

**Application of Pennsylvania-American Water Company for the Acquisition
of the Wastewater Collection and Treatment System Owned by the York City Sewer
Authority (the “Authority”) and Operated by the City of York (the “City”)
(collectively “York”)**

**66 Pa. C.S. § 1329
Application Filing Checklist – Water/Wastewater
Docket No. A-2021-3024681**

20. Proof of Compliance. Provide proof of compliance with applicable design, construction and operation standards of DEP or of the county health department, or both, including:
- b. For **wastewater** system acquisitions, provide copies of the water quality management and National Pollution Discharge Elimination System (NPDES) permits for the utility plant.

RESPONSE:

- b. Attached is a list of all permits provided by the City of York. These permits are attached as **Appendix A-20-b**. Additional wastewater permits may be identified going forward. Copies of any additional wastewater permits located will be provided.

Permit Number	Facility	Date
6769412	Sanitary Sewer Extension	Permit issued December 30, 1969
6771414	Sanitary Sewer Extension	Permit issued June 28, 1971
6771424	Sanitary Sewer Extension Service to 120-unit townhome development near Pennsylvania Avenue and Route 30 bypass	Permit issued April 7, 1972
6773413	Sanitary Sewers Separation combined sewer in portion of the City of York	Permit issued September 25, 1973
6773407	Addition of Activated Carbon Units for Advanced Waste Treatment	Permit issued July 17, 1974
6778413	Willis Run Interceptor	Permit issued November 28, 1978
6778417	Sewer extension with one pump station	Permit issued January 29, 1979

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6779406	Sewer extension Colony Park between MH30 and MH24	Permit issued March 29, 1979
6780404	Interceptor Sewer Prospect Avenue Relief Sewer	Permit issued May 14, 1980
PAG-08-3501	Beneficial Utilization of Sewage Sludge Manchester Township, York County	Permit Issued August 8, 2017
6705013	Air Quality Permit – Synthetic - State only	Permit Issued January 27, 2016
PAC670168	General Permit for Discharge of Stormwater Associated with YCSA Manchester Interceptor	Permit Issued July 13, 2018
PA0026263	Permit to Discharge from York City WWTP to Watershed 7-H	Permit Issued August 3, 2017
6709402	Upgrade existing Treatment Plant to meet proposed nutrient limits in Part I NPDES permit issued January 9, 2009 (from 18 mgd capacity to 26 mgd capacity)	Permit Issued November 2, 2009
6709402 (Amendment 09- 01)	Installation of the Ostrara process to reduce nutrient levels in Centrifuge centrate.	Permit amended January 26, 2010
6709402 (Amendment 4)	Replacement of existing shallow bed sand filters with OptiFiber PA2-13 cloth media filters. Four 70’ long filters (8 filter units per long filter) and one backwash pump.	Permit amended October 24, 2019
6796408	Construction of 8-inch and 12-inch diameter mains to 18-inch diameter meter to eliminate flow restrictions	Permit issued September 26, 1995
6717409	Replacement of existing interceptor between MH 8 and headworks of York STP with new, realigned 36” pipe.	Permit issued January 18, 2018
6708401	Construction of gravity belt thickener solids handling system.	Application date December 19, 2007
6785418 (Amendment 02-1)	Modifications to Train 2 Disinfection system – Installation of new sodium hypochlorite disinfection system.	Permit amended April 30, 2002

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6785418 (Amendment 99-1)	Increase peak instantaneous pumping capacity, install new force main, increase UV disinfection system capacity.	Permit amended February 2, 2000
6700404	Replacement of Roosevelt Avenue Interceptor	Permit issued May 18, 2000
6784419	Upper Codorus Creek Interceptor Modifications	Permit issued October 28, 1985
6784419 (Amendment 93-3)	Upper Codorus Creek Interceptor Modifications	Permit amended August 3, 1993
6795410	Upgrade of Edgar Street Bypass Sewer	Permit issued November 21, 1995
Storage Tank Registration/Permit Certificate		Permit expiration June 4, 2022

Notes:

- The City of York has provided copies of Amendment Nos. 99-1 and 02-1 to WQMP No. 6785418. A copy of the original 1986 WQMP No. 6785418 could not be located.
- DEP’s Clean Water Program Permit Section, South Central Region Office performed an extensive microfiche permit search and only located the first permit page for permit numbers 6769412, 6771414, 6771424, 6773413, 6773407, 6778413, 6778417, 6779406, and 6780404 note printed as provided by microfiche.

Permit 6769412

HSE-6120

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF HEALTH
SANITARY ENGINEERING

SANITARY WATER BOARD PERMIT

NO. 6769412

A. PERMITTEE: (Name and Address) City of York City Hall York, Pennsylvania 17405		B. PROJECT LOCATION <u>683353</u> Municipality <u>York</u> County <u>York</u>	
C. TYPE OF FACILITY Sanitary Sewer Extension		D. NAME OF MINE OR AREA SERVED	
E. THIS PERMIT APPROVES:			
1. Plans For Construction Of: a. <input checked="" type="checkbox"/> Pump Stations; Sewers and Appurtenances b. <input type="checkbox"/> Sewage Treatment Facilities c. <input type="checkbox"/> Industrial Wastes Treatment Facilities		2. The Discharge Of: a. <input type="checkbox"/> Treated <input type="checkbox"/> Untreated b. <input type="checkbox"/> Industrial Wastes <input type="checkbox"/> Sewage <u>York City Sewage Treatment Plant to Codorus Creek</u> (Receiving Waters)	
		3. The Operation Of: a. <input type="checkbox"/> A Coal Mine Maximum surface area to be affected shall not exceed _____ acres. (Surface Mines) Maximum area to be deep mined _____ acres.	

F. YOU ARE HEREBY AUTHORIZED TO CONSTRUCT, OPERATE OR DISCHARGE, AS INDICATED ABOVE, PROVIDED THAT YOU COMPLY WITH THE FOLLOWING:

- ALL REPRESENTATIONS REGARDING OPERATION, CONSTRUCTION, MAINTENANCE AND CLOSING PROCEDURES AS WELL AS ALL OTHER MATTERS SET FORTH IN YOUR APPLICATION AND ITS SUPPORTING DOCUMENTS (APPLICATION NO. 6769412 DATED 5/1/69, AND AMENDMENTS DATED _____) SUCH APPLICATION, ITS SUPPORTING DOCUMENTS AND AMENDMENTS ARE HEREBY MADE A PART OF THIS PERMIT.
- CONDITIONS NUMBERED 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 15, and 17 OF THE Sewerage STANDARD CONDITIONS DATED 11/1/62, WHICH CONDITIONS ARE ATTACHED HERETO AND ARE MADE A PART OF THIS PERMIT.
- SPECIAL CONDITION(S) NUMBERED _____ WHICH ARE ATTACHED HERETO AND ARE MADE A PART OF THIS PERMIT.

G. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

- IF THERE IS A CONFLICT BETWEEN THE APPLICATION OR ITS SUPPORTING DOCUMENTS AND AMENDMENTS AND THE STANDARD OR SPECIAL CONDITIONS, THE STANDARD OR SPECIAL CONDITIONS SHALL APPLY.
- FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF THE SANITARY WATER BOARD OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.
- THIS PERMIT IS ISSUED PURSUANT TO THE CLEAN STREAMS LAW, THE ACT OF JUNE 22, 1937, P.L. 1987, AS AMENDED. ISSUANCE OF THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY RESPONSIBILITY UNDER ANY OTHER LAW.

PERMIT ISSUED
December 30, 1969
DATE _____

DEPARTMENT OF HEALTH
BY Elvin F. Hoover
Regional Sanitary Engineer

WQM Permit 6771414

663333

DEPARTMENT OF ENVIRONMENTAL RESOURCES
29 Chestnut Street
Lewistown, Pennsylvania 17044

June 28, 1971

CERTIFIED MAIL

Sewerage
York
York County

Mr. Elgin G. Radcliff, Director
Department of Public Works
City of York
50 West King Street
York, Pennsylvania 17405

SUBJECT: Sewerage Permit No. 6771414

Dear Mr. Radcliff:

Subject permit is enclosed.

Please study the permit carefully and direct any questions
to the Facilities Section of this office.

Very truly yours,

Elvin F. Hoover, P. E.
Regional Sanitary Engineer

EFH:jld
Enclosures - Permit
Standard Conditions

19710 120 REV. 1.71

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

663331

WATER QUALITY MANAGEMENT PERMIT

NO. 677414

A. PERMITTEE (Name and Address): City of York 50 West King Street York, Pennsylvania 17405		B. PROJECT LOCATION Municipality <u>York</u> County <u>York</u>	
C. TYPE OF FACILITY Sanitary Sewer Extension		D. NAME OF MINE OR AREA SERVED On Roosevelt Avenue near junction with Harbrook Lane	
E. THIS PERMIT APPROVES:			
1. Plans For Construction Of: a. <input checked="" type="checkbox"/> Pump Stations, Sewers and Appurtenances b. <input type="checkbox"/> Sewage Treatment Facilities c. <input type="checkbox"/> Industrial Wastes Treatment Facilities		2. The Discharge Of: a. <input type="checkbox"/> Treated <input type="checkbox"/> Untreated b. <input type="checkbox"/> Industrial Wastes <input checked="" type="checkbox"/> Sewage TO: <u>York Sewage Plant to Codorus Creek</u> (Receiving Waters)	
3. The Operation Of: a. <input type="checkbox"/> Mine Maximum surface area to be affected shall not exceed _____ acres. (Surface Mines) Maximum area to be deep mined _____ acres.			

F. YOU ARE HEREBY AUTHORIZED TO CONSTRUCT, OPERATE OR DISCHARGE, AS INDICATED ABOVE, PROVIDED THAT YOU COMPLY WITH THE FOLLOWING:

1. ALL REPRESENTATIONS REGARDING OPERATION, CONSTRUCTION, MAINTENANCE AND CLOSING PROCEDURES AS WELL AS ALL OTHER MATTERS SET FORTH IN YOUR APPLICATION AND ITS SUPPORTING DOCUMENTS (APPLICATION NO. 677414 DATED June 2, 1971 AND AMENDMENTS DATED June 22, 1971) SUCH APPLICATION, ITS SUPPORTING DOCUMENTS AND AMENDMENTS ARE HEREBY MADE A PART OF THIS PERMIT.

2. CONDITIONS NUMBERED 1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 13, 14, 15, 17, 18, 25, and 27 OF THE Sewerage STANDARD CONDITIONS DATED November 1, 1942 WHICH CONDITIONS ARE ATTACHED HERETO AND ARE MADE A PART OF THIS PERMIT.

3. SPECIAL CONDITION(S) NUMBERED A WHICH ARE ATTACHED HERETO AND ARE MADE A PART OF THIS PERMIT.

G. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

1. IF THERE IS A CONFLICT BETWEEN THE APPLICATION OR ITS SUPPORTING DOCUMENTS AND AMENDMENTS AND THE STANDARD OR SPECIAL CONDITIONS, THE STANDARD OR SPECIAL CONDITIONS SHALL APPLY.

2. FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF THE DEPARTMENT OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.

3. THIS PERMIT IS ISSUED PURSUANT TO THE CLEAN STREAMS LAW, THE ACT OF JUNE 22, 1937, P.L. 1967, AS AMENDED. ISSUANCE OF THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY RESPONSIBILITY UNDER ANY OTHER LAW.

PERMIT ISSUED
June 28, 1971

DEPARTMENT OF ENVIRONMENTAL RESOURCES
Elvin F. Hoover
Elvin F. Hoover
Regional Sanitary Engineer

WQM Permit 6771424

663302

29 Chestnut Street
Lewistown, Pennsylvania 17044

April 7, 1972

CERTIFIED MAIL

Sewerage
York
York

Mr. Elgin G. Radcliff, Director
Department of Public Works
City of York
50 West King Street
York, Pennsylvania 17405

SUBJECT: Sewerage Permit No. 6771424

Dear Mr. Radcliff:

Subject permit is enclosed.

Please study the permit carefully and direct any questions to
the Facilities Section of this office.

Very truly yours,

Elvin P. Hoover, P. E.
Regional Sanitary Engineer

EPH:jld
Enclosures - Permit
Standard Conditions

APR 10 1972

APP 100, REV. 1-71

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

WATER QUALITY MANAGEMENT PERMIT

6771424

662303

A. PERMITTEE: Name and Address City of York 50 West King Street York, Pennsylvania 17405		B. PROJECT LOCATION Municipality <u>York</u> County <u>York</u>	
C. TYPE OF FACILITY Sanitary Sewer Extension		D. NAME OF MINE OR AREA SERVED Service to 120 Unit Townhouse Development near Pennsylvania Avenue and Route 30 Hy-Pas	
E. THIS PERMIT APPROVES:			
1. Plans For Construction Of: <input checked="" type="checkbox"/> Pump Stations, Sowers and Appurtenances <input type="checkbox"/> Sewage Treatment Facilities <input type="checkbox"/> Industrial Wastes Treatment Facilities		2. The Discharge Of: a. <input type="checkbox"/> Treated <input type="checkbox"/> Untreated b. <input type="checkbox"/> Industrial Wastes <input checked="" type="checkbox"/> Sewage TO: <u>City of York Sewage Treatment Plant to Codorus Creek.</u> (Receiving Waters)	
		3. The Operation Of: a. <input type="checkbox"/> Mine Maximum surface area to be affected shall not exceed _____ acres. (Surface Mines) Maximum area to be deep mined _____ acres.	
F. YOU ARE HEREBY AUTHORIZED TO CONSTRUCT, OPERATE OR DISCHARGE, AS INDICATED ABOVE, PROVIDED THAT YOU COMPLY WITH THE FOLLOWING:			
1. ALL REPRESENTATIONS REGARDING OPERATION, CONSTRUCTION, MAINTENANCE AND CLOSING PROCEDURES AS WELL AS ALL OTHER MATTERS SET FORTH IN YOUR APPLICATION AND ITS SUPPORTING DOCUMENTS (APPLICATION NO. <u>8771424</u> DATED <u>November 11, 1971</u>), AND AMENDMENTS DATED _____, SUCH APPLICATION, ITS SUPPORTING DOCUMENTS AND AMENDMENTS ARE HEREBY MADE A PART OF THIS PERMIT			
2. CONDITIONS NUMBERED <u>1, 2, 3, 4, 5, 6, 7, 8, 10, 11, 14, 15, 17, 18, 25, and 27</u> OF THE _____ STANDARD CONDITIONS DATED _____ WHICH CONDITIONS ARE ATTACHED HERETO AND ARE MADE A PART OF THIS PERMIT			
3. SPECIAL CONDITION(S) NUMBERED _____ WHICH ARE ATTACHED HERETO AND ARE MADE A PART OF THIS PERMIT			
G. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS.			
1. IF THERE IS A CONFLICT BETWEEN THE APPLICATION OR ITS SUPPORTING DOCUMENTS AND AMENDMENTS AND THE STANDARD OR SPECIAL CONDITIONS THE STANDARD OR SPECIAL CONDITIONS SHALL APPLY			
2. FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF THE DEPARTMENT OR THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.			
3. THIS PERMIT IS ISSUED PURSUANT TO THE CLEAN STREAMS LAW, THE ACT OF JUNE 27, 1937, P. L. 1957, AS AMENDED. ISSUANCE OF THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY RESPONSIBILITY UNDER ANY OTHER LAW.			
PERMIT ISSUED <u>April 7, 1972</u>		DEPARTMENT OF ENVIRONMENTAL RESOURCES <u>Elvin F. Hoover</u> Regional Sanitary Engineer	

WQM Permit 6778413

cc: Harry Steigman
CEC (2)
P.S.
File (2)✓

407 South Cameron Street
Harrisburg, Pennsylvania 17101
(717) 787-9665
November 28, 1978

1385191

Sewerage
City of York
York County

Alan L. Gasford
Director of Public Works
City of York
50 West King Street
York, PA 17405

SUBJECT: Sewerage Permit No. 6778413

Gentlemen:

Subject permit is enclosed.

Please study the permit carefully and direct any questions to the Facilities Section of this office.

To become operative this permit must be recorded in the Office of the Recorder of Deeds in the county in which the discharge is located. Enclosed is a certificate and pre-addressed envelope for this purpose. Please have the Recorder of Deeds accomplish the certificate and return it within ten (10) days.

Adequate inspection should be done during construction to insure that the Soil Erosion Control Plan is followed and that pollution does not occur. In addition construction on this project must be coordinated with the corresponding West Manchester project on the Willis Run Interceptor.

Very truly yours,

SIGNED

Frederick A. Marrocco
Regional Sanitary Engineer
Harrisburg Regional Office

JF + JVD

FAM:jvl

Enclosures

cc: Donald K. Weigle, P.E.; Weigle Engineering Co.

Ronald Hoffman, Waterways Patrolman
Jack G. Miller, Chief, Fisheries Environmental Service

ER-BWQ-15-Rev. 4/78

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WATER QUALITY MANAGEMENT
WATER QUALITY MANAGEMENT PERMIT

NO. 6778413

A. PERMITTEE: (Name and Address) City of York 50 West King Street P.O. Box 309 York, PA 17405		B. PROJECT LOCATION Municipality <u>City of York</u> 1385237 County <u>York</u>	
C. TYPE OF FACILITY (For industrial wastes: type of establishment) Willis Run Interceptor		D. NAME OF MINE, PLANT, AREA SERVED, OUTFALL NO., ETC.	
E. THIS PERMIT APPROVES:	1. Plans For Construction Of: a. <input checked="" type="checkbox"/> Pump Stations: Sewers and Appurtenances b. <input type="checkbox"/> Sewage Treatment Facilities c. <input type="checkbox"/> Industrial Wastes Treatment Facilities d. <input type="checkbox"/> Mine Drainage Treatment Facilities e. <input type="checkbox"/> Outfall & Headwall f. <input checked="" type="checkbox"/> Stream Crossing g. <input type="checkbox"/> Impoundment		
	2. The Discharge Of: a. <input checked="" type="checkbox"/> Treated b. <input type="checkbox"/> Untreated c. <input checked="" type="checkbox"/> Sewage d. <input type="checkbox"/> Industrial Wastes		
	3. Discharge To: a. <input checked="" type="checkbox"/> Surface Water b. <input type="checkbox"/> Ground Water Name of Stream to which discharged or drainage area in which groundwater discharge takes place or impoundment is located. <u>Codorus Creek</u>		
	4. The Operation of a Mine <input type="checkbox"/> Maximum Area to be Deep Mined _____ Acres		5. An Erosion and Sedimentation Control Plan <input checked="" type="checkbox"/> Project Area is <u>2</u> Acres

F. THIS APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:

1. ALL CONSTRUCTION, OPERATIONS, PROCEDURES AND DISCHARGE SHALL BE IN ACCORDANCE WITH APPLICATION NO. 6778413 DATED 8/18/78 ITS SUPPORTING DOCUMENTATION, AND AMENDMENTS DATED 10/5/78 SUCH APPLICATION, ITS SUPPORTING DOCUMENTATION AND AMENDMENTS ARE HEREBY MADE A PART OF THIS PERMIT.

2. CONDITIONS NUMBERED 1 thru 9, 11, 12, 13, 14, 21, 22, 26, 30, 31, 32 and 33 OF THE Sewerage STANDARD CONDITIONS DATED 1972, Rev. 11/74 AND CONDITIONS NUMBERED All OF THE EROSION CONTROL STANDARD CONDITIONS DATED 1973 WHICH CONDITIONS ARE ATTACHED AND MADE PART OF THIS PERMIT.

3. SPECIAL CONDITIONS DESIGNATED _____ WHICH ARE ATTACHED AND ARE MADE A PART OF THIS PERMIT.

G. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

1. IF THERE IS A CONFLICT BETWEEN THE APPLICATION ON ITS SUPPORTING DOCUMENTS AND AMENDMENTS AND THE STANDARD OR SPECIAL CONDITIONS, THE STANDARD OR SPECIAL CONDITIONS SHALL APPLY.

2. FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF THE DEPARTMENT OR WITH THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.

3. THIS PERMIT IS ISSUED PURSUANT TO THE CLEAN STREAMS LAW, ACT OF JUNE 22, 1937, P.L. 1987 AS AMENDED 35 P.S. § 891.1 ET SEQ. AND/OR THE WATER OBSTRUCTION ACT, ACT OF JUNE 26, 1913, P.L. 555 AS AMENDED 32 P.S. § 881 ET SEQ. ISSUANCE OF THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY RESPONSIBILITY UNDER ANY OTHER LAW.

PERMIT ISSUED DATE NOV 28 1978 BY Frederick A. Marrocco Regional Sanitary Engineer
 DEPARTMENT OF ENVIRONMENTAL RESOURCES
 TITLE _____

WQM Permit 6773407

COMMONWEALTH of PENNSYLVANIA



663230

DEPARTMENT OF ENVIRONMENTAL RESOURCES
29 Chestnut Street
Lewistown, Pennsylvania 17044

Certified Mail
Sewerage
York
York County

July 17, 1974

Mr. Albert J. Miller, Chairman
York City Sewer Authority
154 Marion Road
York, Pennsylvania 17405

SUBJECT: Sewerage Permit No. 6773407

Gentlemen:

Subject permit is enclosed.

Please study the permit carefully and direct any questions to this office.

To become operative this permit must be recorded in the Office of the Recorder of Deeds in the county in which the discharge is located. Enclosed is a certificate and pre-addressed envelope for this purpose. Please have the Recorder of Deeds accomplish the certificate and return it within ten (10) days.

Very truly yours,

A handwritten signature in dark ink, appearing to read "JVD".

James V. Donato, P.E.
Acting Regional Sanitary Engineer

JVD:djv

Enclosures - Permit
Standard Conditions
Certificate
Return Envelope
Notarisation of Signature

663232

WATER QUALITY MANAGEMENT PERMIT

NO 6773407

A PERMITTEE (Name and Address) York City Sewer Authority 134 Marion Road York, Pennsylvania 17405		B PROJECT LOCATION York York County	
C TYPE OF FACILITY OR ESTABLISHMENT Addition of Activated Carbon Units for Advanced Waste Treatment		D NAME OF MINE OPERATION OR AREA SERV Facilities Serve City of York and Contiguous Areas.	
E THIS PERMIT APPROVES			
1. Plans For Construction of		2. The Discharge of	
a. <input type="checkbox"/> PUMP STATIONS SEWERS AND APPURTENANCES		a. <input checked="" type="checkbox"/> TREATED	
b. <input checked="" type="checkbox"/> SEWAGE TREATMENT FACILITIES		b. <input type="checkbox"/> UNTREATED	
c. <input type="checkbox"/> MINE DRAINAGE TREATMENT FACILITIES		c. <input type="checkbox"/> INDUSTRIAL WASTE	
d. <input type="checkbox"/> INDUSTRIAL WASTE TREATMENT FACILITIES		d. <input type="checkbox"/> MINE DRAINAGE	
e. <input type="checkbox"/> OUTFALL & HEADWALL		e. <input checked="" type="checkbox"/> SEWAGE	
f. <input type="checkbox"/> STREAM CROSSING		3. The Operation of	
		a. <input type="checkbox"/> MINE MAXIMUM AREA TO BE DEEP MINED	
		b. <input type="checkbox"/> DAM	
		4. An Erosion and Sedimentation Control Plan <input type="checkbox"/> PROJECT AREA IS _____ ACRES	
		5. Nature of Discharge or Impoundment.	
		a. <input checked="" type="checkbox"/> DISCHARGE TO SURFACE WATER <input type="checkbox"/> DISCHARGE TO GROUND WATER	
		b. <input type="checkbox"/> IMPOUNDMENT Codorus Creek (Name of Stream to which discharged or drainage area on which ground water discharge takes place or impoundment is located)	

F. You are hereby authorized to construct, operate or discharge, as indicated above, provided that you comply with the following:

- All representations regarding operations, construction, maintenance and closing procedures as well as all other matters set forth in your application and its supporting documents (Application No. **6773407** dated **February 28, 1973**), and amendments dated _____.
- Such application, its supporting documents and amendments are hereby made a part of this permit.
- Conditions numbered **1, 2, 9 thru 23, 29 and 30** of the **Sewerage** Standard Conditions dated **1972** which conditions are attached hereto and are made a part of this permit.
- Special conditions designated **A and B** which are attached hereto and are made a part of this permit.

G. The Authority granted by this permit is subject to the following further qualifications:

- If there is a conflict between the application or its supporting documents and amendments and the standard or special conditions, the standard or special conditions shall apply.
- Failure to comply with the Rules and Regulations of the Department or the terms or conditions of this permit shall void the authority given to the permittee by the issuance of the permit.
- This permit is issued pursuant to the Clean Streams Law, The Act of June 22, 1937, P.L. 1987 as amended and/or the Water Obstruction Act of June 25, 1913, P.L. 555 as amended. Issuance of this permit shall not relieve the permittee of any responsibility under any other law.

PERMIT ISSUED

July 17, 1974

DEPARTMENT OF ENVIRONMENTAL RESOURCES

James V. Donato

Acting Regional Sanitary Engineer

603233

Page 2

July 17, 1974

**Sewerage Permit
No. 6773407**

This permit is issued subject to all Department of Environmental Resources Rules and Regulations now in force, and the following Special Conditions:

- A. The plant hereby approved is required to produce an effluent in which the 5-day biochemical oxygen demand will not exceed 7 mg/l for the period May 1 through October 31 and 14 mg/l for the remainder of the year; the total phosphorus as PO_4 will not exceed 6 mg/l and the dissolved oxygen will be at least 6 mg/l.
- B. In addition the plant hereby approved is required to provide treatment that will remove practically all of the suspended solids; will provide effective disinfection to control disease producing organisms; will provide satisfactory disposal of sludge; and will reduce the quantities of oil, greases, acids, alkalies, toxic, taste and odor producing substances, color, and other substances inimical to the public interest to levels that will not pollute the receiving stream.

It is required by law that this permit before being operative shall be recorded in the office of the Recorder of Deeds in York County.

Permit 6773413

COMMONWEALTH of PENNSYLVANIA



663277

DEPARTMENT OF ENVIRONMENTAL RESOURCES
29 Chestnut Street
Lewistown, Pennsylvania 17044

CERTIFIED MAIL

September 25, 1973

Sewerage
York
York County

Mr. Albert J. Miller, Chairman
York City Sewer Authority
154 Merion Road
York, Pennsylvania

SUBJECT: Sewerage Permit No. 6773413

Gentlemen:

Subject permit is enclosed.

Please study the permit carefully and direct any questions to this office.

To become operative this permit must be recorded in the Office of the Recorder of Deeds in the county in which the discharge is located. Enclosed is a certificate and pre-addressed envelope for this purpose. Please have the Recorder of Deeds accomplish the certificate and return it within ten (10) days.

Very truly yours,

JVD
James V. Donato, P.E.
Acting Regional Sanitary Engineer

JVD:djv

Enclosures - Permit
Standard Conditions
Certificate
Return Envelope
Notarization of Signature

PA 890 15 Rev. 2-73

DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WATER QUALITY MANAGEMENT

WATER QUALITY MANAGEMENT PERMIT

NO 6773413

6773413

A PERMITTEE (Name and Address) York City Sewer Authority 154 Merion Road York, Pennsylvania 17405		B PROJECT LOCATION Municipality <u>York</u> County <u>York County</u>	
C TYPE OR FACILITY OR ESTABLISHMENT Sanitary Sewers		D NAME OF MINE OPERATION OR AREA SERVED Separation combined sewers in portion of City of York	
E THIS PERMIT APPROVES			
1. Plans For Construction of a. <input checked="" type="checkbox"/> PUMP STATIONS, SEWERS AND APPURTENANCES b. <input type="checkbox"/> SEWAGE TREATMENT FACILITIES c. <input type="checkbox"/> MINE DRAINAGE TREATMENT FACILITIES d. <input type="checkbox"/> INDUSTRIAL WASTE TREATMENT FACILITIES e. <input type="checkbox"/> OUTFALL & HEADWALL f. <input type="checkbox"/> STREAM CROSSING		2. The Discharge of a. <input type="checkbox"/> TREATED b. <input type="checkbox"/> UNTREATED c. <input type="checkbox"/> INDUSTRIAL WASTE d. <input type="checkbox"/> MINE DRAINAGE e. <input checked="" type="checkbox"/> SEWAGE	
		3. The Operation of a. <input type="checkbox"/> MINE MAXIMUM AREA TO BE DEEP MINED b. <input type="checkbox"/> DAM 4. An Erosion and Sedimentation Control Plan <input type="checkbox"/> PROJECT AREA IS _____ ACRES.	
5. Nature of Discharge or Impoundment: <input checked="" type="checkbox"/> DISCHARGE TO SURFACE WATER <input type="checkbox"/> DISCHARGE TO GROUND WATER <input type="checkbox"/> IMPOUNDMENT <u>To Codorus Creek from York Sewage Plant.</u> (Name of Stream to which discharged or drainage area or which ground water discharge takes place or impoundment is located)			

F You are hereby authorized to construct, operate or discharge, as indicated above, provided that you comply with the following:

- All representations regarding operations, construction, maintenance and closing procedures as well as all other matters set forth in your application and its supporting documents (Application No. 6773413, dated February 14, 1973, and amendments dated April 26, 1973). Such application, its supporting documents and amendments are hereby made a part of this permit.
- Conditions numbered 1 thru 14, 21, 22 and 30 of the Sewerage Standard Conditions dated 1972 which conditions are attached hereto and are made a part of this permit.
- Special condition(s) designated _____ which are attached hereto and are made a part of this permit.

- G The Authority granted by this permit is subject to the following further qualifications:
- If there is a conflict between the application (with supporting documents) and amendments and the standard or special conditions, the standard or special conditions shall apply.
 - Failure to comply with the Rules and Regulations of the Department or the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.
 - This permit is void pursuant to the Clean Streams Law, The Act of June 22, 1937 (P.L. 1987) as amended and to the Water Control Act of June 25, 1933 (P.L. 1953) as amended.

PERMIT NO. _____
 DATE September 25, 1973

 Acting Regional Sanitary Engineer

WQM Permit 6778417

ER-BWO-15-Rev. 4/78

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WATER QUALITY MANAGEMENT

WATER QUALITY MANAGEMENT PERMIT

NO. 6778417

<p>A. PERMITTEE: (Name and Address)</p> <p>City of York 50 West King Street, Box 509 York, PA 17405</p>		<p>B. PROJECT LOCATION</p> <p style="text-align: right; font-size: 1.2em;">1385304</p> <p>Municipality <u>City of York</u></p> <p>County <u>York</u></p>	
<p>C. TYPE OF FACILITY (For industrial wastes, type of establishment)</p> <p>Sewer Extension with One Pump Station</p>		<p>D. NAME OF MINE, PLANT, AREA SERVED, OUTFALL NO., ETC.</p> <p>York City Industrial Park</p>	
<p style="writing-mode: vertical-rl; transform: rotate(180deg);">E. THIS PERMIT APPROVES:</p>	<p>1. Plans For Construction Of:</p> <p>a. <input checked="" type="checkbox"/> Pump Stations, Sewers and Appurtenances b. <input type="checkbox"/> Sewage Treatment Facilities c. <input type="checkbox"/> Industrial Wastes Treatment Facilities</p> <p>d. <input type="checkbox"/> Mine Drainage Treatment Facilities e. <input type="checkbox"/> Outfall & Headwall f. <input type="checkbox"/> Stream Crossing g. <input type="checkbox"/> Impoundment</p>		
	<p>2. The Discharge Of:</p> <p>a. <input checked="" type="checkbox"/> Treated b. <input type="checkbox"/> Untreated c. <input checked="" type="checkbox"/> Sewage d. <input type="checkbox"/> Industrial Wastes</p>		
	<p>3. Discharge To:</p> <p>a. <input type="checkbox"/> Surface Water Codorus Creek via York Sewage Treatment Plant</p> <p>b. <input type="checkbox"/> Ground Water</p> <p style="font-size: 0.8em;">Name of Stream to which discharged or drainage area in which groundwater discharge takes place or impoundment is located.</p>		
	<p>4. The Operation of a Mine <input type="checkbox"/> 5. An Erosion and Sedimentation Control Plan <input checked="" type="checkbox"/></p> <p>Maximum Area to be Deep Mined _____ Acres Project Area is <u>2</u> Acres</p>		
<p>F. THIS APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:</p> <p>1. ALL CONSTRUCTION, OPERATIONS, PROCEDURES AND DISCHARGE SHALL BE IN ACCORDANCE WITH APPLICATION NO. <u>6778417</u> DATED <u>10/3/78</u> ITS SUPPORTING DOCUMENTATION, AND AMENDMENTS DATED <u>12/26/78 & 1/4/79</u> SUCH APPLICATION, ITS SUPPORTING DOCUMENTATION AND AMENDMENTS ARE HEREBY MADE A PART OF THIS PERMIT.</p> <p>2. CONDITIONS NUMBERED <u>1 thru 9, 11, 12, 13, 14, 21, 22, 26, 30 and 31</u> OF THE <u>Sewerage</u> STANDARD CONDITIONS DATED <u>1972, Rev. 11/74</u> AND CONDITIONS NUMBERED <u>A-1</u> OF THE EROSION CONTROL STANDARD CONDITIONS DATED <u>1973</u> WHICH CONDITIONS ARE ATTACHED AND MADE PART OF THIS PERMIT.</p> <p>3. SPECIAL CONDITIONS DESIGNATED _____ WHICH ARE ATTACHED AND ARE MADE A PART OF THIS PERMIT.</p>			
<p>G. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <p>1. IF THERE IS A CONFLICT BETWEEN THE APPLICATION ON ITS SUPPORTING DOCUMENTS AND AMENDMENTS AND THE STANDARD OR SPECIAL CONDITIONS, THE STANDARD OR SPECIAL CONDITIONS SHALL APPLY.</p> <p>2. FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF THE DEPARTMENT OR WITH THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.</p> <p>3. THIS PERMIT IS ISSUED PURSUANT TO THE CLEAN STREAMS LAW, ACT OF JUNE 22, 1937, P.L. 1987 AS AMENDED 35 P.S. § 691.1 ET SEQ. AND/OR THE WATER OBSTRUCTION ACT, ACT OF JUNE 25, 1913, P.L. 555 AS AMENDED 32 P.S. § 681 ET SEQ. ISSUANCE OF THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY RESPONSIBILITY UNDER ANY OTHER LAW.</p>			
<p>DATE <u>JAN 29 1979</u></p>		<p style="text-align: right;">DEPARTMENT OF ENVIRONMENTAL RESOURCES</p> <p style="text-align: center;"><i>Frederick A. Marrocco</i></p> <p style="text-align: center;">Frederick A. Marrocco Regional Sanitary Engineer</p>	

WQM Permit 6779406

BR-BWQ-15-Rev. 4/78

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WATER QUALITY MANAGEMENT

1385348

6779406

WATER QUALITY MANAGEMENT PERMIT

NO.

<p>A. PERMITTEE: (Name and Address)</p> <p>City of York 50 West King Street P.O. Box 509 York, PA 17405</p>		<p>B. PROJECT LOCATION</p> <p>Municipality <u>York City</u></p> <p>County <u>York</u></p>	
<p>C. TYPE OF FACILITY (For Industrial wastes; type of establishment)</p> <p>Sewer Extension</p>		<p>D. NAME OF MINE, PLANT, AREA SERVED, OUTFALL NO., ETC.</p> <p>Colony Park - Between MR30 and MR24</p>	
<p>5. THE PERMIT APPROVES:</p>	<p>1. Plans For Construction Of:</p> <p>a. <input type="checkbox"/> Pump Stations: Sewers and Appurtenances</p> <p>b. <input type="checkbox"/> Sewage Treatment Facilities</p> <p>c. <input type="checkbox"/> Industrial Wastes Treatment Facilities</p> <p>d. <input type="checkbox"/> Mine Drainage Treatment Facilities</p> <p>e. <input type="checkbox"/> Outfall & Headwall</p> <p>f. <input type="checkbox"/> Stream Crossing</p> <p>g. <input type="checkbox"/> Impoundment</p>		
	<p>2. The Discharge Of:</p> <p>a. <input type="checkbox"/> Treated</p> <p>b. <input type="checkbox"/> Untreated</p> <p>c. <input type="checkbox"/> Sewage</p> <p>d. <input type="checkbox"/> Industrial Wastes</p>		
	<p>3. Discharge To:</p> <p>a. <input type="checkbox"/> Surface Water</p> <p>b. <input type="checkbox"/> Ground Water</p> <p>Name of Stream to which discharged or drainage area in which groundwater discharge takes place or impoundment is located: _____</p>		
	<p>4. The Operation of a Mine <input type="checkbox"/></p> <p>Maximum Area to be Deep Mined _____ Acres</p>		<p>5. An Erosion and Sedimentation Control Plan <input type="checkbox"/></p> <p>Project Area is _____ Acres</p>
<p>F. THIS APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:</p> <p>1. ALL CONSTRUCTION, OPERATIONS, PROCEDURES AND DISCHARGE SHALL BE IN ACCORDANCE WITH APPLICATION NO. <u>6779406</u> DATED <u>2-22-79</u> ITS SUPPORTING DOCUMENTATION, AND AMENDMENTS DATED <u>3-26-79</u> SUCH APPLICATION, ITS SUPPORTING DOCUMENTATION AND AMENDMENTS ARE HEREBY MADE A PART OF THIS PERMIT.</p> <p>2. CONDITIONS NUMBERED <u>3, 4, 5, 6, 7, 8, 9, 11, 12, 13, 14, 21, 22, 26 & 30</u> OF THE <u>Sewerage</u> STANDARD CONDITIONS DATED <u>1972, Rev. 11/74</u> AND CONDITIONS NUMBERED _____ OF THE EROSION CONTROL STANDARD CONDITIONS DATED _____ WHICH CONDITIONS ARE ATTACHED AND MADE PART OF THIS PERMIT.</p> <p>3. SPECIAL CONDITIONS DESIGNATED _____ WHICH ARE ATTACHED AND ARE MADE A PART OF THIS PERMIT.</p>			
<p>G. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <p>1. IF THERE IS A CONFLICT BETWEEN THE APPLICATION ON ITS SUPPORTING DOCUMENTS AND AMENDMENTS AND THE STANDARD OR SPECIAL CONDITIONS, THE STANDARD OR SPECIAL CONDITIONS SHALL APPLY.</p> <p>2. FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF THE DEPARTMENT OR WITH THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.</p> <p>3. THIS PERMIT IS ISSUED PURSUANT TO THE CLEAN STREAMS LAW, ACT OF JUNE 22, 1937, P.L. 1087 AS AMENDED 35 P.S. § 681.1 BY SEC. AND/OR THE WATER OBSTRUCTION ACT, ACT OF JUNE 26, 1913, P.L. 665 AS AMENDED 32 P.S. § 681 ET SEQ. ISSUANCE OF THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY RESPONSIBILITY UNDER ANY OTHER LAW.</p>			
<p>PERMIT ISSUED</p> <p>DATE <u>March 29, 1979</u></p>		<p>DEPARTMENT OF ENVIRONMENTAL RESOURCES</p> <p>BY <u>Frederick A. Marrocco</u></p> <p>TITLE <u>Regional Water Quality Manager</u></p>	

WQM Permit 6780404

NEW YORK COUNTY WATER QUALITY DISTRICT
Hudson River, New York 10701

MAY 14 1988

Mr. [Name]
[Address]
[City, State, Zip]

SUBJECT: Water Quality Management Part II Permit No. 678494
[Address]

Reference is made to the permit conditions and direct any questions to the Facilities Section of this office.

In order to comply with permit conditions, all records in the CDDs of the discharge in those in the county in which the discharge is located. Enclosed is a Certificate and presentation schedule for this purpose. Please have the Recorder of Deeds acknowledge the certificate and return it within 75 (10) days.

The project is subject to a maximum of \$1,000 and if flow from the discharge is subject to a maximum of \$1,000. Approximately \$1,000 and \$1,000 are for the installation of a permit for in the flow of the flow. Your financial management program should include the flow to the permit to insure the flow is subject to a permit condition.

Very truly yours,

SIGNED
[Signature]
Regional Water Quality Director,
New York County Office

Mr. [Name]
[Address]
[City, State, Zip]
New York County Water Quality Director
Harry Swigman
File/ Program Services
30 Day

9-BWQ-15-Rev. 4/78

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WATER QUALITY MANAGEMENT

WATER QUALITY MANAGEMENT PERMIT

NO. 6780404

A. PERMITTEE: (Name and Address) City of York 50 West King Street P.O. Box 509 York, Pennsylvania 17405		B. PROJECT LOCATION Municipality <u>City of York</u> County <u>York</u>	
C. TYPE OF FACILITY (For Industrial wastes; type of establishment) Interceptor Sewer		D. NAME OF MINE, PLANT, AREA SERVED, OUTFALL NO., ETC. Prospect Avenue Relief Sewer	
E. THIS PERMIT APPROVES:	1. Plans For Construction Of:		
	a. <input checked="" type="checkbox"/> Pump Stations; Sewers and Appurtenances	b. <input type="checkbox"/> Sewage Treatment Facilities	c. <input type="checkbox"/> Industrial Wastes Treatment Facilities
	d. <input type="checkbox"/> Mine Drainage Treatment Facilities	e. <input type="checkbox"/> Outfall & Headwell	f. <input type="checkbox"/> Stream Crossing
	g. <input type="checkbox"/> Impoundment		
2. The Discharge Of:			
a. <input type="checkbox"/> Treated b. <input type="checkbox"/> Untreated c. <input type="checkbox"/> Sewage d. <input type="checkbox"/> Industrial Wastes			
3. Discharge To:			
a. <input type="checkbox"/> Surface Water b. <input type="checkbox"/> Ground Water Name of Stream to which discharged or drainage area in which groundwater discharge takes place or impoundment is located, _____			
4. The Operation of a Mine <input type="checkbox"/> Maximum Area to be Deep Mined _____ Acres		5. An Erosion and Sedimentation Control Plan <input checked="" type="checkbox"/> Project Area is <u>3</u> Acres	
F. THIS APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:			
1. ALL CONSTRUCTION, OPERATIONS, PROCEDURES AND DISCHARGE SHALL BE IN ACCORDANCE WITH APPLICATION NO. <u>6780404</u> DATED <u>3-24-80</u> ITS SUPPORTING DOCUMENTATION, AND AMENDMENTS DATED <u>4-28-80</u> SUCH APPLICATION, ITS SUPPORTING DOCUMENTATION AND AMENDMENTS ARE HEREBY MADE A PART OF THIS PERMIT.			
2. CONDITIONS NUMBERED <u>1 thru 9, 13, 14, 20, 21, 22, 30 and 31</u> OF THE <u>Sewerage</u> STANDARD CONDITIONS DATED <u>1972, Rev. 11/74</u> AND CONDITIONS NUMBERED <u>1, 2, 3, 6, 8, 9 thru 20</u> OF THE EROSION CONTROL STANDARD CONDITIONS DATED <u>1973</u> WHICH CONDITIONS ARE ATTACHED AND MADE PART OF THIS PERMIT.			
3. SPECIAL CONDITIONS DESIGNATED _____ WHICH ARE ATTACHED AND ARE MADE A PART OF THIS PERMIT.			
G. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:			
1. IF THERE IS A CONFLICT BETWEEN THE APPLICATION ON ITS SUPPORTING DOCUMENTS AND AMENDMENTS AND THE STANDARD OR SPECIAL CONDITIONS, THE STANDARD OR SPECIAL CONDITIONS SHALL APPLY.			
2. FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF THE DEPARTMENT OR WITH THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.			
3. THIS PERMIT IS ISSUED PURSUANT TO THE CLEAN STREAMS LAW, ACT OF JUNE 22, 1937, P.L. 1987 AS AMENDED 35 P.S. § 691.1 ET SEQ. AND/OR THE WATER OBSTRUCTION ACT, ACT OF JUNE 25, 1913, P.L. 555 AS AMENDED 32 P.S. § 681 ET SEQ. ISSUANCE OF THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY RESPONSIBILITY UNDER ANY OTHER LAW			
DATE <u>May 14, 1980</u>	DEPARTMENT OF ENVIRONMENTAL RESOURCES <u>Frederick A. Marocco</u> Frederick A. Marocco Regional Water Quality Manager		
	BY	TITLE	

NPDES Permit No. PAG-08-3501



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

File ~~YOP~~ Appendix A-20-b

York City WWTAP

7

August 8, 2017

Ms. Stacey MacNeal
York City Sewer Authority
c/o Katherman, Heim & Perry
345 East Market St.
York, PA 17403

Re: Beneficial Utilization of Sewage Sludge
Permit ID No. PAG-08-3501
Manchester Township, York County

Dear Ms. MacNeal:

This Notice of Intent (NOI) submitted for coverage of your sewage sludge treatment facility under General Permit PAG-08-3501 was reviewed by DEP and coverage is granted as specified in the enclosed general permit.

Please note that **your coverage under this statewide permit will not expire**. Your coverage under the PAG-08 General Permit is automatically extended for the duration of the final renewed, reissued or amended PAG-08 General Permit. When the statewide General Permit is renewed, the permit will be published in the Pennsylvania Bulletin. Following publication of the final renewed PAG-08 General Permit, you must comply with the terms and conditions of the renewed General Permit PAG-08 or otherwise submit an application for an individual permit. You are not required to submit an NOI to renew your coverage unless you receive notification from DEP to do so.

The Department requests that when applying biosolids as authorized pursuant to this approval that you provide timely and prior notification to the local municipality where such application is to be made.

In addition to notifying the Department and the County Conservation District at least 30 days prior to the first application, all the landowners adjacent to the site must be notified in writing. We also request that you include a copy of the adjacent landowner fact sheet with this written notification.

Chapter 93 regulations should be referenced to determine if a proposed site is located in an Exceptional Value (EV) watershed. Watershed reclassification may have taken place. Contact DEP to verify that proposed sites are not in an EV watershed. Land application activities covered by a general permit are not allowed to discharge to a surface water classified as an EV water (25 Pa Code §92a.54(a)(8)). Stream designations are updated periodically. The latest revisions to Chapter 93 can be found on the web by going to www.pacode.com. Use the browse tool to select Title 25 then locate Chapter 93.

Technical Job Aids, copies of forms, dates for upcoming training courses, and related links can be found at www.dep.state.pa.us. From the home page, under the Quick Access menu on the left side of the screen, click "DEP Programs A-Z," and from the resulting list, click on "Biosolids."

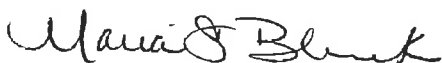
Persons land applying sewage sludge under this general permit are required to complete a land application training course within one year from the beginning of land application activities. In the case of a permittee who prepares sewage sludge for land application, at least one person with responsibility for the land application of sewage sludge must complete the training.

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, P.O. 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. 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 regarding this approval, please call Eric Laur at 717.705.4773.

Sincerely,



Maria D. Bebenek, P.E.
Program Manager, Clean Water Program

Enclosure

cc: York City Wastewater Treatment Plant


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

**APPROVAL FOR COVERAGE UNDER THE
 GENERAL PERMIT (PAG-08) FOR BENEFICIAL USE OF
 BIOSOLIDS BY LAND APPLICATION**
PERMIT NO: PAG-08-3501

In accordance with the provisions of the Federal Clean Water Act (33 U.S.C.A §§1251-1387), the Clean Streams Law (35 P.S. §§691.1 - 691.1001), Sections 1905-A, 1917-A and 1920-A of the Administrative Code of 1929 (71 P.S. §§510-5, 510-17 and 510-20), the Solid Waste Management Act (35 P.S. §§6018.101 - 6018.1003), and the Municipal Waste Planning, Recycling and Waste Reduction Act (53 P.S. §§4000.101 - 4000.1904), the Department of Environmental Protection (DEP) hereby approves the Notice of Intent (NOI) submitted for coverage by:

INSERT APPLICANT NAME AND ADDRESS BELOW

York City Sewer Authority
c/o Katherman, Heim & Perry
345 East Market St.
York, PA 17403

INSERT FACILITY NAME AND ADDRESS BELOW

York City Wastewater Treatment Plant
1701 Black Bridge Rd.
York, PA 17402
Manchester Township, York County

to beneficially use biosolids that will be land applied in the Commonwealth of Pennsylvania. Approval of coverage for the land application of biosolids generated at this facility is subject to DEP's enclosed General Permit (PAG-08) which incorporates several standards including, but not limited to, general requirements, pollutant limitations, management practices, operational standards, pathogen and vector attraction reduction requirements, and other terms and conditions for biosolids prepared at the facility and that will be land applied in the Commonwealth.

All recordkeeping, monitoring and reporting requirements specified in this General Permit and DEP's approval for coverage under this General Permit shall apply to all beneficial uses of biosolids generated at the facility.

APPROVAL FOR COVERAGE UNDER THE GENERAL PERMIT IS AUTHORIZED BEGINNING ON August 8, 2017. WHEN THE GENERAL PERMIT IS RENEWED, REISSUED OR MODIFIED, THE FACILITY OR ACTIVITY COVERED BY THE APPROVAL FOR COVERAGE MUST COMPLY WITH THE FINAL RENEWED, REISSUED OR MODIFIED GENERAL PERMIT.

COVERAGE APPROVAL DATE:

August 8, 2017

BY:

A handwritten signature in cursive script, appearing to read "Maria D. Bebenek".

Maria D. Bebenek, P.E.
 Printed Name

TITLE: Program Manager, Clean Water Program
 REGION: Southcentral Region



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

**GENERAL PERMIT
FOR
BENEFICIAL USE OF BIOSOLIDS BY LAND APPLICATION**

PERMIT NO: PAG-08

In accordance with the provisions of the Federal Clean Water Act (33 U.S.C.A §§1251-1387), the Clean Streams Law (35 P.S. §§691.1 - 691.1001), Sections 1905-A, 1917-A and 1920-A of the Administrative Code of 1929 (71 P.S. §§510-5, 510-17 and 510-20), the Solid Waste Management Act (35 P.S. §§6018.101 - 6018.1003), and the Municipal Waste Planning, Recycling and Waste Reduction Act (53 P.S. §§4000.101 - 4000.1904), the Department of Environmental Protection (DEP) issues this General Permit for use by eligible persons for beneficial use of biosolids that will be land applied, who are required in Title 25 Pa. Code Chapters 91, 92a, or 271, as applicable, to obtain a permit for beneficial use of biosolids in the Commonwealth of Pennsylvania. This General Permit shall only be valid for eligible persons who have submitted an administratively complete and acceptable NOI application to DEP on the prescribed form.

The approval for coverage under this General Permit is subject to several standards including, but not limited to, general requirements, pollutant limitations, management practices, operational standards, pathogen and vector attraction reduction requirements, and other terms and conditions for biosolids prepared at the facility that will be land applied in the Commonwealth.

Persons who prepare biosolids to be land applied and are seeking approval for coverage under this General Permit must submit a complete NOI in accordance with the requirements of this General Permit, using an NOI form provided by DEP (or photocopy thereof), and receive approval from DEP for coverage under this General Permit.

Persons who prepare biosolids that meet the eligibility requirements in Section A, Biosolids Quality, of this General Permit and who submit a timely, administratively complete and acceptable NOI to DEP are authorized, upon DEP's written approval, to beneficially use biosolids by land application, as specified in this General Permit.

1. Contents of NOIs

Persons seeking approval for coverage under this General Permit must submit a completed NOI form, provided by DEP (or photocopy thereof). The NOI form shall be signed in accordance with Section K (Signatory Requirements) of this General Permit and shall include the information specified in the NOI form and in the instructions for completing the form. The NOI form and instructions (3800-PM-WSFR0337) are available on DEP's website at www.dep.state.pa.us.

2. Where to Submit

NOIs or modifications to NOIs are to be submitted to the appropriate regional office of DEP having jurisdiction over the wastewater treatment plant or processing facility that produces the biosolids. NOIs for facilities located outside the Commonwealth are to be submitted to DEP's Bureau of Point and Nonpoint Source Management in Harrisburg. The NOI form and a list of DEP names, addresses and telephone numbers are included with the instructions for completing the NOI form.

3. Uses Not Covered Under This General Permit

The following beneficial uses of biosolids are not covered by this General Permit:

- a. Land application of biosolids in watersheds classified as "Exceptional Value (EV)" in Title 25 Pa. Code Chapter 93;
- b. Land application of biosolids that are not, or will not be, in full compliance with the requirements, terms or conditions of this General Permit;
- c. Land application of biosolids for beneficial use that was produced by a person who has failed and continues to fail to comply or has shown a lack of ability or intention to comply with a regulation, permit, schedule of compliance or order issued by DEP;

- d. Land application of biosolids for beneficial use for which DEP determines an individual permit is required to ensure compliance with the Clean Water Act, the Clean Stream Law, or the Solid Waste Management Act and rules and regulations promulgated thereto;
- e. Land application of biosolids for beneficial use that would adversely affect a listed endangered or threatened species or its critical habitat;
- f. The beneficial use of biosolids mixed with residual waste, including food processing waste, unless the residual waste is authorized for beneficial use via a general permit or determined to be a coproduct as stated in Section A.5. of this General Permit; and

DEP may deny approval of coverage under this General Permit and require submittal of an application for an individual permit based on a review of the NOI or other information submitted or otherwise available to DEP.

4. Applicability

The authority granted by this General Permit is subject to the following additional requirements:

- a. DEP may require the permittee to apply for and obtain an individual permit for the beneficial use of biosolids by land application. Any interested person may petition DEP to take action under this paragraph. DEP will require any person covered under this General Permit to apply for an individual permit only after the person has been notified in writing that such permit application is required. This notice shall include the following: (1) a brief statement of the reasons for this decision; (2) an individual permit application form; and (3) a statement setting a deadline for the person to file the application.
- b. The permittee may request to be excluded from the coverage under this General Permit by applying for an Individual Generator Permit. The permittee shall submit an Individual Generator Permit application on an approved *Individual Generator Permit for the Beneficial Use of Biosolids by Land Application* form (3800-PM-WSFR0030), available on DEP's website, to DEP. The request may be granted by issuance of an Individual Generator Permit if the permit application otherwise meets the administrative, technical and legal requirements for issuance of the permit.
- c. When an Individual Generator Permit is issued to a person otherwise subject to this General Permit, the coverage under this General Permit is automatically terminated on the effective date of the Individual Generator Permit. When an Individual Generator Permit is denied to the person otherwise subject to this General Permit, the person may continue land application for beneficial use of biosolids if all eligibility requirements under this General Permit are met and the person is not prohibited from this General Permit coverage. If the person does not meet the eligibility requirements of this General Permit, or is otherwise prohibited from general permit coverage, approval of coverage under this General Permit automatically terminates on the date of such denial, unless otherwise specified by DEP.
- d. (i) Renewal of Existing Coverage Under This General Permit:

Application for renewal of coverage under this General Permit must be submitted to DEP **at least 180 days prior to** the expiration date of coverage indicated on the approval for coverage form (unless written permission has been granted by DEP for submission at a later date). A request for renewal of coverage is to be made using the *Pennsylvania Notice of Intent (NOI) for Coverage Under General Permit for Beneficial Uses of Biosolids by Land Application* (3800-PM-WSFR0337b) available on DEP's website.

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 or approval for coverage before its current coverage expiration date, the terms and conditions of the approved coverage will automatically continue and will remain fully effective and enforceable pending the approval or denial of the request for renewal of permit coverage, provided the permittee is, and has been, operating in compliance with the terms and conditions of this General Permit.

- (ii) Issuance, Reissuance or Amendment of This General Permit:

Unless extended by DEP, this General Permit will expire 5 years from the date of its issuance. DEP will publish a notice in the *Pennsylvania Bulletin* of the draft, renewed or reissued general permit or of any amendments to this General Permit, and after a comment period, notice of the final, renewed, reissued or amended general permit will be published in the *Pennsylvania Bulletin*. The permittee shall be responsible for complying with the final renewed, reissued or amended general permit.

- e. This General Permit may be modified or revoked or reissued or terminated for cause by DEP prior to expiration of this General Permit if there is evidence indicating known or potential adverse impacts to public health or the environment, or if the biosolids cannot be adequately regulated under the provisions of this General Permit, in which case the permittee may be required to obtain an individual permit.
- f. If there is a conflict between the approval of the application for coverage, its supporting documents and/or amendments, and the terms and conditions of this General Permit, the terms and conditions of this General Permit shall govern.
- g. Failure to comply with the terms and conditions of this General Permit is grounds for any one or more of the following: enforcement action, permit coverage termination, permit coverage revocation and reissuance, or denial of a permit coverage renewal application. In particular, in appropriate cases where DEP has validated that malodors from a particular biosolids source has caused a persistent public nuisance, DEP may require the generator to develop and implement a Biosolids Quality Enhancement Plan (BQEP) or revise their existing BQEP, focusing on odor mitigation, to retain or obtain coverage under this General Permit. DEP may require as part of the BQEP that the generator adopt practices that include, but not limited to soil incorporation, storage restrictions, and more stringent VAR practices. Soil incorporation shall not be required if it violates the farm's soil conservation plan or erosion and sedimentation control plan, if application involves top-dressing on a hay field, or if it would otherwise increase the risk of the biosolids migrating off the site. DEP may also revoke facility coverage under this General Permit if the treatment category or an individual facility is unable to mitigate its documented and persistent nuisance odor situations.
- h. This General Permit does not constitute approval or authorization to construct a facility or make modifications to existing facilities necessary to meet the requirements of this General Permit. The permittee shall comply with all permitting and other requirements as necessary.
- i. No condition of this General Permit shall release the permittee from any responsibility or requirement under any other Federal or Pennsylvania statute or regulation. Nor shall any condition of this General Permit release the permittee from any responsibility or requirement under any local regulation or ordinance, provided that the local regulation or ordinance is not inconsistent with or more stringent than any provision of Title 25 Pa. Code Chapter 271 or any other applicable statute and regulation.
- j. Coverage under this General Permit is an approval to apply biosolids to the land for beneficial use(s) only.

This General Permit (PAG-08) for Beneficial Use of Biosolids by Land Application is issued April 3, 2009, and shall expire at midnight April 2, 2014, unless extended on or before the expiration date by DEP.

General Permit
(PAG-08)

Date Issued: April 3, 2009
Extended To: April 2, 2018

By



Director
Bureau of Point and Nonpoint Source Management

State Only Operating Permit No. 67-05013



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
AIR QUALITY PROGRAM

STATE ONLY OPERATING PERMIT

Issue Date: January 27, 2016

Effective Date: February 1, 2016

Expiration Date: January 31, 2021

In accordance with the provisions of the Air Pollution Control Act, the Act of January 8, 1960, P.L. 2119, as amended, and 25 Pa. Code Chapter 127, the Owner, [and Operator if noted] (hereinafter referred to as permittee) identified below is authorized by the Department of Environmental Protection (Department) to operate the air emission source(s) more fully described in this permit. This Facility is subject to all terms and conditions specified in this permit. Nothing in this permit relieves the permittee from its obligations to comply with all applicable Federal, State and Local laws and regulations.

The regulatory or statutory authority for each permit condition is set forth in brackets. All terms and conditions in this permit are federally enforceable unless otherwise designated.

State Only Permit No: 67-05013

Synthetic Minor

Federal Tax Id - Plant Code: 25-1549447-1

Owner Information

Name: YORK CITY SEW AUTH YORK CNTY
Mailing Address: 1701 BLACK BRIDGE RD
YORK, PA 17402-1911

Plant Information

Plant: YORK CITY SEWER AUTH/YORK CITY WWTP
Location: 67 York County 67939 Manchester Township
SIC Code: 4952 Trans. & Utilities - Sewerage Systems

Responsible Official

Name: JAMES E GROSS
Title: DIRECTOR OF PUBLIC WORKS
Phone: (717) 845 - 2794

Permit Contact Person

Name: HIDALGO DIAZ
Title: SHIFT SUPERVISOR
Phone: (717) 845 - 2794

[Signature] _____
WILLIAM R. WEAVER, SOUTH CENTRAL REGION AIR PROGRAM MANAGER

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Note: These same sub-sections are repeated for each source!

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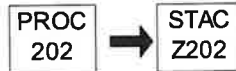
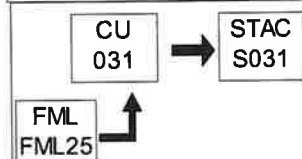
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SECTION A. Site Inventory List

Source ID	Source Name	Capacity/Throughput	Fuel/Material
031	THREE BRYAN BOILERS (MODEL K300-W-G, 3 MMBTU/HR EACH)	9.000 MMBTU/HR	
		9.000 MCF/HR	Natural Gas
099	TWO WASTE GAS BURNERS (GROTH)	16.200 MCF/HR	DIGESTER GAS
101	WASTEWATER TREATMENT PLANT	1.100 M Gal/HR	WASTEWATER
202	IMMERSION COLD CLEANING MACHINE(S)	5.000 Lbs/HR	VOC
FML25	NATURAL GAS PIPELINE		
S031	SOURCE 031 STACK		
Z099	SOURCE 099 FUGITIVE EMISSION		
Z101	SOURCE 101 FUGITIVE EMISSION		
Z202	SOURCE 202 FUGITIVE EMISSION		

PERMIT MAPS



**SECTION B. General State Only Requirements****#001 [25 Pa. Code § 121.1]****Definitions.**

Words and terms that are not otherwise defined in this permit shall have the meanings set forth in Section 3 of the Air Pollution Control Act (35 P.S. § 4003) and in 25 Pa. Code § 121.1.

#002 [25 Pa. Code § 127.446]**Operating Permit Duration.**

(a) This operating permit is issued for a fixed term of five (5) years and shall expire on the date specified on Page 1 of this permit.

(b) The terms and conditions of the expired permit shall automatically continue pending issuance of a new operating permit, provided the permittee has submitted a timely and complete application and paid applicable fees required under 25 Pa. Code Chapter 127, Subchapter I and the Department is unable, through no fault of the permittee, to issue or deny a new permit before the expiration of the previous permit.

#003 [25 Pa. Code §§ 127.412, 127.413, 127.414, 127.446 & 127.703(b)&(c)]**Permit Renewal.**

(a) The permittee shall submit a timely and complete application for renewal of the operating permit to the appropriate Regional Air Program Manager. The application for renewal of the operating permit shall be submitted at least six (6) months and not more than 18 months before the expiration date of this permit.

(b) The application for permit renewal shall include the current permit number, a description of any permit revisions that occurred during the permit term, and any applicable requirements that were promulgated and not incorporated into the permit during the permit term. An application is complete if it contains sufficient information to begin processing the application, has the applicable sections completed and has been signed by a responsible official.

(c) The permittee shall submit with the renewal application a fee for the processing of the application and an additional annual administrative fee as specified in 25 Pa. Code § 127.703(b) and (c). The fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund" and shall be for the amount specified in the following schedule specified in 25 Pa. Code § 127.703(b) and (c).

(1) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

(d) The renewal application shall also include submission of proof that the local municipality and county, in which the facility is located, have been notified in accordance with 25 Pa. Code § 127.413.

(e) The application for renewal of the operating permit shall also include submission of supplemental compliance review forms in accordance with the requirements of 25 Pa. Code § 127.412(b) and § 127.412(j).

(f) The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information as necessary to address any requirements that become applicable to the source after the permittee submits a complete application, but prior to the date the Department takes action on the permit application.

#004 [25 Pa. Code § 127.703]**Operating Permit Fees under Subchapter I.**

(a) The permittee shall pay fees according to the following schedule specified in 25 Pa. Code § 127.703(b):

(1) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(2) Three hundred seventy-five dollars for applications filed for the calendar years beginning in 2005.

This fee schedule shall apply to the processing of an application for an operating permit as well as the extension,

**SECTION B. General State Only Requirements**

modification, revision, renewal, and re-issuance of each operating permit or part thereof.

(b) The permittee shall pay an annual operating permit administrative fee according to the fee schedule established in 25 Pa. Code § 127.703(c).

(1) Two hundred fifty dollars for applications filed during the 1995-1999 calendar years.

(2) Three hundred dollars for applications filed during the 2000-2004 calendar years.

(3) Three hundred seventy-five dollars for applications filed during the years beginning in 2005.

(c) The applicable fees shall be made payable to "The Commonwealth of Pennsylvania - Clean Air Fund".

#005 [25 Pa. Code §§ 127.450 (a)(4) and 127.464]**Transfer of Operating Permits.**

(a) This operating permit may not be transferred to another person, except in cases of transfer-of-ownership that are documented and approved by the Department.

(b) In accordance with 25 Pa. Code § 127.450(a)(4), a change in ownership of the source shall be treated as an administrative amendment if the Department determines that no other change in the permit is required and a written agreement has been submitted to the Department identifying the specific date of the transfer of permit responsibility, coverage and liability between the current and the new permittee and a compliance review form has been submitted to, and the permit transfer has been approved by, the Department.

(c) This operating permit is valid only for those specific sources and the specific source locations described in this permit.

#006 [25 Pa. Code § 127.441 and 35 P.S. § 4008]**Inspection and Entry.**

(a) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Department or authorized representatives of the Department to perform the following:

(1) Enter at reasonable times upon the permittee's premises where a source is located or emissions related activity is conducted, or where records are kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that are kept under the conditions of this permit;

(3) Inspect at reasonable times, any facilities, equipment including monitoring and air pollution control equipment, practices, or operations regulated or required under this permit;

(4) Sample or monitor, at reasonable times, any substances or parameters, for the purpose of assuring compliance with the permit or applicable requirements as authorized by the Clean Air Act, the Air Pollution Control Act, or the regulations promulgated under the Acts.

(b) Pursuant to 35 P.S. § 4008, no person shall hinder, obstruct, prevent or interfere with the Department or its personnel in the performance of any duty authorized under the Air Pollution Control Act or regulations adopted thereunder including denying the Department access to a source at this facility. Refusal of entry or access may constitute grounds for permit revocation and assessment of criminal and/or civil penalties.

(c) Nothing in this permit condition shall limit the ability of the EPA to inspect or enter the premises of the permittee in accordance with Section 114 or other applicable provisions of the Clean Air Act.

#007 [25 Pa. Code §§ 127.441 & 127.444]**Compliance Requirements.**

(a) The permittee shall comply with the conditions of this operating permit. Noncompliance with this permit constitutes

**SECTION B. General State Only Requirements**

a violation of the Clean Air Act and the Air Pollution Control Act and is grounds for one or more of the following:

- (1) Enforcement action
- (2) Permit termination, revocation and reissuance or modification
- (3) Denial of a permit renewal application

(b) A person may not cause or permit the operation of a source which is subject to 25 Pa. Code Article III unless the source(s) and air cleaning devices identified in the application for the plan approval and operating permit and the plan approval issued for the source is operated and maintained in accordance with specifications in the applications and the conditions in the plan approval and operating permit issued by the Department. A person may not cause or permit the operation of an air contamination source subject to 25 Pa. Code Chapter 127 in a manner inconsistent with good operating practices.

(c) For purposes of Sub-condition (b) of this permit condition, the specifications in applications for plan approvals and operating permits are the physical configurations and engineering design details which the Department determines are essential for the permittee's compliance with the applicable requirements in this State-Only permit. Nothing in this sub-condition shall be construed to create an independent affirmative duty upon the permittee to obtain a predetermination from the Department for physical configuration or engineering design detail changes made by the permittee.

#008 [25 Pa. Code § 127.441]**Need to Halt or Reduce Activity Not a Defense.**

It shall not be a defense for the permittee in an enforcement action that it was necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

#009 [25 Pa. Code §§ 127.442(a) & 127.461]**Duty to Provide Information.**

(a) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of each source at the facility.

(b) The permittee shall furnish to the Department, in writing, information that the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. Upon request, the permittee shall also furnish to the Department copies of records that the permittee is required to maintain in accordance with this permit.

#010 [25 Pa. Code § 127.461]**Revising an Operating Permit for Cause.**

This operating permit may be terminated, modified, suspended or revoked and reissued if one or more of the following applies:

- (1) The permittee constructs or operates the source subject to the operating permit so that it is in violation of the Air Pollution Control Act, the Clean Air Act, the regulations thereunder, a plan approval, a permit or in a manner that causes air pollution.
- (2) The permittee fails to properly or adequately maintain or repair an air pollution control device or equipment attached to or otherwise made a part of the source.
- (3) The permittee has failed to submit a report required by the operating permit or an applicable regulation.
- (4) The EPA determines that the permit is not in compliance with the Clean Air Act or the regulations thereunder.

#011 [25 Pa. Code §§ 127.450 & 127.462]**Operating Permit Modifications**

(a) The permittee is authorized to make administrative amendments, minor operating permit modifications and

**SECTION B. General State Only Requirements**

significant operating permit modifications, under this permit, as outlined below:

(b) **Administrative Amendments.** The permittee shall make administrative operating permit amendments (as defined in 25 Pa. Code § 127.450(a)), according to procedures specified in § 127.450 unless precluded by the Clean Air Act or its regulations.

(c) **Minor Operating Permit Modifications.** The permittee shall make minor operating permit modifications (as defined 25 Pa. Code § 121.1) in accordance with 25 Pa. Code § 127.462.

(d) Permit modifications which do not qualify as minor permit modifications under 25 Pa. Code § 127.541 will be treated as a significant operating permit revision subject to the public notification procedures in §§ 127.424 and 127.425.

#012 [25 Pa. Code § 127.441]**Severability Clause.**

The provisions of this permit are severable, and if any provision of this permit is determined by a court of competent jurisdiction to be invalid or unenforceable, such a determination will not affect the remaining provisions of this permit.

#013 [25 Pa. Code § 127.449]**De Minimis Emission Increases.**

(a) This permit authorizes de minimis emission increases in accordance with 25 Pa. Code § 127.449 so long as the permittee provides the Department with seven (7) days prior written notice before commencing any de minimis emissions increase. The written notice shall:

(1) Identify and describe the pollutants that will be emitted as a result of the de minimis emissions increase.

(2) Provide emission rates expressed in tons per year and in terms necessary to establish compliance consistent with any applicable requirement.

(b) The Department may disapprove or condition de minimis emission increases at any time.

(c) Except as provided below in (d), the permittee is authorized to make de minimis emission increases (expressed in tons per year) up to the following amounts without the need for a plan approval or prior issuance of a permit modification:

(1) Four tons of carbon monoxide from a single source during the term of the permit and 20 tons of carbon monoxide at the facility during the term of the permit.

(2) One ton of NO_x from a single source during the term of the permit and 5 tons of NO_x at the facility during the term of the permit.

(3) One and six-tenths tons of the oxides of sulfur from a single source during the term of the permit and 8.0 tons of oxides of sulfur at the facility during the term of the permit.

(4) Six-tenths of a ton of PM₁₀ from a single source during the term of the permit and 3.0 tons of PM₁₀ at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(5) One ton of VOCs from a single source during the term of the permit and 5.0 tons of VOCs at the facility during the term of the permit. This shall include emissions of a pollutant regulated under Section 112 of the Clean Air Act unless precluded by the Clean Air Act, the regulations thereunder or 25 Pa. Code Article III.

(6) Other sources and classes of sources determined to be of minor significance by the Department.

(d) In accordance with § 127.14, the permittee is authorized to install the following minor sources without the need for a plan approval or permit modification:

**SECTION B. General State Only Requirements**

- (1) Air conditioning or ventilation systems not designed to remove pollutants generated or released from other sources.
- (2) Combustion units rated at 2,500,000 or less Btu per hour of heat input.
- (3) Combustion units with a rated capacity of less than 10,000,000 Btu per hour heat input fueled by natural gas supplied by a public utility or by commercial fuel oils which are No. 2 or lighter, viscosity less than or equal to 5.82 c St, and which meet the sulfur content requirements of 25 Pa. Code §123.22 (relating to combustion units). For purposes of this permit, commercial fuel oil shall be virgin oil which has no reprocessed, recycled or waste material added.
- (4) Space heaters which heat by direct heat transfer.
- (5) Laboratory equipment used exclusively for chemical or physical analysis.
- (6) Other sources and classes of sources determined to be of minor significance by the Department.
- (e) This permit does not authorize de minimis emission increases if the emissions increase would cause one or more of the following:
- (1) Increase the emissions of a pollutant regulated under Section 112 of the Clean Air Act except as authorized in Subparagraphs (c)(4) and (5) of this permit condition.
- (2) Subject the facility to the prevention of significant deterioration requirements in 25 Pa. Code Chapter 127, Subchapter D and/or the new source review requirements in Subchapter E.
- (3) Violate any applicable requirement of this permit, the Air Pollution Control Act, the Clean Air Act, or the regulations promulgated under either of the acts.
- (f) Emissions authorized under this permit condition shall be included in the monitoring, recordkeeping and reporting requirements of this permit.
- (g) Except for de minimis emission increases, installation of minor sources made pursuant to this permit condition and Plan Approval Exemptions under 25 Pa. Code § 127.14 (relating to exemptions), the permittee is prohibited from making changes or engaging in activities that are not specifically authorized under this permit without first applying for a plan approval. In accordance with § 127.14(b), a plan approval is not required for the construction, modification, reactivation, or installation of the sources creating the de minimis emissions increase.
- (h) The permittee may not meet de minimis emission threshold levels by offsetting emission increases or decreases at the same source.

#014 [25 Pa. Code § 127.3]**Operational Flexibility.**

The permittee is authorized to make changes within the facility in accordance with the regulatory provisions outlined in 25 Pa. Code § 127.3 (relating to operational flexibility) to implement the operational flexibility requirements provisions authorized under Section 6.1(i) of the Air Pollution Control Act and the operational flexibility terms and conditions of this permit. The provisions in 25 Pa. Code Chapter 127 which implement the operational flexibility requirements include the following:

- (1) Section 127.14 (relating to exemptions)
- (2) Section 127.447 (relating to alternative operating scenarios)
- (3) Section 127.448 (relating to emissions trading at facilities with Federally enforceable emissions caps)
- (4) Section 127.449 (relating to de minimis emission increases)
- (5) Section 127.450 (relating to administrative operating permit amendments)

**SECTION B. General State Only Requirements**

(6) Section 127.462 (relating to minor operating permit modifications)

(7) Subchapter H (relating to general plan approvals and general operating permits)

#015 [25 Pa. Code § 127.11]**Reactivation**

(a) The permittee may not reactivate a source that has been out of operation or production for at least one year unless the reactivation is conducted in accordance with a plan approval granted by the Department or in accordance with reactivation and maintenance plans developed and approved by the Department in accordance with 25 Pa. Code § 127.11a(a).

(b) A source which has been out of operation or production for more than five (5) years but less than 10 years may be reactivated and will not be considered a new source if the permittee satisfies the conditions specified in 25 Pa. Code § 127.11a(b).

#016 [25 Pa. Code § 127.36]**Health Risk-based Emission Standards and Operating Practice Requirements.**

(a) When needed to protect public health, welfare and the environment from emissions of hazardous air pollutants from new and existing sources, the permittee shall comply with the health risk-based emission standards or operating practice requirements imposed by the Department, except as precluded by §§ 6.6(d)(2) and (3) of the Air Pollution Control Act [35 P.S. § 4006.6(d)(2) and (3)].

(b) A person challenging a performance or emission standard established by the Department has the burden to demonstrate that performance or emission standard does not meet the requirements of Section 112 of the Clean Air Act.

#017 [25 Pa. Code § 121.9]**Circumvention.**

No person may permit the use of a device, stack height which exceeds good engineering practice stack height, dispersion technique or other technique which, without resulting in reduction of the total amount of air contaminants emitted, conceals or dilutes an emission of air contaminants which would otherwise be in violation of 25 Pa. Code Article III, except that with prior approval of the Department, the device or technique may be used for control of malodors.

#018 [25 Pa. Code §§ 127.402(d) & 127.442]**Reporting Requirements.**

(a) The permittee shall comply with the applicable reporting requirements of the Clean Air Act, the regulations thereunder, the Air Pollution Control Act and 25 Pa. Code Article III including Chapters 127, 135 and 139.

(b) The permittee shall submit reports to the Department containing information the Department may prescribe relative to the operation and maintenance of any air contamination source.

(c) Reports, test data, monitoring data, notifications and requests for renewal of the permit shall be submitted to the:

Regional Air Program Manager
PA Department of Environmental Protection
(At the address given in the permit transmittal letter, or otherwise notified)

(d) Any records or information including applications, forms, or reports submitted pursuant to this permit condition shall contain a certification by a responsible official as to truth, accuracy and completeness. The certifications submitted under this permit shall require a responsible official of the facility to certify that based on information and belief formed after reasonable inquiry, the statements and information in the documents are true, accurate and complete.

(e) Any records, reports or information submitted to the Department shall be available to the public except for such

**SECTION B. General State Only Requirements**

records, reports or information which meet the confidentiality requirements of § 4013.2 of the Air Pollution Control Act and §§ 112(d) and 114(c) of the Clean Air Act. The permittee may not request a claim of confidentiality for any emissions data generated for the facility.

#019 [25 Pa. Code §§ 127.441(c) & 135.5]**Sampling, Testing and Monitoring Procedures.**

(a) The permittee shall comply with the monitoring, recordkeeping or reporting requirements of 25 Pa. Code Chapter 139 and the other applicable requirements of 25 Pa. Code Article III and additional requirements related to monitoring, reporting and recordkeeping required by the Clean Air Act and the regulations thereunder including the Compliance Assurance Monitoring requirements of 40 CFR Part 64, where applicable.

(b) Unless alternative methodology is required by the Clean Air Act and regulations adopted thereunder, sampling, testing and monitoring required by or used by the permittee to demonstrate compliance with any applicable regulation or permit condition shall be conducted in accordance with the requirements of 25 Pa. Code Chapter 139.

#020 [25 Pa. Code §§ 127.441(c) and 135.5]**Recordkeeping.**

(a) The permittee shall maintain and make available, upon request by the Department, the following records of monitored information:

- (1) The date, place (as defined in the permit) and time of sampling or measurements.
- (2) The dates the analyses were performed.
- (3) The company or entity that performed the analyses.
- (4) The analytical techniques or methods used.
- (5) The results of the analyses.
- (6) The operating conditions as existing at the time of sampling or measurement.

(b) The permittee shall retain records of any required monitoring data and supporting information for at least five (5) years from the date of the monitoring, sample, measurement, report or application. Supporting information includes the calibration data and maintenance records and original strip-chart recordings for continuous monitoring instrumentation, and copies of reports required by the permit.

(c) The permittee shall maintain and make available to the Department upon request, records including computerized records that may be necessary to comply with the reporting, recordkeeping and emission statement requirements in 25 Pa. Code Chapter 135 (relating to reporting of sources). In accordance with 25 Pa. Code Chapter 135, § 135.5, such records may include records of production, fuel usage, maintenance of production or pollution control equipment or other information determined by the Department to be necessary for identification and quantification of potential and actual air contaminant emissions.

#021 [25 Pa. Code § 127.441(a)]**Property Rights.**

This permit does not convey any property rights of any sort, or any exclusive privileges.

#022 [25 Pa. Code § 127.447]**Alternative Operating Scenarios.**

The permittee is authorized to make changes at the facility to implement alternative operating scenarios identified in this permit in accordance with 25 Pa. Code § 127.447.

**SECTION C. Site Level Requirements****I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall not allow the emission into the outdoor atmosphere of a fugitive air contaminant from a source other than the following:

- (a) Construction or demolition of buildings or structures.
- (b) Grading, paving, and maintenance of roads and streets.
- (c) Use of roads and streets. Emissions from material in or on trucks, railroad cars, and other vehicular equipment are not considered as emissions from use of roads and streets.
- (d) Clearing of land.
- (e) Stockpiling of materials.
- (f) Sources and classes of sources other than those identified in (a)-(e), above, for which the permittee has obtained a determination from the Department that fugitive emissions from the source, after appropriate control, meet the following requirements:
 - (1) The emissions are of minor significance with respect to causing air pollution; and
 - (2) The emissions are not preventing or interfering with the attainment or maintenance of any ambient air quality standard.

002 [25 Pa. Code §123.2]**Fugitive particulate matter**

The permittee shall not allow the emission of fugitive particulate matter into the outdoor atmosphere from a source specified in Section C, Condition #001, if the emissions are visible at the point the emissions pass outside the permittee's property.

003 [25 Pa. Code §123.31]**Limitations**

The permittee shall not allow the emission into the outdoor atmosphere of any malodorous air contaminants from any source in such a manner that the malodors are detectable outside the permittee's property.

004 [25 Pa. Code §123.41]**Limitations**

The permittee shall not allow the emission into the outdoor atmosphere of visible air contaminants in such a manner that the opacity of the emission is either of the following:

- (a) Equal to or greater than 20% for a period or periods aggregating more than three minutes in any one hour.
- (b) Equal to or greater than 60% at any time.

005 [25 Pa. Code §123.42]**Exceptions**

The emission limitations of Condition #004 of Section C shall not apply when:

- (a) The presence of uncombined water is the only reason for failure of the emission to meet the limitations.
- (b) The emission results from the operation of equipment used solely to train and test persons in observing the opacity of visible emissions.
- (c) The emission results from sources specified in Condition #001(a)-(f) of Section C.

**SECTION C. Site Level Requirements****# 006 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for part (a) of this permit condition is also derived from RACT Operating Permit No. 67-2013]

The permittee shall limit the facility's annual emissions to less than the following thresholds during any consecutive 12-month period:

- (a) 100 tons per year (TPY) of nitrogen oxides (NO_x).
- (b) 100 TPY of carbon monoxide (CO).
- (c) 50 TPY of volatile organic compounds (VOC).
- (d) 100 TPY of sulfur oxides (SO_x).
- (e) 100 TPY of PM-10 (particulate matter having an effective aerodynamic diameter less than or equal to a nominal 10 micron body).
- (f) 10 TPY of any individual hazardous air pollutant (HAP).
- (g) 25 TPY of aggregate HAPs.

007 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from RACT Operating Permit No. 67-2013]

The permittee shall limit the facility's hourly nitrogen oxides (NO_x) emissions to less than 80 pounds.

008 [25 Pa. Code §129.14]**Open burning operations**

The permittee shall not permit the open burning of material on the permittee's property except when the open burning operations result from:

- (a) A fire set to prevent or abate a fire hazard, when approved by the Department and set by or under the supervision of a public officer.
- (b) A fire set for the purpose of instructing personnel in fire fighting, when approved by the Department.
- (c) A fire set for the prevention and control of disease or pests, when approved by the Department.
- (d) A fire set solely for recreational or ceremonial purposes.
- (e) A fire set solely for cooking food.

II. TESTING REQUIREMENTS.**# 009 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The Department reserves the right to require exhaust stack testing of the sources referenced in this permit to measure emissions for purposes including verification of permit condition compliance and estimation of annual air emissions.

010 [25 Pa. Code §139.1]**Sampling facilities.**

Upon the request of the Department, the permittee shall provide adequate sampling ports, safe sampling platforms and adequate utilities for the performance by the Department of tests on such sources. In the request, the Department will set forth the time period in which the facilities shall be provided as well as the specifications for such facilities.

011 [25 Pa. Code §139.11]**General requirements.**

(a) As specified in 25 Pa. Code Section 139.11(1), performance tests shall be conducted while the source is operating at maximum routine operating conditions or under such other conditions, within the capacity of the equipment, as may be requested by the Department.

(b) As specified in 25 Pa. Code Section 139.11(2), the Department will consider test results for approval where sufficient

**SECTION C. Site Level Requirements**

information is provided to verify the source conditions existing at the time of the test and where adequate data is available to show the manner in which the test was conducted. Information submitted to the Department shall include, at a minimum, all of the following:

- (1) A thorough source description, including a description of any air cleaning devices and the flue.
- (2) Process conditions, for example, the fuel firing rate, boiler pressure or temperature, and other conditions which may affect emissions from the process.
- (3) The location of the sampling ports.
- (4) Effluent characteristics, including velocity, temperature, moisture content, gas density (percentage CO, CO₂, O₂, and N₂), static and barometric pressures.
- (5) Sample collection techniques employed, including procedures used, equipment descriptions, and data to verify that isokinetic sampling for particulate matter collection occurred and that acceptable test conditions were met.
- (6) Laboratory procedures and results.
- (7) Calculated results.

III. MONITORING REQUIREMENTS.**# 012 [25 Pa. Code §123.43]****Measuring techniques**

Visible emissions may be measured using either of the following:

- (a) A device approved by the Department and maintained to provide accurate opacity measurements (e.g. Continuous Opacity Monitor).
- (b) Observers trained and certified in EPA Reference Method 9 to measure plume opacity with the naked eye; or with the aid of any device(s) approved by the Department.

013 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall conduct a weekly inspection around the plant periphery during daylight hours when the plant is in production to detect visible emissions, fugitive particulate matter emissions, and malodorous air contaminants. Weekly inspections are necessary to determine:

- (a) The presence of visible emissions. Visible emissions may be measured according to the methods specified in Condition #012 of Section C. Alternately, plant personnel who observe visible emissions may report the incidence of visible emissions to the Department within two (2) hours of the incident and make arrangements for a certified observer to measure the visible emissions.
- (b) The presence of fugitive particulate matter emissions beyond the plant property boundaries, as stated in Condition #002 of Section C.
- (c) The presence of malodorous air contaminants beyond the plant property boundaries, as stated in Condition #003 of Section C.

014 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall calculate hourly NO_x emissions and monthly air emissions from the facility facility using AP-42 emission factors, manufacturer-supplied emission factors, test data, or other method(s) approved by the Department in order to demonstrate compliance with Conditions #006 and #007 of Section C. [Note: The hourly requirement may be satisfied without actual calculations for each hour, by the facility maintaining the current source inventory which is physically incapable of exceeding the NO_x limit in above Condition #007.]

**SECTION C. Site Level Requirements****IV. RECORDKEEPING REQUIREMENTS.****# 015 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

(a) The permittee shall maintain records of the weekly inspections referenced in Condition #013 of Section C. The records shall include, at a minimum, the following information:

- (1) The name of the company representative monitoring each inspection.
- (2) The date and time of each inspection.
- (3) The wind direction during each inspection.
- (4) A description of the emissions and/or malodors observed and actions taken to mitigate them.

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

016 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall maintain records of the monthly usage of each fuel consumed at the entire facility.

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

017 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

(a) The permittee shall maintain records of monthly and/or hourly emissions as referenced in above Condition #014.

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.**# 018 [25 Pa. Code §127.442]****Reporting requirements.**

The permittee shall report malfunctions to the Department. As defined in 40 CFR Section 60.2 and incorporated by reference in 25 Pa. Code Chapter 122, a malfunction is any sudden, infrequent and not reasonably preventable failure of air pollution control equipment, process equipment, or a process to operate in a normal or usual manner that may result in an increase in air emissions. Failures that are caused in part by poor maintenance or careless operation are not malfunctions. Malfunctions shall be reported as follows:

(a) Any malfunction which poses an imminent danger to the public health, safety, welfare, and environment, shall be immediately reported to the Department by telephone. The telephone report of such malfunctions shall occur no later than two (2) hours after the incident. The telephone report can be made to the Department's Air Quality Program at (717)-771-0481 during normal business hours or to the Department's Emergency Hot Line at 1-866-825-0208, at any time. The permittee shall submit a written report of instances of such malfunctions to the Department within three (3) days of the telephone report.

(b) Unless otherwise required by this permit, any other malfunction that is not subject to the reporting requirements of part (a), above, shall be reported to the Department, in writing, within five (5) days of malfunction discovery.

019 [25 Pa. Code §135.3]**Reporting**

(a) An annual air emissions report for a given calendar year is due no later than March 1 of the following year, and shall be submitted to the York District Supervisor unless otherwise specified.

(b) The permittee may request an extension of time from the Department for the filing of the annual report specified in part (a), above, and the Department may grant the extension for reasonable cause.

**SECTION C. Site Level Requirements****VI. WORK PRACTICE REQUIREMENTS.****# 020 [25 Pa. Code §123.1]****Prohibition of certain fugitive emissions**

The permittee shall take all reasonable actions to prevent particulate matter from becoming airborne from any source specified in Condition #001(a)-(f) of Section C. These actions shall include, but not be limited to, the following:

- (a) Use, where possible, of water or chemicals for control of dust in the demolition of buildings or structures, construction operations, the grading of roads, or the clearing of land.
- (b) Application of asphalt, oil, water, or suitable chemicals on dirt roads, material stockpiles and other surfaces which may give rise to airborne dusts.
- (c) Paving and maintenance of roadways.
- (d) Prompt removal of earth or other material from paved streets onto which earth or other material has been transported by trucking or earth moving equipment, erosion by water, or other means.

021 [25 Pa. Code §127.444]**Compliance requirements.**

The permittee shall operate and maintain all sources and any air cleaning devices identified in this operating permit in accordance with the manufacturer's recommendations/specifications, as well as in a manner consistent with good operating practices.

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VIII. COMPLIANCE CERTIFICATION.

No additional compliance certifications exist except as provided in other sections of this permit including Section B (relating to State Only General Requirements).

IX. COMPLIANCE SCHEDULE.

No compliance milestones exist.

**SECTION D. Source Level Requirements**

Source ID: 031

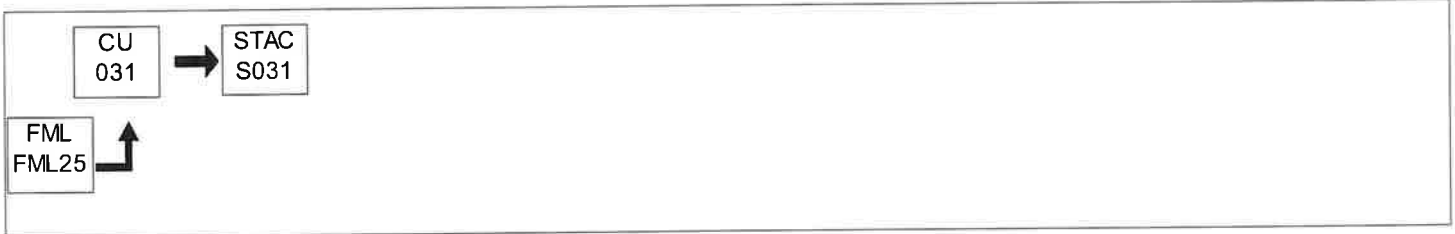
Source Name: THREE BRYAN BOILERS (MODEL K300-W-G, 3 MMBTU/HR EACH)

Source Capacity/Throughput:

9.000 MMBTU/HR

9.000 MCF/HR

Natural Gas

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §123.11]****Combustion units**

The permittee shall not allow the emission into the outdoor atmosphere of particulate matter from any of the individual boilers in excess of the rate of 0.4 pound per million BTU of heat input.

002 [25 Pa. Code §123.22]**Combustion units**

The permittee shall not allow the emission into the outdoor atmosphere of sulfur oxides (expressed as SO₂) from any of the individual boilers in excess of the rate of four (4) pounds per million BTU of heat input over a one (1) hour period.

[Compliance with the requirement(s) specified in this streamlined permit condition assures compliance with the SIP-approved sulfur dioxide (SO₂) emission limit specified in 40 CFR Section 52.2020(c)(1)]

003 [25 Pa. Code §127.441]**Operating permit terms and conditions.**

The permittee shall operate each of the boilers using natural gas fuel only.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.**# 004 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall calculate monthly air emissions from the boilers using AP-42 emission factors, manufacturer-supplied emission factors, stack test data, or other method(s) approved by the Department.

IV. RECORDKEEPING REQUIREMENTS.**# 005 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from RACT Operating Permit No. 67-2013]

The permittee shall maintain the following records for the boilers:

- (a) Cumulative monthly and annual natural gas usage.
- (b) Cumulative monthly and annual air emissions (e.g. CO, NO_x, SO₂, VOC, PM-10).
- (c) Monthly and annual days and hours of operation of each boiler.

**SECTION D. Source Level Requirements**

The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.

006 [25 Pa. Code §127.441]

Operating permit terms and conditions.

[Additional authority for this permit condition is also derived from 25 Pa. Code Section 135.3 and RACT Operating Permit No. 67-2013]

The permittee shall include the following information in the annual air emissions report described in Section C, Condition #019(a), for the boilers:

- (a) Cumulative monthly and annual natural gas usage.
- (b) Cumulative monthly and annual air emissions (e.g. CO, NOx, SO2, VOC, PM-10).
- (c) Monthly and annual days and hours of operation of each boiler.

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements**

Source ID: 099

Source Name: TWO WASTE GAS BURNERS (GROTH)

Source Capacity/Throughput:

16.200 MCF/HR

DIGESTER GAS

PROC
099STAC
Z099**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

[Additional authority for this permit condition is also derived from RACT Operating Permit No. 67-2013]

(a) The permittee shall maintain the following records for Source ID 099:

- (1) Monthly and annual waste gas burned.
- (2) Monthly and annual air emissions (e.g. CO, NO_x, SO₂, VOC, PM-10).
- (3) Monthly and annual days and hours of operation (by fuel type).

(b) The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.**# 002 [25 Pa. Code §135.3]****Reporting**

[Additional authority for this permit condition is also derived from RACT Operating Permit No. 67-2013]

The permittee shall include the following information in the annual air emissions report described in Section C, Condition #019(a), for Source ID 099:

- (a) Monthly and annual waste gas burned.
- (b) Monthly and annual air emissions (e.g. CO, NO_x, SO₂, VOC, PM-10).
- (c) Monthly and annual days and hours of operation.

**SECTION D. Source Level Requirements****VI. WORK PRACTICE REQUIREMENTS.**

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements**

Source ID: 101

Source Name: WASTEWATER TREATMENT PLANT

Source Capacity/Throughput:

1.100 MGal/HR

WASTEWATER

**I. RESTRICTIONS.**

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 001 [25 Pa. Code §127.441]****Operating permit terms and conditions.**

The permittee shall maintain the following records for Source ID 101:

- (a) Monthly and annual waste water treatment volume (in gallons).
- (b) Monthly and annual air emissions (e.g. VOC, xylene, toluene).

The permittee shall retain these records for a minimum of five (5) years. The records shall be made available to the Department upon its request.

V. REPORTING REQUIREMENTS.**# 002 [25 Pa. Code §135.3]****Reporting**

The permittee shall include the following information in the annual air emissions report described in Section C, Condition #019(a), for this source:

- (a) Monthly and annual waste water treatment volume (in gallons).
- (b) Monthly and annual air emissions (e.g. VOC, xylene, toluene).

VI. WORK PRACTICE REQUIREMENTS.

No additional work practice requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VII. ADDITIONAL REQUIREMENTS.

No additional requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

**SECTION D. Source Level Requirements**

Source ID: 202

Source Name: IMMERSION COLD CLEANING MACHINE(S)

Source Capacity/Throughput:

5.000 Lbs/HR

VOC

**I. RESTRICTIONS.****Emission Restriction(s).****# 001 [25 Pa. Code §129.63]****Degreasing operations**

(a) The permittee may not use in Source ID 202 any solvent with a vapor pressure of 1.0 millimeter of mercury (mm Hg) or greater and containing greater than 5% VOC by weight, measured at 20°C (68°F) containing VOCs.

(b) This permit condition does not apply:

(1) If Source ID 202 is used in extreme cleaning service. Extreme cleaning service is defined as the use of a cold cleaning machine to clean parts used in the manufacture of the following gases or to clean parts exposed to these gases in manufacturing, production, research and development, analytical work, or other similar operations:

- (A) Oxygen in concentrations greater than 23%
- (B) Ozone
- (C) Nitrous oxide
- (D) Fluorine
- (E) Chlorine
- (F) Bromine
- (G) Halogenated compounds

(2) If the permittee demonstrates, and the Department approves in writing, that compliance with this permit condition will result in unsafe operating conditions.

(3) If Source ID 202's freeboard ratio is equal to or greater than 0.75.

II. TESTING REQUIREMENTS.

No additional testing requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

III. MONITORING REQUIREMENTS.

No additional monitoring requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

IV. RECORDKEEPING REQUIREMENTS.**# 002 [25 Pa. Code §129.63]****Degreasing operations**

The permittee shall maintain the following records for Source ID 202:

- (a) The name and address of the solvent supplier.
- (b) The type of solvent including the product or vendor identification number.
- (c) The vapor pressure of the solvent measured in mm Hg at 20°C (68°F).

An invoice, bill of sale, certificate that corresponds to a number of sales, Material Safety Data Sheet (MSDS), or other

**SECTION D. Source Level Requirements**

appropriate documentation acceptable to the Department may be used to comply with this section.

The permittee shall retain these records for a minimum of five (5) years and shall make them available to the Department upon its request.

V. REPORTING REQUIREMENTS.

No additional reporting requirements exist except as provided in other sections of this permit including Section B (State Only General Requirements).

VI. WORK PRACTICE REQUIREMENTS.**# 003 [25 Pa. Code §129.63]****Degreasing operations**

Source ID 202 shall have a permanent, conspicuous label summarizing the operating requirements in Condition #006, below. In addition, the label shall include the following discretionary good operating practices:

(a) Cleaned parts should be drained at least 15 seconds or until dripping ceases, whichever is longer. Parts having cavities or blind holes shall be tipped or rotated while the part is draining. During the draining, tipping or rotating, the parts should be positioned so that solvent drains directly back to the Source ID 202 machine.

(b) When a pump-agitated solvent bath is used, the agitator should be operated to produce a rolling motion of the solvent with no observable splashing of the solvent against the tank walls or the parts being cleaned.

(c) Work area fans should be located and positioned so that they do not blow across the opening of the degreaser unit.

004 [25 Pa. Code §129.63]**Degreasing operations**

Each Source ID 202 machine shall be equipped with a cover that shall be closed at all times except during cleaning of parts or the addition or removal of solvent.

005 [25 Pa. Code §129.63]**Degreasing operations**

The permittee shall operate each Source ID 202 machine in accordance with the following procedures:

(a) Waste solvent shall be collected and stored in closed containers. The closed containers may contain a device that allows pressure relief, but does not allow liquid solvent to drain from the container.

(b) Sponges, fabric, wood, leather, paper products and other absorbent materials may not be cleaned in Source ID 202.

(c) Air-agitated solvent baths may not be used.

(d) Spills during solvent transfer and use of Source ID 202 shall be cleaned up immediately.

006 [25 Pa. Code §129.63]**Degreasing operations**

Each Source ID 202 machine shall have a freeboard ratio of 0.50 or greater.

As defined at 25 Pa. Code Section 121.1, the freeboard ratio is defined as the distance from the liquid solvent in the idling mode to the top edge of the cleaning machine divided by the smaller dimension (length or width) of the cleaning machine.

VII. ADDITIONAL REQUIREMENTS.**# 007 [25 Pa. Code §129.63]****Degreasing operations**

All of the aforementioned permit conditions apply to Source ID 202 so long as the cold cleaning machine uses 2 gallons or more of solvents containing greater than 5% VOC content by weight for the cleaning of metal parts.



SECTION E. Alternative Operation Requirements.

No Alternative Operations exist for this State Only facility.



SECTION F. Emission Restriction Summary.

No emission restrictions listed in this section of the permit.

**SECTION G. Miscellaneous.**

#001. The following serves as a description of some of the Source IDs:

Source IDs 031, 050, 054, 055, 056, and 099 were previously the subject of RACT Operating Permit No. 67-2013.

#002. Insignificant Source List:

The following sources do not require any work practice standards, or monitoring, recordkeeping, or reporting requirements:

(a) Miscellaneous aboveground storage tanks for ferric chloride, polymer, and sodium hypochlorite.

(b) Eight (8) microturbines, each rated at 200 kw, installed as per RFD approved 8/17/2011. They are in two batteries of three units operating on digester gas and five units operating on natural gas.

#003. This synthetic minor operating permit is renewal of the permit issued January 28, 2011 and expiration January 31, 2016.



***** End of Report *****

NPDES Permit No. PAC670168



PAG-02
AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
GENERAL PERMIT FOR DISCHARGES OF
STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES

NPDES PERMIT NO: PAC670168

In compliance with the provisions of the Clean Water Act, 33 U.S.C. Section 1251 *et seq.* and Pennsylvania's Clean Streams Law, as amended, 35 P.S. Section 691.1 *et seq.*, the Department of Environmental Protection (DEP) authorizes the permittee named below to discharge stormwater associated with small construction activities from an earth disturbance activity that involves earth disturbance greater than or equal to one acre, or an earth disturbance on any portion, part, or during any stage of a larger common plan of development or sale that involves earth disturbance greater than or equal to one acre:

Permittee

York City Sewer Authority
Stacey MacNeal
345 East Market Street
York, PA 17401

Project Site

YCSA Manchester Interceptor
1701 Black Bridge Road
York, PA 17402
Manchester Township, York County

JUL 30 2018

This authorization is subject to DEP's enclosed PAG-02 General Permit which incorporates all effluent limitations, monitoring and reporting requirements, and other terms, conditions, criteria, and special requirements for the discharge of stormwater composed entirely of stormwater associated, in whole or in part, with construction activity, as defined in this General Permit, to surface waters of this Commonwealth, including through municipal separate storm sewers and non-municipal separate storm sewers. Authorization to discharge is subject to the implementation of the plans and additional associated information submitted as part of the Notice of Intent (NOI).

APPROVAL TO DISCHARGE IN ACCORDANCE WITH THE TERMS AND CONDITIONS HEREIN IS AUTHORIZED BEGINNING ON 7/13/2018, AND WILL EXPIRE ON 7/13/2023 WHEN CONDUCTED PURSUANT TO THE TERMS AND CONDITIONS OF THE APPLICABLE PERMIT. COVERAGE MAY BE EXTENDED BY DEP OR AUTHORIZED CONSERVATION DISTRICT IF A TIMELY, ADMINISTRATIVELY COMPLETE AND ACCEPTABLE RENEWAL NOI IS SUBMITTED TO DEP OR AUTHORIZED CONSERVATION DISTRICT AT LEAST 180 DAYS PRIOR TO DATE OF COVERAGE EXPIRATION. THE PERMIT MAY BE TERMINATED PRIOR TO THE EXPIRATION DATE UPON RECEIPT AND ACKNOWLEDGEMENT OF A NOTICE OF TERMINATION FORM AND APPROVAL BY DEP OR AUTHORIZED CONSERVATION DISTRICT. NO CONDITION OF THIS PERMIT SHALL RELEASE THE PERMITTEE OR CO-PERMITTEE FROM ANY RESPONSIBILITY OR REQUIREMENT UNDER PENNSYLVANIA, OR FEDERAL ENVIRONMENTAL STATUTES, REGULATIONS, OR LOCAL ORDINANCES.

Coverage under the PAG-02 General Permit is authorized by:

Eric P. Jordan, CPESC
Assistant Manager for Programs
York County Conservation District



July 16, 2018

York City Sewer Authority
Stacey MacNeal
345 East Market Street
York PA 17401

**RE: NPDES PAG-02 Permit Authorization Letter
York City Sewer Authority Manchester Interceptor
Permit # PAC670168
Manchester Township
York County**

Dear Ms. MacNeal:

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. §§ 691.1 et seq., the York County Conservation District on behalf of the Pennsylvania Department of Environmental Protection (DEP) hereby authorizes the discharge of stormwater from York City Sewer Authority Manchester Interceptor to Codorus Creek. Please see the enclosed permit cover sheet and permit terms and conditions. The PAC670168 is effective on 7/13/2018 and will expire on 7/13/2023. All dischargers are required by Sections 402 and 611 of The Clean Streams Law, 35 P.S. §§691.402 and 691.611 to comply with the terms and conditions of their permit.

The erosion and sediment control (E&S) plan dated 7/20/2018 (enclosed) has been reviewed and is adequate to meet the minimum requirements of the DEP's PA Title 25, Chapter 102 E&S regulations and the PA Clean Streams Law provided that all Best Management Practices (BMPs) are properly implemented and maintained until the project has been completed and permanently stabilized. Please ensure that the stamped approved E&S plan is fully implemented and available at the project site at all times.

The District's E&S plan approval is valid for the duration of the project construction if no revisions are made to the approved E&S plans. If the above-referenced project has not commenced earth disturbance activities, the E&S plan approval expires 5 years from the date of this letter. This authorization does not relieve the applicant and/or operators from applying for and obtaining any and all additional permits or approvals from local, state or federal agencies.



The Conservation District has only reviewed the E&S plan to determine compliance with Chapter 102 regulations. By determining that the E&S plan is adequate to meet Chapter 102 regulations, neither the Conservation District nor the County assumes any responsibility for the implementation of the E&S plan or the implementation and maintenance of Best Management Practices (BMPs) contained in the E&S plan. The design, structural integrity, and installation of the BMPs are the responsibility of the applicant and/or operator(s).

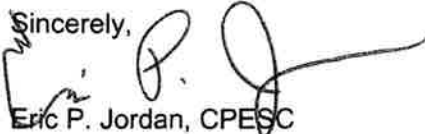
In addition to the NPDES permit authorization, the permittee and any subsequent co-permittees have additional responsibilities related to this authorization. NPDES permit requirements and federal regulations at 40 C.F.R. 122.21(b) require "when a facility or activity is owned by one person but is operated by another person, it is the operator's duty to obtain a permit" (see permit condition Part B(1)(d)(1) and (3) for transfer of permit or co-permittee requirements.) Please be advised that once an operator/contractor has been selected for the project, the NPDES permit must either be transferred to the operator/contractor or the operator/contractor must be made a co-permittee and enter into an agreement with the permittee. Please use the Transferee/Co-Permittee Application form (see www.yorkccd.org) to transfer the permit or to add a co-permittee. A pre-construction conference is also required as specified in 25 Pa. Code § 102.5(e). The purpose of this conference is to review all aspects of the permit with the permittee, co-permittees, operators, consultants, the District inspector, and licensed professionals or their designees who will be responsible for the implementation of the critical stages of the approved PCSM plan. **Please contact the District at least 7 business days prior to commencing earth disturbance activities to schedule a required preconstruction meeting.**

It is a condition of NPDES permit that as part of the maintenance program for the operation and maintenance of Best Management Practices (BMPs) the permittee or co-permittee must conduct inspections of the BMPs on a weekly basis and after each stormwater event (including the repair or replacement of BMPs) to ensure effective and efficient operation (see permit condition part A, 2(a)). The Visual Site Inspection Report Form (see www.yorkccd.org) must be used to document these required site inspections.

The Notice of Termination (NOT) form (see www.yorkccd.org) must be completed and filed when construction activities have ceased and final stabilization has been achieved as a condition of this permit as specified in Section 4 of the permit regarding Notice of Termination. The NOT is a NPDES permit requirement, as well as a regulatory requirement under 25 Pa. Code § 102.7. The NOT must identify the responsible person(s) for the long term operation and maintenance of the Post Construction Stormwater Management (PCSM) BMPs. Please be advised that the permittee and/or co-permittee remain responsible for all operational maintenance for this project site until the NOT has been filed and acknowledged.

If you have any questions regarding this authorization, please contact *Tiffany Crum* at ph. # 717-840-7430.

Sincerely,



Eric P. Jordan, CPESC
Assistant Manager for Programs

Enclosures:

NPDES permit cover sheet
NPDES permit conditions
Stamped approved E&S plans
PCSM plans

cc:

Paul Gross, Buchart Horn, Inc.
Manchester Township
(PA SCRO DEP)
File rs



OFFICIAL USE ONLY	
NPDES Permit ID #	PA0670168
Date Received	4/19/18
NOI Complete Date	7/13/18
Issue Date	7/13/18
Effective Date	7/13/18
Expiration Date	7/13/23

**NOTICE OF INTENT FOR COVERAGE
UNDER THE GENERAL (PAG-02) NPDES PERMIT
OR
APPLICATION FOR AN INDIVIDUAL NPDES
PERMIT FOR STORMWATER DISCHARGES
ASSOCIATED WITH CONSTRUCTION ACTIVITIES**

PLEASE READ THE PERMIT SUMMARY SHEET AND INSTRUCTIONS PROVIDED IN THIS PERMIT APPLICATION PACKAGE BEFORE COMPLETING THIS FORM. COMPLETE THE ATTACHED CHECKLIST AND APPROPRIATE WORKSHEETS.

PLEASE PRINT OR TYPE INFORMATION IN BLACK OR BLUE INK.

PERMIT TYPE	GENERAL <input checked="" type="checkbox"/>	INDIVIDUAL <input type="checkbox"/>
APPLICATION TYPE	NEW <input checked="" type="checkbox"/>	RENEWAL <input type="checkbox"/> MAJOR MODIFICATION <input type="checkbox"/> PHASED <input type="checkbox"/>
SECTION A. APPLICANT INFORMATION		
Corporations for profit, corporations not-for-profit, limited liability companies, partnerships or sole proprietorships, limited partnerships, professional associations and business or statutory trusts that were not created or formed under the laws of Pennsylvania desiring to do business in this Commonwealth must register with the Pennsylvania Department of State.		
Applicant/Organization Name York City Sewer Authority	Phone 717-854-5124 FAX 717-843-2590	
Mailing Address 345 East Market St	City York	State ZIP + 4 PA 17401
Supplemental Mailing Address (if needed)		
Employer ID (EIN) 25-1549447-1		
Email Address		
Contact Name Stacey MacNeal	Contact Title	
Contact Phone 717-854-5124	Contact Email Address Stacey@khlaw.us	
Co-Applicant/Organization Name	Phone FAX	
Mailing Address	City	State ZIP + 4
Supplemental Mailing Address (if needed)		
Employer ID (EIN)		
Email Address		
Contact Name	Contact Title	
Contact Phone	Contact Email Address	

1b. Historical Land Uses: Agriculture _____ % Forest/Woodland _____ % Barren _____ %
 Urban 100 % Brownfield _____ % Other _____ %

2. Potential Toxic or Hazardous Pollutants: N/A

Pollutant	Concentration w/Units	Source	Sample Type	Date(s) / Number of Samples

3. Fill Material

Will the applicant need to import or export fill for the project site? Clean fill can not be placed in or on waters of the Commonwealth. If fill will be imported or exported, Form FP-001 (Document # 258-2182-773) must be used to certify origin of the fill material.

Check the appropriate box

Import fill – the applicant will, in most situations, be responsible to perform environmental due diligence and determine that all fill imported to the site meets the department's definition of clean fill. The plan designer must include a note on the drawings to identify the operator(s) responsibility and provide the definition of Clean Fill and Environmental Due Diligence.

Export fill – the Applicant is responsible for performing environmental due diligence at the time this application was submitted to determine that any fill exported from the site will be certified as clean fill.

Balance all cuts and fills with the amount of rock and soil available on the site.

4. Estimated Timetable for Phased Projects (Complete for phased projects only)

Phase No. or Name	Proposed Type of Activity	Total Area	Disturbed Area	Start Date	End Date

5. Waters to Which Project Discharges (Check all that apply)

5.a. Waters of the Commonwealth to which the project discharges or has the potential to discharge to (including EV wetlands) other than MS4s, CSOs, private storm sewers:

Name of Waters <u>Codorus Creek</u>	Designated Use of Water <u>WWF</u>	Existing Use of Water <u>WWF</u>
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<input type="checkbox"/> Combined Sewer Overflow System to which the project discharges:	<input type="checkbox"/> Municipal Separate Storm Sewer (MS4) to which the project discharges:	<input type="checkbox"/> Private Storm Sewer to which the project discharges:	<input type="checkbox"/> Non Surface Water: (including off-site discharges):
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5b. Does the site discharge to waters classified as impaired according to Category 4 of PA Integrated Water Quality Monitoring and Assessment Report? Yes No
 If yes, list source and cause of impairment: _____

5c. Does the site discharge to waters with a TMDL according to Category 5 of the PA Integrated Water Quality Monitoring & Assessment Report? Yes No
 If yes, list source and cause of impairment TMDL addresses: _____

**SECTION D. EROSION & SEDIMENTATION (E&S) AND POST CONSTRUCTION
STORMWATER MANAGEMENT (PCSM)**

Note: For projects involving multiple points of discharge, please submit a complete, separate Section D for each additional point of discharge.

1. E&S Plan - The E&S Plan must satisfy at least one of subparagraph A or B below.
- A. E&S plan is designed using BMPs in the Pennsylvania Erosion & Sedimentation Pollution Control Manual (ESPC) (Technical Guidance #363-2134-008/March 2012)
- OR**
- B. E&S plan is designed using an alternative BMP or design standard

2. PCSM Plan
- The PCSM Plan must satisfy either subparagraph A, or B or C below.

- A. Act 167 Plan approved on or after January 2005 – The attached PCSM Plan, in its entirety, is consistent with all requirements pertaining to rate, volume, and water quality from an approved Act 167 Stormwater Management Plan.

Complete the following table for all applicable approved Act 167 Stormwater Management Plans. (use additional sheets if necessary)

ACT 167 Plan Name	Date Adopted	Consistency Letter Included <input type="checkbox"/>
York Co. Integrated Water Resources Plan	2011	Consistency Letter Pending <input type="checkbox"/>

If the PCSM Plan is consistent with a DEP approved Act 167 plan from 2005 or later and the Act 167 plan is without variance consistent with the standard design criteria from the 25 Pa. Code Chapter 102.8(g)(2) and (3) then utilizing worksheets 1-5 and the *Summary table for Supporting Calculation and Measurement Data* are recommended, otherwise check the applicable box(es) in Section D.3

- OR**
- B. The PCSM Plan meets the standard design criteria from the 25 Pa. Code Chapter 102.8(g)(2) and (3).
- OR**
- C. Alternative Design Standard – The attached PCSM plan was developed using approaches other than those in 25 Pa. Code Chapter 102.8(g)(2) and (3). Demonstrate how this standard will be either more protective than what is required in 25 Pa. Code Chapter 102.8(g)(2) and (3). and will maintain and protect existing water quality and existing and designated uses as allowed in 102.8(g)(2)(iv) and 102.8(g)(3)(iii).

3. Summary Table for Supporting Calculation and Measurement Data

- Not Applicable in accordance with 102.8(g)(2)(iv)- provide supporting calculations and documentation in the Narrative. **If checked, proceed to Peak Rate Analysis** (provide supporting details to include a summary, calculations, and a statement and demonstration of attainment in the Narrative- Reference the *Instructions for a General (PAG-02) OR Individual NPDES Permit for stormwater discharges associated with construction activities* Section D)
- Not Applicable PCSM Plan satisfies an Act 167 Plan approved on or after January 2005, in its entirety- provide supporting calculations and documentation in the Narrative. **If checked proceed to Section D.4** (provide supporting details to include a summary, calculations and a statement and demonstration of attainment in the Narrative- Reference the *Instructions for a General (PAG-02) OR Individual NPDES Permit for stormwater discharges associated with construction activities* Section D)

Please reference the stormwater methodology used (Numbers generated in the table below should be consistent with Worksheets 3,4, and 5 and be accompanied by supporting calculations in the Narrative)

	Pre-construction	Post Construction	Net Change
Design storm frequency _____ Rainfall amount _____ inches			
Impervious area (acres)	1	2	3
Volume of stormwater runoff <input type="checkbox"/> acre-feet or <input type="checkbox"/> cubic feet (check appropriate box)	4	5	6
Volume of stormwater runoff <input type="checkbox"/> acre-feet or <input type="checkbox"/> cubic feet (check appropriate box)		7	8
Peak Rate Analysis: Complete Boxes 9-20 (Numbers generated in table should be accompanied by supporting calculations in the narrative)			
<input type="checkbox"/> Exempt in accordance 102.8(g)(3)(ii), Complete Boxes 9-20			
<input type="checkbox"/> Not Applicable in accordance with 102.8(g)(3)(iii)			
{If any of the above is checked, provide supporting calculations and documentation in the Narrative}			
Stormwater peak discharge rate for the 2-year/24-hour storm (cubic feet per second (cfs))	9	10	11
Stormwater peak discharge rate for 10-year/24-hour storm (cfs)	12	13	14
Stormwater peak discharge rate for 50-year/24-hour storm (cfs)	15	16	17
Stormwater peak discharge rate for the 100-year/24-hour storm	18	19	20

- Box 1. Pre-construction impervious area:** The total acres of impervious area on the project site before construction activities begin, based on land use for five years preceding the planned project.
- Box 2. Post construction impervious area:** The total acres of impervious area on the project site after construction activities have been completed.
- Box 3. Net change of impervious area:** The change in the impervious area (acres) listed in Box 1 and Box 2. Zero or negative values are acceptable. (Box 2- Box 1)
- Box 4. Pre-construction stormwater runoff volume:** The amount of stormwater runoff volume from the project site that would result from the design storm occurrence before construction activities begin based on land use for five years preceding the project.
- Box 5. Post construction stormwater runoff volume:** The amount of stormwater runoff volume from the project site that would result from the design storm occurrence after construction activities have finished assuming that no non-structural/structural BMP(s) have been installed.
- Box 6. Net change in stormwater volume:** The change in stormwater runoff volumes listed in Box 4 and Box 5. (Box 5 - Box 4)
- Box 7. Post construction stormwater runoff volume reduction:** The amount of stormwater runoff volume reduction that would result from the planned non-structural/structural BMP(s) installation. (Total non-structural volume credit (from worksheet 3) + Total Structural volume (from worksheet 5))

Box 8. Net change in stormwater runoff volume with planned BMPs: The change in stormwater runoff volume and volume reduction listed in Box 6 and Box 7. (Box 6 – Box 7)

Figures contained in the "Summary table for supporting calculation and measurement data" should be consistent with those on Worksheets 3, 4, and 5, when applicants have utilized the Stormwater Best Management Practices (BMP) Manual to meet design standards. Below is a depiction of which worksheet(s) corresponds (i.e. WKST 4) to each Box and where on the worksheet to find the information (i.e. 2-Year Volume Increase).

Numbers generated in the summary table should be consistent with Worksheets (WKST) 3, 4 and 5			
	Pre-construction	Post Construction	Net Change
Design storm frequency <u>2-year/24-hour storm</u> Rainfall amount <u>WKST 4 "2-Year Rainfall"</u> inches			
Impervious area (acres)	1 WKST 4 Existing Condition: Impervious cover type	2 WKST 4 Developed Condition: Impervious cover type	3 Box 2 - Box 1
Volume of stormwater runoff <input checked="" type="checkbox"/> acre-feet or <input type="checkbox"/> cubic feet (check appropriate box)	4 WKST 4 Existing Condition: Total Runoff Volume	5 WKST 4 Developed Condition Total Runoff Volume	6 WKST 4 2-Year Volume Increase
Volume of stormwater runoff <input checked="" type="checkbox"/> acre-feet or <input type="checkbox"/> cubic feet (check appropriate box)		7 WKST 3 Total non-structural volume credit + WKST 5 Total structural volume	8 WKST 5 Difference

- Box 9. Pre-construction stormwater discharge rate:** The stormwater runoff discharge rate for the 2-year/24-hour storm as determined by the land use for the past five years.
- Box 10. Post construction stormwater discharge rate:** The stormwater runoff discharge rate for the 2-year/24-hour storm after all planned stormwater BMPs are installed.
- Box 11. Net change stormwater discharge rate:** The change in stormwater runoff discharge rates listed in Box 9 and Box 10. (Box 10 – Box 9)
- Box 12. Pre-construction stormwater discharge rate:** The stormwater runoff discharge rate for the 10-year/24-hour storm as determined by the land use for the past five years.
- Box 13. Post construction stormwater discharge rate:** The stormwater runoff discharge rate for the 10-year/24-hour storm after all planned stormwater BMPs are installed.
- Box 14. Net change stormwater discharge rate:** The change in stormwater runoff discharge rates listed in Box 12 and Box 13. (Box 13 – Box 12)
- Box 15. Pre-construction stormwater discharge rate:** The stormwater runoff discharge rate for the 50-year/24-hour storm as determined by the land use for the past five years.
- Box 16. Post construction stormwater discharge rate:** The stormwater runoff discharge rate for the 50-year/24-hour storm after all planned stormwater BMPs are installed.
- Box 17. Net change stormwater discharge rate:** The change in stormwater runoff discharge rates listed in Box 15 and Box 16. (Box 16 – Box 15)
- Box 18. Pre-construction stormwater discharge rate:** The stormwater runoff discharge rate for the 100-year/24-hour storm as determined by the land use for the past five years.
- Box 19. Post construction stormwater discharge rate:** The stormwater runoff discharge rate for the 100-year/24-hour storm after all planned stormwater BMPs are installed.
- Box 20. Net change stormwater discharge rate:** The change in stormwater runoff discharge rates listed in Box 18 and Box 19. (Box 19 – Box 18)

4. Summary Description of Post Construction Stormwater BMPs (consistent with the design or applicable worksheets)
Key: RC = Rate Control VC = Volume Control WQ = Water Quality

In the lists below, check the BMPs identified in the PCSM Plan, and their function(s) using the above Key. More than one function may be checked for a BMP. A BMP may have more than one function (rate, volume, water quality), therefore, there may be more than one volume/acres listed. For example, a Rain garden/Bio-retention BMP may have a volume treated and acres treated for volume control and water quality, that differs from the volume treated and acres treated for rate control. If any BMP in the PCSM Plan is not listed below, it must be described in the space provided after "Other". Attach additional sheet(s) as needed

For Rate Control provide the volume of stormwater treated and acres treated for the 100-year/24-hour storm event

For Volume Control and Water Quality provide the volume of stormwater treated and acres treated for the 2-year/24-hour storm event

BMP	Function(s)	Volume of stormwater treated	Acres treated
<input type="checkbox"/> Wet ponds	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Constructed wetlands	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Retention basins	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Detention basin	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Underground detention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Dry Extended detention basin	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Sediment fore bay	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Infiltration trench	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Infiltration Berm/Retentive Grading	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Subsurface Infiltration bed	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Infiltration basin	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Pervious pavement	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Dry well/Seepage pit	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Bio-infiltration areas	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Rain gardens/Bio-retention	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Vegetated swales	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Constructed filters	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Protect Sensitive & Special Value Features	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Protect/Convert/Establish Riparian buffers	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Restoration: Buffers/ Landscape/Floodplain	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Disconnection from storm sewers	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Rooftop disconnection	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Vegetated roofs	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Runoff capture/Reuse	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Oil/grit separators		<input type="checkbox"/> WQ	
<input type="checkbox"/> Water quality inserts/inlets		<input type="checkbox"/> WQ	
<input type="checkbox"/> Street sweeping		<input type="checkbox"/> WQ	
<input type="checkbox"/> Other _____	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		
<input type="checkbox"/> Other _____	<input type="checkbox"/> VC <input type="checkbox"/> RC <input type="checkbox"/> WQ		

5. Off Site Discharge Analysis

Does the project propose any off-site discharges to areas other than surface waters? Yes No

If yes, the applicant must have appropriate easement that provides the legal authority for this off-site discharge. In addition, applicant must provide a demonstration in both the E&S and PCSM plans that the discharge will not cause erosion, damage, or nuisance to off-site properties.

6. Potential Pollution Causing Materials

Identify naturally occurring geologic formations or soil conditions that may have the potential to cause pollution during earth disturbance activities and include BMPs to avoid or minimize potential pollution and its impacts from the formation.

No known formations or conditions.

7. Riparian Buffers

A. Does the project discharge to a river, stream, creek, lake, pond or reservoir with a designated use of high quality or exceptional value? If so, is earth disturbance occurring within 150 feet of the river, stream, creek, lake, pond or reservoir? Yes No

If yes, go to B. If no, continue to Section 8.

B. Will you be protecting, converting, or establishing a 150 foot riparian buffer throughout the project area?

Protect Yes No Convert Yes No Establish Yes No

If No to all above, the application must contain a demonstration of riparian buffer or riparian forest buffer equivalency. (Continue to C)

C. What BMPs will you be using that will be functionally equivalent to that of either a riparian buffer or a riparian forest buffer whatever is applicable to the project? Please attach an equivalency demonstration.

An equivalency demonstration must be completed, including worksheets 12-15 and a narrative that shows that the alternative BMPs implemented will be functionally equivalent to that of either a riparian buffer or a riparian forest buffer, whichever is applicable to the project according to 102.14(a)(1) and (2).

D. Will the project propose any earth disturbance within 100 feet of a surface water? Yes No

If yes, the applicant shall provide an offset riparian forest buffer at a ratio of one to one for the disturbed area.

8. Thermal Impacts Analysis

Explain how thermal impacts associated with this project were avoided, minimized, or mitigated.

There will be no impacts. Existing conditions will be replicated.

9. Critical Stages
Identify the critical stages of implementation of the PCSM plan for which a licensed professional or designee shall be present on the project site.
None.

SECTION E. ANTIDegradation ANALYSIS MODULE
This Section is to be completed for Special Protection Waters Only
(Projects that drain to HQ/EV Waters and EV Wetlands)

PART 1 NONDISCHARGE ALTERNATIVES EVALUATION

E & S Plan	Official Use Only	PCSM Plan	Official Use Only
<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used prior to, during, and after earth disturbance activities that have been incorporated into the E & S Plan based on the site analysis. For BMPs not checked, provide an explanation of why they were not utilized, attach additional sheets if necessary.</p>		<p>Check off the environmentally sound nondischarge Best Management Practices (BMPs) listed below to be used after construction that have been incorporated into the PCSM Plan based on the site analysis. For BMPs not checked, provide an explanation of why they were not utilized, attach additional sheets if necessary.</p>	
<p>Nondischarge BMPs</p> <ul style="list-style-type: none"> <input type="checkbox"/> Alternative Siting <ul style="list-style-type: none"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge <input type="checkbox"/> Limited Disturbed Area <input type="checkbox"/> Limiting Extent & Duration of Disturbance (Phasing, Sequencing) <input type="checkbox"/> Riparian Buffers (150 ft min) <input type="checkbox"/> Riparian Forest Buffer (150 ft min) <input type="checkbox"/> Other* _____ 		<p>Nondischarge BMPs</p> <ul style="list-style-type: none"> <input type="checkbox"/> Alternative Siting <ul style="list-style-type: none"> <input type="checkbox"/> Alternative location <input type="checkbox"/> Alternative configuration <input type="checkbox"/> Alternative location of discharge <input type="checkbox"/> Low Impact Development (LID / BSD) <input type="checkbox"/> Riparian Buffers (150 ft min) <input type="checkbox"/> Riparian Forest Buffer (150 ft min) <input type="checkbox"/> Infiltration <input type="checkbox"/> Water Reuse <input type="checkbox"/> Other* _____ 	
<p>*<input type="checkbox"/> Identify any and all best management practices, design standards and alternatives that collectively are substantially equivalent to a riparian buffer or riparian forest buffer in effectiveness, to minimize the potential for accelerated erosion and sedimentation and to protect, maintain, reclaim and restore water quality and for existing and designated uses of a perennial or intermittent river, stream or creek or lake, pond or reservoir of this Commonwealth to ensure compliance with 25 Pa. Code Chapter 93 (relating to water quality standards).</p>			
<p>Will the nondischarge alternative BMPs eliminate the change in rate, volume, or quality during construction? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, the antidegradation analysis is complete. If no, proceed to Part 2.</p>		<p>Will the nondischarge alternative BMPs eliminate the change in rate, volume, or quality after construction? <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, the antidegradation analysis is complete. If no, proceed to Part 2.</p>	

Part 2 Antidegradation Best Available Combination of Technologies (ABACT)

If the net change in stormwater discharge during or after construction is not fully eliminated by nondischarge BMPs, the applicant must utilize ABACT BMPs to manage the change. The applicant must specify whether the discharge will occur during construction, post-construction or both, and identify the technologies that will be used to ensure that the discharge will be a non-degrading discharge.

E & S Plan	Official Use Only	PCSM Plan	Official Use Only
<input type="checkbox"/> Treatment BMPs: <input type="checkbox"/> Sediment basin with skimmer <input type="checkbox"/> Sediment basin ratio of 4:1 or greater (flow length to basin width) <input type="checkbox"/> Sediment basin with 4-7 day detention <input type="checkbox"/> Flocculants <input type="checkbox"/> Land disposal: <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Pollution prevention: <input type="checkbox"/> PPC Plans <input type="checkbox"/> Immediate stabilization <input type="checkbox"/> Street sweeping <input type="checkbox"/> Channels, collectors and diversions lined with permanent vegetation, rock, geotextile or other non-erosive materials <input type="checkbox"/> Stormwater reuse technologies: <input type="checkbox"/> Sediment basin water for dust control <input type="checkbox"/> Sediment basin water for irrigation <input type="checkbox"/> Other* _____		<input type="checkbox"/> Treatment BMPs: <input type="checkbox"/> Infiltration Practices <input type="checkbox"/> Wet ponds <input type="checkbox"/> Created wetland treatment systems <input type="checkbox"/> Vegetated swales <input type="checkbox"/> Manufactured devices <input type="checkbox"/> Bio-retention/infiltration <input type="checkbox"/> Green Roofs <input type="checkbox"/> Land disposal: <input type="checkbox"/> Vegetated filters <input type="checkbox"/> Riparian Buffers <150ft. <input type="checkbox"/> Riparian Forest Buffer <150ft. <input type="checkbox"/> Pollution prevention: <input type="checkbox"/> Disconnection of roof drainage <input type="checkbox"/> Bio-retention/bio-infiltration <input type="checkbox"/> Street sweeping <input type="checkbox"/> Nutrient, pesticide, herbicide or other chemical application plan alternatives <input type="checkbox"/> PPC Plans <input type="checkbox"/> Non-structural Practices <input type="checkbox"/> Land Preservation <input type="checkbox"/> Restoration BMPs <input type="checkbox"/> Stormwater reuse technologies: <input type="checkbox"/> Cisterns <input type="checkbox"/> Rain barrels <input type="checkbox"/> Dry hydrant with underground storage <input type="checkbox"/> Spray/Drip Irrigation <input type="checkbox"/> Other* _____	

* Identify any and all best management practices, design standards and alternatives that collectively are substantially equivalent to a riparian buffer or riparian forest buffer in effectiveness, to minimize the potential for accelerated erosion and sedimentation and to protect, maintain, reclaim and restore water quality and for existing and designated uses of a perennial or intermittent river, stream or creek or lake, pond or reservoir of this Commonwealth to ensure compliance with 25 Pa. Code Chapter 93 (relating to water quality standards).

Are the ABACT BMPs selected sufficient to minimize E & S discharges to the extent that existing or designated surface water uses are protected?
 Yes If yes, antidegradation analysis is complete.
 No If no, and the project discharges to a HQ water, proceed to Part 3. If no and the project discharges to an EV Water, contact the local conservation district or Department regional office.

Are the ABACT BMPs selected sufficient to manage the net change and assure that existing or designated surface water uses are protected?
 Yes If yes, antidegradation analysis is complete.
 No If no, and the project is located in a HQ water, proceed to Part 3. If no and the project discharges to an EV Water, contact the local conservation district or Department regional office.

Part 3 Social or Economic Justification (SEJ) (for projects in high quality waters only)

If the project discharges to HQ waters only, is there an important economic or social justification for the project?

Yes No If yes, please contact the Department regional office for the county in which the project is located.

SECTION F. CONSULTANT FOR THIS PROJECT

Plan Preparer's Name Paul Gross, PE		eFACTS Consultant ID	
Title Project Manager	Consulting Firm Buchart Horn, Inc.	Seal (if applicable)	
Mailing Address 445 West Philadelphia Street			
City York	State PA	ZIP+4 17401	
Email PGross@BuchartHorn.com		Phone 717-852-1366	Ext FAX

SECTION G. COMPLIANCE HISTORY REVIEW

Is/was the applicant(s) in violation of any Department regulation, order, schedule of compliance or permit or in violation of any Department regulated activities within the past five years?
 Yes No

If yes, list each permit order, schedule of compliance or project that is/was in violation and provide compliance status of the activity (use additional sheets to provide information on all permits).

Permit Program or Activity: _____ Permit Number (if applicable): _____

Brief description of non-compliance: _____

Steps taken to achieve compliance	Date(s) compliance achieved

Current Compliance Status: In-Compliance In Non-Compliance

If in non-compliance, please attach schedule for achieving compliance.

SECTION II: PERMIT COORDINATION

1. Are there pending permits or any other permits, approvals or planning requirements for this project?

Yes No If yes, list each permit or approval, permit number, and description.

WQM 3G Permit 6717409 (Approved)

2. Does the project involve any of the following: placement of fill and/or excavation within or a placement of a structure located in, along, across, or projecting into a water course, floodway or body of water (including wetlands)?

Yes No If yes, identify which authorization under Chapter 105 is applicable.

Joint Permit

General Permit

Waiver

3. What is the project's 537 Plan status? Please note that 537 Plan approval is required prior to initiation of earth disturbance activity.

N/A

4. Is the project associated with a brownfield remediation and/or requires an Act 2 approval? Yes No If yes, please indicate any coordination to date with the Department's Environmental Cleanup Program.

SECTION I. CERTIFICATION

Applicant Certification

I certify under penalty of law that this application and all related attachments were prepared by me or 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 own knowledge and on inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. The responsible official's signature also verifies that the activity is eligible to participate in the NPDES permit, and that BMP's, E&S Plan, PPC Plan, PCSM Plan, and other controls are being or will be, implemented to ensure that water quality standards and effluent limits are attained. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment or both for knowing violations pursuant to Section 309(c)(4) of the Clean Water Act and, 18 Pa. C.S. §§4903-4904.

I grant permission to the agencies responsible for the permitting of this work, or their duly authorized representative to enter the project site for inspection purposes. I will abide by the conditions of the permit if issued and will not begin work prior to permit issuance.

(For individuals no indication of title is necessary, choose the box below. All others proceed to the next paragraph)

Individual; proceed to signature portion.

I hereby certify that I am the signatory pursuant to 25 Pa, Code § 92a.22 and 40 CFR §122.22 and that I am the person who is responsible for decision-making regarding environmental compliance functions for Enter Entity name, the manager of one or more manufacturing, production, or operating facilities of the applicant and am authorized to make management decisions which govern the operation of regulated facility including having explicit or implicit duty of making major capital investment recommendations, and initiating and directing other comprehensive measures to assure the applicant's long term environmental compliance with environmental laws and regulations; and I am responsible for ensuring that the necessary systems are established or actions taken to gather complete and accurate information for permit application requirements.

(choose one of the following; not applicable for individuals):

The responsible corporate officer president vice president secretary treasure of _____ Corporation/Company
Entity name

The member or manager of _____ LLC
Entity name

The general partner of _____ partnership/LP/LLP
Entity name

The principal executive officer or ranking elected official of YCSA Municipality/State/Federal/other public agency
Entity name

Power of Attorney/delegation of contractual authority (documentation supporting delegation of contracting authority must be provided) for _____
Entity name

SIGNATURES

Applicant

Co-Applicant (if applicable)

Thomas I. Warman/Chairman YCSA

Print Name and Title of Person Signing

Print Name and Title of Person Signing



Signature of Applicant

Signature of Co-Applicant

May 21, 2018

Date Signed

Date Signed

Please note below the name, address and telephone number of the individual that should be contacted in the event additional information is required

Name _____

Phone _____

FAX _____

NPDES Permit No. PA0026263



AUG 03 2017

CERTIFIED MAIL NO. 9171 9690 0935 0123 5420 64

James Gross
York City Sewer Authority
345 E Market Street
York, PA 17403-5614

Re: Final NPDES Permit- Sewage
York City WWTP
NPDES Permit No. PA0026263
Authorization ID No. 937237
Manchester Township, York County

Dear Mr. Gross:

Your NPDES permit is enclosed. Please read the permit carefully. The permit expires on the date identified on page 1 of the permit. A renewal application must be submitted to this office 180 days prior to the permit expiration date, if a discharge is expected to continue past the expiration date of the permit. Enclosed is also a Fact Sheet Addendum which documents DEP's responses to your comments submitted by Mr. Randall Hurst of Mette, Evans & Woodside on your behalf on May 19, 2017.

Enclosed are Discharge Monitoring Report (DMR) templates and DMR instructions. It is recommended that you retain the DMR templates in the event you are unable to submit DMRs electronically through DEP's eDMR system. Routine use of the eDMR system is a requirement of the permit unless the conditions in Part A III.B of the permit are met to withdraw from the eDMR system.

Also enclosed is a Supplemental Form Inventory, which identifies the forms that are attached to the permit and must be submitted as attachments to eDMR reports, as applicable (see individual form instructions). The submission of other supplemental forms may be required in accordance with the permit. We encourage you to use the spreadsheet versions of supplemental forms that contain appropriate validation and DEP-approved calculations.

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, P.O. 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

Mr. James Gross

- 2 -

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.

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 contact Jinsu Kim at 717.705.4825 or jikim@pa.gov.

Sincerely,



Maria D. Bebenek, P.E.
Environmental Program Manager
Clean Water Program

Enclosures

cc: U.S. Environmental Protection Agency (transmitted electronically)
Central Office, Division of Operations, Monitoring and Data Systems, PADEP
Operations Section, PADEP
Tim Yohe, PE, Buchart Horn, Inc.

Supplemental Form Inventory

The following supplemental forms (indicated in the check box column) are attached to this permit and must be completed and submitted to DEP in accordance with the permit and the supplemental form instructions. If the eDMR system is used to submit DMR reports, the spreadsheet versions of these supplemental forms, where applicable, should be used and attached to the eDMR submissions. A link to DEP's supplemental form website is available when logging into the eDMR system.

Check Box	Supplemental Form Name and No.
<input checked="" type="checkbox"/>	Daily Effluent Monitoring (3800-FM-BPNPSM0435)
<input checked="" type="checkbox"/>	Influent & Process Control (3800-FM-BPNPSM0436)
<input checked="" type="checkbox"/>	Hauled in Municipal Wastes (3800-FM-BPNPSM0437)
<input checked="" type="checkbox"/>	Sewage Sludge/Biosolids Production and Disposal (3800-FM-BPNPSM0438)
<input type="checkbox"/>	Chemical Additives Usage (3800-FM-BPNPSM0439)
<input checked="" type="checkbox"/>	Non-Compliance Reporting Form (3800-FM-BPNPSM0440)
<input type="checkbox"/>	CSO Monthly Summary Report (3800-FM-BPNPSM0441)
<input type="checkbox"/>	CSO Detailed Report (3800-FM-BPNPSM0442)
<input type="checkbox"/>	Groundwater Monitoring Data Report (3800-FM-BPNPSM0443)
<input type="checkbox"/>	TMDL Annual Load Summary (3800-FM-BPNPSM0448)
<input type="checkbox"/>	Land Application Systems (3800-FM-BPNPSM0449)
<input checked="" type="checkbox"/>	Hauled in Residual Wastes (3800-FM-BPNPSM0450)
<input type="checkbox"/>	Surface Water Monitoring Data Report (3800-FM-BPNPSM0461)
<input checked="" type="checkbox"/>	Lab Accreditation Form (3800-FM-BPNPSM0189)
<input checked="" type="checkbox"/>	Whole Effluent Toxicity Test Summary Report (3800-FM-BPNPSM0485)
<input type="checkbox"/>	Storm Water Annual Inspection Form (3800-PM-WSFR0083v)
<input type="checkbox"/>	Storm Water Additional Information (3800-PM-WSFR0083t)
<input type="checkbox"/>	Other: _____



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

NPDES PERMIT NO: PA0026263

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
345 E Market Street
York, PA 17403-5614**

is authorized to discharge from a facility known as **York City WWTP**, located in **Manchester Township, York County**, to **Codorus Creek** in Watershed(s) **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 September 1, 2017

THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON August 31, 2022

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 §§ 92a.7(b), (c))

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 AUG 03 2017

ISSUED BY
Maria D. Bebenek, P.E.
Clean Water Program Manager
Southcentral Regional Office

Appendix A-20-b

3800-PM-BPNPMS0012 Rev. 9/2016
Permit

Permit No. PA0026263

PART A. EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. A. For Outfall 001, Latitude 39° 59' 18.81", Longitude 76° 43' 24.89", River Mile Index 9.45, Stream Code 08032

Receiving Waters: Codorus Creek
Type of Effluent: Stormwater, Groundwater, and Treated Sewage (emergency overflow)

- The permittee is authorized to discharge during the period from September 1, 2017 through August 31, 2022.
- 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 and Footnotes).

Parameter	Effluent Limitations					Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)			Minimum Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum		
Flow (MGD)	Report	Report	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	1/day	Grab
Total Residual Chlorine (TRC)	XXX	XXX	XXX	0.13	XXX	1/day	Grab
CBOD5 May 1 - Oct 31	Report	Report Wkly Avg	XXX	13.0	19.0 Wkly Avg	5/week	Composite 24-Hr
CBOD5 Nov 1 - Apr 30	Report	Report Wkly Avg	XXX	20.0	30.0 Wkly Avg	5/week	Composite 24-Hr
Total Suspended Solids	Report	Report Wkly Avg	XXX	30.0	45.0 Wkly Avg	5/week	Composite 24-Hr
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	Geo Mean 200	XXX	5/week	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	Geo Mean 2000	XXX	5/week	Grab
Ammonia-Nitrogen May 1 - Oct 31	Report	XXX	XXX	1.7	XXX	5/week	Composite 24-Hr
Ammonia-Nitrogen Nov 1 - Apr 30	Report	XXX	XXX	2.1	XXX	5/week	Composite 24-Hr
Total Phosphorus	Report	XXX	XXX	2.0	XXX	5/week	Composite 24-Hr

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at discharge from facility (i.e., location in the outfall line after the last treatment unit)

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3800-PM-BPNPSM0012 Rev. 9/2016
Permit

Permit No. PA0026263

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. B. For Outfall 002, Latitude 39° 59' 17.00", Longitude 76° 43' 27.00", River Mile Index 9.43, Stream Code 08032

Receiving Waters: Codorus Creek

Type of Effluent: Treated Sewage

- The permittee is authorized to discharge during the period from September 1, 2017 through August 31, 2022.
- 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 and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements		
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Instant. Maximum	Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Maximum			
Flow (MGD)	Report	Report	XXX	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0	XXX	XXX	XXX	9.0	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0	XXX	XXX	XXX	XXX	1/day	Grab
Ultraviolet light transmittance (%)	XXX	XXX	Report	XXX	XXX	XXX	XXX	1/day	Recorded
CBOD5 May 1 - Oct 31	2819	4120 Wkly Avg	XXX	13.0	19.0 Wkly Avg	26	5/week	Composite	24-Hr Composite
CBOD5 Nov 1 - Apr 30	4337	6505 Wkly Avg	XXX	20.0	30.0 Wkly Avg	40	5/week	Composite	24-Hr Composite
BOD5	Report	Report	XXX	Report	XXX	XXX	5/week	Composite	24-Hr Composite
Raw Sewage Influent	Report	Report	XXX	Report	XXX	XXX	5/week	Composite	24-Hr Composite
Total Suspended Solids	6505	9758 Wkly Avg	XXX	30.0	45.0 Wkly Avg	60	5/week	Composite	24-Hr Composite
Raw Sewage Influent	Report	Report	XXX	Report	XXX	XXX	5/week	Composite	24-Hr Composite
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	Geo Mean 200	XXX	1000	5/week	Grab	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	Geo Mean 2000	XXX	10000	5/week	Grab	Grab

Outfall002 , Continued (from September 1, 2017 through August 31, 2022)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Daily Maximum	Minimum	Average Monthly	Daily Maximum	Instant. Maximum		
Ammonia-Nitrogen May 1 - Oct 31	369	XXX	XXX	1.7	XXX	3.4	5/week	24-Hr Composite
Ammonia-Nitrogen Nov 1 - Apr 30	455	XXX	XXX	2.1	XXX	4.2	5/week	24-Hr Composite
Total Phosphorus	434	XXX	XXX	2.0	XXX	4	5/week	24-Hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at discharge from facility (i.e., location in the outfall line after the last treatment unit)

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

Additional Requirements

1. The permittee may not discharge:
 - a. Floating solids, scum, sheen or substances that result in observed deposits in the receiving water. (25 Pa Code § 92a.41(c))
 - b. Oil and grease in amounts that cause a film or sheen upon or discoloration of the waters of this Commonwealth or adjoining shoreline, or that exceed 15 mg/l as a daily average or 30 mg/l at any time (or lesser amounts if specified in this permit). (25 Pa. Code § 92a.47(a)(7), § 95.2(2))
 - c. Substances in concentration or amounts sufficient to be inimical or harmful to the water uses to be protected or to human, animal, plant or aquatic life. (25 Pa Code § 93.6(a))
 - d. Foam or substances that produce an observed change in the color, taste, odor or turbidity of the receiving water, unless those conditions are otherwise controlled through effluent limitations or other requirements in this permit. For the purpose of determining compliance with this condition, DEP will compare conditions in the receiving water upstream of the discharge to conditions in the receiving water approximately 100 feet downstream of the discharge to determine if there is an observable change in the receiving water. (25 Pa Code § 92a.41(c))
2. The monthly average percent removal of BOD₅ or CBOD₅ and TSS must be at least 85% for POTW facilities on a concentration basis except where 25 Pa. Code 92a.47(g) and (h) are applicable to facilities with combined sewer overflows (CSOs) or as otherwise specified in this permit. (25 Pa. Code § 92a.47(a)(3))
3. If the permit requires the reporting of average weekly statistical results, the maximum weekly average concentration and maximum weekly average mass loading shall be reported, regardless of whether the results are obtained for the same or different weeks.
4. The permittee shall monitor the sewage effluent discharge(s) for the effluent parameters identified in the Part A limitations table(s) during all bypass events at the facility, using the sample types that are specified in the limitations table(s). Where the required sample type is "composite", the permittee must commence sample collection within one hour of the start of the bypass, wherever possible. The results shall be reported on the Daily Effluent Monitoring supplemental form (3800-FM-BPNPSM0435) and be incorporated into the calculations used to report self-monitoring data on Discharge Monitoring Reports (DMRs).

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) 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.

Supplemental Information

- (1) 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.
- (2) The effluent limitations for Outfall 002 were determined using an effluent discharge rate of 26 MGD.
- (3) The organic design capacity of 62,884 lbs BOD₅ per day for the treatment facility is used to prepare the annual Municipal Wasteload Management Report to determine whether an "organic overload" condition exists, as defined in 25 Pa. Code Chapter 94.

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3800-PM-BPNPSM0012 Rev. 9/2016
Permit

Permit No. PA0026263

PART A EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. C. For Outfall 001, Latitude 39° 59' 18.81", Longitude 76° 43' 24.89", River Mile Index 9.45, Stream Code 08032

Receiving Waters: Codorus Creek

Type of Effluent: Stormwater, Groundwater and Treated Sewage (emergency overflow)

- The permittee is authorized to discharge during the period from **September 1, 2017** through **August 31, 2022**.
- 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 and Footnotes).

Parameter	Effluent Limitations				Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)		Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Monthly	Annual	Monthly Average	Instant. Maximum		
Ammonia-N	Report	Report	Report	XXX	5/week	Composite 24-Hr
Kjeldahl-N	Report	XXX	Report	XXX	2/week	Composite 24-Hr
Nitrate-Nitrite as N	Report	XXX	Report	XXX	2/week	Composite 24-Hr
Total Nitrogen	Report	Report	Report	XXX	1/month	Calculation
Total Phosphorus	Report	Report	Report	XXX	5/week	Composite 24-Hr
Net Total Nitrogen	Report	Report	XXX	XXX	1/month	Calculation
Net Total Phosphorus	Report	Report	XXX	XXX	1/month	Calculation

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at discharge from facility (i.e., location in the outfall line after the last treatment unit)

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.

Appendix A-20-b

3800-PM-BPNPMS0012 Rev. 9/2016
Permit

Permit No. PA0026263

PART A - EFFLUENT LIMITATIONS, MONITORING, RECORDKEEPING AND REPORTING REQUIREMENTS

I. D. For Outfall 002, Latitude 39° 59' 17.00", Longitude 76° 43' 27.00", River Mile Index 9.43, Stream Code 08032

Receiving Waters: Codorus Creek

Type of Effluent: Treated Sewage

- The permittee is authorized to discharge during the period from September 1, 2017 through August 31, 2022.
- 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 and Footnotes).

Parameter	Effluent Limitations				Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)		Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Monthly	Annual	Monthly	Monthly Average		
Ammonia-N	Report	Report	XXX	Report	XXX	5/week Composite 24-Hr
Kjeldahl-N	Report	XXX	XXX	Report	XXX	2/week Composite 24-Hr
Nitrate-Nitrite as N	Report	XXX	XXX	Report	XXX	2/week Composite
Total Nitrogen	Report	Report	XXX	Report	XXX	1/month Calculation 24-Hr
Total Phosphorus	Report	Report	XXX	Report	XXX	5/week Composite
Net Total Nitrogen	Report	474880	XXX	XXX	XXX	1/month Calculation
Net Total Phosphorus	Report	63317	XXX	XXX	XXX	1/month Calculation

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at discharge from facility (i.e., location in the outfall line after the last treatment unit)

Footnotes:

- See Part C for Chesapeake Bay Requirements.
- 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.

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 pollutant loading to surface waters of the Commonwealth. The term also includes treatment requirements, operating procedures and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage. The term includes activities, facilities, measures, planning or procedures used to minimize accelerated erosion and sedimentation and manage stormwater to protect, maintain, reclaim, and restore the quality of waters and the existing and designated uses of waters within this Commonwealth before, during and after earth disturbance activities. (25 Pa. Code § 92a.2)

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 DEP 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 § 92a.2, 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. (25 Pa. Code § 92a.2, 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)

Hauled-In Wastes means any waste that is introduced into a treatment facility through any method other than a direct connection to the sewage collection system. The term includes wastes transported to and disposed of within the treatment facility or other entry points within the collection system.

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 non-domestic discharger introducing pollutants to a Publicly Owned Treatment Works (POTW) or other treatment works. (25 Pa. Code § 92a.2, 40 CFR 122.2)

Industrial User means a source of Indirect Discharge. (40 CFR 403.3)

Instantaneous Maximum Effluent Limitation means the highest allowable discharge of a concentration or mass of a substance at any one time as measured by a grab sample. (25 Pa. Code § 92a.2)

Measured Flow means any method of liquid volume measurement, the accuracy of which has been previously demonstrated in engineering practice, or for which a 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. (25 Pa. Code § 92a.2)

Municipality means a city, town, borough, county, township, school district, institution, authority or other public body created by or pursuant to State law and having jurisdiction over disposal of sewage, industrial wastes, or other wastes. (25 Pa. Code § 92a.2)

Municipal Waste means garbage, refuse, industrial lunchroom or office waste and other material, including solid, liquid, semisolid or contained gaseous material resulting from operation of residential, municipal, commercial or institutional establishments and from community activities; and sludge not meeting the definition of residual or hazardous waste under this section from a municipal, commercial or institutional water supply treatment plant, waste water treatment plant or air pollution control facility. (25 Pa. Code § 271.1)

Publicly Owned Treatment Works (POTW) means a treatment works as defined by §212 of the Clean Water Act, owned by a state or municipality. The term includes any devices and systems used in the storage, treatment, recycling and reclamation of municipal sewage or industrial wastes of a liquid nature. The term also includes sewers, pipes or other conveyances if they convey wastewater to a POTW providing treatment. The term also means the municipality as defined in section 502(4) of the Clean Water Act, which has jurisdiction over the indirect discharges to and the discharges from such a treatment works. (25 Pa Code § 92a.2, 40 CFR 122.2)

Residual Waste means garbage, refuse, other discarded material or other waste, including solid, liquid, semisolid or contained gaseous materials resulting from industrial, mining and agricultural operations and sludge from an industrial, mining or agricultural water supply treatment facility, wastewater treatment facility or air pollution control facility, if it is not hazardous. The term does not include coal refuse as defined in the Coal Refuse Disposal Control Act. The term does not include treatment sludges from coal mine drainage treatment plants, disposal of which is being carried on under and in compliance with a valid permit issued under the Clean Streams Law. (25 Pa Code § 287.1)

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)(iii))

Stormwater means the runoff from precipitation, snow melt runoff, and surface runoff and drainage. (25 Pa. Code § 92a.2)

Stormwater Associated With Industrial Activity means the discharge from any conveyance that is used for collecting and conveying stormwater and that is directly related to manufacturing, processing or raw materials storage areas at an industrial plant, and as defined at 40 CFR §122.26(b)(14)(i) – (ix) and (xi) and 25 Pa. Code § 92a.2.

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 § 92a.2)

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

1. Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity (40 CFR 122.41(i)(1)). Representative sampling includes the collection of samples, where possible, during periods of adverse weather, changes in treatment plant performance and changes in treatment plant loading. If possible, effluent samples must be collected where the effluent is well mixed near the center of the discharge conveyance and at the approximate mid-depth point, where the turbulence is at a maximum and the settlement of solids is minimized. (40 CFR 122.48, 25 Pa. Code § 92a.61)

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 5 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 3 years from the date of the sample measurement, report or application, unless a longer retention period is required by the permit. The 3-year period shall be extended as requested by DEP or the EPA Regional Administrator.

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

- a. 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) and 25 Pa. Code Chapter 252, relating to environmental laboratory accreditation.
- b. Test procedures (methods) for the analysis of pollutants or pollutant parameters shall be those approved under 40 CFR Part 136 or required under 40 CFR Chapter I, Subchapters N or O, unless the method is specified in this permit or has been otherwise approved in writing by DEP. (40 CFR 122.41(i)(4), 122.44(i)(1)(iv))
- c. Test procedures (methods) for the analysis of pollutants or pollutant parameters shall be sufficiently sensitive. A method is sufficiently sensitive when 1) the method minimum level is at or below the level of the effluent limit established in the permit for the measured pollutant or pollutant parameter; or 2) the method has the lowest minimum level of the analytical methods approved under 40 CFR Part 136 or required under 40 CFR Chapter I, Subchapters N or O, for the measured pollutant or pollutant parameter; or 3) the method is specified in this permit or has been otherwise approved in writing by DEP for the measured pollutant or pollutant parameter. Permittees have the option of providing matrix or sample-specific minimum levels rather than the published levels. (40 CFR 122.44(i)(1)(iv))

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 122.41(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. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.44, 92a.61(i) and 40 CFR §§ 122.41(e), 122.44(i)(1))
2. The permittee shall use DEP's electronic Discharge Monitoring Report (eDMR) system to report the results of compliance monitoring under this permit (see www.dep.pa.gov/edmr). Permittees that are not using the eDMR system as of the effective date of this permit shall submit the necessary registration and trading partner agreement forms to DEP's Bureau of Clean Water (BCW) within 30 days of the effective date of this permit and begin using the eDMR system when notified by DEP BCW to do so. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.61(g) and 40 CFR § 122.41(l)(4))
3. Submission of a physical (paper) copy of a Discharge Monitoring Report (DMR) is acceptable under the following circumstances:
 - a. For a permittee that is not yet using the eDMR system, the permittee shall submit a physical copy of a DMR to the DEP regional office that issued the permit during the interim period between the submission of registration and trading partner agreement forms to DEP and DEP's notification to begin using the eDMR system.
 - b. For any permittee, as a contingency a physical DMR may be mailed to the DEP regional office that issued the permit if there are technological malfunction(s) that prevent the successful submission of a DMR through the eDMR system. In such situations, the permittee shall submit the DMR through the eDMR system within 5 days following remedy of the malfunction(s).
4. DMRs must be completed in accordance with DEP's published DMR instructions (3800-FM-BPNPSM0463). DMRs must be received by DEP no later than 28 days following the end of the monitoring period. DMRs are based on calendar reporting periods and must be received by DEP in accordance with the following schedule:
 - Monthly DMRs must be received within 28 days following the end of each calendar month.
 - Quarterly DMRs must be received within 28 days following the end of each calendar quarter, i.e., January 28, April 28, July 28, and October 28.
 - Semiannual DMRs must be received within 28 days following the end of each calendar semiannual period, i.e., January 28 and July 28.
 - Annual DMRs must be received by January 28, unless Part C of this permit requires otherwise.
5. The permittee shall complete all Supplemental Reporting forms (Supplemental DMRs) attached to this permit, or an approved equivalent, and submit the signed, completed forms as attachments to the DMR, through DEP's eDMR system. DEP's Supplemental Laboratory Accreditation Form (3800-FM-BPNPSM0189) must be completed and submitted to DEP with the first DMR following issuance of this permit, and anytime thereafter when changes to laboratories or methods occur. (25 Pa. Code §§ 92a.3(c), 92a.41(a), 92a.61(g) and 40 CFR § 122.41(l)(4))
6. The completed DMR Form shall be signed and certified by either of the following applicable persons, as defined in 25 Pa. Code § 92a.22:

- 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 and for co-permittees, written notification of delegation of DMR signatory authority must be submitted to DEP in advance of or along with the relevant DMR form. (40 CFR § 122.22(b))

7. 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. (40 CFR 122.41(l)(4)(ii))

C. Reporting and Notification Requirements

1. **Planned Changes to Physical Facilities** – The permittee shall give notice to DEP as soon as possible but no later than 30 days prior to planned physical alterations or additions to the permitted facility. A permit under 25 Pa. Code Chapter 91 may be required for these situations prior to implementing the planned changes. A permit application, or other written submission to DEP, can be used to satisfy the notification requirements of this section.

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). (40 CFR 122.41(l)(1)(i))
 - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are not subject to effluent limitations in this permit. (40 CFR 122.41(l)(1)(ii))
 - 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. (40 CFR 122.41(l)(1)(iii))
 - d. The planned change may result in noncompliance with permit requirements. (40 CFR 122.41(l)(2))
2. **Planned Changes to Waste Stream** – Under the authority of 25 Pa. Code § 92a.24(a) and 40 CFR 122.42(b), the permittee shall provide notice to DEP and EPA as soon as possible but no later than 45 days prior to any planned changes in the volume or pollutant concentration of its influent waste stream as a result of indirect discharges or hauled-in wastes, as specified in paragraphs 2.a. and 2.b., below. Notice shall be provided on the "Planned Changes to Waste Stream" Supplemental Report (3800-FM-BPNPSM0482), available on DEP's website. The permittee shall provide information on the quality and quantity of waste introduced into the POTW, and any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW (40 CFR 122.42(b)(3)). The Report shall be sent via Certified Mail or other means to confirm DEP's receipt of the notification. DEP will determine if the submission of a new application and receipt of a new or amended permit is required.
 - a. **Introduction of New Pollutants** (25 Pa. Code § 92a.24(a), 40 CFR 122.42(b)(1))

New pollutants are defined as parameters that meet one or more of the following criteria:

- (i) Any pollutants that were not detected in the facilities' influent waste stream as reported in the permit application; and have not been approved to be included in the permittee's influent waste stream by DEP in writing.
- (ii) Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to Sections 301 or 306 of the Clean Water Act if it were directly discharging those pollutants (40 CFR 122.42(b)(1)).

The permittee shall provide notification of the introduction of new pollutants in accordance with paragraph 2 above. The permittee may not authorize the introduction of new pollutants until the permittee receives DEP's written approval.

- b. Increased Loading of Approved Pollutants (25 Pa. Code § 92a.24(a), 40 CFR 122.42(b)(2))

Approved pollutants are defined as parameters that meet one or more of the following criteria:

- (i) Were detected in the facilities' influent waste stream as reported in the permittee's permit application; or have been previously approved to be included in the permittee's influent waste stream by DEP in writing.
- (ii) Have an effluent limitation or monitoring requirement in this permit.

The permittee shall provide notification of the introduction of increased influent loading (lbs/day) of approved pollutants in accordance with paragraph 2 above when (1) the cumulative increase in influent loading (lbs/day) exceeds 20% of the maximum loading reported in the permit application, or a loading previously approved by DEP and/or EPA, or (2) may cause an exceedance in the effluent of Effluent Limitation Guidelines (ELGs) or limitations in Part A of this permit, or (3) may cause interference or pass through at the POTW, or (4) may cause exceedances of the applicable water quality standards in the receiving stream. Unless specified otherwise in this permit, if DEP does not respond to the notification within 30 days of its receipt, the permittee may proceed with the increase in loading. The acceptance of increased loading of approved pollutants may not result in an exceedance of ELGs or effluent limitations, may not result in a hydraulic or organic overload condition as defined in 25 Pa. Code § 94.1, and may not cause exceedances of the applicable water quality standards in the receiving stream.

3. Reporting Requirements for Hauled-In Wastes

a. Receipt of Residual Waste

- (i) The permittee shall document the receipt of all hauled-in residual wastes (including but not limited to wastewater from oil and gas wells, food processing waste, and landfill leachate), as defined at 25 Pa. Code § 287.1, that are received for processing at the treatment facility. The permittee shall report hauled-in residual wastes on a monthly basis to DEP on the "Hauled In Residual Wastes" Supplemental Report (3800-FM-BPNPSM0450) as an attachment to the DMR. If no residual wastes were received during a month, submission of the Supplemental Report is not required.

The following information is required by the Supplemental Report. The information used to develop the Report shall be retained by the permittee for five years from the date of receipt and must be made available to DEP or EPA upon request.

- (1) The dates that residual wastes were received.
- (2) The volume (gallons) of wastes received.
- (3) The license plate number of the vehicle transporting the waste to the treatment facility.
- (4) The permit number(s) of the well(s) where residual wastes were generated, if applicable.

- (5) The name and address of the generator of the residual wastes.
- (6) The type of wastewater.

The transporter of residual waste must maintain these and other records as part of the daily operational record (25 Pa. Code § 299.219). If the transporter is unable to provide this information or the permittee has not otherwise received the information from the generator, the residual wastes shall not be accepted by the permittee until such time as the permittee receives such information from the transporter or generator.

- (ii) The following conditions apply to the characterization of residual wastes received by the permittee:
 - (1) If the generator is required to complete a chemical analysis of residual wastes in accordance with 25 Pa. Code § 287.51, the permittee must receive and maintain on file a chemical analysis of the residual wastes it receives. The chemical analysis must conform to the Bureau of Waste Management's Form 26R except as noted in paragraph (2), below. Each load of residual waste received must be covered by a chemical analysis if the generator is required to complete it.
 - (2) For wastewater generated from hydraulic fracturing operations ("frac wastewater") within the first 30 production days of a well site, the chemical analysis may be a general frac wastewater characterization approved by DEP. Thereafter, the chemical analysis must be waste-specific and be reported on the Form 26R.

b. Receipt of Municipal Waste

- (i) The permittee shall document the receipt of all hauled-in municipal wastes (including but not limited to septage and liquid sewage sludge), as defined at 25 Pa. Code § 271.1, that are received for processing at the treatment facility. The permittee shall report hauled-in municipal wastes on a monthly basis to DEP on the "Hauled In Municipal Wastes" Supplemental Report (3800-FM-BPNPSM0437) as an attachment to the DMR. If no municipal wastes were received during a month, submission of the Supplemental Report is not required.

The following information is required by the Supplemental Report:

- (1) The dates that municipal wastes were received.
 - (2) The volume (gallons) of wastes received.
 - (3) The BOD₅ concentration (mg/l) and load (lbs) for the wastes received.
 - (4) The location(s) where wastes were disposed of within the treatment facility.
- (ii) Sampling and analysis of hauled-in municipal wastes must be completed to characterize the organic strength of the wastes, unless composite sampling of influent wastewater is performed at a location downstream of the point of entry for the wastes. The influent BOD₅ characterization for the treatment facility, as reported in the annual Municipal Wasteload Management Report per 25 Pa. Code Chapter 94, must be representative of the hauled-in municipal wastes received.

4. Unanticipated Noncompliance or Potential Pollution Reporting

- a. Immediate Reporting - The permittee shall immediately report any incident causing or threatening pollution in accordance with the requirements of 25 Pa. Code §§ 91.33 and 92a.41(b).
- (i) 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 DEP by telephone of the location and nature of the danger. Oral notification to the Department is required as soon as possible, but no later than 4 hours after the permittee becomes aware of the incident causing or threatening pollution.
 - (ii) If reasonably possible to do so, the permittee shall immediately 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.
 - (iii) 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:
- (i) 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 (40 CFR 122.41(l)(6)(ii)):
 - (1) Any unanticipated bypass which exceeds any effluent limitation in the permit;
 - (2) Any upset which exceeds any effluent limitation in the permit; and
 - (3) 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.
 - (ii) Written Report - A written submission shall also be provided within 5 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 DEP, the permittee shall submit a written report in accordance with this paragraph. (40 CFR 122.41(l)(6)(iii))

5. Other Noncompliance

The permittee shall report all instances of noncompliance not reported under paragraph C.4 of this section or specific requirements of compliance schedules, at the time DMRs are submitted, on the Non-Compliance Reporting Form (3800-FM-BPNPSM0440). The reports shall contain the information listed in paragraph C.4.b.(ii) of this section. (40 CFR 122.41(l)(7))

I. MANAGEMENT REQUIREMENTS

A. Compliance

1. The permittee shall comply with all conditions of this permit. If a compliance schedule has been established in this permit, the permittee shall achieve compliance with the terms and conditions of this permit within the time frames specified in this permit. (40 CFR 122.41(a)(1))
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. (25 Pa. Code § 92a.51(c), 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 25 Pa. Code § 92a.72 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. (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:
 - a. The requirements identified in 25 Pa. Code § 94.12.
 - b. The identity of any indirect discharger(s) 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 estimated concentration of each pollutant discharged into the POTW by the indirect discharger.
 - c. A "Solids Management Inventory" if specified in Part C of this permit.
 - d. The total volume of hauled-in residual and municipal wastes received during the year, by source.
 - e. The Annual Report requirements for permittees required to implement an industrial pretreatment program listed in Part C, as applicable.

D. General Pretreatment Requirements

1. Any POTW (or combination of POTWs operated by the same authority) with a total design flow greater than 5 million gallons per day (MGD) and receiving from industrial users pollutants which pass through or interfere with the operation of the POTW or are otherwise subject to Pretreatment Standards will be required to establish a POTW Pretreatment Program unless specifically exempted by the Approval Authority. A POTW with a design flow of 5 MGD or less may be required to develop a POTW Pretreatment Program if the Approval Authority finds that the nature or volume of the industrial influent, treatment process upsets, violations of effluent limitations, contamination of sludge, or other circumstances warrant in order to prevent interference or pass through. (40 CFR 403.8)
2. Each POTW with an approved Pretreatment Program pursuant to 40 CFR 403.8 shall develop and enforce specific limits to implement the prohibitions listed in 40 CFR 403.5(a)(1) and (b), and shall continue to develop these limits as necessary and effectively enforce such limits. This condition applies, for example, when there are planned changes to the waste stream as identified in Part A III.C.2. If the permittee is required to develop or continue implementation of a Pretreatment Program, detailed requirements will be contained in Part C of this permit.
3. For all POTWs, where pollutants contributed by indirect dischargers result in interference or pass through, and a violation is likely to recur, the permittee shall develop and enforce specific limits for indirect dischargers and other users, as appropriate, that together with appropriate facility or operational changes, are necessary to ensure renewed or continued compliance with this permit or sludge use or disposal practices. Where POTWs do not have an approved Pretreatment Program, the permittee shall submit a copy of such limits to DEP when developed. (25 Pa. Code § 92a.47(d))

E. Proper Operation and Maintenance

1. The permittee shall employ operators 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))

F. 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))

G. 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 two, three and four 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 paragraph G.4 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 paragraph G.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 10 days before the bypass. (40 CFR 122.41(m)(3)(i))
 - b. Unanticipated Bypass – 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.4.b.

H. Sanitary Sewer Overflows (SSOs)

An SSO is an overflow of wastewater, or other untreated discharge from a separate sanitary sewer system (which is not a combined sewer system), which results from a flow in excess of the carrying capacity of the system or from some other cause prior to reaching the headworks of the sewage treatment facility. SSOs are not authorized under this permit. The permittee shall immediately report any SSO to DEP in accordance with Part A III.C.4 of this permit.

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 92a 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; (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; (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; and (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; (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; and (40 CFR 122.61(b)(2))
 - c. 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. (40 CFR 122.61(b)(3))

d. The new permittee is in compliance with existing DEP issued permits, regulations, orders and schedules of compliance, or has demonstrated 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 schedules set forth in the permit), consistent with 25 Pa. Code § 92a.51 (relating to schedules of compliance) and other appropriate Department regulations. (25 Pa. Code § 92a.71)

3. In the event DEP does not approve transfer of this permit, the new owner or operator 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 122.41(b))

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.

IV. ANNUAL FEE

Permittees shall pay an annual fee in accordance with 25 Pa. Code § 92a.62. Annual fee amounts are specified in the following schedule and are due on each anniversary of the effective date of the most recent new or reissued permit. All flows identified in the schedule are annual average design flows. (25 Pa. Code § 92a.62)

Small Flow Treatment Facility (SRSTP and SFTF)	\$0
Minor Sewage Facility < 0.05 MGD (million gallons per day)	\$250
Minor Sewage Facility ≥ 0.05 and < 1 MGD	\$500
Minor Sewage Facility with CSO (Combined Sewer Overflow)	\$750
Major Sewage Facility ≥ 1 and < 5 MGD	\$1,250
Major Sewage Facility ≥ 5 MGD	\$2,500
Major Sewage Facility with CSO	\$5,000

As of the effective date of this permit, the facility covered by the permit is classified in the following fee category: **Major Sewage Facility ≥ 5 MGD.**

Invoices for annual fees will be mailed to permittees approximately three months prior to the due date. In the event that an invoice is not received, the permittee is nonetheless responsible for payment. Throughout a five year permit term, permittees will pay four annual fees followed by a permit renewal application fee in the last year of permit coverage. Permittees may contact the DEP at 717-787-6744 with questions related to annual fees. The fees identified above are subject to change in accordance with 25 Pa. Code § 92a.62(e).

Payment for annual fees shall be remitted to DEP at the address below by the anniversary date. Checks should be made payable to the Commonwealth of Pennsylvania.

PA Department of Environmental Protection
Bureau of Clean Water
Re: Chapter 92a Annual Fee
P.O. Box 8466
Harrisburg, PA 17105-8466

PART C

I. CHESAPEAKE BAY NUTRIENT REQUIREMENTS

A. The Annual Net Total Nitrogen (TN) and Annual Net Total Phosphorus (TP) Mass Load effluent limitations ("Cap Loads") in Part A of this permit are required in order to meet the downstream water quality standards of the State of Maryland, as required by 25 Pa. Code Chapter 92a, the federal Clean Water Act, and implementing regulations.

B. Definitions

Annual Net Mass Load (lbs): The sum of Monthly Total Mass Loads for one year beginning October 1st and ending September 30th, adjusted for credits sold and applied and offsets applied. Annual Net Mass Loads are compared to Cap Loads to determine compliance.

Cap Load (lbs): The mass load of a pollutant authorized by an NPDES permit. Cap Loads for TN and TP are implemented in NPDES permits by the establishment of Annual Net Mass Load limits. The term "Net" is used to recognize that Credits and Offsets may be used to comply with the limits. The Annual Net Mass Load must be less than or equal to the Cap Load to achieve compliance.

Certification: Written approval by DEP of a proposed pollutant reduction activity to generate credits before the credits are verified and registered to be used to comply with NPDES permit effluent limitations.

Compliance Year: The year-long period starting October 1st and ending September 30th. The Compliance Year will be named for the year in which it ends. For example, the period of October 1, 2015 through September 30, 2016 is compliance year 2016.

Credit: The tradable unit of compliance that corresponds with a unit of reduction of a pollutant as recognized by DEP which, when certified, verified and registered, may be used to comply with NPDES permit effluent limitations.

Delivery Ratio: A ratio that compensates for the natural attenuation of a pollutant as it travels in water before it reaches a defined compliance point.

Offset: The pollutant load reduction measured in pounds (lbs) that is created by an action, activity or technology which when approved by DEP may be used to comply with NPDES permit effluent limitations, conditions and stipulations under 25 Pa. Code Chapter 92a (relating to NPDES permitting, monitoring and compliance.) The offset may only be used by the NPDES permittee that DEP determines is associated with the load reduction achieved by the action, activity or technology.

Registration: An accounting mechanism used by DEP to track certified and verified credits before they may be used to comply with NPDES permit effluent limitations.

Total Mass Load (lbs):

Monthly Total Mass Load = The sum of the actual daily discharge loads for TN and TP (lbs/day) divided by the number of samples per month, multiplied by the number of days in the month in which there was a discharge. The daily discharge load for TN and TP (lbs/day) equals the average daily flow (MGD) on the day of sampling, multiplied by that day's sample concentration for TN and TP (mg/l), multiplied by 8.34.

Annual Total Mass Load = The sum of the Monthly Total Mass Loads for one year beginning October 1st and ending September 30th.

Total Nitrogen: For concentration and load, Total Nitrogen is the sum of Total Kjeldahl-N (TKN) plus Nitrite-Nitrate as N (NO₂+NO₃-N), where TKN and NO₂+NO₃-N are measured in the same sample.

Truing Period: The time provided following each Compliance Year for a permittee to comply with Cap Loads through the application of Credits and Offsets. The Truing Period will start on October 1st and end on November 28th of the same calendar year, unless DEP extends this period. During this period, compliance for the specified year may be achieved by using registered Credits that were generated during that Compliance Year. For example, Credits that are used to achieve compliance in Compliance Year 2016 must have been generated during Compliance Year 2016. Approved Offsets that have been generated may also be applied during the Truing Period.

Verification: Assurance that the verification plan contained in a certification, permit or other approval issued by DEP has been implemented. Verification is required prior to registration of the credits for use in an NPDES permit to comply with NPDES permit effluent limitations.

C. Nutrient Credits

1. Credits may be used for compliance with the Cap Loads when authorized under 25 Pa. Code § 96.8 (Use of offsets and tradable credits from pollution reduction activities in the Chesapeake Bay Watershed), including amendments, updates and revisions thereto; in accordance with DEP's Phase 2 WIP Wastewater Supplement (see www.dep.pa.gov/npdes-bay); and in accordance with DEP's Phase 2 WIP Nutrient Trading Supplement (see www.dep.pa.gov/nutrient_trading).
2. Where effluent limitations for TN and/or TP are established in Part A of the permit for reasons other than the Cap Load assigned for protection of the Chesapeake Bay ("local nutrient limits"), the permittee may purchase and apply credits for compliance with the Cap Load(s) only when the permittee has demonstrated that local nutrient limits have been achieved.
3. Where local nutrient limits are established in Part A of the permit, the permittee may sell any credits generated only after the permittee has demonstrated that local nutrient limits have been achieved and those credits have been verified in accordance with the procedures established in the Phase 2 WIP Nutrient Trading Supplement.

D. Use of Offsets for Compliance

1. Offsets can only be used by the permittee to comply with its Cap Loads. Offsets are not eligible for use as Credits.
2. Offsets must be approved by DEP in writing before they may be applied for compliance with Cap Loads.
3. Offsets that are approved under this permit are listed in Part A, Footnotes. These Offsets may be applied each Compliance Year toward compliance with the Cap Loads. The application of these Offsets must be reported on an annual basis. Additional Offsets may be approved throughout the permit term.
4. Offsets may be approved for the connection of on-lot sewage disposal systems that existed prior to January 1, 2003 to public sewers. Twenty five pounds (25 lbs) of TN Offsets per year may be approved for each on-lot system retirement. These approved Offsets are cumulative. For example, if 10 on-lot systems are retired in year 1 (250 lbs TN approved Offsets) and 10 on-lot systems are retired in year 2, 500 lbs TN Offsets may be used toward compliance with the TN Cap Load in year 2 and thereafter.
5. For DEP to approve on-lot system retirement Offsets, the permittee must submit documentation indicating the on-lot systems existed prior to January 1, 2003 and were eliminated by connection to public sewers after January 1, 2003. This documentation must be retained by the permittee for as long as the Offsets are used to achieve compliance with Cap Loads.
6. Offsets may be approved for the transfer of load between facilities owned by the same entity if (1) the facility receiving Offsets does not discharge to waters classified as impaired for nutrients and (2) the Delivery Ratios approved by DEP for TN or TP, as applicable, are the same. Delivery ratios for the

facility authorized to discharge under this permit are listed in DEP's Phase 2 Watershed Implementation Plan (WIP) Wastewater Supplement, available at the following website:

www.dep.pa.gov/npdes-bay

Such Offsets may only be applied in the Compliance Year in which the transfer occurred, and are not cumulative.

7. Offsets may be approved for the acceptance of hauled-in septage at the permittee's facility from residential sources within the municipal Act 537 planning area. Three pounds (3 lbs) of TN Offsets per year may be approved per 1,000 gallons of septage accepted and processed at the facility. Offsets may be approved for the acceptance of residential septage only. For the purpose of these Offsets, septage is defined as material removed from a septic tank by pumping. No other hauled-in wastes, including but not limited to holding tank wastes, solids and sludges generated at other facilities, may be approved. Such approved Offsets may only be applied in the Compliance Year in which the septage was accepted, and are not cumulative.

E. Reporting Requirements

1. eDMR System – The permittee shall utilize DEP's electronic Discharge Monitoring Report (eDMR) system to submit DMR data and Supplemental DMR forms.
2. Supplemental Reports – The permittee shall utilize DEP's Annual Chesapeake Bay Spreadsheet ("Spreadsheet"), available at www.dep.pa.gov/npdes-bay, to record all nutrient concentrations and loads throughout the Compliance Year. The permittee shall also use the Spreadsheet to document all Credits sold and purchased and Offsets applied in order to calculate the facility's Annual Net Mass Loads for TN and TP. The permittee shall submit the Spreadsheet through the eDMR system at the time the Annual DMR is submitted.

II. POTW PRETREATMENT PROGRAM IMPLEMENTATION

- A. General Requirement – The permittee shall operate and implement a POTW pretreatment program in accordance with the federal Clean Water Act, the Pennsylvania Clean Streams Law, and the federal General Pretreatment Regulations at 40 CFR Part 403. The program shall also be implemented in accordance with the permittee's approved pretreatment program and any modifications thereto submitted by the permittee and approved by the Approval Authority.
- B. Annual Report and Other Requirements – The permittee shall submit a Pretreatment Annual Report by March 31 of each year to EPA that describes the permittee's pretreatment activities for the previous calendar year. The Pretreatment Annual Report shall include a description of pretreatment activities in all municipalities from which wastewater is received at the permittee's POTW. The Pretreatment Annual Report shall include the following information, at minimum:
 1. Industrial Listing – The Annual Report shall contain an updated industrial listing providing the names and addresses of all current Significant Industrial Users (SIUs) and Non-Significant Categorical Industrial Users (NSCIUs), as defined in 40 CFR 403.3, and the categorical standard, if any, applicable to each. The listing must: (1) identify any users that are subject to reduced reporting requirements under 40 CFR 403.12(e)(3); (2) identify which users are NSCIUs; (3) identify any users that have been granted a monitoring waiver in accordance with 40 CFR 403.12(e)(2) as well as the pollutants for which the waiver was granted and the date of the last POTW sampling event for each pollutant; and (4) identify any categorical industrial users that have been given mass-based limits in place of concentration-based categorical limits in accordance with 40 CFR 403.6(c)(5) or concentration-based limits in place of mass-based categorical limits in accordance with 40 CFR 403.6(c)(6).

In addition, the Annual Report shall contain a summary of any hauled-in wastes accepted at the POTW including the source of the wastes (domestic, commercial or industrial) and the receiving location for acceptance of the wastes. For each industrial source (whether or not classified as an SIU), the report shall indicate (1) the name and address of the industrial source; (2) the average daily amount of

wastewater received; (3) a brief description of the type of process operations conducted at the industrial facility; (4) whether the source facility is a categorical industrial user (including NSCIU), significant industrial users, or non-significant industrial user; and (5) any controls imposed on the user.

2. Control Mechanism Issuance – The Annual Report shall contain a summary of SIU control mechanism issuance, including a list of issuance, effective, and expiration dates for each SIU control mechanism. For each general control mechanism issued, provide the names of all SIUs covered by the general control mechanism and an explanation of how the users meet the criteria of 40 CFR 403.8(f)(1)(iii)(A) for issuance of a general control mechanism.
3. Sampling and Inspection – The Annual Report shall contain a summary of the number and types of inspections and sampling events 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. For any user subject to reduced reporting under 40 CFR 403.12(e)(3), the list shall include the date of the last POTW sampling event and the date of the last POTW inspection of the user. In addition, the report shall include a summary of the number of self-monitoring events conducted by each SIU and the number required to be conducted, including a list of all SIUs that did not submit the required number of reports and the reason why the reports were not submitted. For NSCIUs, the report shall provide the date of the compliance certification required under 40 CFR 403.12(q).
4. 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, including local limits, and the actions taken by the permittee to obtain compliance, including compliance schedules, 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 Section 403.8(f)(2)(viii), and include the parameter(s) in violation, the period of violation, the actions taken by the POTW in response to the violations, and the compliance status at the end of the reporting period. A copy of the publication of users meeting the significant noncompliance criteria shall be included. In addition, the report shall provide a list of users previously designated as NSCIUs that have violated (to any extent) any pretreatment standard or requirement during the year and the date and description of the violation(s).
5. Summary of POTW Operations – The Annual Report shall contain a summary of any interference, pass-through, or permit violations by the POTW and indicate the following: (1) which, if any, permit violations may be attributed to industrial users; (2) which IU(s) are responsible for such violations; and (3) the actions taken to address these events. The report shall also include all sampling and analysis of POTW treatment plant influent, effluent, and sludge conducted during the year for local limit and priority pollutants identified pursuant to Section 303(d) of the Clean Water Act, 33 U.S.C. 1313(d).
6. Pretreatment Program Changes – The Annual Report shall contain a summary of any changes made or proposed to the approved program during the period covered by the report and the date of submission to the Approval Authority.

A summary of pretreatment activities shall be incorporated into the permittee's Annual Municipal Wasteload Management Report required by 25 Pa. Code Chapter 94 and referenced in Part B I.C.4 of this permit.

- C. Routine Monitoring – The permittee shall conduct monitoring at its treatment plant that, at a minimum, includes quarterly influent, effluent, and sludge analysis for all pollutants for which local limits have been established, and an annual priority pollutant 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, as defined at 40 CFR 403.3(p) and (k), respectively, known or suspected to be related to a 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 also be sent to the EPA at the address provided below.

- E. **Headworks Analysis** – The permittee shall submit to EPA a reevaluation of its local limits based on a headworks analysis of its treatment plant within one (1) year of permit issuance, and provide a revised submission within three (3) months of receipt of comments from EPA or DEP unless a longer period of time is granted in writing by EPA or DEP. In order to ensure that the permittee's discharge complies with water quality standards, the reevaluation of local limits shall consider, at a minimum, all water quality standards under 25 Pa. Code Chapter 93 applicable to the pollutants included in the reevaluation, unless the POTW is subject to an effluent limitation for the pollutant in Part A of this permit. The list of pollutants to be evaluated, as well as a sampling plan for collection of necessary data, shall be submitted to EPA within three (3) months of permit issuance. Unless otherwise approved in writing, the list of pollutants shall include arsenic, cadmium, chromium, copper, cyanide, lead, mercury, molybdenum, nickel, selenium, silver, zinc, BOD₅, TSS, ammonia, any pollutants for which a local limit currently exists, any pollutant limited in this permit, as well as any other pollutants that have been identified in the POTW through monitoring or the receipt of indirect discharges and hauled-in wastes in quantities that have the potential to cause pass through and/or interference. For example, facilities receiving residual waste from oil and gas operations should include pollutants such as Total Dissolved Solids (TDS), specific ions such as chlorides and sulfates, specific radionuclides, metals such as barium and strontium, and other pollutants that could reasonably be expected to be present. Within four (4) months of acceptance of the headworks analysis by the Approval Authority, the permittee shall adopt the revised local limits and, if necessary to ensure that the limits are enforceable throughout the service area, notify all contributing municipalities of the need to adopt the revised local limits.
- F. **Changes to Pretreatment Program** – EPA and DEP 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. The POTW proposes to introduce new pollutants or an increased loading of approved pollutants as described in Part A III.C.2 of this permit;
 4. Federal, State, or local requirements change;
 5. Changes are needed to assure protection of waters of the Commonwealth.
- Program modification is necessary whenever there is a significant change in the operation of the pretreatment program that differs from the information contained in the permittee's submission, as approved under 40 CFR 403.11.
- 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 objection must be submitted in writing to EPA and DEP.
- H. **Correspondence** – The Approval Authority shall be EPA at the following address:

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

III. SOLIDS MANAGEMENT

- A. The permittee shall manage and properly dispose of sewage sludge and/or biosolids by performing sludge wasting that maintains an appropriate mass balance of solids within the treatment system. The wasting rate must be developed and implemented considering the specific treatment process type, system

loadings, and seasonal variation while maintaining compliance with effluent limitations. Holding excess sludge within clarifiers or in the disinfection process is not permissible.

- B. The permittee shall submit the Supplemental Reports entitled, "Supplemental Report – Sewage Sludge/Biosolids Production and Disposal" (Form No. 3800-FM-BPNPSM0438) and "Supplemental Report – Influent & Process Control" (Form No. 3800-FM-BPNPSM0436), as attachments to the DMR on a monthly basis. When applicable, the permittee shall submit the Supplemental Reports entitled, "Supplemental Report – Hauled In Municipal Wastes" (Form No. 3800-FM-BPNPSM0437) and "Supplemental Report – Hauled In Residual Wastes" (Form No. 3800-FM-BPNPSM0450), as attachments to the DMR.
- C. By March 31 of each year, the permittee shall submit a "Sewage Sludge Management Inventory" that summarizes the amount of sewage sludge and/or biosolids produced and wasted during the calendar year from the system. The "Sewage Sludge Management Inventory" may be submitted with the Municipal Wasteload Management Report required by Chapter 94. This summary shall include the expected sewage sludge production (estimated using the methodology described in the U.S. EPA handbook, "Improving POTW Performance Using the Composite Correction Approach" (EPA-625/6-84-008)), compared with the actual amount disposed during the year. Sludge quantities shall be expressed as dry weight in addition to gallons or other appropriate units.

IV. WHOLE EFFLUENT TOXICITY (WET)

A. General Requirements

- 1. The permittee shall conduct Chronic WET tests as specified in this section. The permittee shall collect discharge samples and perform WET tests to generate chronic survival and reproduction data for the cladoceran, *Ceriodaphnia dubia* and chronic survival and growth data for the fathead minnow, *Pimephales promelas*.
- 2. Samples shall be collected at Outfall 002 in accordance with paragraph E.
- 3. The permittee shall perform testing using the following dilution series: **14%**, **27%**, **54%**, **77%**, and **100%** effluent, with a control, where **54%** is the facility-specific Target In-Stream Waste Concentration (TIWC).
- 4. The determination of whether a test endpoint passes or fails shall be made using DEP's WET Analysis Spreadsheet (available at www.depweb.state.pa.us/wett) by comparing replicate data for the control with replicate data for the TIWC dilution or any dilution greater than the TIWC.
- 5. The permittee shall submit only valid WET test results to DEP.

B. Test Frequency and Reporting

- 1. WET testing shall be conducted annually, at a minimum, during the period January 1 – December 31. Annual WET tests must be completed at least 6 months apart, and shall start in the year the permit becomes effective if the permit effective date is prior to October 1.
- 2. A complete WET test report shall be submitted to the DEP regional office that issued the permit within 45 days of test completion. A complete WET test report submission shall include the information contained in paragraph H, below. The permittee shall continue annual WET monitoring, at a minimum, during the permit renewal review period and during any period of administrative extension of this permit.
- 3. If a test failure is determined for any endpoint during annual monitoring, the permittee shall initiate a re-test for the species with the failure within 45 days of test completion. All endpoints for the species shall be evaluated in the re-test. The results of the re-test shall be submitted to the DEP regional office that issued the permit.

4. If a passing result is determined for all endpoints in a re-test, the permittee may resume annual monitoring.
5. If there is a failure for one or more endpoints in a re-test, the permittee shall initiate or continue quarterly WET testing for both species until there are four consecutive passing results for all endpoints. The results of all tests shall be submitted to the DEP regional office that issued the permit. In addition, the permittee shall initiate a Phase I Toxicity Reduction Evaluation (TRE) as specified in paragraph C, below.
6. The permittee shall attach the WET Analysis Spreadsheet for the latest four consecutive WET tests to the NPDES permit renewal application that is submitted to DEP at least 180 days prior to the permit expiration date.

C. Phase I Toxicity Reduction Evaluation (TRE)

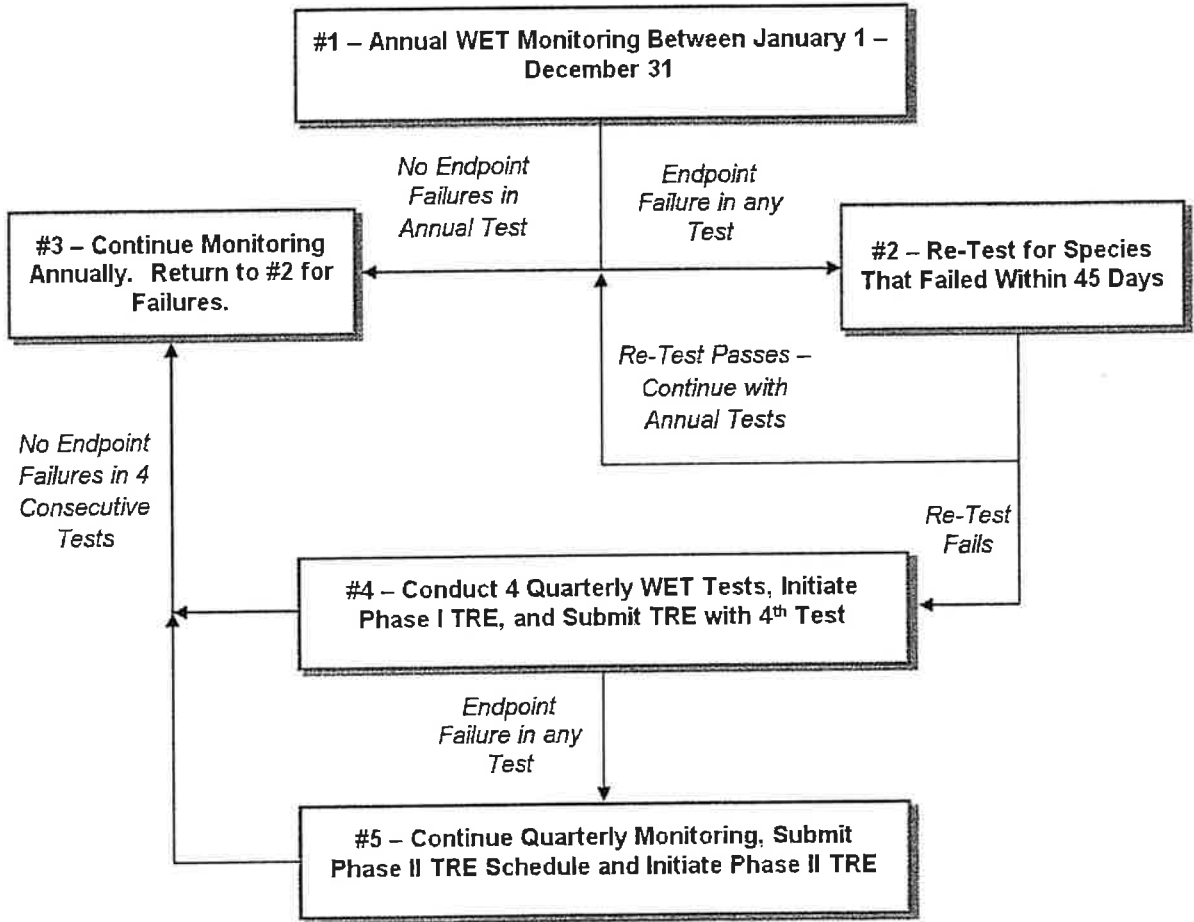
1. The Phase I TRE trigger is one WET endpoint failure followed by a re-test that confirms the failure for the same species. When the TRE process is triggered, quarterly WET testing shall be initiated for both species until there are four consecutive passing results for all endpoints. The Phase I TRE may include a Toxicity Identification Evaluation (TIE) if the permittee cannot immediately identify the possible causes of the effluent toxicity and the possible sources of the causative agents.
2. The permittee shall, within one year following the Phase I TRE trigger, submit a Phase I TRE report to the DEP regional office that issued the permit. The Phase I TRE shall be conducted in accordance with EPA's guidance, "Toxicity Reduction Evaluation for Municipal Wastewater Treatment Plants" (EPA/833B-99/002), "Generalized Methodology for Conducting Industrial Toxicity Reduction Evaluations" (EPA/600/2-88/070), and other relevant EPA guidance, as applicable. If a TIE is conducted as part of the Phase I TRE, it shall conform to EPA's guidance, "Methods for Aquatic Toxicity Identification Evaluations Phase I" (EPA/600/6-91/003), "Phase II" (EPA/600/R-92/080), "Phase III" (EPA/600/R-92/081) and other relevant EPA guidance. The Phase I TRE report shall be submitted with the fourth quarterly WET test report that is completed following the Phase I TRE trigger. The TRE shall include all activities undertaken to identify the cause(s) and source(s) of toxicity and any control efforts.
3. If all four quarterly WET tests produce passing results for all endpoints during the Phase I TRE process, performance of a Phase II TRE is not required, and annual WET testing in accordance with paragraph B.1 may resume.
4. If the four WET tests produce at least one failing result during the Phase I TRE process, the permittee shall continue quarterly WETT monitoring for both species and initiate a Phase II TRE in accordance with paragraph D. In this case, the Phase I TRE must include a schedule for completion of the Phase II TRE. The schedule must include interim milestones and a final completion date not to exceed two years from the initiation of the Phase II TRE. The permittee shall implement the Phase II TRE in accordance with the schedule unless DEP issues written approval to modify the schedule or cease performance of the Phase II TRE.
5. Re-tests during the TRE process are required for invalid tests but are optional and at the discretion of the permittee for valid tests. The results of all re-tests must be submitted to the DEP regional office that issued the permit along with the required elements in paragraph H.

D. Phase II Toxicity Reduction Evaluation (TRE)

1. The Phase II TRE trigger is one WET endpoint failure during performance of the Phase I TRE. A Phase II TRE, if required, shall conform to EPA's guidance, "Toxicity Reduction Evaluation for Municipal Wastewater Treatment Plants" (EPA/833B-99/002), "Generalized Methodology for Conducting Industrial Toxicity Reduction Evaluations" (EPA/600/2-88/070), and other relevant EPA guidance, as applicable. A Phase II TRE evaluates the possible control options to reduce or eliminate the effluent toxicity and the implementation of controls.

2. Once initiated, the Phase II TRE must continue until the source(s) of toxicity are controlled as evidenced by four consecutive WET test passing results for all endpoints, and a final TRE report must be submitted on or before the date specified in the schedule, unless otherwise approved by DEP in writing.
3. If four consecutive quarterly WET tests produce passing results for all endpoints during the Phase II TRE process, annual WET testing in accordance with paragraph B.1 may be initiated or resume.

An overview of the process described in paragraphs B, C and D is presented below:



E. Sample Collection

For each acute testing event, a 24-hour flow-proportioned composite sample shall be collected. For each chronic testing event, three 24-hour flow-proportioned, composite samples shall be collected over a seven day exposure period. The samples must be collected at a frequency of not greater than every two hours and must be flow-proportioned. The samples must be collected at the permit compliance sampling location. Samples must be analyzed within 36 hours from the end of the compositing period and must be placed on ice and held at $\leq 6^{\circ}\text{C}$. Refer to the sample handling and preservation regulations set forth in 40 CFR 136, 25 Pa. Code Chapter 252, The NELAC Institute (TNI) Standard, and the appropriate EPA methods.

F. Test Conditions and Methods

Laboratories must be accredited by the DEP Laboratory Accreditation Program in order to perform and report WET tests for NPDES permit compliance. Laboratories must be either State or NELAP accredited.

1. Acute tests shall be completed in accordance with EPA's "Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms" (EPA-821-R-02-012, latest edition). Forty eight (48) hour static non-renewal tests shall be used.
2. Chronic tests shall be completed in accordance with EPA's "Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms" (EPA-821-R-02-013, latest edition). Seven (7) day tests shall be used with renewal every 24 hours.
3. The quality assurance and control (QA/QC) requirements and test acceptability standards specified in EPA's test methods and the requirements set forth in 25 Pa Code Chapter 252 or the TNI Standard must be followed.
4. If the permittee or its accredited laboratory determines that QA/QC requirements and/or test acceptability standards have not been met, a re-test shall be initiated within 45 days. Original test data must be maintained by the laboratory and be submitted to DEP upon request. The justification for a re-test must be clearly documented and kept on file with the sample results.

G. Chemical Analyses

Chemical analyses must follow the requirements of the EPA methods and applicable State and/or Federal regulations.

1. Chemical analysis on effluent samples shall include pH, Conductivity, Total Alkalinity, Total Hardness, Total Residual Chlorine, Total Ammonia (Unionized Ammonia), Dissolved Oxygen and temperature. Chemical analyses as described in the EPA Methods (above) shall be performed for each sampling event, including each new batch of dilution water and each testing event.
2. In addition to the chemical analyses required above, those parameters listed in Part A of the NPDES permit for the outfall(s) tested shall be analyzed concurrently with the WET test by using the method(s) specified in the permit.

H. WET Report Elements

WET test reports that are submitted to DEP must include the requirements identified in 25 Pa. Code § 252.401(j)(1) – (15) or in the TNI Standard, or equivalent, as well as the following information:

1. A general test description, including the origin and age of test organisms, dates and results of reference toxicant tests, light and temperature regimes, and other documentation that QA and test acceptability criteria as specified in EPA's methods and DEP's QA Summaries have been met.
2. A description of sample collection procedures and sampling location.
3. Name(s) of individual(s) collecting and transporting samples, including sample renewals, and the date(s) and time(s) of sample collection.
4. All chemical and physical data including laboratory quantitation limits and observations made on the species. The hardness shall be reported for each test condition.
5. Copies of raw data sheets and/or bench sheets with data entries and signatures.
6. When effluents are dechlorinated, dechlorination procedures must be described and if applicable a thiosulfate control used in addition to the normal dilution water control. If the thiosulfate control results are significantly different from the normal control, as determined using DEP's WET Analysis Spreadsheet, the thiosulfate control shall be used in the spreadsheet for comparison with the TIWC condition. The WET report must specify which control was used to determine whether the test result is pass or fail.

7. A description of all observations or test conditions that may have affected the test outcome.
8. Control charts for the species tested regarding age, temperature test range, mortality data and all reference toxicant tests.
9. A completed WET test summary report (3800-FM-BPNPSM0485).
10. A DEP WET Analysis Spreadsheet printout that provides control and TIWC replicate data and displays the outcome of the test (pass or fail) for each endpoint tested.

WETT reports shall be submitted to the DEP regional office that issued the permit and, for discharges to the Delaware River basin, the Delaware River Basin Commission (DRBC).

V. REQUIREMENTS APPLICABLE TO STORMWATER OUTFALLS

- A. The permittee is authorized to discharge non-polluting stormwater from its site, alone or in combination with other wastewaters, through the following outfalls:

Outfall No.	Latitude	Longitude	Receiving Water(s)
001	39° 59' 08"	76° 43' 25"	Codorus Creek
003	39° 59' 17"	76° 43' 37"	UNT to Codorus Creek
004	39° 59' 19"	76° 43' 38"	UNT to Codorus Creek
005	39° 59' 20"	76° 43' 36"	UNT to Codorus Creek
006	39° 59' 20"	76° 43' 32"	UNT to Codorus Creek
007	39° 59' 23"	76° 43' 32"	UNT to Codorus Creek
008	39° 59' 06"	76° 43' 24"	Codorus Creek

Monitoring requirements and effluent limitations for these outfalls are specified in Part A of this permit, if applicable.

- B. Preparedness, Prevention and Contingency (PPC) Plan

1. The permittee shall develop and implement a PPC Plan in accordance with 25 Pa. Code § 91.34 following the guidance contained in DEP's "Guidelines for the Development and Implementation of Environmental Emergency Response Plans" (DEP ID 400-2200-001), its NPDES-specific addendum and the minimum requirements below.
 - a. The PPC Plan must identify all potential sources of pollutants that may reasonably be expected to affect the quality of stormwater discharges from the facility.
 - b. The PPC Plan must describe preventative measures and BMPs that will be implemented to reduce or eliminate pollutants from coming into contact with stormwater resulting from routine site activities and spills.
 - c. The PPC Plan must address actions that will be taken in response to on-site spills or other pollution incidents.
 - d. The PPC Plan must identify areas which, due to topography or other factors, have a high potential for soil erosion, and identify measures to limit erosion. Where necessary, erosion and sediment control measures must be developed and implemented in accordance with 25 Pa. Code Chapter 102 and DEP's "Erosion and Sediment Pollution Control Manual" (DEP ID 363-2134-008).
 - e. The PPC Plan must address security measures to prevent accidental or intentional entry which could result in an unintentional discharge of pollutants.
 - f. The PPC Plan must include a plan for training employees and contractors on pollution prevention, BMPs, and emergency response measures.

- g. If the facility is subject to SARA Title III, Section 313, the PPC Plan must identify releases of "Water Priority Chemicals" within the previous three years. Water Priority Chemicals are those identified in EPA's "Guidance for the Determination of Appropriate Methods for the Detection of Section 313 Water Priority Chemicals" (EPA 833-B-94-001, April 1994). The Plan must include an evaluation of all activities that may result in the stormwater discharge of Water Priority Chemicals.
 - h. Spill Prevention Control and Countermeasure (SPCC) plans may be used to meet the requirements of this section if the minimum requirements are addressed.
2. The permittee shall review and if necessary update the PPC Plan on an annual basis, at a minimum, and when one or more of the following occur:
- a. Applicable DEP or federal regulations are revised, or this permit is revised.
 - b. The PPC Plan fails in an emergency.
 - c. The facility's design, industrial process, operation, maintenance, or other circumstances change in a manner that materially increases the potential for fires, explosions or releases of toxic or hazardous constituents; or which changes the response necessary in an emergency.
 - d. The list of emergency coordinators or equipment changes.
 - e. When notified in writing by DEP.

The permittee shall maintain all PPC Plan updates on-site, make the updates available to DEP upon request.

C. Minimum Required BMPs

In addition to BMPs identified in the PPC Plan, the permittee shall implement the following minimum BMPs relating to stormwater pollution prevention:

1. If applicable, post-construction stormwater BMPs that are required under 25 Pa. Code Chapter 102 must be maintained.
2. Manage sludge in accordance with all applicable permit requirements.
3. Store chemicals in secure and covered areas on impervious surfaces away from storm drains.
4. For new facilities and upgrades, design wastewater treatment facilities to avoid, to the maximum extent practicable, stormwater commingling with sanitary wastewater, sewage sludge, and biosolids.
5. Efficiently use herbicides for weed control. Where practicable, use the least toxic herbicide that will achieve pest management objectives. Do not apply during windy conditions.
6. Do not wash parts or equipment over impervious surfaces that wash into storm drains.
7. Implement infiltration techniques, including infiltration basins, trenches, dry wells, porous pavement, etc., wherever practicable.

D. Routine Inspections.

Areas contributing to a stormwater discharge associated with industrial activity shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. BMPs in the PPC Plan and required by this permit shall be inspected on a semiannual basis, at a minimum, to determine whether they are adequate and properly implemented in accordance with the terms of this permit or whether additional control measures are needed. Documentation of inspections shall be maintained on-site and be made

available to DEP upon request.

E. Stormwater Sampling Requirements

If stormwater sampling is required in Part A of this permit, the following requirements apply:

1. All samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inch in magnitude and that occurs at least 72 hours from the previously measurable (greater than 0.1 inch rainfall) storm event. The 72-hour storm interval is waived when the preceding storm did not yield a measurable discharge, or if the permittee is able to document that a less than 72-hour interval is representative for local storm events during the sample period.
2. Grab samples shall be taken during the first 30 minutes of the discharge. If the collection of a grab sample during the first 30 minutes is not possible, a grab sample can be taken during the first hour of the discharge, in which case the discharger shall provide an explanation of why a grab sample during the first 30 minutes was not possible.

VI. OTHER REQUIREMENTS

- A. No storm water from pavements, area ways, roofs, foundation drains or other sources shall be directly admitted 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 or 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 25 Pa. Code, Chapters 271, 273, 275, 283, and 285 (related to permits and requirements for landfilling, land application, incineration, and storage of sewage sludge), Federal Regulation 40 CFR 257, Pennsylvania Clean Streams Law, Pennsylvania Solid Waste Management Act of 1980, and the Federal Clean Water Act and its amendments. The permittee is responsible to obtain or assure that contracted agents have all necessary permits and approvals for the handling, storage, transport, and disposal of solid waste materials generated as a result of wastewater treatment.
- D. The permittee shall optimize chlorine dosages used for disinfection or other purposes to minimize the concentration of Total Residual Chlorine (TRC) in the effluent, meet applicable effluent limitations, and reduce the possibility of adversely affecting the receiving waters. Optimization efforts may include an evaluation of wastewater characteristics, mixing characteristics, and contact times, adjustments to process controls, and maintenance of the disinfection facilities. If DEP determines that effluent TRC is causing adverse water quality impacts, DEP may reopen this permit to apply new or more stringent effluent limitations and/or require implementation of control measures or operational practices to eliminate such impacts.

Where the permittee does not use chlorine for primary or backup disinfection, but proposes the use of chlorine for cleaning or other purposes, the permittee shall notify DEP prior to initiating use of chlorine and monitor TRC concentrations in the effluent on each day in which chlorine is used. The results shall be submitted as an attachment to the DMR. When chlorine is used for Outfall 002, the permittee shall achieve compliance with TRC effluent limitations specified in Part A.I.A of this permit.

- E. At an influent flow rate of 53 MGD or higher, the Train #2 Secondary Clarifier effluent, bypassing existing sand filters and UV disinfection system, may be discharged to Codorus Creek via Outfall 001, contingent upon compliance with effluent limitations and monitoring requirements identified in Part A of this permit. Except for the Train #2 Secondary Clarifier effluent and stormwater, discharge of other wastewaters via Outfall 001 is prohibited.

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pennsylvania
 DEPARTMENT OF ENVIRONMENTAL PROTECTION

**COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)**

PERMITTEE NAME/ADDRESS

York City Sewer Authority
 345 E Market Street
 York, PA 17403-5614
 York City WWTP
 Manchester Township
 York County
 7-H

PA0026263
 PERMIT NUMBER

001
 OUTFALL NUMBER

Reporting Frequency: Monthly
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 Permit Application Due: March 4, 2022

Check Here if No Discharge

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PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	VALUE	VALUE				
Flow	Report Avg Mo	Report Daily Max	MGD	XXX	XXX	XXX	XXX	XXX			
	XXX	XXX		6.0 Min	9.0 IMAX					Continuous	Measured
pH	Report Avg Mo	XXX	XXX	XXX	XXX	XXX	XXX	S.U.	1/day		Grab
	XXX	XXX		5.0 Min	XXX	XXX	XXX				
DO	Report Avg Mo	XXX	XXX	XXX	XXX	XXX	XXX	mg/L	1/day		Grab
	XXX	XXX		XXX	0.13 Avg Mo	0.44 IMAX					
TRC	Report Avg Mo	Report Wkly Avg	lbs/day	XXX	XXX	XXX	XXX	mg/L	1/day		Grab
	XXX	XXX		XXX	13.0 Avg Mo	19.0 Wkly Avg					
CBOD5 May 1 - Oct 31	Report Avg Mo	Report Wkly Avg	lbs/day	XXX	XXX	XXX	XXX	mg/L	5/week		24-Hr Composite
	XXX	XXX		XXX	20.0 Avg Mo	30.0 Wkly Avg					
CBOD5 Nov 1 - Apr 30	Report Avg Mo	Report Wkly Avg	lbs/day	XXX	XXX	XXX	XXX	mg/L	5/week		24-Hr Composite
	XXX	XXX		XXX	XXX	XXX	XXX				

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE NUMBER YEAR MO DAY
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")		

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel who are authorized to submit the information contained herein. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 5.4904 (relating to unsworn fabrication).

Appendix A-20-b

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BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
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		VALUE	UNITS	VALUE	VALUE	UNITS	VALUE			
TSS	Report Avg Mo	Report Wkly Avg	lbs/day	XXX	30.0 Avg Mo	45.0 Wkly Avg	mg/L		5/week	24-Hr Composite
	XXX	XXX		XXX						
Fecal Coliform May 1 - Sep 30	Report Avg Mo	Report Wkly Avg	lbs/day	XXX	200 Geo Mean	1000 IMAX	No./100 ml		5/week	Grab
	XXX	XXX		XXX						
Fecal Coliform Oct 1 - Apr 30	Report Avg Mo	Report Wkly Avg	lbs/day	XXX	2000 Geo Mean	10000 IMAX	No./100 ml		5/week	Grab
	XXX	XXX		XXX						
Ammonia May 1 - Oct 31	Report Avg Mo	Report Wkly Avg	lbs/day	XXX	1.7 Avg Mo	XXX	mg/L		5/week	24-Hr Composite
	XXX	XXX		XXX						
Ammonia Nov 1 - Apr 30	Report Avg Mo	Report Wkly Avg	lbs/day	XXX	2.1 Avg Mo	XXX	mg/L		5/week	24-Hr Composite
	XXX	XXX		XXX						
Total Phosphorus	Report Avg Mo	Report Wkly Avg	lbs/day	XXX	2.0 Avg Mo	XXX	mg/L		5/week	24-Hr Composite
	XXX	XXX		XXX						

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	DATE
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")		AREA CODE	NUMBER
		YEAR	MO
		DAY	DAY

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted, and that the information submitted complies with the reporting requirements of this act or any other law which may apply directly or indirectly to the information. The information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Appendix A-20-b

3800-FM-BPNP5M0462 3/2012



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)**

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York, PA 17403-5614
 FACILITY York City WWTP
 LOCATION Manchester Township
York County
 WATERSHED 7-H

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		VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
TSS	MEASUREMENT PERMIT	6505	Avg Mo	9758	Wkly Avg	30.0	Avg Mo	45.0	Wkly Avg	mg/L	24-Hr Composite
	MEASUREMENT PERMIT	Report Avg Mo	lbs/day	Report Daily Max		XXX	Report Avg Mo	XXX			
Fecal Coliform May 1 - Sep 30	MEASUREMENT PERMIT	XXX		XXX		XXX	200	Geo Mean	1000	No./100 ml	Grab
	MEASUREMENT PERMIT	XXX		XXX		XXX	2000	Geo Mean	10000	No./100 ml	Grab
Ammonia May 1 - Oct 31	MEASUREMENT PERMIT	369	Avg Mo	XXX		XXX	1.7	Avg Mo	XXX	mg/L	24-Hr Composite
	MEASUREMENT PERMIT	455	Avg Mo	XXX		XXX	2.1	Avg Mo	XXX	mg/L	24-Hr Composite

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
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3800-FM-BPNPSM0462 3/2012



COMMONWEALTH OF PENNSYLVANIA
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		VALUE	UNITS	VALUE	VALUE	UNITS	VALUE			
Total Phosphorus	MEASUREMENT	434	XXX	XXX	XXX	XXX	XXX			
	PERMIT REQUIREMENT	Avg Mo	lbs/day	2.0 Avg Mo	mg/L	5/week	24-Hr Composite			
UV Transmittance	MEASUREMENT	XXX	XXX	Report Min	XXX	XXX	XXX		1/day	Recorded
	PERMIT REQUIREMENT	XXX	XXX	XXX	%					
	MEASUREMENT									
	PERMIT REQUIREMENT									
	MEASUREMENT									
	PERMIT REQUIREMENT									
	MEASUREMENT									
	PERMIT REQUIREMENT									

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TYPED OR PRINTED	AREA CODE	NUMBER	YEAR	MO	DAY
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")					

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

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		VALUE	UNITS	VALUE	VALUE				
Ammonia-Nitrogen	MEASUREMENT PERMIT REQUIREMENT	XXX		XXX					
	MEASUREMENT PERMIT REQUIREMENT	Report Total Mo	lbs	Report Avg Mo		mg/L	5/week	24-Hr Composite	
Total Kjeldahl Nitrogen	MEASUREMENT PERMIT REQUIREMENT	XXX		XXX					
	MEASUREMENT PERMIT REQUIREMENT	Report Total Mo	lbs	Report Avg Mo		mg/L	2/week	24-Hr Composite	
Nitrate-Nitrite as N	MEASUREMENT PERMIT REQUIREMENT	XXX		XXX					
	MEASUREMENT PERMIT REQUIREMENT	Report Total Mo	lbs	Report Avg Mo		mg/L	2/week	24-Hr Composite	
Total Nitrogen	MEASUREMENT PERMIT REQUIREMENT	XXX		XXX					
	MEASUREMENT PERMIT REQUIREMENT	Report Total Mo	lbs	Report Avg Mo		mg/L	1/month	Calculation	
Total Phosphorus	MEASUREMENT PERMIT REQUIREMENT	XXX		XXX					
	MEASUREMENT PERMIT REQUIREMENT	Report Total Mo	lbs	Report Avg Mo		mg/L	5/week	24-Hr Composite	
Total Nitrogen (Total Load, lbs) Effluent Net	MEASUREMENT PERMIT REQUIREMENT	XXX		XXX					
	MEASUREMENT PERMIT REQUIREMENT	Report Total Mo	lbs	XXX		XXX	1/month	Calculation	
Total Phosphorus (Total Load, lbs) Effluent Net	MEASUREMENT PERMIT REQUIREMENT	XXX		XXX					
	MEASUREMENT PERMIT REQUIREMENT	Report Total Mo	lbs	XXX		XXX	1/month	Calculation	

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

TELEPHONE _____ DATE _____
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT _____
 AREA CODE _____ NUMBER _____ YEAR _____ MO _____ DAY _____

TYPED OR PRINTED _____
 COMMENTS (Report all violations on the "Non-Compliance Reporting Form") _____



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF POINT AND NON-POINT SOURCE MANAGEMENT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)**

Appendix A-20-b

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		VALUE	UNITS	VALUE	VALUE	UNITS			
Ammonia-Nitrogen	MEASUREMENT	XXX		XXX		XXX			
	PERMIT REQUIREMENT	Report Total Mo	lbs	XXX	Report Avg Mo	XXX		5/week	24-Hr Composite
Total Kjeldahl Nitrogen	MEASUREMENT	XXX		XXX		XXX			
	PERMIT REQUIREMENT	Report Total Mo	lbs	XXX	Report Avg Mo	XXX		2/week	24-Hr Composite
Nitrate-Nitrite as N	MEASUREMENT	XXX		XXX		XXX			
	PERMIT REQUIREMENT	Report Total Mo	lbs	XXX	Report Avg Mo	XXX		2/week	24-Hr Composite
Total Nitrogen	MEASUREMENT	XXX		XXX		XXX			
	PERMIT REQUIREMENT	Report Total Mo	lbs	XXX	Report Avg Mo	XXX		1/month	Calculation
Total Phosphorus	MEASUREMENT	XXX		XXX		XXX			
	PERMIT REQUIREMENT	Report Total Mo	lbs	XXX	Report Avg Mo	XXX		5/week	24-Hr Composite
Total Nitrogen (Total Load, lbs)	MEASUREMENT	XXX		XXX		XXX			
	PERMIT REQUIREMENT	Report Total Mo	lbs	XXX	XXX	XXX		1/month	Calculation
Total Phosphorus (Total Load, lbs)	MEASUREMENT	XXX		XXX		XXX			
	PERMIT REQUIREMENT	Report Total Mo	lbs	XXX	XXX	XXX		1/month	Calculation

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

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I certify under penalty of law that this document was prepared under my direct supervision and that I am a duly licensed professional engineer in the Commonwealth of Pennsylvania. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

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3800-FM-BPNPMS0462 3/2012



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		VALUE	UNITS	VALUE	VALUE	UNITS			
Ammonia-Nitrogen (Total Load, lbs)	Report Total Annual	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
	Report Total Annual	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
Total Nitrogen (Total Load, lbs)	Report Total Annual	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
	Report Total Annual	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
Total Phosphorus (Total Load, lbs)	Report Total Annual	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
	Report Total Annual	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
Total Nitrogen (Total Load, lbs) Effluent Net	Report Total Annual	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
	Report Total Annual	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
Total Phosphorus (Total Load, lbs) Effluent Net	Report Total Annual	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
	Report Total Annual	XXX	lbs	XXX	XXX	XXX		1/year	Calculation

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		VALUE	UNITS	VALUE	VALUE	UNITS			
Ammonia-Nitrogen (Total Load, lbs)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
	Report Total/Annual								
Total Nitrogen (Total Load, lbs)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
	Report Total/Annual								
Total Phosphorus (Total Load, lbs)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
	Report Total/Annual								
Total Nitrogen (Total Load, lbs) Effluent Net	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
	474880 Total/Annual								
Total Phosphorus (Total Load, lbs) Effluent Net	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX	lbs	XXX	XXX	XXX		1/year	Calculation
	63317 Total/Annual								

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE		DATE	
	AREA CODE	NUMBER	YEAR	MO DAY
TYPED OR PRINTED	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			
I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who prepared this report, or those persons directly responsible for gathering the information, the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. 54804 (relating to unsworn falsification).				
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")				



INSTRUCTIONS FOR COMPLETING DISCHARGE MONITORING REPORTS (DMRs)

General

One or more Discharge Monitoring Reports (DMRs) are attached to your permit for reporting the results of self-monitoring activities as required by your permit. You should make copies of the DMRs for your ongoing use, unless you elect to participate in the Department of Environmental Protection's (DEP's) electronic DMR (eDMR) program (see www.dep.state.pa.us/edmr).

- Reporting frequencies will vary depending on the monitoring frequencies listed in your permit, and are generally monthly, quarterly semi-annually and annually.
- Your reports must be received by DEP on the 28th day of the month following the end of the reporting period, unless otherwise specified in Part C of your permit.
- Your permit may require submission of DMRs to other agencies, including the U.S. Environmental Protection Agency (EPA).
- If you receive DMRs in the mail from EPA, please discontinue use of DMR Form No. 3800-FM-BPNPSM0462 and begin using EPA's DMRs.
- DMRs will generally include pre-populated information for permittee name and address, facility location, permit number, outfall number, permit expiration date, parameter names, and permit requirements. If you identify any errors on a DMR issued by DEP, please contact the DEP regional office that issued your permit. If you identify any errors on a DMR issued by EPA, please contact DEP's Central Office at 717-787-6744. **DO NOT make changes to DMRs issued to you.**
- You may use computer-generated replicas of Form No. 3800-FM-BPNPSM0462 or of EPA's DMR if you receive prior approval from DEP and EPA. **DEP reserves the right to instruct you to discontinue the submission of computer-generated DMRs if the permit requirements you entered on the form are inaccurate.**

Instructions

1. Enter statistical results into each blank field below the "VALUE" column headers. Results must be reported in the same units shown on the DMR.
2. Sum the total number of excursions or exceedances of permit limits across the row for each parameter and enter the value into the "NO. EX" field. For example, if the permit contains limits of 6.0 S.U. (Minimum) and 9.0 S.U. (Maximum) for pH, and the Minimum and Maximum results are 5.9 S.U. and 9.1 S.U., respectively, enter "2" into the "NO. EX" field.
3. Report the actual sampling frequency and sample type utilized during the reporting period in the fields corresponding to "Frequency of Analysis" and "Sample Type", respectively.
4. Type the name of the principal executive officer (or an authorized agent designated by a principal executive officer) who is taking responsibility for the report, sign the report (should be in ink), enter the telephone number of the responsible individual, and record the date that the report was signed. Mail only original, signed copies of DMRs.
5. In the Comments section at the bottom of the DMR, you may write a brief summary of violations in this section; however, DEP requests that all violations during the monitoring period be reported in more detail on DEP's **Non-Compliance Reporting Form** (3800-FM-BPNPSM0440) and be submitted as an attachment to the DMR. Other uses of the Comments Section include explanations of attachments to the DMR, explanations for the unavailability of data, and brief summaries of issues that have affected operations or effluent quality during the monitoring period. Always consider attaching a letter or separate document to explain your situation in more detail.



No Discharge or No Data Available

If there was no discharge at all from an outfall during the monitoring period, check the "No Discharge" box on the top of the DMR. Complete the information above and below the table and mail the DMR to the appropriate agencies. Be sure to sign and date the DMR.

If there was no discharge of a specific parameter (e.g., if a chlorine limit is in the permit but chlorine was not used for disinfection during the entire reporting period), or if data are not available for a specific parameter for the entire reporting period, do not leave the DMR blank. Instead, report one of the following No Data Indicator (NODI) codes that apply to your situation in the appropriate value field, and **provide an explanation as an attachment to the DMR**:

- A** Use if you are exempted from monitoring the parameter because of a General Permit condition.
- E** Use if all samples or results are not available for the reporting period due to equipment failure or because sample collection was overlooked or samples could not be collected for the parameter.
- GG** Use if your permit requires sample collection and analysis only under certain conditions and those conditions were not met during the reporting period (e.g., report chlorine results only when chlorination system is used).
- FF** Other: use if there is any reason for the absence of data that is not covered by those above.

If you have at least one result for a parameter, the value should be reported and not a NODI code.

Calculations

The following explains how to calculate statistical values that are commonly required by permits:

Monthly Average – For Loading (lbs/day), sum the total of daily loadings and divide by the number of samples during the month. To calculate the daily loading, multiply the daily concentration (mg/l) by the flow (MGD) on the date of sampling and a conversion factor of 8.34. For Concentration, sum the total of daily concentrations and divide by the number of samples.

Weekly Average – For Loading (lbs/day), sum the total of average daily loadings during each week of the reporting period (beginning on a Sunday and ending on a Saturday) and divide by the number of samples during the week. For Concentration, sum the total of daily concentrations each week and divide by the number of samples. Report the maximum weekly average on the DMR.

Maximum Daily ("Daily Max") – Report the maximum concentration or load measured during a 24-hour period during the reporting period; if multiple measurements are taken daily, include all data in the analysis.

Instantaneous Maximum ("IMAX") – Report the maximum result obtained by a grab sample for a specific pollutant over the entire reporting period covered by a DMR.

Instantaneous Minimum ("Minimum") – Report the minimum result obtained by a grab sample for a specific pollutant over the entire reporting period covered by a DMR.

Total Monthly Load (lbs) – Sum the total of average daily loadings, divide by the number of samples during the month, and multiply by the number of days in the month.

Geometric Mean – Report the average of a set of n sample results given by the n th root of their product. If any result is zero (0), substitute 1 for the calculation. For example, five samples were analyzed with the following results: 20, 300, 400, 500, and 0. The calculation of geometric mean is as follows (note that you will need to use the power function on a calculator):

$$\sqrt[5]{20 \cdot 300 \cdot 400 \cdot 500 \cdot 1} = \sqrt[5]{1,200,000,000} = (1,200,000,000)^{1/5} = 65$$



Non-Detect Data

Conventional and Toxic Parameters

For calculating average values of data sets in which there are some "detections" (results at or above the laboratory reporting limit) and some "non-detect" data (results reported below the laboratory reporting limit), use the reporting limit for non-detect data. In other words, ignore the less than (<) symbol for statistical calculations and include the < symbol with the statistical result if there is at least one non-detect result in the data set. For example, four samples were analyzed with the following results: < 1.0, 2.0, < 1.0, and 1.0. The average statistical result is < 1.3.

Where the permit includes an effluent limitation for a parameter that is less than the most sensitive detection limit available, and the laboratory reports a value at or below the lowest level specified by the permit, you may use zero (0) in the calculation in lieu of the reporting limit, if the parameter is identified in 25 Pa. Code Chapter 16, Appendix A, Tables 2A and 2B. In general, parameters with limitations that are less than the most sensitive detection limit will be identified in Part C of the permit, if applicable.

Bacteria Parameters

Report all "non-detect" (e.g., < 2) and "too numerous to count" (TNTC) (e.g., > 2,000) results on DMR supplemental forms as reported by the laboratory. Do not report "TNTC" on supplemental forms, but instead report a value qualified with the ">" symbol. Where a data set includes one or more "non-detect" and/or TNTC results, calculate the geometric mean by ignoring qualifying symbols, but report the value with the symbol. If a data set includes both ">" and "<" qualifiers, the ">" qualifier takes precedence for reporting. For all "non-detect" values, specify in the Comments section of the DMR the maximum volume filtered at the laboratory.

Example 1 – For results are determined, < 2, 10, 20, and 30. The geometric mean should be reported as $< (2 \bullet 10 \bullet 20 \bullet 30)^{0.25} = < 10$. Specify the maximum volume filtered for the < 2 result in the DMR Comments.

Example 2 – Three results are determined, < 2, 1,000, and > 2,000. The geometric mean should be reported as $> (2 \bullet 1,000 \bullet 2,000)^{0.333} = > 158$.

Rounding and Precision

Statistical values reported on the DMR should be rounded to the same number of decimal places as the limit for the parameter as set forth in the permit. If the permit does not contain a limit but requests monitoring only, statistical values for concentration results should be rounded to the maximum number of decimal places in the data set as reported by the laboratory or the instrument used for analysis. If mass loads must be reported and there is no limit, round statistical values to the nearest whole number, unless the calculated number is less than one, in which case the value should be rounded to one significant figure (e.g., 0.1, 0.05, etc.). If the number you are rounding is followed by 5, 6, 7, 8, or 9, round the number up, otherwise round down.

The documents "Discharge Monitoring Reports Overview and Summary" (3800-BK-DEP3047) and "Management of Non-Detect Results for Discharge Monitoring Reports" (3800-FS-DEP4262) contain more information and are incorporated by reference. These documents are available on DEP's website.



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

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: York City WWTP Month: _____ Year: _____
 Municipality: Manchester Township County: York NPDES Permit No.: PA0026263 Outfall No.: 001
 Watershed: 7-H Renewal application due 180 days prior to expiration
 Laboratories: _____ This permit will expire on AUGUST, 31, 2022

Day	Flow		pH		DO		TRC		CBOD5		TSS		Fecal Coliform		Ammonia		Total Phosphorus		
	Q	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q	No./100 ml	Q	mg/L	Q	mg/L	
1																			
2																			
3																			
4																			
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Avg																			

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

Prepared By: _____ Signature: _____
 Title: _____ Date: _____



**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: York City WWTP Month: _____ Year: _____
 Municipality: Manchester Township NPDES Permit No.: PA0026263 Outfall No.: 002
 Watershed: 7-H County: York
 Laboratories: _____
 Renewal application due 180 days prior to expiration
 This permit will expire on AUGUST 31 2022

Day	Flow		pH		DO		CBOD5		TSS		Fecal Coliform		UV Transmittance		Ammonia		Total Phosphorus		
	Q	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	No./100 ml	Q	%	Q	mg/L	Q	mg/L	
1																			
2																			
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Prepared By: _____ Signature: _____
 Title: _____ Date: _____



SUPPLEMENTAL REPORT – INFLUENT & PROCESS CONTROL

Facility Name: York City WWTP County: York Month: _____ Year: _____
 Municipality: Manchester Township NPDES Permit No.: PA0026263
 Watershed: 7-H Renewal application due **180 days** prior to expiration
 This permit will expire on **AUGUST 31, 2022**

Day	Influent			Process Control				
	Flow (MGD)	BOD5 (mg/l)	BOD5 (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
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27								
28								
29								
30								
31								
Avg								
Max								

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

Prepared By: _____ Signature: _____
 Title: _____ Date: _____

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

3800-FM-BPNPMS0437 3/2012



SUPPLEMENTAL REPORT – HAULED IN MUNICIPAL WASTES

Facility Name: York City WWTP Month: _____ Year: _____
 Municipality: Manchester Township NPDES Permit No.: PA0026263
 Watershed: 7-H County: York
 Renewal application due **180 days** prior to expiration
 This permit will expire on **AUGUST 31, 2022**

Day	SEPTAGE			SLUDGE			OTHER (specify):			DAILY TOTALS			
	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Disposal Location	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Disposal Location	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (lbs)
1													
2													
3													
4													
5													
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Avg												Monthly Totals:	

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

Prepared By: _____ Signature: _____
 Title: _____ Date: _____



NON-COMPLIANCE REPORTING FORM

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

Facility Name: York City WWTP Month: _____ Year: _____
 Municipality: Manchester Township County: York Permit No.: PA0026263

Violations of Permit Effluent Limitations*

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

Sanitary Sewer Overflows and Other Unauthorized Discharges*

Event Date	Substance Discharged	Location	Volume (gals)	Duration (hrs)	Receiving Waters	Impact on Waters	Cause of Discharge	Date DEP Notified

Other Permit Violations*

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

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

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

Prepared By: _____ Signature: _____
 Title: _____ Date: _____



WHOLE EFFLUENT TOXICITY (WET) TEST SUMMARY REPORT COVER SHEET

NPDES Permit Number: PA0026263

Facility Name: York City WWTP

Species Tested: *Ceriodaphnia dubia* *Pimphales promelas* Test Type: Chronic Acute
Re-Test? Yes No (If Yes, indicate the date of original test completion: _____)

SAMPLE INFORMATION						
	Date/Time	Sample Source	Temperature	Holding Time	Chlorine	Dechlorinated?
1.	_____	_____	_____ °C	_____	_____ mg/L	<input type="checkbox"/> Yes <input type="checkbox"/> No
2.	_____	_____	_____ °C	_____	_____ mg/L	<input type="checkbox"/> Yes <input type="checkbox"/> No
3.	_____	_____	_____ °C	_____	_____ mg/L	<input type="checkbox"/> Yes <input type="checkbox"/> No

TEST CONDITIONS	
Date/Time of Test Initiation:	Date/Time of Test Termination:
<input type="checkbox"/> Renewal Test <input type="checkbox"/> Non-Renewal Test	Frequency of Renewals:
Dilution Series: _____	Target Instream Waste Concentration (TIWC):
Age of Organisms at Start of Tests:	Number of Organisms per Replicate:
Number of Replicates:	Feeding Regimen:
Source of Organisms:	Photoperiod:
Light Intensity:	Temperature measurements made at least once per 24-hour period? <input type="checkbox"/> Yes <input type="checkbox"/> No (attach log sheet)
DO measured daily in at least one replicate of each concentration? <input type="checkbox"/> Yes <input type="checkbox"/> No (attach log sheet)	Rate:
Were the test chambers aerated? <input type="checkbox"/> Yes <input type="checkbox"/> No	pH measured daily in at least one replicate of each concentration? <input type="checkbox"/> Yes <input type="checkbox"/> No (attach log sheet)
Were test acceptability criteria in the EPA method met? <input type="checkbox"/> Yes <input type="checkbox"/> No	Were there any modifications to or deviations from EPA methods (if Yes, explain on separate sheet)? <input type="checkbox"/> Yes <input type="checkbox"/> No

DILUTION / REAGENT WATER	
Date of Last Test for Chemistry:	Conductivity: _____ µmhos/cm
pH: _____	Chlorine: _____ mg/L

CONTROL RESULTS	
<i>Ceriodaphnia dubia</i>	<i>Pimphales promelas</i>
Survival:	Survival:
Percent that produced 3 broods (if applicable): _____ %	Mean Dry Weight of Survivors (if applicable): _____
Young per Surviving Female (if applicable): _____	

REFERENCE TOXICITY TESTS	
Date of most recent test:	Same conditions as test? <input type="checkbox"/> Yes <input type="checkbox"/> No
Were test acceptability criteria in the EPA method met? <input type="checkbox"/> Yes <input type="checkbox"/> No	

TEST RESULTS	
Control compared to: <input type="checkbox"/> TIWC Dilution <input type="checkbox"/> Other:	
Survival: <input type="checkbox"/> Pass <input type="checkbox"/> Fail Growth: <input type="checkbox"/> Pass <input type="checkbox"/> Fail Reproduction: <input type="checkbox"/> Pass <input type="checkbox"/> Fail	

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of the individuals personally responsible for obtaining the information, I believe the attached information is true, accurate and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine or imprisonment as provided by 18 Pa. C.S. §4904.

Name of Laboratory Manager Signature of Laboratory Manager Date DEP Lab ID No.



INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

DAILY EFFLUENT MONITORING REPORT

Use this form to report daily monitoring results for the parameters that must be monitored in effluent for compliance with the permit. Results for influent parameters are normally reported on Form 3800-FM-BPNPSM0436.

1. Enter Facility Name, Municipality, County, Watershed No., Laboratories, Month, Year, NPDES Permit No., Outfall No., and Permit Expiration Date (it is noted that this information may be pre-populated if you have received this form with your permit). For Laboratories, list the names of all laboratories where samples were analyzed during the month, including on-site analysis.
2. In the column headers, below "Effluent Parameters," enter the names of parameters in the permit. Since limited space is provided, abbreviation may be necessary. If there are more parameters for an outfall than columns provided on the form, attach an additional sheet.
3. Below parameter names, and to the right of "Q" (Qualifier) column headers, enter the units associated each parameter (it is noted that this information may be pre-populated if you have received this form with your permit).
4. Enter monitoring results for parameters in the rows corresponding to the day of the month in which samples were collected. Enter results exactly as reported by the laboratory, or if measured with on-site equipment, to the level of precision recommended by the equipment manufacturer. Enter data qualifiers such as "<," ">," "J," and others in the "Q" column.
5. Calculate and report average values at the bottom of the table in accordance with the DMR Instructions (3800-FM-BPNPSM0463) and DEP guidance (3800-BK-DEP3047). Note – for bacteria, calculate and report the geometric mean value.
6. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

INFLUENT AND PROCESS CONTROL REPORT

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., and Permit Expiration Date.
2. For **Influent**, enter daily average Influent Flow (MGD) (if an influent flow meter is in use), daily influent BOD₅ or CBOD₅ concentrations (mg/l) and loads (lbs), and daily influent TSS concentrations (mg/l) and loads (lbs). If an influent flow meter is not in use, you may use results from an effluent flow meter.
3. For **Process Control**, enter daily average Mixed Liquor Suspended Solids (MLSS) (mg/l) and daily average Aeration Dissolved Oxygen (DO) for aerobic biological treatment systems, and total daily Sludge Wasted (removed from biological treatment), in gallons, for all treatment system types. If a parameter does not apply to your facility, leave the column blank. Information for other parameters such as Return Activated Sludge (RAS) Rate, Recirculation Rate (for fixed media treatment systems), Sludge Blanket Thickness, Sludge Volume Index, and others may be requested by the DEP office that issued the permit.
4. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

HAULED IN MUNICIPAL WASTES REPORT

This form is intended for documenting the receipt of municipal wastes including sewage sludge, septage and other municipal wastewaters hauled in from other facilities for processing and/or disposal at your facility. This form should not be used for reporting receipt of residual wastes (e.g., food processing wastes, oil and gas wastewater, landfill leachate, etc.) - please use Form 3800-FM-BPNPSM0450 for reporting this information.



INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., and Permit Expiration Date.
2. For septage, biosolids and other wastewaters (specify type in the space provided), record the daily volume received in gallons, the daily BOD₅ concentration (average), the daily BOD₅ load in lbs (average), and the disposal location. For disposal location, specify the plant location or tank receiving hauled in wastes (e.g., headworks, primarily clarifier, digester, etc.).
3. Determine daily BOD₅ concentrations in mg/l by sampling loads in accordance with the permit or otherwise as determined by the facility. Periodic sampling of loads is encouraged to improve confidence in reported results.
4. Calculate the average, daily total and monthly total values and report the values in the spaces provided.
5. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

BIOSOLIDS PRODUCTION AND DISPOSAL FORM

1. Enter Facility Name, Municipality, County, Watershed No., Month, Year, NPDES Permit No., and Permit Expiration Date.

Biosolids Production Information

2. For each off-site removal event for liquid sewage sludge or biosolids and for dewatered sewage sludge or biosolids, and for each event where dewatered sewage sludge or biosolids are incinerated on-site, list the date of the event, identify the gallons (liquid) or tons (dewatered) removed or incinerated and the percent solids (e.g., 10%, 20%, etc.) Report only sewage sludge or biosolids that have been removed from the plant digesters and other solids which have been **permanently** removed from the treatment process. Do **not** include sewage sludge or biosolids from other facilities that are processed at your facility. (If there were no off-site removal events during the month, check the box above the table).

Calculate dry tons for liquid sewage sludge or biosolids by multiplying the volume (gallons) by the percent solids and by a conversion factor of 0.0000417. For example, if 2,500 gallons of liquid biosolids is removed, and the percent solids is 3.0%, dry tons is calculated as:

$$2,500 \text{ gallons} \times 3.0\% \times 0.0000417 = 0.31 \text{ dry tons}$$

Calculate dry tons for dewatered sewage sludge or biosolids by multiplying the tons dewatered by the percent solids and by a conversion factor of 0.01. For example, if 5 tons of dewatered biosolids is removed, and the percent solids is 50%, dry tons is calculated as:

$$5 \text{ tons} \times 50\% \times 0.01 = 2.5 \text{ dry tons}$$

The % **Solids** of liquid or dewatered sewage sludge or biosolids must be determined periodically through laboratory testing. Do not estimate or guess this value. An acceptable test method is method 2540B in *Standard Methods for the Examination of Water and Wastewater*, 18th edition, where samples are dried at 103-105°C. Other references such as ASTM may have equivalent tests which are also acceptable.

Biosolids and Incinerator Ash Disposal and Beneficial Use Information

3. Report sewage sludge, biosolids, and ash disposal and beneficial use information by disposal/application site. There are columns for four possible sites per month - if more sites are needed, attach additional pages. For each Site Name, listed at the top of the column, enter the Municipality and County of the site, the DEP Permit No. (i.e., Biosolids



INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

permit number for land application, landfill waste management permit number, etc.), Type of Material (sewage sludge, biosolids, or incinerator ash), Dry Tons Applied/Disposed at the site for the month, Type of Disposal/Use (e.g., reed beds, agricultural utilization, composting, landfill, other treatment plant, etc.) and the name of the hauler (company or individual name).

4. Type the name of the person who prepared the form, the person's job title, and sign and date the form after reading the certification statement.

NON-COMPLIANCE REPORTING FORM

Use this supplemental form to report all permit violations and any other non-compliance that may endanger health or the environment, in accordance with your permit. Complete all sections that apply. If you are reporting violations of permit limits, monitoring requirements or schedules that do not pose an immediate threat to health or the environment, you may attach this form to the Discharge Monitoring Report (DMR). If you are reporting other non-compliance events, and the deadline for a written report (e.g., 5 days) does not coincide with your submission of the DMR, this form should be submitted separately to the Department by the reporting deadline set forth in the permit.

If you are unsure of whether an incident constitutes non-compliance that may endanger health or the environment, it is recommended that you notify the Department verbally as soon as possible after you become aware of the incident. Title 25, Pa. Code §§ 91.33 and 91.34 (regarding incidents causing or threatening pollution and activities utilizing pollutants, respectively), in part requires immediate notification by telephone to the Department of pollution incidents, remediation, and may require an additional report on the incident or plan of pollution prevention measures.

Instructions:

1. Enter the name of the facility, the municipality and county where it is located, the month and year when violations occurred, and the NPDES or WQM permit number for the facility.
2. If there were violations of permit effluent limitations during the month, check the box next to "Violations of Permit Effluent Limitations." (Note – if using the electronic version of this form, check the boxes first, and then select Tools – Unprotect Document to enter additional information). Enter the date of the violation (if a violation of a minimum or maximum limit, the date of sample collection, or if a violation of an average limit, the end of the monitoring period), the parameter name, the permit limit and units, the statistical code (e.g., "MIN", "MAX", "MO AVG", etc.), the measured result and units, the cause of the violation and the corrective action taken. **If there are more than two violations during the monitoring period and/or if the space provided is insufficient to explain the cause or corrective action, please attach additional pages.**
3. If there are Sanitary Sewer Overflow (SSO) discharges or other unauthorized discharges from the facility (e.g., spills, leaks, etc.) that enter or have the potential to enter waters of the Commonwealth, including groundwater, notify DEP by phone as soon as possible, and document the discharge on this form by checking the box next to "Sanitary Sewer Overflows and Other Unauthorized Discharges." Record the event (discharge) date, the substance discharged (e.g., sewage, on-site chemicals, etc.), the location where the discharge occurred (e.g., manhole number, pump station name, equipment description, etc.), the volume discharged (gallons), the approximate duration of the discharge (hours), the receiving waters (name of stream or groundwater), the impact on the receiving waters, if observed (e.g., solids deposition, foam, fish kill, etc.), the cause of the discharge, and the date on which the Department was verbally notified. **If there are more than two discharge events during the monitoring period and/or if the space provided is insufficient to explain the discharge, please attach additional pages.**
4. If there are other violations of the permit, check the box next to "Other Permit Violations," and check the appropriate box that describes the violation type. If not identified on the form, check the box next to "Other" and provide a written explanation. **If the space provided is insufficient to explain the violation, please attach additional pages.**
5. Type your name and title and sign and date the form after reading the certification statement.



INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

Appendix A-20-b

If you have questions about completing this form, contact the Clean Water Program Operations Section of the Department in your region:

Southeast Region – (484) 250-5970
Northeast Region – (570) 826-2553
Southcentral Region – (717) 705-4707

Northcentral Region – (570) 327-0532
Southwest Region – (412) 442-4060
Northwest Region – (814) 332-6942

WHOLE EFFLUENT TOXICITY (WET) TEST SUMMARY REPORT

The Whole Effluent Toxicity (WET) Test Summary Report should be completed and submitted to the DEP regional office that issued the NPDES permit as part of the WET test report for each valid test. Submission of the complete WET Test Summary Report may be a requirement of the NPDES permit.

COVER SHEET

A separate cover sheet should be used for each species tested. Identify the NPDES permit number and the name of the facility for which WET tests were completed. Check the appropriate boxes for the Species Tested and the Test Type. Check the "Yes" box to indicate if the test is a "Re-Test" and enter the date of the original test; if the test is not a Re-Test, check the "No" box.

Sample Information

In general, three samples should be collected for chronic tests and one sample for acute tests. For each sample collected provide the following information:

- Date and time the sample was taken;
- Sample source (i.e., outfall number);
- Temperature of the sample in degrees Celsius;
- Holding time before the sample was used for a test, in hours;
- Chlorine concentration of the sample in mg/L; and
- Whether or not the sample was dechlorinated prior to use in the test (Yes/No).

Test Conditions

- Provide the date and time of test initiation and termination.
- Check the appropriate box to indicate whether the test was renewal or non-renewal. If a renewal test, provide the frequency of renewals.
- Provide the dilution series (5 dilutions, not including control) used for the test and the Target Instream Waste Concentration (TIWC). The TIWC concentration may be specified in the NPDES permit. The TIWC dilution is used to determine whether a test is considered "pass" or "failure."
- Indicate the age of the organisms, in hours, at the start of the test.
- List the number replicates of each dilution and the number of organisms in each replicate.
- Provide the source of the organisms and the feeding regimen. Feeding regimen should include type of food and frequency of feeding.
- Provide the light intensity throughout the test and the photoperiod.
- Check the appropriate box for each Yes/No each quality assurance question and attach log sheets for temperature, DO, and pH. If modifications or deviations were made to approved EPA methods, attach a sheet explaining the changes and the agency that approved such changes.

Dilution/Reagent Water

In accordance with 25 Pa. Code § 252.403(h), at least once every 30 days a laboratory must verify and document that the reagent grade water meets specific criteria for conductivity, pH and Total Residual Chlorine (TRC). Provide the following information about the dilution water used for the test:



INSTRUCTIONS FOR COMPLETING DMR SUPPLEMENTAL REPORTS

- The date of the most recent test for chemistry;
- Conductivity in $\mu\text{mhos/cm}$;
- pH in SU; and
- TRC in mg/L.

Control Results

Provide the following information about the results in the control condition:

For chronic tests:

- The mean percent survival of the organisms in each dilution.
- For Ceriodaphnia, the percent of organisms that produced 3 broods and the mean young per surviving female. For Pimephales, the mean dry weight of the survivors.

For acute tests: the mean percent survival of the organisms in each dilution.

Reference Toxicity Tests

Provide the date of the most recent reference toxicity test.

Check the appropriate box to indicate whether the same test conditions were used for the reference test as the WET test, and if the test acceptability criteria in the EPA method were met.

Tests Results

Indicate if the control was compared to the TIWC listed in the permit to determine if each test endpoint was considered a "pass" or "failure." If a dilution other than the TIWC dilution was used, check the box for "Other" and indicate the dilution (% effluent).

For the species tested, check the appropriate box(es) to indicate whether each applicable endpoint result is considered a "pass" or "failure."

NOTE – If required by the NPDES permit, DEP's WET Analysis Spreadsheet (see www.depweb.state.pa.us/wett) must be used to determine pass/failure results, and a printout of the spreadsheet results must be attached to the WET report submission to DEP.

DATA SHEET

The purpose of the Data Sheet is for laboratories accredited by DEP to conduct WET testing to provide DEP with a standardized form to report results for test replicates. If a printout of DEP's WET Analysis Spreadsheet is attached to the report, submission of the Data Sheet is optional. For each species and endpoint, six conditions (columns) are available to enter replicate data. One column should record replicate data for the control condition, and the other five columns should record replicate data for each dilution used in the test.

The tables provide up to 15 replicates per species ("Rep. No."). If the Data Sheet is completed, enter the NPDES permit number and name of the facility and complete the remainder of the form as follows:

- Check the box for the appropriate species tested; if a species other than Ceriodaphnia/Pimephales was tested, indicate the species name.
- List the number of organisms in each replicate at the start of the test.
- Indicate the method by which the pass/failure determination was made for the test by checking the box for TST (Test for Significant Toxicity), Other Hypothesis Testing (e.g., NOEC, LC50, etc.) or Other (specify the method if Other).
- In each table header, record the value of the dilution series used.
- In the survival columns of each table, list the number of organisms still alive in each replicate at the termination of the test.
- In the reproduction columns, list the number of young in each replicate at the termination of the test.



**INSTRUCTIONS FOR COMPLETING
DMR SUPPLEMENTAL REPORTS**

- In the growth columns, list the mean weight per original organism in each replicate at the termination of the test.

WQMP No. 6709402



WATER QUALITY MANAGEMENT PERMIT

<p>A. PERMITTEE (Name and Address): York City Sewer Authority 345 East Market Street York, PA 17403</p>	<p>CLIENT ID #: 77236</p>	<p>B. PROJECT/FACILITY (Name): York City Sewer Authority</p>
<p>C. LOCATION (Municipality, County): Manchester Township, York County</p>		<p>SITE ID #: 453212</p>
<p>D. This permit approves the construction/operation of sewerage facilities consisting of:</p> <ul style="list-style-type: none"> ◦ Upgrade the existing treatment plant to meet proposed nutrient limits specified in Part I NPDES permit issued on January 9, 2009. ◦ The existing A/O process will be converted to 18 mgd capacity A2O BNR process. The upgraded plant shall meet hydraulic and organic loadings at 26 mgd. 		
<p>Pump Stations: _____ Design Capacity: _____ GPM</p>	<p>Industrial Wastewater/Sewage Treatment Facility:</p> <p>Annual Average Flow: 18 MGD (AAF for BNR Process)</p> <p>Design Hydraulic Capacity: 18 MGD (MMF for BNR Process)</p> <p>Design Organic Capacity: 62,884 lbs BOD₅/day (MMOL)</p>	
<p>E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:</p> <ol style="list-style-type: none"> 1. New Permits: All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit application dated August 26, 2009, its supporting documentation, and addendums dated October 20 and 23, 2009, which are hereby made a part of this permit. 2. Permit Conditions Relating to Sewerage are attached and made part of this permit. 		
<p>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <ol style="list-style-type: none"> 1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply. 2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit. 3. This permit is issued pursuant to The Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. § 691.1 <i>et seq.</i>, and/or the Dam Safety and Encroachments Act of November 26, 1978, P.L. 1375, as amended, 32 P.S. § 693.1 <i>et seq.</i> Issuance of this permit shall not relieve the permittee of any responsibility under any other law. 		
<p>PERMIT ISSUED: NOV - 2 2009</p>	<p>BY: Lee A. McDonnell, P.E.</p> <p>TITLE: Water Management Program Manager</p>	



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

PERMIT CONDITIONS RELATING TO SEWERAGE
 Water Quality Management Permit No. 6709402

York City Sewer Authority

12. The sewers shall have adequate foundation support, as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
13. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
14. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
15. The sewerage facilities shall be properly maintained so that the facility will perform as designed.
16. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
17. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. § 1001, *et seq.* shall operate the sewage treatment plant.
18. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
19. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
20. All connections to the approved sanitary sewers must be in accordance with the corrective action plan as contained in the approved Chapter 94 Municipal Wasteload Management Annual Report.
21. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.

WQMP No. 6709402
Amendment 09-1



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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


PERMIT NO. 6709402

AMENDMENT NO. 09-1

APS ID. 276235

AUTH. ID. 804562

**WATER QUALITY MANAGEMENT
PERMIT**

<p>A. PERMITTEE (Name and Address): York City Sewer Authority 345 East Market Street York, PA 17403</p>	<p>B. PROJECT/FACILITY (Name): York City Sewer Authority</p>
<p>C. LOCATION (Municipality, County): Manchester Township, York County</p>	
<p>D. This permit approves the construction/operation of sewerage facilities consisting of:</p> <ul style="list-style-type: none"> Installation of the Ostara process to reduce nutrient levels in Centrifuge centrate. 	
<p>Pump Stations: _____ Design Capacity: _____ GPM</p>	<p>Industrial Wastewater/Sewage Treatment Facility: Annual Average Flow: Design Hydraulic Capacity: Design Organic Capacity:</p>
<p>E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:</p> <ol style="list-style-type: none"> New Permits: All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit application dated November 6, 2009 and its supporting documentation, and addendums dated January 15, 2010, which are hereby made a part of this permit. Permit Conditions Relating to Sewerage are attached and made part of this permit. 	
<p>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <ol style="list-style-type: none"> If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit. This permit is issued pursuant to The Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. § 691.1 <i>et seq.</i>, and/or the Dam Safety and Encroachments Act of November 26, 1978, P.L. 1375, as amended, 32 P.S. § 693.1 <i>et seq.</i> Issuance of this permit shall not relieve the permittee of any responsibility under any other law. 	
<p>PERMIT ISSUED: JAN 26 2010</p>	<p>BY:  Lee A. McDonnell, P.E. TITLE: Water Management Program Manager</p>



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

PERMIT CONDITIONS RELATING TO SEWERAGE
 Water Quality Management Permit No. 6709402, Amendment 09-1
 York City Sewer Authority

General

1. Consistent with the Department of Environmental Protection's (DEP) technical guidance document *Conducting Technical Reviews of Water Quality Management Permit Wastewater Treatment Facilities*, DEP ID: 362-2000-007 available on DEP's website at www.dep.state.pa.us, DEP did not conduct a detailed technical review of this application. DEP considers Michael W. Myers, the registered Professional Engineer whose seal is affixed to the design documents, to be fully responsible for the adequacy of all aspects of the facility design.
2. The approval is specifically made contingent on 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 in, along, or across private property with full rights of ingress, egress and regress.
3. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
4. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
5. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
6. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to, or over any lands which belong to the Commonwealth.
7. The authority granted by this permit is subject to all effluent requirements, monitoring requirements, and other conditions as set forth in NPDES Permit No. **PA 0026263** and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

Construction

8. The facilities shall be constructed under the supervision of a Pennsylvania registered Professional Engineer in accordance with the approved reports, plans, and specifications. If deviations from approved plans are anticipated during construction, DEP shall be notified verbally or in writing for a determination on whether a formal amendment of this permit will be required prior to constructing the modified facilities. Minor changes not affecting capacities, flows, operations, or sewer system alignments may be permitted without a formal amendment to this permit. "As-built drawings" shall be filed with DEP at the completion of the work.
9. A Pennsylvania registered Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the Part II application and design plans submitted to DEP, using the enclosed "Sewage and Industrial Wastewater Facilities Construction Certification." It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The facilities may not be placed into operation until the Professional Engineer completes the certification. The certification must be submitted to DEP within 30 days following startup of the facilities, along with as-built drawings, photographs (if available), and a description of any DEP-approved deviations from the application and design plans.

Operation and Maintenance

10. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (FBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the FBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.
11. The permittee shall maintain facility operation and maintenance (O&M) manuals at the facility and ensure proper O&M of the permitted facility. The permittee shall file the O&M manuals with DEP upon request.



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

PERMIT CONDITIONS RELATING TO SEWERAGE
Water Quality Management Permit No. 6709402, Amendment 09-1
York City Sewer Authority

12. The sewers shall have adequate foundation support, as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
13. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
14. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
15. The sewerage facilities shall be properly maintained so that the facility will perform as designed.
16. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
17. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. § 1001, *et seq.* shall operate the sewage treatment plant.
18. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
19. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
20. All connections to the approved sanitary sewers must be in accordance with the corrective action plan as contained in the approved Chapter 94 Municipal Wasteload Management Annual Report.
21. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHCENTRAL REGIONAL OFFICE
WATER MANAGEMENT PROGRAM
909 ELMERTON AVENUE
HARRISBURG, PA 17110-8200

**SEWAGE AND INDUSTRIAL WASTEWATER FACILITIES
CONSTRUCTION CERTIFICATION**

Permittee: York City Sewer Authority

Address: 345 East Market Street, York, PA 17403

Municipality: Manchester Township

County: York

We hereby certify that the installation of Ostara process approved under Part II Permit No. 6709402, Amendment 09-1, Auth. ID No. 276235, has been inspected and constructed in accordance with the plans and specifications approved by the Department.

THE FOLLOWING INFORMATION MUST BE COMPLETED AND RETURNED TO THE PERMITS SECTION AT THE ABOVE ADDRESS WITHIN 30 DAYS OF COMPLETION OF THE PROJECT, ALONG WITH AS-BUILT DRAWINGS, PHOTOGRAPHS (IF AVAILABLE), AND A DISCUSSION OF ANY DEVIATIONS FROM THE DESIGN PLANS DURING CONSTRUCTION.

Construction Completion Date (MM/DD/YYYY): _____

Engineer's
Seal

Supervising Professional Engineer:

Name: _____
(Please Print or Type)

Signature: _____

Date: _____

Title: _____

Firm or Agency: _____

Telephone: _____

Permittee's Authorized Representative:

Name: _____
(Please Print or Type)

Signature: _____

Title: _____

Telephone: _____

Principal Operator Information (For Sewage Facilities):

Name: _____
(Please Print or Type)

Certification Number (if applicable): _____

Class: _____

Type: _____

WQMP No. 6709402
Amendment 4



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION

Appendix A-20-b

OCT 24 2019

CERTIFIED MAIL NO. 9171 9690 0935 0215 9144 41

James Gross
York City Sewer Authority
345 E Market Street
York, PA 17403-5614

Re: WQM Permit – Sewage 3G
York City STP
Permit No. 6709402 A-4
Authorization ID No. 1264445
York City, York County

Dear Mr. Gross:

Your Water Quality Management (WQM) permit amendment is enclosed. You must comply with all Standard Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Enclosed is the "Water Quality Management Post Construction Certification" form. A Pennsylvania-registered Professional Engineer must sign and complete this form prior to startup of the facilities. You or your authorized representative must also sign the form. This certification and other post-construction documentation must be submitted to DEP within 30 days of completion of the project and must be received by DEP prior to commencing operation of the facilities.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board's address is:

Environmental Hearing Board
Rachel Carson State Office Building, Second Floor
400 Market Street
P.O. Box 8457
Harrisburg, PA 17105-8457

Mr. James Gross

- 2 -

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

A Notice of Appeal form and the Board's rules of practice and procedure may be obtained online at <http://ehb.courtapps.com> or by contacting the Secretary to the Board at 717-787-3483. The Notice of Appeal form and the Board's rules are also available in braille and on audiotape from the Secretary to the Board.

IMPORTANT LEGAL RIGHTS ARE AT STAKE. 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 AT 717-787-3483 FOR MORE INFORMATION. YOU DO NOT NEED A LAWYER TO FILE A NOTICE OF APPEAL WITH THE BOARD.

IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.

During construction or upon completing construction, please contact Aaron Baar at 717.705.4791 or abaar@pa.gov so that an inspection of the facilities may be conducted, at DEP's discretion.

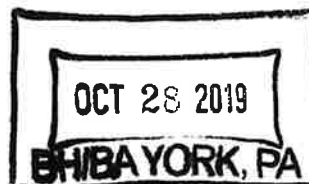
Sincerely,



Maria D. Bebenek, P.E.
Environmental Program Manager
Clean Water Program

Enclosures

cc: ✓ Buchart Horn, Inc.



3850-PM-BCW0015d 3/2016
Permit



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

**WATER QUALITY MANAGEMENT
PERMIT**

Appendix A-20-b
PERMIT NO. 6709402

AMENDMENT NO. 4

APS ID. 988140

AUTH. ID. 1264445

A. PERMITTEE (Name and Address): York City Sewer Authority 345 E Market Street York, PA 17403-5614		CLIENT ID#: 140434	B. PROJECT/FACILITY (Name): York City STP	
C. LOCATION (Municipality, County): York City, York County			SITE ID#: 453212	
D. This amendment approves the modification of sewage facilities consisting of: The replacement of the existing shallow bed sand filters with OptiFiber PA2-13 cloth media filters. Four 70' long filters will be installed, each of which will contain 8 filter units. One backwash pump will be provided that will operate at 400 gpm at 85 ft. of TDH.				
Pump Stations: <u>N/A</u> Design Capacity: <u>N/A</u> GPM	Manure Storage: Volume: <u>N/A</u> MG Freeboard: <u>N/A</u> inches	Sewage Treatment Facility: Annual Average Flow: <u>18.0</u> MGD Design Hydraulic Capacity: <u>18.0</u> MGD Design Organic Capacity: <u>62,884</u> lb/day		
F APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:				
1. Amendments: All construction, operations and procedures shall be in accordance with the Water Quality Management Permit Amendment application dated <u>February 21, 2019</u> and its supporting documentation and addendums dated <u>August 21, 2019</u> , which are hereby made a part of this amendment. Except for any herein approved modifications, all terms, conditions, supporting documentation and addendums approved under Water Quality Management Permit No. <u>6709402</u> dated <u>November 2, 2009</u> and <u>January 26, 2010</u> shall remain in effect.				
2. Permit Conditions Relating to Sewerage are attached and made part of this permit.				
F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:				
1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply.				
2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit.				
3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 et seq. Issuance of this permit shall not relieve the permittee of any responsibility under any other law.				
PERMIT ISSUED: <u>OCT 24 2019</u>		BY: <u>Maria D. Bebenek</u> Maria D. Bebenek, P.E. Clean Water Program Manager Southcentral Regional Office		
		TITLE:		



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

PERMIT CONDITIONS RELATING TO SEWERAGE
For use in Water Quality Management Permits

(Check boxes that apply)

General

- 1. The Department of Environmental Protection (DEP) considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 4. The approval is specifically made contingent on 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 in, along or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 2 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the second anniversary of the permit date.
- 7. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 8. If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- 9. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 10. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- 11. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in the NPDES Permit and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

Construction

- 12. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.

- 13. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications.
- 14. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using the "Post Construction Certification" form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- 15. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 16. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

Operation and Maintenance

- 17. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 18. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 19. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 20. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 21. The sewerage facilities shall be properly operated and maintained to perform as designed.
- 22. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 23. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- 24. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 25. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 26. All connections to the approved sanitary sewers must be in accordance with the official Act 537 Plan and, if applicable, a corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- 27. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.

3800-PM-WSFR0179a 9/2005
Post Construction Certification



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

**WATER QUALITY MANAGEMENT
POST CONSTRUCTION CERTIFICATION**

PERMITTEE IDENTIFIER

Permittee	York City Sewer Authority
Municipality	York City
County	York
WQM Permit No.	<u>6709402</u>
Facility Type	Sewage

All of the above information should be taken directly from the Water Quality Management Permit.

CERTIFICATION

This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.

I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.

Construction Completion Date (MM/DD/YYYY): _____

	Professional Engineer
	Name _____ (Please Print or Type)
	Signature _____
	Date _____
	License Expiration Date _____
	Firm or Agency _____
	Telephone _____
	Permittee or Authorized Representative
	Name _____ (Please Print or Type)
	Signature _____
	Title _____
	Telephone _____

WQMP No. 6796408



Pennsylvania Department of Environmental Protection
WATER MANAGEMENT PERMIT

PERMIT NO. 6796408
 AMENDMENT NO. _____

A. Permittee (Name and Address) York City Sewer Authority 17 East Market Street York, PA 17401	B. Project: Name <u>Pennsylvania Avenue Interceptor Upgrade</u> Municipality <u>York City</u> County <u>York</u>
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C. This: Permit Permit Amendment Impoundment Closure

Approves: The construction/operation of:

<input type="checkbox"/> Sewage Treatment Facilities	<input type="checkbox"/> Industrial Waste Treatment Facilities
<input type="checkbox"/> Land Application Facilities	<input type="checkbox"/> Other: _____
<input checked="" type="checkbox"/> Sewers and Appurtenances	<input type="checkbox"/> Pump/Stations
<input type="checkbox"/> Impoundment(s) and Liner System	<input type="checkbox"/> Injection Well(s)
<input type="checkbox"/> Stream Crossing(s)	<input type="checkbox"/> Outfall & Headwall(s)
<input type="checkbox"/> Soil Erosion & Sedimentation Control Plan	<input type="checkbox"/> Groundwater Monitoring Well(s)

Modifications to the construction/operation of:

Brief description of permitted activity: Upgrade 8-inch and 12-inch diameter mains to 18-inch diameter mains to eliminate flow restrictions.

D. This approval is subject to the following conditions:

- All construction, operations, and procedures shall be in accordance with the application dated June 25, 1996, its supporting documentation, and addenda dated September 5, 1996 and September 16, 1996. Such application, its supporting documentation and/or addenda are hereby made part of this permit.
- Special Conditions numbered 1 through 14 are attached and made part of this permit.

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

- If there is a conflict between the application or its supporting documents and/or addenda and the Standard or Special Conditions, the Standard or Special Conditions shall apply.
- Failure to comply with the Rules and Regulations of the Department or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of the permit.
- This permit is issued pursuant to The Clean Streams Law, Act of June 22, 1937, P.L. 1987 as amended 35 P.S. §691.1et seq. and/or the Dam Safety and Encroachments Act of November 26, 1978, P.L. 1375, as amended, 32 P.S. §693.1et seq. Issuance of the permit shall not relieve the permittee of any responsibility under any other law.

Permit Issued: <u>SEP 26 1996</u> Permit Amended: _____	By: Leon M. Oberdick Program Manager Southcentral Regional Office
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WATER MANAGEMENT PERMIT
York City Sewer Authority
PART II NO. 6796408

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York City
York County

SPECIAL CONDITIONS:

1. During construction, no changes affecting any engineering design parameter shall be made from the plans, designs, and other data herein approved unless the permittee shall first receive written approval thereof from the Department. The sewerage facilities shall be constructed under expert engineering supervision and competent inspection.
2. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be backfilled such that the sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from injury by water, freezing, drying or other harmful conditions until cured.
3. Manhole inverts shall be so formed as to facilitate the flow of the sewage and to prevent the stranding of sewage solids, and the whole manhole structure shall have proper structural strength and be so constructed as to prevent undue infiltration, entrance of the street wash or grit, and to provide convenient and safe means of access and maintenance.
4. No stormwater from pavements, area ways, roofs, foundation drains or other sources shall be admitted to the sanitary sewers herein approved.
5. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and on-lot sewage disposal systems on the premises of occupied structures which are accessible to public sewers and require the connection of such structures to the public sewers.
6. The herein approved sewers shall be maintained in good condition, kept free from deposits by flushing or other proper means of cleaning, and repaired when necessary.
7. The permittee shall file with the Department "as-built" plans showing the correct plan of all sewers and sewerage structures as actually constructed, together with any other related information that may be required.
8. 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 in, along, or across private property, with full rights of ingress, egress and regress.
9. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper portions with air, and to the highly toxic character of certain gases arising from such digestion or from sewage in insufficiently ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion, or danger from toxic gases may occur, the permittee shall post conspicuously proper warnings of a permanent and legible character and shall provide for the thorough instruction of all employees concerning these hazards and in first aid and emergency methods of meeting such hazards and shall further provide, in a conveniently accessible place, all necessary equipment and material.

WATER MANAGEMENT PERMIT
York City Sewer Authority
PART II NO. 6796408

PAGE 3

York City
York County

10. Cross connections between the potable water supply and the sewerage system constitute a potential danger to the public health. Therefore, all direct and indirect connections whereby under normal or abnormal conditions the potable water supply may become contaminated from an inferior water supply from any unit of the sewage treatment works, or by any appurtenance thereof, or from any part of a sewerage system are hereby specifically prohibited. The permittee is further warned against permitting to be made permanent any temporary connection with a potable supply designed to be held in place while being used for flushing or other purposes, and is also cautioned against the danger of back siphonage through portable hose lines and similar avenues of possible contamination.
11. The permittee shall construct the sewerage facilities in a manner compatible with good conservation methods in order to minimize the adverse effect on the environment.
12. All industrial waste discharged or proposed for discharge into the sewer system shall be studied to determine the degree of pretreatment necessary in order that the industrial waste will not adversely affect the sewerage facilities or the sewage treatment process. The permittee shall properly control any industrial waste discharge into its sewerage system by regulating the rate of such discharge, requiring necessary pretreatment, and excluding industrial waste, if necessary, to protect the integrity of the permittee's sewerage system.
13. Receipt of this permit does not relieve the permittee of its obligations to comply with all federal, interstate, state, or local laws, ordinances, and regulations applicable to the sewerage facilities authorized herein.
14. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, title easement, or interest in, on, to, or over any lands belonging to the Commonwealth.

WQMP No. 6717409



1/18/18

CERTIFIED MAIL NO. 9171 9690 0935 0134 1270 21

James Gross
York City Sewer Authority
345 E Market Street
York, PA 17403-5614

Re: WQM Permit – Sewage 3G
York City STP
Permit No. 6717409
Authorization ID No. 1210125
APS ID No. 335924
York City, York County

Dear Mr. Gross:

Your Water Quality Management (WQM) permit is enclosed. You must comply with all Standard Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Enclosed is the "Water Quality Management Post Construction Certification" form. A Pennsylvania-registered Professional Engineer must sign and complete this form prior to startup of the facilities. You or your authorized representative must also sign the form. This certification and other post-construction documentation must be submitted to DEP within 30 days of completion of the project and must be received by DEP prior to commencing operation of the facilities.

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, P.O. 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

Mr. James Gross

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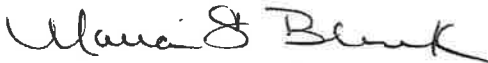
appeal form and the Board's rules of practice and procedure are also available in braille or on audiotape from the Secretary to the Board at 717.787.3483. This paragraph does not, in and of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

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.

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.

During construction or upon completing construction, please contact Aaron Baar at 717.705.4791 or abaar@pa.gov so that an inspection of the facilities may be conducted, at DEP's discretion.

Sincerely,



Maria D. Bebenek, P.E.
Environmental Program Manager
Clean Water Program

Enclosures

cc: Buchart Horn, Inc.



WATER QUALITY MANAGEMENT PERMIT

<p>A. PERMITTEE (Name and Address): CLIENT ID#: 140434 York City Sewer Authority 345 E Market Street York, PA 17403-5614</p>	<p>B. PROJECT/FACILITY (Name): Manchester Interceptor</p>	
<p>C. LOCATION (Municipality, County): SITE ID#: 453212 York City, York County</p>		
<p>D. This permit approves the modification of sewage facilities consisting of:</p> <p style="margin-left: 40px;">The replacement of the existing interceptor between MH 8 and the headworks of the York STP with new, realigned 36" pipe.</p>		
<p>Pump Stations: <u>N/A</u> Design Capacity: <u>N/A</u> GPM</p>	<p>Manure Storage: Volume: <u>N/A</u> MG Freeboard: <u>N/A</u> inches</p>	<p>Sewage Treatment Facility: Annual Average Flow: <u>N/A</u> MGD Design Hydraulic Capacity: <u>N/A</u> MGD Design Organic Capacity: <u>N/A</u> lb/day</p>
<p>E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:</p> <ol style="list-style-type: none"> 1. New Permits: All construction, operations and procedures shall be in accordance with the Water Quality Management Permit application dated <u>October 3, 2017</u>, its supporting documentation and addendums dated <u>October 3, 2017</u>, which are hereby made a part of this permit. 2. Permit Conditions Relating to Sewerage are attached and made part of this permit. 		
<p>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <ol style="list-style-type: none"> 1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply. 2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit. 3. This permit is issued pursuant to the Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. §691.1 et seq. Issuance of this permit shall not relieve the permittee of any responsibility under any other law. 		
<p>PERMIT ISSUED: JAN 18 2018</p>	<p>BY: <u>Maria D. Bebenek</u> Maria D. Bebenek, P.E. TITLE: <u>Clean Water Program Manager</u> South Central Regional Office</p>	



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

PERMIT CONDITIONS RELATING TO SEWERAGE

For use in Water Quality Management Permits

(Check boxes that apply)

General

- 1. The Department of Environmental Protection (DEP) considers the licensed Professional Engineer whose seal is affixed to the design documents to be fully responsible for the adequacy of all aspects of the facility design.
- 2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and onlot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
- 3. The outfall sewer or drain shall be extended to the low water mark of the receiving body of water. Where necessary to ensure proper mixing and waste assimilation, an outfall sewer or drain may be extended with appurtenances below the low water mark and into the bed of a navigable stream provided that the permittee has secured an easement, right-of-way, license or lease from DEP in accordance with Section 15 of the Dam Safety and Encroachments Act, the Act of November 26, 1978, P.L. 1375, as amended.
- 4. The approval is specifically made contingent on 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 in, along or across private property with full rights of ingress, egress and regress.
- 5. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
- 6. The approval of the plans, and the authority granted in this permit, if not specifically extended, shall cease and be null and void 2 years from the issuance date of this permit unless construction or modification of the facilities covered by this permit has begun on or before the second anniversary of the permit date.
- 7. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
- 8. If, after the issuance of this permit, DEP approves a municipal sewage facilities official plan or an amendment to an official plan under Act 537 (Pennsylvania Sewage Facilities Act, the Act of January 24, 1966, P.L. 1535 as amended) in which sewage from the herein approved facilities will be treated and disposed of at other planned facilities, the permittee shall, upon notification from the municipality or DEP, provide for the conveyance of its sewage to the planned facilities, abandon use and decommission the herein approved facilities including the proper disposal of solids, and notify DEP accordingly. The permittee shall adhere to schedules in the approved official plan, amendments to the plan, or other agreements between the permittee and municipality. This permit shall then, upon notice from DEP, terminate and become null and void and shall be relinquished to DEP.
- 9. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
- 10. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to or over any lands which belong to the Commonwealth.
- 11. The authority granted by this permit is subject to all effluent requirements, monitoring requirements and other conditions as set forth in NPDES Permit No. **PA0026263** and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.

Construction

- 12. This permit is issued under the authorization of The Clean Streams Law and 25 Pa. Code Chapter 91. The permittee shall obtain all necessary permits, approvals and/or registrations under 25 Pa. Code Chapters 102, 105 and 106 prior to commencing construction of the facilities authorized by this permit, as applicable. The permittee should contact the DEP office that issued this permit if there are any questions concerning the applicability of additional permits.

- 13. The facilities shall be constructed under the supervision of a Pennsylvania licensed Professional Engineer in accordance with the approved reports, plans and specifications.
- 14. A Pennsylvania licensed Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the application and design plans submitted to DEP, using "Post Construction Certification" form (3800-PM-WSFR0179a). It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The certification must be submitted to DEP before the facility is placed in operation. As-built drawings, photographs (if available) and a description of all deviations from the application and design plans must be submitted to DEP within 30 days of certification.
- 15. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.
- 16. The local Waterways Conservation Officer of the Pennsylvania Fish and Boat Commission (PFBC) shall be notified when the construction of any stream crossing and/or outfall is started and completed. A written permit must be secured from the PFBC if the use of explosives in any waterways is required and the permittee shall notify the local Waterways Conservation Officer when explosives are to be used.

Operation and Maintenance

- 17. The permittee shall maintain records of "as-built" plans showing all the treatment facilities as actually constructed together with facility operation and maintenance (O&M) manuals and any other relevant information that may be required. Upon request, the "as-built" plans and O&M manuals shall be filed with DEP.
- 18. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.
- 19. Stormwater from roofs, foundation drains, basement drains or other sources shall not be admitted directly to the sanitary sewers.
- 20. The approved sewers shall be maintained in good condition, kept free of deposits by flushing or other cleaning methods and repaired when necessary.
- 21. The sewerage facilities shall be properly operated and maintained to perform as designed.
- 22. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
- 23. An operator certified in accordance with the Water and Wastewater Systems Operator Certification Act of February 21, 2002, 63 P.S. §§1001, *et seq.* shall operate the sewage treatment plant.
- 24. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
- 25. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
- 26. All connections to the approved sanitary sewers must be in accordance with the official Act 537 Plan and, if applicable, a corrective action plan as contained in the approved Title 25 Pa. Code Chapter 94 Municipal Wasteload Management Annual Report.
- 27. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with Title 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.

3800-PM-WSFR0179a 9/2005
Post Construction Certification



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

**WATER QUALITY MANAGEMENT
POST CONSTRUCTION CERTIFICATION**

PERMITTEE IDENTIFIER	
Permittee	York City Sewer Authority
Municipality	York City
County	York
WQM Permit No.	6717409
Facility Type	Sewage
All of the above information should be taken directly from the Water Quality Management Permit.	
CERTIFICATION	
<p>This certification must be completed and returned to the permits section of the DEP's regional office issuing the WQM permit within 30 days of completion of the project and received by DEP prior to operation, and if requested, as-built drawings, photographs (if available) and a discussion of any DEP-approved deviations from the design plans during construction.</p>	
<p>I, being a Registered Professional Engineer in Pennsylvania, do hereby certify to the best of my knowledge and belief, based upon personal observation and interviews, that the above facility approved under the Water Quality Management Permit has been constructed in accordance with the plans, specifications and modifications approved by DEP.</p>	
Construction Completion Date (MM/DD/YYYY): _____	
	Professional Engineer
	Name _____ (Please Print or Type)
	Signature _____
	Date _____
	License Expiration Date _____
	Firm or Agency _____
	Telephone _____
	Permittee or Authorized Representative
	Name _____ (Please Print or Type)
	Signature _____
	Title _____
	Telephone _____

WQMP No. 6708401



PERMIT NO. 6708401

AMENDMENT NO. _____

APS ID. 335924

AUTH. ID. 707120

WATER QUALITY MANAGEMENT PERMIT

<p>A. PERMITTEE (Name and Address): York City Sewer Authority 345 East Market Street York, PA 17403</p>	<p>B. PROJECT/FACILITY (Name): Gravity Belt Thickener Installation</p>
<p>C. LOCATION (Municipality, County): Manchester Township, York County</p>	
<p>D. This permit approves the construction of sewerage facilities consisting of:</p> <ul style="list-style-type: none"> ° A gravity belt thickener solids handling system. 	
<p>Pump Stations: _____ Design Capacity: _____ GPM</p>	<p>Industrial Wastewater/Sewage Treatment Facility: Annual Average Flow: _____ MGD Design Hydraulic Capacity: _____ MGD Design Organic Capacity: _____ lb. BOD₅/day</p>
<p>E. APPROVAL GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING:</p> <ol style="list-style-type: none"> 1. New Permits: All construction, operations, and procedures shall be in accordance with the Water Quality Management Permit application dated December 19, 2007 and its supporting documentation, which are hereby made a part of this permit. 2. Permit Conditions Relating to Sewerage are attached and made part of this permit. 	
<p>F. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:</p> <ol style="list-style-type: none"> 1. If there is a conflict between the application or its supporting documents and amendments and the attached conditions, the attached conditions shall apply. 2. Failure to comply with the rules and regulations of DEP or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of this permit. 3. This permit is issued pursuant to The Clean Streams Law Act of June 22, 1937, P.L. 1987, as amended 35 P.S. § 691.1 <i>et seq.</i>, and/or the Dam Safety and Encroachments Act of November 26, 1978, P.L. 1375, as amended, 32 P.S. § 693.1 <i>et seq.</i> Issuance of this permit shall not relieve the permittee of any responsibility under any other law. 	
<p>PERMIT ISSUED: _____</p>	<p>BY: _____ Lee A. McDonnell, P.E. TITLE: Water Management Program Manager</p>



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

PERMIT CONDITIONS RELATING TO SEWERAGE
Water Quality Management Permit No. 6708401
York City Sewer Authority

General

1. Consistent with the Department of Environmental Protection's (DEP) technical guidance document *Conducting Technical Reviews of Water Quality Management Permit Wastewater Treatment Facilities*, DEP ID: 362-2000-007 available on DEP's website at www.dep.state.pa.us, DEP did not conduct a detailed technical review of this application. DEP considers Lawrence A. Lutter, the registered Professional Engineer whose seal is affixed to the design documents, to be fully responsible for the adequacy of all aspects of the facility design.
2. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools or similar receptacles for human waste and on-lot sewage disposal systems on the premises of occupied structures accessible to public sewers. All such structures must be connected to the public sewers.
3. The approval is specifically made contingent on 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 in, along, or across private property with full rights of ingress, egress and regress.
4. When construction of the approved sewerage facilities is completed and before they are placed in operation, the permittee shall notify DEP in writing so that a DEP representative may inspect the facilities.
5. If, at any time, the sewerage facilities covered by this permit create a public nuisance, including but not limited to, causing malodors or causing environmental harm to waters of the Commonwealth, DEP may require the permittee to adopt appropriate remedial measures to abate the nuisance or harm.
6. This permit does not relieve the permittee of its obligations to comply with all federal, interstate, state or local laws, ordinances and regulations applicable to the sewerage facilities.
7. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, easement or interest in, on, to, or over any lands which belong to the Commonwealth.

Construction

8. The facilities shall be constructed under the supervision of a Pennsylvania registered Professional Engineer in accordance with the approved reports, plans, and specifications. If deviations from approved plans are anticipated during construction, DEP shall be notified verbally or in writing for a determination on whether a formal amendment of this permit will be required prior to constructing the modified facilities. Minor changes not affecting capacities, flows, operations, or sewer system alignments may be permitted without a formal amendment to this permit. "As-built drawings" shall be filed with DEP at the completion of the work.
9. A Pennsylvania registered Professional Engineer shall certify that construction of the permitted facilities was completed in accordance with the Part II application and design plans submitted to DEP, using the enclosed "Sewage and Industrial Wastewater Facilities Construction Certification." It is the permittee's responsibility to ensure that a Professional Engineer is on-site to provide the necessary oversight and/or inspections to certify the facilities. The facilities may not be placed into operation until the Professional Engineer completes the certification. The certification must be submitted to DEP within 30 days following startup of the facilities, along with as-built drawings, photographs (if available), and a description of any DEP-approved deviations from the application and design plans.
10. Manhole inverts shall be formed to facilitate the flow of the sewage and to prevent the stranding of sewage solids. The whole manhole structure shall be built to prevent undue infiltration, entrance of street wash or grit and provide safe access to facilitate manhole maintenance activities.

Operation and Maintenance

11. The sewers shall have adequate foundation support, as soil conditions require. Trenches shall be back-filled to ensure that sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from damage by water, freezing, drying or other harmful conditions until cured.



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

PERMIT CONDITIONS RELATING TO SEWERAGE

Water Quality Management Permit No. 6708401

York City Sewer Authority

12. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper proportions with air and to the highly toxic character of certain gases arising from such digestion or from sewage in poorly ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion or danger from toxic gases may occur, the permittee shall post conspicuous permanent and legible warnings. The permittee shall instruct all employees concerning the aforesaid hazards, first aid and emergency methods of meeting such hazards and shall make all necessary equipment and material accessible.
13. The permittee shall properly control any industrial waste discharged into its sewerage system by regulating the rate and quality of such discharge, requiring necessary pretreatment and excluding industrial waste, if necessary, to protect the integrity or operation of the permittee's sewerage system.
14. There shall be no physical connection between a public water supply system and a sewer or appurtenance to it which would permit the passage of any sewage or polluted water into the potable water supply. No water pipe shall pass through or come in contact with any part of a sewer manhole.
15. Collected screenings, slurries, sludge and other solids shall be handled and disposed of in compliance with 25 Pa. Code Chapters 271, 273, 275, 283 and 285 (related to permits and requirements for land filling, land application, incineration and storage of sewage sludge), Federal Regulations 40 CFR 257 and the Federal Clean Water Act and its amendments.

WQMP No. 6785418
Amendment 02-1



Pennsylvania Department of Environmental Protection
WATER MANAGEMENT PERMIT

PERMIT NO. 6785418
 AMENDMENT NO. 02-1

<p>A. Permittee (Name and Address)</p> <p>York City Sewer Authority c/o Blakey, Yost, Bupp & Rausch 17 East Market Street York, PA 17401</p>	<p>B. Project:</p> <p>Name <u>York City WWTP Train 2 Disinfection System</u></p> <p>Municipality <u>Manchester Township</u></p> <p>County <u>York</u></p>														
<p>C. This: <input type="checkbox"/> Permit <input checked="" type="checkbox"/> Permit Amendment <input type="checkbox"/> Impoundment Closure</p> <p>Approves: <input type="checkbox"/> The construction/operation of: <input checked="" type="checkbox"/> Modifications to the construction/operation of:</p> <table border="0"> <tr> <td><input checked="" type="checkbox"/> Sewage Treatment Facilities</td> <td><input type="checkbox"/> Industrial Waste Treatment Facilities</td> </tr> <tr> <td> Annual Hydraulic Capacity <u>26.0</u> MGD</td> <td> Other: _____</td> </tr> <tr> <td> Mo. Max Hydraulic Capacity <u>26.0</u> MGD</td> <td> Pump Station(s)</td> </tr> <tr> <td> Organic Capacity <u>62.884</u> #BOD/day</td> <td> Hydraulic Capacity _____ GPM</td> </tr> <tr> <td><input type="checkbox"/> Land Application Facilities</td> <td> Injection Well(s)</td> </tr> <tr> <td><input type="checkbox"/> Sewers and Appurtenances</td> <td> Groundwater Monitoring Well(s)</td> </tr> <tr> <td><input type="checkbox"/> Impoundment(s) and Liner System</td> <td></td> </tr> </table> <p>Brief description of permitted activity: Installation of a new sodium hypochlorite disinfection system for treating possible overflows from Train 2 clarifiers, including two 750-gallon storage tanks, two chemical feed pumps, and a meter vault where a new flow meter will be installed to control hypochlorite feed rate.</p>		<input checked="" type="checkbox"/> Sewage Treatment Facilities	<input type="checkbox"/> Industrial Waste Treatment Facilities	Annual Hydraulic Capacity <u>26.0</u> MGD	Other: _____	Mo. Max Hydraulic Capacity <u>26.0</u> MGD	Pump Station(s)	Organic Capacity <u>62.884</u> #BOD/day	Hydraulic Capacity _____ GPM	<input type="checkbox"/> Land Application Facilities	Injection Well(s)	<input type="checkbox"/> Sewers and Appurtenances	Groundwater Monitoring Well(s)	<input type="checkbox"/> Impoundment(s) and Liner System	
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<input type="checkbox"/> Impoundment(s) and Liner System															
<p>D. This approval is subject to the following conditions:</p> <ol style="list-style-type: none"> All construction, operations, and procedures shall be in accordance with the application dated March 6, 2002 and its supporting documentation. The application and its supporting documentation are hereby made part of this permit. Special Conditions A through I are attached and made a part of this permit. 															
<p>E. The authority granted by the permit is subject to the following further qualifications:</p> <ol style="list-style-type: none"> If there is a conflict between the application or its supporting documents and addenda and the Standard or Special Conditions, the Standard or Special Conditions shall apply. Failure to comply with the rules and regulations of the Department or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of the permit. This permit is issued pursuant to The Clean Streams Law, Act of June 22, 1937, P.L. 1987 as amended 35 P.S. §691.1 et seq. Issuance of the permit shall not relieve the permittee of any responsibility under any other law. 															
<p>Permit Issued: <u>August 26, 1986</u></p> <p>Permit Amended: <u>February 2, 2000</u></p> <p>Permit Amended: <u>APR 30 2002</u></p>	<p>By: <u>Leon M. Oberdick</u></p> <p>Leon M. Oberdick Program Manager Southcentral Regional Office</p>														

WATER MANAGEMENT PERMIT
York City Sewer Authority
Part II No. 6785418 (02-1)

PAGE 2

Manchester Township
York County

SPECIAL CONDITIONS:

- A. The authority granted by this permit is subject to all effluent requirements, monitoring requirements, and other conditions as set forth in Parts A, B and C of the NPDES Permit No. PA 0026263 and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.
- B. Disclaimer
- Consistent with the Department of Environmental Protection's Application Review Policy for Water Management (Part II) Permits, the Department did not conduct a detailed technical review of this application. The Department considers Mark S. Snyder, the registered professional engineer whose seal is affixed to the design documents, to be fully responsible for the adequacy of all aspects of the facility design.
- C. During construction, no changes affecting any engineering design parameter shall be made from the plans, designs, and other data herein approved unless the permittee shall first receive written approval thereof from the Department. The sewerage facilities shall be constructed under expert engineering supervision and competent inspection.
- D. When the herein approved sewage treatment works is completed and before it is placed in operation, the permittee shall notify the Department in writing so that an inspection of the works may be made by a representative of the Department.
- E. The various structures and apparatus of the herein approved sewage treatment works shall be maintained in proper condition so that the facility will individually and collectively perform the functions for which they were designed.
- F. If, in the opinion of the Department, these works are not so operated or if by reason of change in the character of wastes or increased load upon the works, or changed use or condition of the receiving body of water, or otherwise the effluent from the said works ceases to be satisfactory or the sewerage facilities shall have created a public nuisance, then upon notice by the Department, the right herein granted shall cease and become null and void unless within the time specified by the Department, the permittee shall adopt such remedial measures as will produce an effluent which, in the opinion of the Department, will be satisfactory.
- G. The permittee shall construct the sewerage facilities in a manner compatible with good conservation methods in order to minimize the adverse effect on the environment.
- H. Receipt of this permit does not relieve the permittee of its obligations to comply with all federal, interstate, state, or local laws, ordinances, and regulations applicable to the construction and operation of the sewerage facilities authorized herein. If the project involves earth moving activities, an erosion and sedimentation control plan must be prepared and implemented. Contact the county conservation district for specific requirements for your project.
- I. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, title easement, or interest in, on, to, or over any lands belonging to the Commonwealth.

WQMP No. 6785418
Amendment 99-1



Pennsylvania Department of Environmental Protection
WATER MANAGEMENT PERMIT

FILE COPY

PERMIT NO. 6785418
 AMENDMENT NO. 99-1

<p>A. Permittee (Name and Address) York City Sewer Authority 17 East Market Street York, PA 17401</p>	<p>B. Project: Name <u>York City Wastewater Treatment Plant</u> Municipality <u>Manchester Township</u> County <u>York</u></p>		
<p>C. This: <input type="checkbox"/> Permit <input checked="" type="checkbox"/> Permit Amendment <input type="checkbox"/> Impoundment Closure</p> <p>Approves: <input checked="" type="checkbox"/> The construction/operation of: <input type="checkbox"/> Modifications to the construction/operation of:</p> <table style="width:100%;"> <tr> <td style="width:50%; vertical-align: top;"> <input checked="" type="checkbox"/> Sewage Treatment Facilities Annual Hydraulic Capacity <u>26</u> MGD Mo. Max Hydraulic Capacity <u>26</u> MGD Organic Capacity <u>62,883</u> #BOD/day <input type="checkbox"/> Land Application Facilities <input type="checkbox"/> Sewers and Appurtenances <input type="checkbox"/> Impoundment(s) and Liner System </td> <td style="width:50%; vertical-align: top;"> <input type="checkbox"/> Industrial Waste Treatment Facilities <input type="checkbox"/> Other: _____ <input type="checkbox"/> Pump Station(s) Hydraulic Capacity _____ GPM <input type="checkbox"/> Injection Well(s) <input type="checkbox"/> Groundwater Monitoring Well(s) </td> </tr> </table> <p>Brief description of permitted activity: Increasing the peak instantaneous pumping capacity of Train 3 from 28 MGD to 36.5 MGD by increasing the capacity of the raw sewage pumps by replacing the impellers, motors, and variable frequency drivers (VFDs) and installing a new force main. Capacity will also be increased on the primary effluent pumps by installing larger impellers. The ultraviolet (UV) disinfection system's capacity will be increased by replacing low intensity UV system with a low pressure high intensity system.</p>		<input checked="" type="checkbox"/> Sewage Treatment Facilities Annual Hydraulic Capacity <u>26</u> MGD Mo. Max Hydraulic Capacity <u>26</u> MGD Organic Capacity <u>62,883</u> #BOD/day <input type="checkbox"/> Land Application Facilities <input type="checkbox"/> Sewers and Appurtenances <input type="checkbox"/> Impoundment(s) and Liner System	<input type="checkbox"/> Industrial Waste Treatment Facilities <input type="checkbox"/> Other: _____ <input type="checkbox"/> Pump Station(s) Hydraulic Capacity _____ GPM <input type="checkbox"/> Injection Well(s) <input type="checkbox"/> Groundwater Monitoring Well(s)
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<p>D. This approval is subject to the following conditions:</p> <ol style="list-style-type: none"> All construction, operations, and procedures shall be in accordance with the application dated November 11, 1999, its supporting documentation, and addenda dated January 19, 2000. Such application, its supporting documentation and/or addenda are hereby made part of this permit. Special Conditions A through N are attached and made part of this permit. 			
<p>E. The authority granted by the permit is subject to the following further qualifications:</p> <ol style="list-style-type: none"> If there is a conflict between the application or its supporting documents and/or addenda and the Standard or Special Conditions, the Standard or Special Conditions shall apply. Failure to comply with the Rules and Regulations of the Department or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of the permit. This permit is issued pursuant to The Clean Streams Law, Act of June 22, 1937, P.L. 1987, as amended, 35 P.S. § 691.1 et seq. Issuance of the permit shall not relieve the permittee of any responsibility under any other law. 			
<p>Permit Issued: _____</p> <p>Permit Amended: <u>FEB - 2 2000</u></p>	<p>By: <u>Leon M. Oberdick</u> Leon M. Oberdick Program Manager Southcentral Regional Office</p>		

WATER MANAGEMENT PERMIT
 York City Sewer Authority
 Part II No. 6785418 99-1

Page 2

Manchester Township
 York County

SPECIAL CONDITIONS:

- A. The authority granted by this permit is subject to all effluent requirements, monitoring requirements, and other conditions as set forth in Parts A, B and C of the NPDES Permit No. PA 0026263 and all subsequent amendments and renewals. No discharge is authorized from these facilities unless approved by an NPDES Permit.
- B. **Disclaimer**
 Consistent with the Department of Environmental Protection's Application Review Policy for Water Management (Part II) Permits, the Department did not conduct a detailed technical review of this application. The Department considers Lawrence Andrew Lutter, the registered professional engineer whose seal is affixed to the design documents, to be fully responsible for the adequacy of all aspects of the facility design.
- C. All connections to the herein approved sanitary sewers must be in accordance with the connection control plan as contained in the approved Chapter 94 Wasteload Management Plan.
- D. During construction, no changes affecting any engineering design parameter shall be made from the plans, designs, and other data herein approved unless the permittee shall first receive written approval thereof from the Department. The sewerage facilities shall be constructed under expert engineering supervision and competent inspection.
- E. 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 in, along, or across private property, with full rights of ingress, egress, and regress.
- F. When the herein approved sewage treatment works is completed and before it is placed in operation, the permittee shall notify the Department in writing so that an inspection of the works may be made by a representative of the Department.
- G. The various structures and apparatus of the herein approved sewage treatment works shall be maintained in proper condition so that the facility will individually and collectively perform the functions for which they were designed.
- H. If, in the opinion of the Department, these works are not so operated or if by reason of change in the character of wastes or increased load upon the works, or changed use or condition of the receiving body of water, or otherwise the effluent from the said works ceases to be satisfactory or the sewerage facilities shall have created a public nuisance, then upon notice by the Department, the right herein granted shall cease and become null and void unless within the time specified by the Department, the permittee shall adopt such remedial measures as will produce an effluent which, in the opinion of the Department, will be satisfactory.
- I. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper portions with air, and to the highly toxic character of certain gases arising from such digestion or from sewage in insufficiently ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion, or danger from toxic gases may occur, the permittee shall post conspicuously proper warnings of a permanent and legible character and shall provide for the thorough instruction of all employees concerning these hazards and in first aid and emergency methods of meeting such hazards, and shall further provide, in a conveniently accessible place, all necessary equipment and material.

WATER MANAGEMENT PERMIT
York City Sewer Authority
Part II No. 6785418 99-1

Page 3

Manchester Township
York County

SPECIAL CONDITIONS:

- J. Cross connections between the potable water supply and the sewerage system constitute a potential danger to the public health. Therefore, all direct and indirect connections whereby under normal or abnormal conditions the potable water supply may become contaminated from an inferior water supply from any unit of the sewerage treatment works, or by any appurtenance thereof, or from any part of a sewerage system are hereby specifically prohibited. The permittee is further warned against permitting to be made permanent any temporary connection with a potable supply designed to be held in place while being used for flushing or other purposes, and is also cautioned against the danger of back siphonage through portable hose lines and similar avenues of possible contamination.
- K. The permittee shall construct the sewerage facilities in a manner compatible with good conservation methods in order to minimize the adverse effect on the environment.
- L. The sewage treatment plant shall be operated by an operator certified in accordance with the Sewage Treatment Plant and Waterworks Operators' Certification Act, the Act of November 18, 1968, P.L. 1217, as amended.
- M. Receipt of this permit does not relieve the permittee of its obligations to comply with all federal, interstate, state, or local laws, ordinances, and regulations applicable to the construction and operation of the sewerage facilities authorized herein. If the project involves earth moving activities, an erosion and sedimentation control plan must be prepared and implemented. Contact the county conservation district for specific requirements for your project.
- N. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, title easement, or interest in, on, to, or over any lands belonging to the Commonwealth.

WQMP No. 6700404



Pennsylvania Department of Environmental Protection
WATER MANAGEMENT PERMIT

PERMIT NO. 6700404

<p>A. Permittee (Name and Address)</p> <p>York City Sewer Authority 17 East Market Street York, PA 17401</p>	<p>B. Project:</p> <p>Name <u>York City Sewer Authority</u></p> <p>Municipality <u>York City</u></p> <p>County <u>York</u></p>														
<p>C. This: <input checked="" type="checkbox"/> Permit <input type="checkbox"/> Permit Amendment <input type="checkbox"/> Impoundment Closure</p> <p>Approves: <input type="checkbox"/> The construction/operation of: <input type="checkbox"/> Modifications to the construction/operation of:</p> <table border="0"> <tr> <td><input type="checkbox"/> Sewage Treatment Facilities</td> <td><input type="checkbox"/> Industrial Waste Treatment Facilities</td> </tr> <tr> <td>Annual Hydraulic Capacity <input type="checkbox"/> MGD</td> <td>Other: <input type="checkbox"/></td> </tr> <tr> <td>Mo. Max Hydraulic Capacity <input type="checkbox"/> MGD</td> <td><input type="checkbox"/> Pump Station(s)</td> </tr> <tr> <td>Organic Capacity <input type="checkbox"/> #BOD/day</td> <td>Hydraulic Capacity <input type="checkbox"/> GPM</td> </tr> <tr> <td><input type="checkbox"/> Land Application Facilities</td> <td><input type="checkbox"/> Injection Well(s)</td> </tr> <tr> <td><input checked="" type="checkbox"/> Sewers and Appurtenances</td> <td><input type="checkbox"/> Groundwater Monitoring Well(s)</td> </tr> <tr> <td><input type="checkbox"/> Impoundment(s) and Liner System</td> <td></td> </tr> </table> <p>Brief description of permitted activity: Replacing the existing Roosevelt Avenue Interceptor 10" sewer and manholes with 15" pvc and 16" ductile iron pipe from MH B-51 to MH B-47. MH B-51 will not be replaced, only the sanitary sewer line from MH B-51. The ductile iron pipe will be used under the detention basin and stream crossing.</p>		<input type="checkbox"/> Sewage Treatment Facilities	<input type="checkbox"/> Industrial Waste Treatment Facilities	Annual Hydraulic Capacity <input type="checkbox"/> MGD	Other: <input type="checkbox"/>	Mo. Max Hydraulic Capacity <input type="checkbox"/> MGD	<input type="checkbox"/> Pump Station(s)	Organic Capacity <input type="checkbox"/> #BOD/day	Hydraulic Capacity <input type="checkbox"/> GPM	<input type="checkbox"/> Land Application Facilities	<input type="checkbox"/> Injection Well(s)	<input checked="" type="checkbox"/> Sewers and Appurtenances	<input type="checkbox"/> Groundwater Monitoring Well(s)	<input type="checkbox"/> Impoundment(s) and Liner System	
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<input type="checkbox"/> Impoundment(s) and Liner System															
<p>D. This approval is subject to the following conditions:</p> <ol style="list-style-type: none"> All construction, operations, and procedures shall be in accordance with the application dated April 12, 2000 and its supporting documentation. Such application, its supporting documentation and/or addenda are hereby made part of this permit. Special Conditions A through P are attached and made a part of this permit. 															
<p>E. The authority granted by the permit is subject to the following further qualifications:</p> <ol style="list-style-type: none"> If there is a conflict between the application or its supporting documents and/or addenda and the Standard or Special Conditions, the Standard or Special Conditions shall apply. Failure to comply with the Rules and Regulations of the Department or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of the permit. This permit is issued pursuant to The Clean Streams Law, Act of June 22, 1937, P.L. 1987, as amended, 35 P.S. § 691.2 et seq. Issuance of the permit shall not relieve the permittee of any responsibility under any other law. 															
<p>Permit Issued: <u>MAY 18 2000</u></p> <p>Permit Amended: _____</p>	<p>By: <u>Leon M. Oberdick</u> Leon M. Oberdick Program Manager Southcentral Regional Office</p>														

WATER MANAGEMENT PERMIT
York City Sewer Authority
PART II NO. 6700404

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York City
York County

I. SPECIAL CONDITIONS:

A. Disclaimer

Consistent with the Department of Environmental Protection's Application Review Policy for Water Management (Part II) Permits, the Department did not conduct a detailed technical review of this application. The Department considers Mr. Lawrence Andrew Lutter, the registered professional engineer whose seal is affixed to the design documents, to be fully responsible for the adequacy of all aspects of the facility design.

- B. All connections to the herein approved sanitary sewers must be in accordance with the connection control plan as contained in the approved Chapter 94 Wasteload Management Plan.
- C. During construction, no changes affecting any engineering design parameter shall be made from the plans, designs, and other data herein approved unless the permittee shall first receive written approval thereof from the Department. The sewerage facilities shall be constructed under expert engineering supervision and competent inspection.
- D. The sewers shall have adequate foundation support as soil conditions require. Trenches shall be backfilled such that the sewers will have proper structural stability, with minimum settling and adequate protection against breakage. Concrete used in connection with these sewers shall be protected from injury by water, freezing, drying, or other harmful conditions until cured.
- E. Manhole inverts shall be so formed as to facilitate the flow of the sewage and to prevent the standing of sewage solids, and the whole manhole structure shall have proper structural strength and be so constructed as to prevent undue infiltration, entrance of the street wash or grit, and to provide convenient and safe means of access and maintenance.
- F. No storm water from pavements, area ways, roofs, foundation drains or other sources shall be admitted to the sanitary sewers herein approved.
- G. The permittee shall adopt and enforce an ordinance requiring the abandonment of privies, cesspools, or similar receptacles for human waste and on-lot sewage disposal systems on the premises of occupied structures which are accessible to public sewers and require the connection of such structures to the public sewers.
- H. The herein approved sewers shall be maintained in good condition, kept free from deposits by flushing or other proper means of cleaning, and repaired when necessary.
- I. The permittee shall file with the Department "as-built" plans showing the correct plan of all sewers and sewerage structures as actually constructed, together with any other related information that may be required.
- J. 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 in, along, or across private property, with full rights of ingress, egress, and regress.

WATER MANAGEMENT PERMIT
York City Sewer Authority
PART II NO. 6700404

PAGE 3

York City
York County

- K. The attention of the permittee is called to the highly explosive nature of certain gases generated by the digestion of sewage solids when these gases are mixed in proper portions with air, and to the highly toxic character of certain gases arising from such digestion or from sewage in insufficiently ventilated compartments or sewers. Therefore, at all places throughout the sewerage facilities where hazard of fire, explosion, or danger from toxic gases may occur, the permittee shall post conspicuously proper warnings of a permanent and legible character and shall provide for the thorough instruction of all employees concerning these hazards and in first aid and emergency methods of meeting such hazards, and shall further provide, in a conveniently accessible place, all necessary equipment and material.
- L. Cross connections between the potable water supply and the sewerage system constitute a potential danger to the public health. Therefore, all direct and indirect connections whereby under normal or abnormal conditions the potable water supply may become contaminated from an inferior water supply from any unit of the sewage treatment works, or by any appurtenance thereof, or from any part of a sewerage system are hereby specifically prohibited. The permittee is further warned against permitting to be made permanent any temporary connection with a potable supply designed to be held in place while being used for flushing or other purposes, and is also cautioned against the danger of back siphonage through portable hose lines and similar avenues of possible contamination.
- M. The permittee shall construct the sewerage facilities in a manner compatible with good conservation methods in order to minimize the adverse effect on the environment.
- N. All industrial waste discharged or proposed for discharge into the sewer system shall be studied to determine the degree of pretreatment necessary in order that the industrial waste will not adversely affect the sewerage facilities or the sewage treatment process. The permittee shall properly control any industrial waste discharge into its sewerage system by regulating the rate of such discharge, requiring necessary pretreatment, and excluding industrial waste, if necessary, to protect the integrity of the permittee's sewerage system.
- O. Receipt of this permit does not relieve the permittee of its obligations to comply with all federal, interstate, state, or local laws, ordinances, and regulations applicable to the construction and operation of the sewerage facilities authorized herein. If the project involves earth moving activities, an erosion and sedimentation control plan must be prepared and implemented. Contact the county conservation district for specific requirements for your project.
- P. This permit does not give any real or personal property rights or grant any exclusive privileges, nor shall it be construed to grant or confirm any right, title easement, or interest in, on, to, or over any lands belonging to the Commonwealth.

WQMP No. 6784419

ER-BWQ-15-Rev. 4/78

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
BUREAU OF WATER QUALITY MANAGEMENT

WATER QUALITY MANAGEMENT PERMIT

NO. 6784419

<p>A. PERMITTEE: (Name and Address) York City Sewer Authority 50 East King Street P.O. Box 509 York, PA 17405</p>	<p>B. PROJECT LOCATION City of York, North York Borough Municipality <u>West Manchester & Manchester Townships</u> County <u>York</u></p>
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<p>C. TYPE OF FACILITY (For Industrial wastes, type of establishment) Intercepting Sewers and Appurtenances</p>	<p>D. NAME OF MINE, PLANT, AREA SERVED, OUTFALL NO., ETC. York Area</p>
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E. THIS PERMIT APPROVES:	<p>1. Plans For Construction Of:</p> <p>a. <input checked="" type="checkbox"/> Private Sewers and Appurtenances b. <input type="checkbox"/> Sewage Treatment Facilities c. <input type="checkbox"/> Industrial Wastes Treatment Facilities</p> <p>d. <input type="checkbox"/> Mine Drainage Treatment Facilities e. <input type="checkbox"/> Outfall & Headwall f. <input type="checkbox"/> Stream Crossing g. <input type="checkbox"/> Impoundment</p>
	<p>2. The Discharge Of: a. <input type="checkbox"/> Treated b. <input type="checkbox"/> Untreated c. <input type="checkbox"/> Sewage d. <input type="checkbox"/> Industrial Wastes</p>
	<p>3. Discharge To: a. <input type="checkbox"/> Surface Water</p> <p>b. <input type="checkbox"/> Ground Water</p> <p>Name of Stream to which discharged or drainage area in which groundwater discharge takes place or impoundment is located.</p>
	<p>4. The Operation of a Mine <input type="checkbox"/> Maximum Area to be Deep Mined _____ Acres</p> <p>5. An Erosion and Sedimentation Control Plan <input checked="" type="checkbox"/> Project Area is <u>12</u> Acres</p>

F. THIS APPROVAL IS SUBJECT TO THE FOLLOWING CONDITIONS:

- ALL CONSTRUCTION OPERATIONS, PROCEDURES AND DISCHARGE SHALL BE IN ACCORDANCE WITH APPLICATION NO. 6784419 DATED 10/22/84 ITS SUPPORTING DOCUMENTATION, AND AMENDMENTS DATED 8/5/85 SUCH APPLICATION, ITS SUPPORTING DOCUMENTATION AND AMENDMENTS ARE HEREBY MADE A PART OF THIS PERMIT.
- CONDITIONS NUMBERED 1 thru 7, 9, 10, 11, 12, 13, 14, 16, 17, 18, 20, 21 and 22 OF THE Sewerage STANDARD CONDITIONS DATED 9/2/83 AND CONDITIONS NUMBERED All STANDARD CONDITIONS DATED 1985 OF THE EROSION CONTROL STANDARD CONDITIONS DATED 1985 WHICH CONDITIONS ARE ATTACHED AND MADE PART OF THIS PERMIT.
- SPECIAL CONDITIONS DESIGNATED A thru E WHICH ARE ATTACHED AND ARE MADE A PART OF THIS PERMIT.

G. THE AUTHORITY GRANTED BY THIS PERMIT IS SUBJECT TO THE FOLLOWING FURTHER QUALIFICATIONS:

- IF THERE IS A CONFLICT BETWEEN THE APPLICATION ON ITS SUPPORTING DOCUMENTS AND AMENDMENTS AND THE STANDARD OR SPECIAL CONDITIONS, THE STANDARD OR SPECIAL CONDITIONS SHALL APPLY.
- FAILURE TO COMPLY WITH THE RULES AND REGULATIONS OF THE DEPARTMENT OR WITH THE TERMS OR CONDITIONS OF THIS PERMIT SHALL VOID THE AUTHORITY GIVEN TO THE PERMITTEE BY THE ISSUANCE OF THE PERMIT.
- THIS PERMIT IS ISSUED PURSUANT TO THE CLEAN STREAMS LAW, ACT OF JUNE 22, 1937, P.L. 1987 AS AMENDED 35 P.S. § 691.1 ET SEQ. AND/OR THE WATER OBSTRUCTION ACT, ACT OF JUNE 25, 1913, P.L. 555 AS AMENDED 32 P.S. § 681 ET SEQ. ISSUANCE OF THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY RESPONSIBILITY UNDER ANY OTHER LAW.

PERMIT ISSUED OCT 28 1985

DATE _____

BY Leon M. Oberdick

TITLE Regional Water Quality Manager

DEPARTMENT OF ENVIRONMENTAL RESOURCES

WATER QUALITY MANAGEMENT PERMIT
PART II No. 6784419

PAGE 2

OCT 28 1985

West Manchester Township
Manchester Township
North York Borough
City of York
York County

SPECIAL CONDITIONS:

- A. Stream bed shall not be used as roadway for moving machinery from one site to another. Temporary stream crossings must be provided for equipment that must cross stream during construction. Structures are to be removed and stream bed returned to its original condition when project is completed.
- B. Siltation control shall be provided for during construction and bank stabilization shall be undertaken by planting of grasses, shrubbery, or trees immediately after completion of each phase of project.
- C. When channel change occurs, the stream bed shall not exceed original width, and if a greater cross sectional area is required, an elevated flood plain must be put into use.
- D. All material and debris removed from stream bed shall be moved entirely out of the flood plain area.
- E. A permit must be secured from the Pennsylvania Fish Commission in Harrisburg, if the use of explosives is required; P.F.C. Waterways Conservation Officer, Brian Burger, telephone (717) 927-9588, must be notified when project is started, when explosives are to be used, and when project is completed for final inspection.

WQMP No. 6784419
Amendment 93-3

ER-BUR-15-Rev. 11/85

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
WATER QUALITY MANAGEMENT PROGRAM
WATER QUALITY MANAGEMENT PERMIT

NO. 6784419
Amendment 93-3

<p>A. Permittee (Name and Address)</p> <p>York City Sewer Authority 50 West King Street P.O. Box 509 York, PA 17406</p>	<p>B. Project Location</p> <p>Municipality <u>City of York</u> County <u>York</u></p>
<p>C. Type of Facility (for IW; type of establishment)</p> <p>Upper Codorus Creek Interceptor Modifications</p>	<p>D. Name of Plant, Area Served, Outfall No., etc.</p> <p>Codorus Creek North Bank</p>
<p>E. This Permit Approves:</p> <p>1. Plan for Construction of:</p> <p>a. <input checked="" type="checkbox"/> Pump Stations; Sewers and Appurtenances b. <input type="checkbox"/> Sewage Treatment Facilities c. <input type="checkbox"/> Industrial Wastes Treatment Facilities</p> <p>d. <input type="checkbox"/> Injection Well e. <input type="checkbox"/> Outfall & Headwall f. <input type="checkbox"/> Stream Crossing g. <input type="checkbox"/> Impoundment</p>	
<p>2. The Discharge of:</p> <p>a. <input type="checkbox"/> Treated b. <input type="checkbox"/> Untreated c. <input type="checkbox"/> Sewage d. <input type="checkbox"/> Industrial Waste</p>	
<p>3. Discharge to:</p> <p>a. <input type="checkbox"/> Surface Water b. <input type="checkbox"/> Ground Water</p> <p>Name of stream to which discharged or drainage area in which groundwater discharge takes place or impoundment is located.</p>	
<p>4. Preparedness, Prevention Contingency (PPC) Plan <input type="checkbox"/></p>	<p>5. An Erosion and Sedimentation Control Plan Project Area is <u>1.5</u> Acres. <input checked="" type="checkbox"/></p>
<p>F. This approval is subject to the following conditions:</p> <p>1. All construction, operations, procedures and discharge shall be in accordance with application No. <u>6784419</u> dated <u>10/22/84</u>, its supporting documentation, and amendments dated <u>8/5/85, 7/29/87, 11/6/92 and 5/19/93</u>. Such application, its supporting documentation and amendments are hereby made a part of this permit.</p> <p>2. Conditions numbered <u>1, 2, 3, 4, 5, 6, 7, 9, 11, 12, 13, 14, 16, 20, 21 and 22</u> of the <u>SEWERAGE</u> Standard Conditions dated <u>9/2/83</u> and Conditions numbered <u>ALL</u> of the Erosion Control Standard Conditions dated <u>8/91</u> which conditions are attached and made part of this permit.</p> <p>3. Special Condition designated <u>None</u> which are attached and are made a part of this permit.</p>	
<p>G. The authority granted by the permit is subject to the following further qualifications:</p> <p>1. If there is a conflict between the application on its supporting documents and amendments and the Standard Conditions or Special Conditions, the Standard or Special Conditions shall apply.</p> <p>2. Failure to comply with the Rules and Regulations of the Department or with the terms or conditions or this permit shall void the authority given to the permittee by the issuance of the permit.</p> <p>3. This permit is issued pursuant to The Clean Streams Law, Act of June 22, 1937, P.L. 1987 as amended 35 P.S. §691.1 et seq. and /or the Dam Safety and Encroachments Act of November 26, 1978, P.L. 1375, as amended, 32 P.S. §693.1 et seq. Issuance of the permit shall not relieve the permittee of any responsibility under any other law.</p>	
<p>Permit Issued Date <u>October 28, 1985</u> Amendment Date <u>AUG 3 1993</u></p> <p>By <u>G. Roger Musselman</u> Title <u>Acting Program Manager</u></p>	

WQMP No. 6795410

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATER MANAGEMENT PERMIT

Permit No. 6795410

<p>A. Permittee (Name and Address):</p> <p>City of York One Marketway West Third Floor York, PA 17401-1231</p>	<p>B. Project:</p> <p>Name <u>Edgar Street Bypass Sewer</u></p> <p>Municipality <u>York City</u></p> <p>County <u>York</u></p>
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C. This: Permit Permit Amendment Impoundment Closure

Approves: The construction/operation of Modifications to the construction/operation of:

<input type="checkbox"/> Sewage Treatment Facilities	<input type="checkbox"/> Industrial Waste Treatment Facilities
<input type="checkbox"/> Land Application Facilities	<input type="checkbox"/> Other: _____
<input checked="" type="checkbox"/> Sewers and Appurtenances	<input type="checkbox"/> Pump/Stations
<input type="checkbox"/> Impoundment(s) and Liner System	<input type="checkbox"/> Injection Well(s)
<input type="checkbox"/> Stream Crossing(s)	<input type="checkbox"/> Outfall & Headwall(s)
<input type="checkbox"/> Soil Erosion & Sedimentation Control Plan	<input type="checkbox"/> Groundwater Monitoring Well(s)

Brief description of permitted activity: Upgrade of sanitary sewer interceptor. Constricted flow path is being corrected by relocation of two segments of the interceptor.

D. This approval is subject to the following conditions:

- All construction, operations, and procedures shall be in accordance with the application dated 09/06/95 its supporting documentation, and addenda dated 10/11/95. Such application, its supporting documentation and addenda are hereby made part of this permit.
- Conditions numbered: 1 through 7, 9, 13, 14, 16, and 20 through 22 of the Sewerage Standard Conditions dated 09/02/83 and Conditions numbered _____ of the Erosion Control Standard Conditions dated _____ are attached and made part of this permit.

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

- If there is a conflict between the application or its supporting documents and addendums and the Standard or Special Conditions, the Standard or Special Conditions shall apply.
- Failure to comply with the Rules and Regulations of the Department or with the terms or conditions of this permit shall void the authority given to the permittee by the issuance of the permit.
- This permit is issued pursuant to The Clean Streams Law, Act of June 22, 1937, P.L. 1987 as amended 35 P.S. §691.1 et seq. and/or the Dam Safety and Encroachments Act of November 26, 1978, P.L. 1375, as amended, 32 P.S. §693.1 et seq. Issuance of the permit shall not relieve the permittee of any responsibility under any other law.

Permit Issued:
Date NOV 21 1995

Department of Environmental Protection

By: Leon M. Oberdick

Title: Program Manager

Storage Tank Registration/Permit Certificate



**Commonwealth of Pennsylvania
Department of Environmental Protection**



**Bureau of Environmental Cleanup and Brownfields
Division of Storage Tanks
Rachel Carson State Office Building
P.O. Box 8762
Harrisburg, Pennsylvania 17105-8762
In Pa: 1-800-42-TANKS
Outside Pa: 717-772-5599**

All tank owners shall have the current valid Storage Tank Registration/Permit Certificate available, at the facility where the tank(s) is located, for inspection by the Department, certified storage tank inspector or installer and product distributor. At Retail Sales Facilities, the certificate (or copy) shall be publicly displayed at the facility where the tank(s) is located.

**Commonwealth of Pennsylvania
Department of Environmental Protection
Bureau of Environmental Cleanup and Brownfields**

**STORAGE TANK REGISTRATION/PERMIT CERTIFICATE
EXPIRATION: JUN-04-2022**

SEQ#	CAPACITY	SUBST	PERMIT TYPE	PERMIT STATUS	AST IN-SVC INSP DUE	AST OUT-OF-SVC INSP DUE	UST OPERATIONS INSP DUE	LINING INSP DUE
002A	23,650	HZSUB	OPR	Withdrawn	TBD	*****	*****	*****
003A	23,650	HZSUB	OPR	Withdrawn	02/24/2022	10/23/2020	*****	*****
004A	22,000	HZSUB	OPR	Withdrawn	TBD	07/06/2026	*****	*****
010A	850	HZSUB	OPR	Approved	*****	*****	*****	*****
011A	850	HZSUB	OPR	Approved	*****	*****	*****	*****
****	****	****	****	***	***	****	*****	*****
****	****	****	****	***	***	****	*****	*****
****	****	****	****	***	***	****	*****	*****
****	****	****	****	***	***	****	*****	*****

Client ID:	140434	Site ID:	453212
Owner:	YORK CITY SEW AUTH YORK C	Facility Kind:	PADMN
Id:	67-63954	Facility Id:	67-63954
	FRANKIE CAMPAGNE		YORK WWTP
	YORK CITY SEW AUTH YORK CNTY		1701 BLACK BRIDGE RD
	1701 BLACK BRIDGE RD		YORK PA 17402-1911
	YORK PA 17402-1911		