. Subject to an application for water service, customers will be billed for water and wastewater service in accordance with York Water's PUC approved water and wastewater tariffs.

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August 29, 2016**

**DISCOVERY A-23**

Please state the number of metered connections between the collection system of West York and the City of York's system.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

There is one metered connection between the collection system of West York and the City of York's collection system. There is a meter at this connection referred to as WY01 (West York 01).

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August 29, 2016**

**DISCOVERY A-24**

Please state and describe the location of the two meter vaults and meters proposed in paragraph 6 of the Application.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

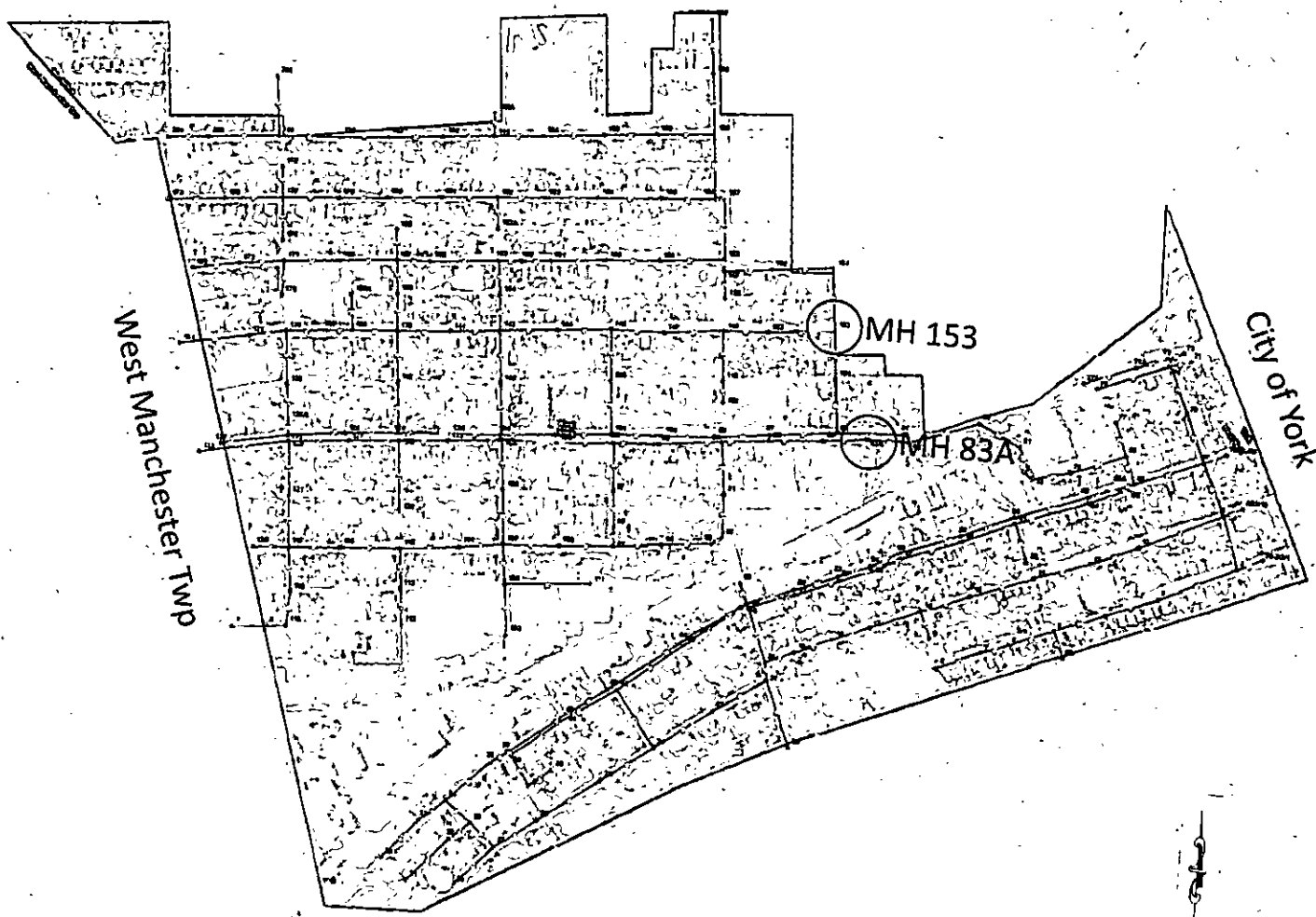
The current proposed locations for the two meter vaults and meters are in the vicinity of MH number 153 and MH number 83A as described in the attachment.

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Discovery A-24  
Attachment



Discovery A-24  
Attachment

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**The York Water Company**  
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**August 29, 2016**

**DISCOVERY A-25**

Please state why the installation of two meter vaults and meters by The York Water Company (York Water), as described in paragraph 6 of the Application, is necessary or proper when paragraph 3 of the "Articles of Agreement" between West York and the City of York, provided as the Application's Exhibit L, states that the City of York will install and maintain flow meters and charge the Municipality for associated costs.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

In reviewing the records for West York Borough, York Water has identified a significant inflow and infiltration (I&I) concern with the West York Borough wastewater collection system. In order to most efficiently and cost effectively establish an operations and maintenance and capital improvement program for the system, York Water will install meters to measure sewage flow at the two key nodes identified in Discovery A-24. This information will be correlated with precipitation measurements to allow York Water to assess the overall condition of the collection system and take steps to repair or replace elements of the collection system. York Water believes that these installations are absolutely necessary and proper for York Water to provide safe and reliable wastewater collection services in the applied for territory.

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August 29, 2016**

**DISCOVERY A-26**

Please provide the audit report which determines the actual cost for operation of York City's plant and presents the allocation of cost to the Borough as described in Section 8 of the "Articles of Agreement" between West York and the City of York, provided as the Application's Exhibit L.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

The most recent audit provided by West York Borough is attached and covers the years ended December 31, 2013 and December 31, 2012.

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**CITY OF YORK SEWER AUTHORITY**  
**(A Component Unit of the City of York, Pennsylvania)**

**ANNUAL FINANCIAL REPORT**

***Years Ended December 31, 2013 and 2012***

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PA PUBLIC UTILITY COMMISSION  
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*Certified Public Accountants and Business Consultants*

# **CITY OF YORK SEWER AUTHORITY**

**(A Component Unit of the City of York, Pennsylvania)**

**YEARS ENDED DECEMBER 31, 2013 AND 2012**

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### **Independent Auditors' Report**

### **Financial Statements:**

Statements of Net Position	1
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Statements of Cash Flows	3
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## ***Independent Auditors' Report***

To the Members of the Board  
City of York Sewer Authority  
York, Pennsylvania

We have audited the accompanying financial statements of the City of York Sewer Authority (a component unit of the City of York, Pennsylvania), which comprise the statements of net position as of December 31, 2013 and 2012, and the related statements of revenues, expenses and changes in net position and cash flows for the years then ended and the related notes to the financial statements.

### ***Management's Responsibility for the Financial Statements***

The City of York Sewer Authority's management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### ***Auditors' Responsibility***

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

To the Members of the Board  
City of York Sewer Authority  
York, Pennsylvania

***Opinion***

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the City of York Sewer Authority as of December 31, 2013 and 2012, and the changes in its financial position and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America (GAAP).

***Emphasis of Matter***

For the year ended December 31, 2013, the City of York Sewer Authority adopted new accounting guidance, implementing Governmental Accounting Standards Board Statement No. 65, *Items Previously Reported as Assets and Liabilities*. Our opinion is not modified with respect to this matter.

***Other Matters***

***Required Supplementary Information***

Management has omitted the management's discussion and analysis that accounting principles generally accepted in the United States of America require to be presented to supplement the basic financial statements. Such missing information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. Our opinion on the basic financial statements is not affected by this missing information.

Maille LLP

Oaks, Pennsylvania  
September 26, 2014

# CITY OF YORK SEWER AUTHORITY

(A Component Unit of the City of York, Pennsylvania)

## STATEMENTS OF NET POSITION

DECEMBER 31, 2013 AND 2012

	<u>2013</u>	<u>2012</u>
<b>Assets</b>		
Cash and cash equivalents	\$ 64,479	\$ 40,425
Restricted assets:		
Cash and cash equivalents	8,729,526	9,667,943
Investments	2,297,887	1,729,785
	<u>11,027,413</u>	<u>11,397,728</u>
Grants receivable	-	41,041
Net investment in direct financing lease	53,997,405	56,909,663
<b>Total Assets</b>	<u>65,089,297</u>	<u>68,388,857</u>
<b>Liabilities</b>		
Accounts payable	8,403	11,514
Obligation to construct	-	41,041
Liabilities payable from restricted assets:		
Accounts payable	35,230	131,235
Funds held on behalf of the City of York	6,521,205	6,523,809
Bonds payable:		
Due within one year	4,096,843	4,015,382
Due in more than one year	50,559,067	53,743,861
<b>Total Liabilities</b>	<u>61,220,748</u>	<u>64,466,842</u>
<b>Net Position</b>		
Restricted for:		
Debt service	1,299,353	1,884,888
Construction	3,171,625	2,857,796
Unrestricted	(602,429)	(820,669)
<b>Total Net Position</b>	<u>\$ 3,868,549</u>	<u>\$ 3,922,015</u>

See accompanying notes to basic financial statements.

# CITY OF YORK SEWER AUTHORITY

(A Component Unit of the City of York, Pennsylvania)

## STATEMENTS OF REVENUES, EXPENSES, AND CHANGES IN NET POSITION

YEARS ENDED DECEMBER 31, 2013 AND 2012

	<u>2013</u>	<u>2012</u>
<b>Operating Revenues:</b>		
Lease investment income	\$ 2,778,088	\$ 2,982,510
Total operating revenues	<u>2,778,088</u>	<u>2,982,510</u>
<b>Operating Expenses:</b>		
Interest expense	2,672,124	2,869,885
Professional services	19,793	22,725
Miscellaneous expense	7,940	5,797
Total operating expenses	<u>2,699,857</u>	<u>2,898,407</u>
Operating Income	<u>78,231</u>	<u>84,103</u>
<b>Non-Operating Revenues (Expenses):</b>		
Investment income	6,988	23,574
Miscellaneous income	24,469	-
Transfers to City of York	<u>(163,154)</u>	<u>(1,217,830)</u>
Total net non-operating expenses	<u>(131,697)</u>	<u>(1,194,256)</u>
Change in Net Position	(53,466)	(1,110,153)
<b>Net Position:</b>		
Beginning of year	<u>3,922,015</u>	<u>5,032,168</u>
End of year	<u>\$ 3,868,549</u>	<u>\$ 3,922,015</u>

See accompanying notes to basic financial statements.

# CITY OF YORK SEWER AUTHORITY

(A Component Unit of the City of York, Pennsylvania)

## STATEMENTS OF CASH FLOWS

YEARS ENDED DECEMBER 31, 2013 AND 2012

	2013	2012
<b>Cash Flows From Operating Activities:</b>		
Cash paid for administrative expenses	\$ (30,844)	\$ (24,277)
Net cash used in operating activities	(30,844)	(24,277)
<b>Cash Flows From Investing Activities:</b>		
Sales (purchases) of investment securities	(568,102)	418,104
Cash received from others	24,469	-
Interest received	6,988	23,668
Net cash provided by (used in) investing activities	(536,645)	441,772
<b>Cash Flows From Capital and Related Financing Activities:</b>		
Capital grants received	41,040	98,170
Transfers to City of York	(163,154)	(1,217,830)
Payments received on investment in direct financing lease	5,641,132	5,697,274
Proceeds to other municipalities for capital projects	-	(718,103)
Transfers from restricted investment accounts	163,154	1,217,830
Capital assets purchased	(253,589)	(3,761,510)
Principal paid on revenue bonds	(4,015,382)	(4,013,681)
Interest paid on revenue bonds	(1,760,075)	(1,761,561)
Net cash used in capital and related financing activities	(346,874)	(4,459,411)
<b>Net Decrease in Cash and Cash Equivalents</b>	(914,363)	(4,041,916)
<b>Cash and Cash Equivalents:</b>		
Beginning of year	9,708,368	13,750,284
End of year	\$ 8,794,005	\$ 9,708,368
<b>Reconciliation of Operating Income to Net Cash Used in Operating Activities:</b>		
Operating income	\$ 78,231	\$ 84,103
Adjustments to reconcile operating income to net cash used in operating activities:		
Interest expense	2,672,124	2,869,885
Lease investment income	(2,778,088)	(2,982,510)
Changes in assets and liabilities:		
Accounts payable	(3,111)	4,245
Total adjustments	(109,075)	(108,380)
Net cash used in operating activities	\$ (30,844)	\$ (24,277)
<b>Non-Cash Capital and Related Financing Activities:</b>		
Principal accretion of revenue bonds	\$ 912,049	\$ 1,108,324

See accompanying notes to basic financial statements.

# **CITY OF YORK SEWER AUTHORITY**

**(A Component Unit of the City of York, Pennsylvania)**

## **NOTES TO BASIC FINANCIAL STATEMENTS**

**YEARS ENDED DECEMBER 31, 2013 AND 2012**

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### **1. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES**

#### ***Purpose***

The City of York Sewer Authority (Authority) was incorporated November 27, 1950, under the provisions of the Municipality Authorities Act of 1945, as amended (Act), for all the purposes authorized by the Act and shall have and exercise all powers granted to such Authorities under the Act. Through December 31, 2013, its operations have been primarily to acquire, construct, improve, and lease sewer systems and sewage treatment works.

#### ***Reporting Entity***

The Authority is a component unit of the City of York (City) reporting entity. Criteria considered in making this determination include appointment of the Authority's Board, financial interdependence, and the Authority's potential to provide specific financial benefits to, or impose specific financial burdens on, the City.

The Authority's financial statements are blended with the City's sewer fund and accounted for within the sewer fund, an Enterprise Fund in the City's basic financial statements.

#### ***Basis of Presentation***

All activities of the Authority are accounted for within a single enterprise fund. Enterprise funds are used to account for activities similar to those found in the private sector where the determination of net income is necessary for sound financial administration. Costs of construction, debt reduction, and Authority administration are financed or recovered through lease rentals received from the City and income on investments held by the Authority.

Enterprise funds distinguish operating revenues and expenses from non-operating items. Operating revenues and expenses generally result from providing services and producing and delivering goods in connection with an enterprise fund's principal ongoing operations. The principal operating revenue of the Authority is lease rental income. Operating expenses include the interest expense of the debt and administrative expenses. All revenues and expenses not meeting this definition are reported as non-operating revenues and expenses.

**CITY OF YORK SEWER AUTHORITY**  
**(A Component Unit of the City of York, Pennsylvania)**

**NOTES TO BASIC FINANCIAL STATEMENTS**  
**YEARS ENDED DECEMBER 31, 2013 AND 2012**

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The accounting and financial reporting treatment applied to the Authority is determined by its measurement focus. The transactions of the Authority are accounted for on a flow of economic resources measurement focus. With this measurement focus, all assets and all liabilities associated with the operations are included on the statements of net position. Net position (i.e., total assets net of total liabilities) is segregated into "restricted for debt service and construction," and "unrestricted" components.

***Cash and Cash Equivalents***

For the purpose of the statements of cash flows, the Authority considers all highly liquid instruments with original maturities of three months or less to be cash equivalents.

***Investments***

In accordance with the terms of the trust indentures securing the bonded debt, monies of the Authority are accounted for by various funds, segregated for specific use and for the security of the bondholders and, except for the operating account which is directly maintained by the Authority, are maintained by an independent trustee.

***Restricted Assets***

Certain proceeds of revenue bonds, as well as certain resources set aside for their repayment, are classified as restricted assets on the statements of net position because their use is limited by applicable trust indentures or other agreements.

***Funds Held on Behalf of the City***

In accordance with the Lease, as referred to in Note 4, the City shall receive credits against minimum annual rentals for (1) net income of the Authority from its real property rentals, not part of the Sewer System, (2) excess funds from the debt service reserve funds, and (3) income from debt service funds, clearing funds, and sinking funds. The liability due to the City is comprised of the balance of unapplied credits as well as the balance of the debt service reserve fund as of December 31, 2013 and 2012.

***Accreted Interest***

Accreted interest represents the difference between the proceeds received from the Guaranteed Sewer Revenue Bonds – Series of 1990 and the maturity value. The accreted interest is recognized as interest expense and as part of the bonds outstanding, a liability, under the effective interest method.

**CITY OF YORK SEWER AUTHORITY**  
(A Component Unit of the City of York, Pennsylvania)

NOTES TO BASIC FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2013 AND 2012

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*Net Position*

Net position comprises the various net earnings from operating and non-operating revenues and expenses. Net position is classified in the following two components: restricted for debt service and construction; and unrestricted net position. Restricted for debt service and construction consists of net position for which constraints are placed thereon by external parties, such as lenders, grantors, contributors, laws, regulations, and enabling legislation, including self-imposed legal mandates, less any related liabilities. Unrestricted consists of all other net position not included in the above categories.

*Restricted Resources*

When both restricted and unrestricted resources are available for use, it is the Authority's policy to use restricted resources first, then unrestricted resources as they are needed.

*Transfers to City of York*

Transfers to the City of York represent capital expenditures incurred by the Authority for the year to improve the City-owned sewer infrastructure.

*Transfers from City of York*

Transfers from the City of York represent funds contributed from the City of York's Sewer Transportation Fund, Intermunicipal Sewer Fund, and other transfers for the purpose of funding capital projects and debt service.

*Use of Estimates*

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

*Risk Management*

The Authority is exposed to various risks of loss related to torts; theft of, damage to, and destruction of assets; errors and omissions; injuries to employees; and natural disasters.

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# CITY OF YORK SEWER AUTHORITY

(A Component Unit of the City of York, Pennsylvania)

## NOTES TO BASIC FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2013 AND 2012

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The Authority purchases commercial insurance for all risks of loss. Settled claims have not exceeded this commercial coverage in any of the past three fiscal years.

### *Pending Changes in Accounting Principles*

In April 2013, Governmental Accounting Standards Board (GASB) issued Statement No. 70, "Accounting and Financial Reporting for Nonexchange Financial Guarantees." Statement No. 70 improves accounting and financial reporting by governments that extend and receive nonexchange financial guarantees. The provisions of this Statement are effective for the Authority's December 31, 2014 financial statements. The effect of implementation of this Statement has not yet been determined.

## 2. DEPOSITS AND INVESTMENTS

The Act provides for investment of public funds in certain authorized investment types including U.S. Treasury bills, other short-term U.S. and Pennsylvania government obligations, and insured or collateralized time deposits and certificates of deposit. The Act also allows investment of funds received as a result of debt issuance in any security in which the Commonwealth of Pennsylvania may invest.

The deposit and investment policy of the Authority adheres to state statutes, prudent business practices, and the applicable trust indentures. The Authority deposits cash in local financial institutions.

### Deposits

As of December 31, 2013, the Authority's deposit balance was as follows:

Money market funds - presented as cash and cash equivalents	\$ 8,729,526
Cash and cash equivalents	64,479
	<u>\$ 8,794,005</u>
Reconciliation to Statement of Net Position:	
Unrestricted cash and cash equivalents	\$ 64,479
Restricted cash and cash equivalents	8,729,526
	<u>\$ 8,794,005</u>

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**CITY OF YORK SEWER AUTHORITY**  
**(A Component Unit of the City of York, Pennsylvania)**

**NOTES TO BASIC FINANCIAL STATEMENTS**

YEARS ENDED DECEMBER 31, 2013 AND 2012

*Custodial Credit Risk* - Custodial credit risk is the risk that in the event of a bank failure, the government's deposits may not be returned to it. The Authority does not have a deposit policy for custodial credit risk. As of December 31, 2013, the Authority's deposit book and bank balance was \$64,479. The full balance of \$64,479 was covered by federal depository insurance. The remaining balance of \$8,729,526 was invested in money market funds, and is presented as cash and cash equivalents on the statement of net position. These funds are described in further detail below.

Investments

The fair value of the investments of the Authority at December 31, 2013 was as follows:

Investments	Fair Value
Money market funds	\$ 8,729,526
U.S. Government obligations	2,297,887
	\$ 11,027,413
 Reconciliation to Statement of Net Position:	
Money market funds - presented as cash and cash equivalents	\$ 8,729,526
Restricted investments	2,297,887
	\$ 11,027,413

*Custodial credit risk* - Custodial credit risk is the risk that the counterparty to an investment transaction will fail and the government will not recover the value of the investment or collateral securities that are in possession of an outside party. The Authority does not have an investment policy for custodial credit risk. All investments of the Authority are held by the financial institution, not in the Authority's name.

The Authority's U.S. Government obligations include U.S. Treasury principal-only STRIPS. These particular STRIPS have little credit and legal risk, while the market risk is significant, as principal-only STRIPS are more sensitive to fluctuations in interest rates than other traditional investments. The carrying amount of the STRIPS at December 31, 2013 was \$1,297,905 and is reported as restricted investments in the statement of net position.

# CITY OF YORK SEWER AUTHORITY

(A Component Unit of the City of York, Pennsylvania)

## NOTES TO BASIC FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2013 AND 2012

*Concentration of credit risk* – The Authority places no limit on the amount the Authority may invest in any one issuer. At December 31, 2013, no issuer held more than 5% of the Authority's investments.

*Credit risk* – The Authority does not have a formal policy that would limit its investment choices with regard to credit risk. The Authority's investments had the following level of exposure to credit risk as of December 31, 2013:

	<u>Fair Value</u>	<u>Rating</u>
Money market funds	\$ 8,729,526	AAA

*Interest rate risk* – The Authority does not have a formal policy that limits investment maturities as a means of managing its exposure to fair value losses arising from increasing interest rates. The following is a list of the Authority's investments and their related average maturities:

	<u>Fair Value</u>	<u>Investment Maturities</u>	
		<u>2014</u>	<u>2015-2019</u>
Money market funds	\$ 8,729,526	\$ 8,729,526	\$ -
U.S. Government obligations	2,297,887	1,435,622	862,265
Total	<u>\$ 11,027,413</u>	<u>\$ 10,165,148</u>	<u>\$ 862,265</u>

**CITY OF YORK SEWER AUTHORITY**  
**(A Component Unit of the City of York, Pennsylvania)**

**NOTES TO BASIC FINANCIAL STATEMENTS**

YEARS ENDED DECEMBER 31, 2013 AND 2012

**3. BONDS PAYABLE**

The Authority has issued revenue bonds to finance various projects and refundings. A schedule of the Authority's bonds follows:

	Issue Amount	Maturity	Interest Rate	Purpose
Guaranteed Sewer Revenue Bonds - Series of 1990	\$69,775,000	2016	0%	Refund a portion of the revenue bonds, Series of 1987. Upgrade Sewage Treatment System.
Guaranteed Sewer Revenue Bonds - Series of 2008	\$10,000,000	2025	3.75%	To: 1) finance capitalized interest; 2) fund a deposit to the debt service reserve fund; 3) plan, design, and construction of additions, improvements, renovations, and extraordinary repairs to the various buildings and facilities of the Authority; 4) pay the costs and expenses related to the issuance of Bonds.
Guaranteed Sewer Revenue Bonds - Series of 2010	\$22,745,000	2027	4.5-5.00%	To: 1) finance projects of the Authority; 2) fund a deposit to the debt service reserve fund; 3) capitalize interest on the Bonds through December 1, 2010; 4) pay the costs and expenses related to the issuance of the Bonds.
Guaranteed Sewer Revenue Bonds - Series A of 2010	\$10,540,000	2019	2.5-4%	To: 1) currently refund the Guaranteed Sewer Revenue Bonds, Series of 2007; 2) fund a debt service reserve fund; 3) pay the costs and expenses related to the issuance of the Bonds.
Guaranteed Sewer Revenue Bonds - Series of 2011	\$1,500,000	2021	1.00%	For utilization, development, and construction of alternative and lean energy projects.

**CITY OF YORK SEWER AUTHORITY**  
**(A Component Unit of the City of York, Pennsylvania)**

**NOTES TO BASIC FINANCIAL STATEMENTS**

**YEARS ENDED DECEMBER 31, 2013 AND 2012**

Long-term liability activity for the year ended December 31, 2013 was as follows:

	Beginning of Year	Additions	Retirements	Accretion	End of Year	Current Portion
Revenue Bonds	\$ 57,759,243	\$ -	\$ (4,015,382)	\$ 912,049	\$ 54,655,910	\$ 4,096,843

Long-term liability activity for the year ended December 31, 2012 was as follows:

	Beginning of Year	Additions	Retirements	Accretion	End of Year	Current Portion
Revenue Bonds	\$ 60,664,600	\$ -	\$ (4,013,681)	\$ 1,108,324	\$ 57,759,243	\$ 4,015,382

The following table presents annual principal and interest payments for the Guaranteed Sewer Revenue Bonds – Series of 1990, capital appreciation bonds, at December 31, 2013:

Years Ending December 31,	
2014	\$ 3,875,000
2015	3,875,000
2016	3,870,000
Total principal and interest	11,620,000
Less interest	(1,413,308)
	<u>\$ 10,206,692</u>

# CITY OF YORK SEWER AUTHORITY

(A Component Unit of the City of York, Pennsylvania)

## NOTES TO BASIC FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2013 AND 2012

The following table presents annual principal and interest payments for the Guaranteed Sewer Revenue Bonds – Series of 2008 at December 31, 2013:

<u>Years Ending December 31,</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2014	\$ -	\$ 375,000	\$ 375,000
2015	-	375,000	375,000
2016	-	375,000	375,000
2017	-	375,000	375,000
2018	-	375,000	375,000
2019 to 2023	4,220,000	1,858,312	6,078,312
2024 to 2025	5,780,000	286,312	6,066,312
	<u>\$ 10,000,000</u>	<u>\$ 4,019,624</u>	<u>\$ 14,019,624</u>

The following table presents annual principal and interest payments for the Guaranteed Sewer Revenue Bonds – Series of 2010 at December 31, 2013:

<u>Years Ending December 31,</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2014	\$ -	\$ 1,065,119	\$ 1,065,119
2015	-	1,065,119	1,065,119
2016	-	1,065,119	1,065,119
2017	-	1,065,119	1,065,119
2018	-	1,065,119	1,065,119
2019 to 2023	6,500,000	5,214,094	11,714,094
2024 to 2027	16,245,000	1,718,080	17,963,080
	<u>\$ 22,745,000</u>	<u>\$ 12,257,769</u>	<u>\$ 35,002,769</u>

# CITY OF YORK SEWER AUTHORITY

(A Component Unit of the City of York, Pennsylvania)

## NOTES TO BASIC FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2013 AND 2012

The following table presents annual principal and interest payments for the Guaranteed Sewer Revenue Bonds – Series A of 2010 at December 31, 2013:

<u>Years Ending December 31,</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2014	\$ 75,000	\$ 307,525	\$ 382,525
2015	115,000	304,900	419,900
2016	120,000	300,875	420,875
2017	3,460,000	297,275	3,757,275
2018	3,555,000	205,775	3,760,775
2019	3,215,000	96,450	3,311,450
	<u>\$ 10,540,000</u>	<u>\$ 1,512,800</u>	<u>\$ 12,052,800</u>

The following table presents annual principal and interest payments for the Guaranteed Sewer Revenue Bonds – Series of 2011 at December 31, 2013:

<u>Years Ending December 31,</u>	<u>Principal</u>	<u>Interest</u>	<u>Total</u>
2014	\$ 146,843	\$ 10,970	\$ 157,813
2015	148,318	9,495	157,813
2016	149,808	8,005	157,813
2017	151,313	6,500	157,813
2018	152,833	4,980	157,813
2019 to 2021	415,103	5,733	420,836
	<u>\$ 1,164,218</u>	<u>\$ 45,683</u>	<u>\$ 1,209,901</u>

#### 4. LEASES AND RELATED PARTY TRANSACTIONS

In 1987, the Authority entered into a 30-year direct financing lease with the City for the sewer system. The sewer system and related assets are, therefore, not reflected in the accompanying financial statements. Under this lease, the City is required to pay the Authority semiannual installments on May 15 and November 15 of each year, an amount equal to one hundred five percent (105%) of the principal, interest, and all other amounts due under the 1987 Bond Indenture. The installment payments may be reduced in certain instances.

# **CITY OF YORK SEWER AUTHORITY**

**(A Component Unit of the City of York, Pennsylvania)**

## **NOTES TO BASIC FINANCIAL STATEMENTS**

**YEARS ENDED DECEMBER 31, 2013 AND 2012**

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In July 2008, the Authority issued Guaranteed Sewer Revenue Bonds, Series of 2008, in the principal amount of \$10,000,000. The Bonds initially bore interest at an annual rate of 4.04%, with semi-annual payments of interest commencing on December 1, 2008. Annual payments of principal were to commence on June 1, 2019, with a final payment on December 1, 2022. In March 2011, the Authority approved a modification agreement for the Guaranteed Sewer Revenue Bonds, Series of 2008, which changed the interest rate to 3.75% and extended the final payment to December 1, 2025. The purpose of the Bonds is described in Note 3. Under this lease, the City is required to pay the Authority an amount equal to one hundred five percent (105%) of the principal, interest, and all other amounts due under the Fourth Supplemental Lease of the 1987 Bond Indenture.

In April 2010, the Authority issued Guaranteed Sewer Revenue Bonds, Series of 2010, in the principal amount of \$22,745,000. Semi-annual payments of interest commenced on December 1, 2010. Annual payments of principal are to commence on December 1, 2022, with a final payment on December 1, 2027. The purpose of the Bonds is described in Note 3. Under this lease, the City is required to pay the Authority an amount equal to one hundred five percent (105%) of the principal, interest, and all other amounts due under the Fifth Supplemental Lease of the 1987 Bond Indenture.

In August 2010, the Authority issued Guaranteed Sewer Revenue Bonds, Series A of 2010, in the principal amount of \$10,540,000. Semi-annual payments of interest commenced on December 1, 2010. Annual payments of principal are to commence on December 1, 2014, with a final payment on December 1, 2019. The purpose of the Bonds is described in Note 3. Under this lease, the City is required to pay the Authority an amount equal to one hundred five percent (105%) of the principal, interest, and all other amounts due under the Sixth Supplemental Lease of the 1987 Bond Indenture.

In March 2011, the Authority issued Guaranteed Sewer Revenue Bonds, Series of 2011, in the principal amount of \$1,500,000. Monthly payments of principal and interest commenced on September 1, 2011, with a final payment on August 1, 2021. The purpose of the Bonds is described in Note 3. Under this lease, the City is required to pay the Authority an amount equal to one hundred five percent (105%) of the principal, interest, and all other amounts due under the Seventh Supplemental Lease of the 1987 Bond Indenture.

# CITY OF YORK SEWER AUTHORITY

(A Component Unit of the City of York, Pennsylvania)

## NOTES TO BASIC FINANCIAL STATEMENTS

YEARS ENDED DECEMBER 31, 2013 AND 2012

The following is a schedule of future minimum lease payments under the lease agreements and all supplements as of December 31, 2013:

<u>Years Ending December 31,</u>	<u>Amount</u>
2014	\$ 5,706,980
2015	5,751,474
2016	5,747,247
2017	5,622,967
2018	5,626,642
2019 to 2023	22,600,928
2024 to 2027	<u>25,230,864</u>
Total minimum lease receivable	76,287,102
Less unearned interest	<u>(22,289,697)</u>
Net investment in direct financing lease receivable	<u>\$ 53,997,405</u>

### 5. ECONOMIC DEFEASANCE OF GUARANTEED SEWER REVENUE BONDS AND LEASE RESTRUCTURING

On July 15, 1998, the Authority entered into an escrow deposit agreement for partial defeasance of the 1990 York City Sewer Authority Bonds. \$5,000,000 was deposited into this escrow from grant money received for reimbursement of capital improvements made by the Authority. This transaction is not considered a legal defeasance. Therefore, the bonds and restricted investments are recorded in the financial statements.

### 6. COMMITMENTS AND CONTINGENCIES

Under the terms of federal and state grants, periodic audits are required and certain costs may be questioned as not being appropriate expenditures under the terms of the grants. Such audits could lead to reimbursement to the grantor agencies. Authority management believes disallowances, if any, will be immaterial.

**The York Water Company**  
**Responses to Bureau of Technical Utility Services, Water/Wastewater Division**  
**Data Request 1**  
**Application of The York Water Company – West York Borough**  
**West York Borough, York County**  
**Docket No. A-2016-2552403**  
**August 29, 2016**

**DISCOVERY A-27**

Section 8-A of the "Articles of Agreement" between West York and the City of York, provided as the Application's Exhibit L describes a service charge to be assessed from the Municipality. The revenues from this service charge are to be placed in an account to be used toward the cost of maintenance, repair and replacement of the existing interceptor system. Please state how this charge will be recorded in York Water's system of accounts.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

The service charge will be recorded in York Water's system of accounts as a contractual services expense for treatment and disposal maintenance.

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SECRETARY'S BUREAU

**The York Water Company  
Responses to Bureau of Technical Utility Services, Water/Wastewater Division  
Data Request 1  
Application of The York Water Company – West York Borough  
West York Borough, York County  
Docket No. A-2016-2552403  
August 29, 2016**

**DISCOVERY A-28**

Please provide Exhibit C as referenced in Section 8-A of the "Articles of Agreement" between West York and the City of York, provided as the Application's Exhibit L.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

Exhibit C as referenced in Section 8-A of the "Articles of Agreement" between West York and City of York is attached. The attachment is not of superb quality but identifies the Codorus Creek, location of the City of York Wastewater Treatment Plant, and the interceptor that carries West York Borough and other connected municipality sanitary waste to the City of York Wastewater Treatment Plant.

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AUG 29 2016

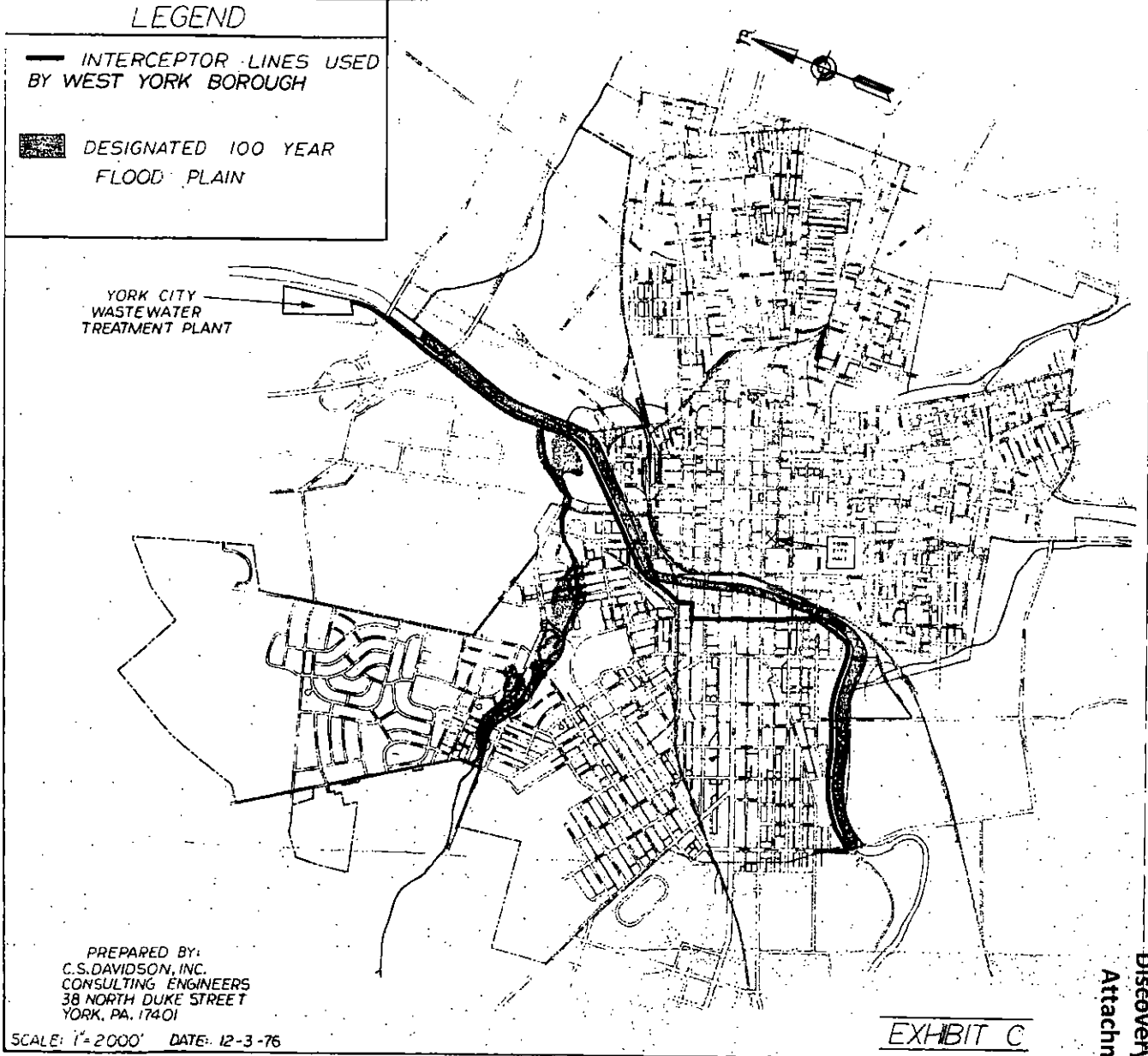
PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**LEGEND**

— INTERCEPTOR LINES USED BY WEST YORK BOROUGH

■ DESIGNATED 100 YEAR FLOOD PLAIN

YORK CITY WASTE WATER TREATMENT PLANT



PREPARED BY:  
 C.S. DAVIDSON, INC.  
 CONSULTING ENGINEERS  
 38 NORTH DUKE STREET  
 YORK, PA. 17401

SCALE: 1" = 2000' DATE: 12-3-76

EXHIBIT C

Discovery A-28  
 Attachment

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PA PUBLIC UTILITY COMMISSION  
 SECRETARY'S BUREAU

**The York Water Company  
Responses to Bureau of Technical Utility Services, Water/Wastewater Division  
Data Request 1  
Application of The York Water Company – West York Borough  
West York Borough, York County  
Docket No. A-2016-2552403  
August 29, 2016**

**DISCOVERY A-29**

Please state the effective date of the agreement between the Borough and the City of York as defined on page 22 paragraph 24 of the Applications Exhibit L.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

West York Borough is unable to provide documentation establishing the effective date of the Agreement between the Borough and the City of York.

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**The York Water Company  
Responses to Bureau of Technical Utility Services, Water/Wastewater Division  
Data Request 1  
Application of The York Water Company – West York Borough  
West York Borough, York County  
Docket No. A-2016-2552403  
August 29, 2016**

**DISCOVERY A-30**

On page 24 of the Application's Exhibit L, a term of 32 years for repayment of the original cost to upgrade the plant is described. This 32 year term appears to have expired. Please state why a "Debt Service" charge is still being charged to the Borough.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

The York City Sewer Authority has incurred additional debt obligations since the Agreement was signed in 1976, most recently to fund City of York Wastewater Treatment Plant improvements to comply with DEP NPDES permit conditions in response to the Chesapeake Bay Strategy, Total Maximum Daily Loads (TMDL) and nutrient discharge reductions for point sources such as wastewater treatment plants. The issuance of additional bonds is contemplated under Paragraph 12 of the Agreement included as Exhibit L.

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**The York Water Company  
Responses to Bureau of Technical Utility Services, Water/Wastewater Division  
Data Request 1  
Application of The York Water Company – West York Borough  
West York Borough, York County  
Docket No. A-2016-2552403  
August 29, 2016**

**DISCOVERY A-31**

Please state if the Borough is current with all payments to the City of York for charges associated with the Agreement provided as Exhibit L.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

The Borough is current with all payments to the City of York for charges associated with the Agreement provided as Exhibit L.

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PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**The York Water Company  
Responses to Bureau of Technical Utility Services, Water/Wastewater Division  
Data Request 1  
Application of The York Water Company – West York Borough  
West York Borough, York County  
Docket No. A-2016-2552403  
August 29, 2016**

**DISCOVERY A-36**

The letter submitted as Exhibit O in the Application does not adequately bind York Water to the Agreement known as the 1976 Agreement submitted as Exhibit Lin the Application. Please provide an addendum or supplement to the original Agreement, or an additional document signed and notarized by authorized individuals for the Borough, York Water, and the City of York.

**RESPONDENT:**

Joseph T. Hand  
Chief Operating Officer

**RESPONSE:**

York Water respectfully disagrees that the letter submitted as Exhibit O does not adequately bind York Water to the 1976 Agreement. The letter was sent and signed by the Assistant Solicitor for the City of York and states that "York Water Company will succeed West York Borough as a party to the 1976 Agreement between the City of York and West York Borough and shall be subject to all of the obligations and shall be entitled to receive all of the rights and benefits of the 1976 Agreement." Moreover, Paragraph 21 of the 1976 Agreement provides that if West York Borough transfers "its sewerage system to any other agency or municipality by deed, lease or otherwise, then Municipality shall assign this Agreement to such agency or municipality, and upon such assignment, then assignee shall be subject to all of the obligations and shall be entitled to receive all of the rights and benefits of this Agreement." Therefore, as a necessary part of York Water's acquisition of West York Borough's wastewater assets, York Water will succeed West York Borough as a party to the Agreement. In addition, pursuant to Paragraph 4.4 of the Agreement of Wastewater Collection System Sale (Exhibit I to the Application), West York Borough has agreed to assign the 1976 Agreement (Exhibit O) to York Water.

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AUG 29 2016

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU

**The York Water Company**

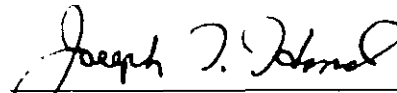
**IN THE MATTER OF THE APPLICATION OF THE YORK WATER COMPANY (WASTEWATER), Under Sections 1102(a)(1) and 1102(a)(3) of the Public Utility Code, for approval of the right of The York Water Company - Wastewater to (1) acquire certain public wastewater facilities from the West York Borough, and (2) begin to offer or furnish wastewater service to the public in West York Borough, York County, Pennsylvania. Docket Number: A-2016-2552403.**

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**VERIFICATION**

I, Joseph T. Hand, hereby state that the facts set forth in responses A-1 through A-4, A-6 through A-21, A-23 through A-31, and A-36 are true and correct to the best of my knowledge, information and belief and that I expect to be able to prove the same at a hearing held in this matter. I understand that the statements herein are made subject to the penalties of 18 Pa. C.S. § 4904 (relating to unsworn falsification to authorities).

Date: August 29, 2016

  
\_\_\_\_\_  
Joseph T. Hand  
Chief Operating Officer  
The York Water Company

Application of The York Water Company (Wastewater),

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AUG 29 2016

PA PUBLIC UTILITY COMMISSION  
SECRETARY'S BUREAU