
Devin Ryan

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File #: 204725

August 29, 2024

VIA ELECTRONIC FILING

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

**Re: Application of The York Water Company - Wastewater for approval of the right to:
(1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2)
begin to offer, render, furnish or supply wastewater service to the public in an
additional portion of Lower Windsor Township, York County, Pennsylvania at
Docket No. A-2024-3049695**

Dear Secretary Chiavetta:

Attached please find The York Water Company's responses to TUS Data Request Set I in the above-referenced proceeding. A copy is being provided to Matthew Lamb at the Bureau of Technical Utility Services.

Respectfully submitted,



Devin Ryan

DR/skr
Attachment

cc: Matthew T. Lamb, P.E. (*Bureau of Technical Utility Services*) (*via e-mail*)

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-1 In Section 6 of the Application, York Water-WW indicated that it owns and operates the Lower Windsor Wastewater Treatment Plant (Lower Windsor WWTP) and it intends to change the wastewater treatment location for the Margareta Mobile Home Park (Margareta MHP) from the Margareta MHP Wastewater Treatment Plant (Margareta MHP WWTP) to the Lower Windsor WWTP as well as extend wastewater service to properties outside of the Margareta MHP along portions of East Prospect, Prayer Mission, and Furnace Roads. However, the Application is silent on whether the switch in wastewater treatment locations and the wastewater extension proposal complies with the Department of Environmental Protection's (DEP's) Act 537 Official Sewage Facilities Planning. Please provide evidence the Application complies with Lower Windsor Township's DEP-approved Act 537 Plan.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

The Lower Windsor Act 537 Plan is attached hereto as **Attachment A-1-1**. If required by PA DEP, that plan would be updated when connection is made but after PUC approval. Substantively, the revision would reflect retention of sewage conveyance to a permitted treatment plant and would reflect a move from a private owner plant to the YWC Lower Windsor Wastewater Treatment Plant. Permitting and construction also have to be undertaken and completed after PUC grants approval of the service territory expansion requested by York Water. It is not York Water's plan nor can the Company speak for the PA DEP as to a determination of compliance. If a Special Study Plan Update is required by the PA DEP, York Water will work with the Township to complete one and submit it prior to permitting.

1395.6.02.00

FILE COPY:
C. S. DAVIDSON, INC.
CIVIL ENGINEERS
86 NORTH DUKE STREET
YORK, PA. 17403

LOWER WINDSOR TOWNSHIP BOARD OF SUPERVISORS

LOWER WINDSOR TOWNSHIP
YORK COUNTY, PENNSYLVANIA

OFFICIAL ACT 537 SEWAGE FACILITIES PLAN

JANUARY 1994

PREPARED BY:

BRINJAC, KAMBIC & ASSOCIATES, INC.
114 North Second Street
P.O. Box 1290
Harrisburg, PA 17108-1290

BRINJAC, KAMBIC & ASSOCIATES, INC.

LETTER OF TRANSMITTAL

CONSULTING ENGINEERS
114 NORTH SECOND STREET
P. O. BOX 1290
HARRISBURG, PA 17108-1290

DATE: December 22, 1993
ATTENTION: Ms. Sandra Ruby
RE: Lower Windsor Township
Official Act 537 Plan

TO: Lower Windsor Township
Board of Supervisors
RD#1, Hakes Hollow Road
Wrightsville, PA 17368-9754

_____ BKA PROJECT NO. 91104

WE ARE SENDING YOU ATTACHED _____ UNDER SEPARATE VIA _____ THE FOLLOWING ITEMS:

____ SHOP DRAWINGS ____ PRINTS ____ PLANS ____ SAMPLES ____ SPECIFICATIONS
____ COPY OF LETTER ____ CHANGE ORDER Act 537 Plans

COPIES	DATE	NO.	DESCRIPTION
4	Jan. 1994		Lower Windsor Township Official Act 537 Plan

THESE ARE TRANSMITTED AS CHECKED BELOW:

____ FOR APPROVAL ____ APPROVED AS SUBMITTED ____ RESUBMIT ____ COPIES FOR APPROVAL
 FOR YOUR USE ____ APPROVED AS NOTED ____ SUBMIT ____ COPIES FOR DISTRIBUTION
____ AS REQUESTED ____ RETURNED FOR CORRECTIONS ____ RETURN ____ CORRECTED PRINTS
____ FOR REVIEW AND COMMENT

____ FOR BIDS DUE _____ 19 _____ PRINTS RETURNED AFTER LOAN TO US

REMARKS Attached are four (4) copies of the Lower Windsor Township Official Act 537 Sewage Facilities Plan for the 30 day public review period. If you have any questions, please call.

RECEIVED

DEC 23 1993

COPIES: PROJECT FILE (1)
John A. Klinedinst, P.E.

S. DAVIDSON, INC
YORK, PA.

SIGNED: _____



Yves E. Pollart, P.E.

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III	Applicable Sections of Lower Windsor Township Comprehensive Plan
IV	On-Lot Permit Review
V	Recommended Ordinances
VI	Well Sampling Data

CHAPTER I

EXECUTIVE SUMMARY

Lower Windsor Township is located in York County, Pennsylvania as shown on Exhibit I-1.

Lower Windsor Township entered into the Act 537 planning process in response to ongoing concerns with respect to wastewater disposal needs within the Township. Through the Act 537 planning process, Lower Windsor Township has attempted to determine the most cost effective, environmentally sound, and implementable alternative to provide for the short and long term wastewater disposal and development needs of Lower Windsor Township.

A. FINAL PLAN RECOMMENDATIONS

1. Selected Alternative:

- a. In order for a plan to be usable, the plan must be implementable. Based on the various alternatives evaluated by the Board of Supervisors, which included the construction of holding tanks, cluster on-lot sewage disposal systems; and wastewater collection and treatment systems which were determined to be very cost prohibitive, it is recommended that the Township adopt an On-Lot Management program for those areas of the Township identified as Short Term Need Areas. This type of program appears to be the only currently available option which is both affordable and implementable.
- b. Adoption of a zoning ordinance consistent with the Lower Windsor Township Comprehensive Plan.
- c. Should the on-lot management program not completely help with the prevention and alleviation of sewage disposal problems within selected areas of the Township, the Township should begin to pursue funding sources for the construction of affordable wastewater collection and treatment systems.

2. Schedule of Necessary Actions to Implement the Selected Alternative:

Submit Pre-final Plan for Board of Supervisor Review	08/01/93
Submit Final Plan To Township	01/03/94
Public Meeting/Official Plan Adoption	02/10/94
Submit Plan to DER	02/28/94
DER Approval of Official Plan	06/28/94
Enact On-lot Management Ordinance	03/01/95
Initiate On-lot Management Program	01/01/96

3. Municipal Adoptions:

The Lower Windsor Township Board of Supervisors adopted the Lower Windsor Township Official Act 537 Sewage Facilities Plan on _____. The referenced adoption is included herein as Exhibit I-2.

CHAPTER II

BACKGROUND INFORMATION

A. GENERAL INFORMATION

1. Previous Wastewater Planning:

Wastewater planning has been undertaken in an attempt to provide for the stable, ongoing growth and development of Lower Windsor Township, as well as to address existing environmental concerns.

A summary of previous planning and subsequent proposals for Lower Windsor Township are as follows:

a. Comprehensive Water Quality Management Plan (COWAMP), Study Area No. 3:

With respect to Lower Windsor Township, COWAMP proposed the construction of a 460,000 gallon per day (gpd) regional wastewater treatment and collection system to serve East Prospect Borough, Yorkana Borough, and portions of Lower Windsor Township, with discharge to the Susquehanna River. To date this has not been implemented.

b. York County Comprehensive Sewage Study, Phase II - Sewage Facilities Plan, 1972.

With respect to Lower Windsor Township, the York County Comprehensive Sewage Study proposed a regional wastewater treatment facility and collection system serving the boroughs of East Prospect and Yorkana and portions of Lower Windsor Township. A 420,000 gpd wastewater treatment facility located at Long Level and discharging to the Susquehanna River was proposed. To date this facility has not been implemented.

c. Preliminary Feasibility Study for Sanitary Sewerage System, East Prospect Borough, Lower Windsor Township, York County, PA, C. S. Davidson, Inc. 9/73.

The preliminary study evaluated various ways of providing sanitary sewage service to East Prospect Borough and the densely populated areas of Lower Windsor Township.

d. Feasibility Study for East Prospect Borough, East Prospect Borough, York County, James R. Holley & Associates, Inc., 9/87.

The Feasibility Study for East Prospect Borough proposed the construction of a sanitary sewer collection system to serve East Prospect Borough and a 60,000 gpd advanced secondary wastewater treatment facility with discharge to Cabin Creek. Presently, this facility is under construction. Also, Lower Windsor Township has not purchased capacity in this facility.

- e. Bittersville Area Sewer Feasibility Study, Lower Windsor Township, York County, PA, 12/86, revised 9/87.

The Bittersville Area Sewer Feasibility Study called for the construction of a sanitary sewer collection system, pumping station, and a community on-lot disposal system. To date this alternative has not been implemented.

2. Major Subdivisions/Developments Since 1972: (refer to Exhibit II-1)

Since 1972, there have been nine (9) major subdivisions within Lower Windsor Township according to Township records. They are as follows:

- a. Gilbert Heights: Approximately 75 lots, largely built out.
- b. Sun Set View: Approximately 54 lots, largely built out.
- c. Windsor Heights: Approximately 85 lots, largely built out.
- d. Willow Creek Farm: Approximately 58 lots, largely built out.
- e. Massa Tract: Approximately 48 lots, largely built out.
- f. Fox Creek Estates: Approximately 53 lots, largely built out.
- g. Susquehanna Farms: Approximately 20 lots, largely built out.
- h. Picturesque: Approximately 49 lots, largely built out.
- i. Lauxmont View: Approximately 14 lots, only three (3) developed to date.

Presently, all of the above subdivisions utilize on-lot subsurface sewage disposal alternatives for sewage disposal from developed lots.

3. Comprehensive Planning and Related Ordinances:

Comprehensive planning and related subdivision and zoning ordinances are undertaken by municipalities to provide for adequate and appropriate land-use planning and development. Comprehensive planning with respect to Lower Windsor Township has been undertaken by the Township. In addition, Lower Windsor Township has enacted a subdivision and land development ordinance. Discussions of the applicable plans and ordinance are presented below:

- a. Comprehensive Plan, Lower Windsor Township, York County, Pennsylvania, 1989 - The Lower Windsor Township Comprehensive Plan was prepared in accordance with Pennsylvania Act 247 and was adopted by the Lower Windsor Township Board of Supervisors January 25, 1989. The Plan evaluated population trends, land use, soil suitability for on-lot subsurface disposal, housing, transportation, utilities, etc. The Plan's purpose involved the development of a land use plan, which would be used as the basis for a Lower Windsor Township Zoning Ordinance. With respect to public sanitary sewage collection and treatment, the Plan recommended the following:
- 1) A regional wastewater collection and treatment system similar to that proposed in the York County Comprehensive Sewage Study.
 - 2) Package treatment plants be utilized to serve intensive development only in areas of Lower Windsor Township where connection to the proposed regional facility is feasible within five (5) years.
 - 3) Strict adherence to the provisions of the Pennsylvania Sewage Facilities Act (PA Act 537) for those areas beyond the proposed public sewer service area.
 - 4) Portions of Lower Windsor Township declared On-lot Sewage Disposal System Problem Areas should be considered for the establishment of On-lot Sewage Disposal Management Districts as temporary measures.
- b. Lower Windsor Township Amendatory Subdivision and Land Development Ordinance of 1989 - The Lower Windsor Township Subdivision and Land Development Ordinance provides restrictions concerning the construction of buildings within environmentally sensitive areas such as flood prone areas. Also, the Ordinance provides regulations concerning the connection of developments to existing sanitary sewers, the construction of capped sewers and the use of on-lot subsurface disposal. Applicable sections of the Ordinance have been included in Appendix II.
- c. DRAFT - Lower Windsor Township Zoning Ordinance - The draft Lower Windsor Township Zoning Ordinance proposes eleven (11) types of land uses within the Township; proposes permitted land uses and land uses permitted by special exception within designated land use districts. Also, the draft ordinance proposes area, yard, and height regulations for development within the proposed zoning districts.

Presently the draft zoning ordinance is still under consideration by the Lower Windsor Township Board of Supervisors.

4. Existing Development/Land Use:

The existing Lower Windsor Township tax maps indicated that there are approximately 2,200 subdivided lots within the Township. The 1990 census indicated that 2,624 housing units exist within Lower Windsor Township.

The Lower Windsor Township Comprehensive Plan indicated the following land use within the Township:

- a. Low Density Residential Development - 9.3%
- b. Medium Density Residential Development - 5.2%
- c. Commercial Development - 0.5%
- d. Industrial Development - 0.2%
- e. Woodland - 14.5%
- f. Open Space and Farmland - 64.2%
- g. Public and Semi-public - 6.1%

5. Land Use Management with Respect to Flood Plains and Stormwater Management:

Presently, Lower Windsor Township controls development within the flood plain and flood way through the enforcement of their Subdivision and Land Development Ordinance. Essentially, the subdivision of property for residential occupancy is prohibited within the flood prone areas unless protective measures are taken. The building of any structure within the flood way is prohibited.

Flood insurance mapping has been prepared by the Federal Emergency Management Agency (FEMA) identifying the floodway 100 year and 500 year flood plains. The FEMA flood insurance mapping has been included in this plan as Exhibit II-2.

6. Anti-Degradation Requirements:

The anti-degradation requirements for the waters of the Commonwealth of Pennsylvania are outlined in DER Regulations Chapters 93, 95 and 102.

The protected uses of streams are defined in Chapter 93 of the Pennsylvania Department of Environmental Resources (DER) regulations. The "protected use" of a stream is taken into consideration in the development of effluent limitations for point source discharges to a stream. In essence the "protected use" of a stream is an indication of the minimum water quality that must be maintained within the stream.

The protected use of Kruetz Creek, Klines Run, Canadochly Creek, Cabin Creek, and Bull Run within Lower Windsor Township is Warm Water Fishes. The protected uses of Fishing Creek and Beaver Creek are Trout Stocking and Cold Water Fishes respectively. The protected uses are defined as follows:

- a. Warm Water Fishes - "Maintenance and propagation of fish species and additional flora and fauna which are indigenous to a warm water habitat."
- b. Trout Stocking - "Maintenance of stocked trout from February 15 to July 31 and maintenance and propagation of fish species and additional flora and fauna which are indigenous to a warm water habitat."
- c. Cold Water Fishes - "Maintenance and/or propagation of fish species including the family salmonidae and additional flora and fauna which are indigenous to a cold water habitat."

7. State Water Plan/Public Water Supplies:

The State Water Plan for Sub-basin 7 - Lower Susquehanna River, February 1980, was reviewed for consistency with this Official Plan. Lower Windsor Township is located within the Lower Susquehanna River Basin within the Muddy Creek Watershed. The State Water Plan population projections for the Muddy Creek watershed called for a 22.7% increase between 1970 and 1990. The actual population increase in Lower Windsor Township between 1970 and 1990 was 81.8% (refer to Table 2.2).

Presently, the Margaretta Water Company serves the Margaretta Mobile Home Park. In addition, neighboring public water supplies extend into Lower Windsor Township and provide service to the Canadochly Elementary School (East Prospect Borough Water System) and the Eastern York High School (Wrightsville Water Supply Company). York Water Company extended a line along Prospect Road near Modern Landfill.

A permit review performed at the Department of Environmental Resources provided information concerning current permitted and unpermitted public water supply systems in Lower Windsor Township. A brief summary of data collected is presented below.

- a. Barry's Mobile Home Park (MHP) - PWS ID# 7670041. The potable water system at Barry's MHP serves 25 mobile homes with the distribution system being supplied by six (6) wells. Estimated water usage is 6,250 gallons per day (gpd). Laboratory analysis of the water indicates that five of the six wells exceeded the Environmental Protection Agency's (EPA) drinking water standards for total coliform. All six wells were below the EPA standard for nitrate nitrogen.

- b. Margaretta MHP - The potable water system at Margaretta MHP serves 12 mobile homes with the distribution system being supplied by two (2) wells. Estimated water usage is 6,975 gpd. Laboratory analysis of the water indicates that both wells were below the EPA standards for nitrate nitrogen. Sample data for total coliform was not available.
 - c. Raver's MHP - The potable water system at Raver's MHP serves 51 mobile homes with the distribution system being supplied by five (5) wells. Estimated water usage is 6,000 gpd. Laboratory analysis of the water indicates that three of the five wells exceeded the EPA standards for total coliform. Two of the five wells exceeded the EPA standards for nitrate nitrogen.
 - d. Shalako MHP - The potable water system at Shalako MHP serves 32 mobile homes with the distribution system being supplied by two (2) wells. Estimated water usage is 4,800 gpd. Laboratory analysis of the water indicates that both wells are below the EPA standards for total coliform and nitrate nitrogen.
 - e. Zeigler MHP - The potable water system at Zeigler MHP has a distribution system being supplied by one (1) well. Laboratory analysis of the water indicates that the well is below the EPA standards for total coliform and nitrate nitrogen.
 - f. Seitz MHP - The potable water system at Seitz MHP serves 39 mobile homes with the distribution system being supplied by three (3) wells. Estimated water usage is 3,900 gpd. Laboratory analysis of the water indicates that both wells are below the EPA standards for total coliform and nitrate nitrogen.
 - g. Snyder's MHP - The potable water system at Snyder's MHP serves 17 mobile homes with the distribution system being supplied by two (2) wells. Laboratory analysis of the water indicates that both wells are below the EPA standards for nitrate nitrogen. Sample data for total coliform was not available.
8. Potential Growth Areas:

Act 537 planning requires the evaluation of potential growth areas. Of particular concern are 5 year potential growth areas (Short Term Development Needs) and 10 year potential growth areas (Long Term Development Needs).

Potential Growth Areas for Lower Windsor Township have been delineated based on a review of existing developments within the Township and existing and future land use as detailed in the Township's Comprehensive Plan. In addition, the soils survey information has been mapped along with the Potential Growth Areas (refer to Exhibit II-1) to give an indication of

the applicability of the continued use of on-lot sewage disposal for these areas.

A discussion of each Potential Growth Area is presented below.

- a. Yorkana Area - The Yorkana Area, located in the northwestern corner of Lower Windsor Township encompasses the Borough of Yorkana. Existing land use in the Yorkana Area is largely agricultural. Some residential land use exists in the Area, in particular the Yorkana Mobile Home Park and the Village of Delroy (which includes the Sunset View Development). The Modern Landfill is located southwest of Yorkana Borough and is the primary industrial land use in this Area. Minimal commercial land use exists.

The existing development density within the Yorkana Area is light, with the exception of the Village of Delroy and the Yorkana Mobile Home Park. The Lower Windsor Township Comprehensive Plan identifies future land use in the Yorkana Area to be largely residential and village areas. In addition, the Comprehensive Plan calls for the expansion of the industrial area to the east and the development of a commercial area adjacent to it. A conservation area is proposed along a portion of Kreutz Creek. (Refer to Appendix III for applicable sections of the Lower Windsor Township Comprehensive Plan.)

Soils in the Yorkana Area are generally mapped as suitable for on-lot subsurface disposal systems.

Municipal sewer service may be warranted in the proposed village (Delroy and the adjacent area along East Prospect Road), industrial, and commercial areas in order for these areas to develop to their full potential. Considering the soils suitability, on-lot subsurface disposal may be acceptable as a long term means of sewage disposal.

Based on the above, the Yorkana Area is considered a Short Term Development Need. Especially the Village of Delroy, the area along East Prospect Road, and the Proposed industrial and commercial area south of East Prospect Road.

- b. Canadochly Church Area - The Canadochly Church Area is located in the north central portion of Lower Windsor Township along East Prospect Road. Existing land use is generally residential (strip development) along roadway arteries with the remaining land use being primarily agricultural.

With the exception of the areas along roadways, the existing development density is light.

The Lower Windsor Township Comprehensive Plan projects residential land use for this Area in the future.

Soils in the Canadochly Church Area are generally suitable for on-lot sewage disposal. Considering this, on-lot subsurface sewage disposal may be acceptable in meeting the development needs of the Canadochly Church Area for the foreseeable future.

Based on the above, the Canadochly Church Area is considered a Short Term Development Need.

- c. Mt. Pisgah Area - The Mount Pisgah Area is located in the extreme north central part of Lower Windsor Township. Eastern York County High School, Samuel S. Lewis State Park, the Picturesque Development, and the Windsor Heights Development are located within the Mt. Pisgah Area. Existing land use in the Area is largely agricultural. Residential land use is generally centered in the above referenced developments. Overall, the development density of the Area is light.

The Lower Windsor Township Comprehensive Plan projects this area for Residential Development in the future.

Soils in the Mt. Pisgah Area are largely mapped suitable for on-lot subsurface disposal. Considering this, on-lot subsurface disposal may be acceptable in meeting the development needs of the Mt. Pisgah Area.

Based on the above, the Mt. Pisgah Area is considered a Short Term Development Need.

- d. Margaretta Furnace Area - The Margaretta Furnace Area is located in the central part of Lower Windsor Township, adjacent to East Prospect Borough along East Prospect Road. Existing land use is primarily agricultural with some village and residential areas located along roadway arteries. Overall development is light in the Margaretta Furnace Area.

The Lower Windsor Township Comprehensive Plan projects this area for commercial and residential development in the future.

Soils in the Margaretta Furnace Area are primarily mapped suitable for on-lot subsurface disposal, with pockets of potentially unsuitable and unsuitable soils. Considering this, on-lot subsurface sewage disposal may be acceptable to meet the development needs of the Margaretta Furnace Area for the foreseeable future.

Based on the above, the Margaretta Area is considered a Short Term Development Need.

- e. Water Front Area - The Water Front Area is located centrally along the Susquehanna River in Lower Windsor Township. The existing land use is primarily public land

and village areas. Some commercial areas presently exist. Existing development density in this area is generally light.

The Lower Windsor Township Comprehensive Plan projects the primary land use of this area as a Water Front recreation.

The soils in this Area are generally mapped as suitable for on-lot subsurface disposal, with some pockets of potentially unsuitable soils. Considering this, on-lot subsurface disposal may be acceptable to meet the development needs of the Water Front Area for the foreseeable future.

Based on the above, the Water Front Area is considered a Short Term Development Need.

- f. Old Commons Road Area - The Old Commons Road Area is located in the western part of Lower Windsor Township. Primarily, the existing land uses are residential, agricultural, and woodlands. Existing development density in this Area is light.

The Lower Windsor Township Comprehensive Plan projects the primary land use to be residential in the Old Commons Road Area.

The soils in the Old Commons Road Area are primarily mapped as suitable for on-lot subsurface disposal. In addition, one (1) pocket of potentially unsuitable and one (1) pocket of unsuitable soils for on-lot subsurface disposal are mapped. Considering this, on-lot subsurface disposal may be acceptable to meet the development needs of the Old Commons Road Area for the foreseeable future.

Based on the above, the old Commons Road Area is considered a Short Term Development Need.

- g. Neiam School Area - The Neiam School Area is located in the central part of Lower Windsor Township. Existing land use is primarily residential, woodlands, and agricultural. Existing development density in this Area is light.

The Lower Windsor Township Comprehensive Plan projects the primary land use to be residential.

The soils in the Neiam School Area are primarily mapped as suitable for on-lot subsurface disposal, although there are substantial areas mapped as potentially unsuitable and unsuitable for on-lot subsurface disposal. Considering this, on-lot subsurface disposal may not be acceptable to meet the development needs of the Neiam School Area for the foreseeable future.

Based on the above, the Neiam School Area is considered a Short Term Development Need.

- h. East Prospect Area - The East Prospect Area is located in the eastern part of Lower Windsor Township, immediately to the south and east of East Prospect Borough. Existing land use in the area is largely agricultural and woodlands, with some residential. Existing development density in this Area is light.

The Lower Windsor Township Comprehensive Plan projects the predominant land use to be residential in the East Prospect Area.

Soils mapped in the East Prospect Area are predominantly suitable for on-lot subsurface disposal. Considering this, on-lot subsurface disposal may be acceptable to meet the development needs of the East Prospect Area for the foreseeable future.

Based on the above, the East Prospect Area is considered a Short Term Development Need.

- i. Bittersville Area - The Bittersville Area is located in the southwestern part of Lower Windsor Township and encompasses the Village of Bittersville and a portion of the Massa Development. The primary existing land uses in the Bittersville Area are agricultural, woodland, and residential. Overall, the existing development density in the Area is light although, the development density is more dense in the Village of Bittersville and in the Massa Development.

The Lower Windsor Township Comprehensive Plan projects the predominant land uses in this Area to be conservation and agriculture.

Soils mapped in the Bittersville are primarily suitable for on-lot subsurface disposal, with some pockets of soils mapped as potentially unsuitable. Considering this, on-lot subsurface disposal may meet the development needs of the Bittersville Area for the foreseeable future.

Based on the above, the Bittersville Area is considered a Long Term Development Need.

- j. Martinsville Area - The Martinsville Area is located in the southcentral area of Lower Windsor Township and encompasses the Village of Martinsville and a portion of the Massa Development. Existing land use is primarily agricultural, woodlands, and residential. Overall, the development density of the Martinsville Area is light although, concentrated in the Village of Martinsville, the Massa Development, and along roadway arteries.

The Lower Windsor Township Comprehensive Plan projects the predominant land uses in this area to be agricultural and conservation.

Soils mapped in the Martinsville Area are predominantly suitable for on-lot subsurface disposal, with some potentially unsuitable and unsuitable soils. Considering this, on-lot subsurface disposal may be acceptable to meet the development needs for the Martinsville Area for the foreseeable future.

Based on the above, the Martinsville Area is a Long Term Development Need.

- k. Craley Area - The Craley Area is located in the southeastern part of Lower Windsor Township and encompasses the Gilbert Heights Development and a portion of the Fox Creek Estates Development. The existing land uses in this area are agricultural, woodlands, and residential. The existing development density in this Area is light overall although, concentrated in the Village of Craley, the developments, and along roadway arteries.

The Lower Windsor Township Comprehensive Plan projects the land use to be predominantly residential and commercial.

The soils mapped in this Area are predominantly suitable for on-lot subsurface disposal, with pockets of potentially unsuitable and unsuitable soils. Considering this, on-lot subsurface disposal may be acceptable to meet the development needs of the Craley Area for the foreseeable future.

Based on the above, the Craley Area is considered a Short Term Development Need.

- l. Craley North Area - The Craley North Area is located in the southeastern part of Lower Windsor Township and encompasses portions of the Fox Creek Estates and Susquehanna Farms Developments. The existing land uses in this area are agricultural and residential. The existing development density in this Area is light.

The Lower Windsor Township Comprehensive Plan projects the land use to be predominantly residential.

The soils mapped in this Area are predominantly suitable for on-lot subsurface disposal, with a large pocket of unsuitable soils. Considering this, on-lot subsurface disposal may be acceptable to meet the development needs of the Craley North Area for the foreseeable future.

Based on the above, the Craley North Area is considered a Short Term Development Need.

- m. Snyder Corner Area - The Snyder Corner Area is located in the southwestern corner of Lower Windsor Township. The primary existing land uses in this Area are agricultural, woodlands, and residential. Overall, the existing development density in the Area is light.

The Lower Windsor Township Comprehensive Plan projects the predominant land uses in this Area to be conservation and agriculture.

Soils mapped in the Snyder Corner Area are primarily suitable for on-lot subsurface disposal, with some pockets of soils mapped as potentially unsuitable. Considering this, on-lot subsurface disposal may meet the development needs of this Area for the foreseeable future.

Based on the above, the Snyder Corner Area is considered a Long Term Development Need.

B. PHYSICAL DESCRIPTION OF PLANNING AREA

1. Base Planning Area:

Lower Windsor Township is located in the southcentral portion of Pennsylvania in York County (refer to location map - Exhibit I-1). Within York County, Lower Windsor Township is located in the eastern section of the county. Lower Windsor Township is bounded by Hellam Township to the north, Chanceford Township to the south, Windsor Township to the west, and the Susquehanna River to the east.

2. Physical Characteristics:

- a. Drainage Basins - Lower Windsor Township is located within the Susquehanna River Drainage Basin. The northeastern portion of the Township is drained by Canadochly Creek, Klines Run, and Kreutz Creek all of which are tributary to the Susquehanna River.

Cabin Creek drains the central portion of Lower Windsor Township and is tributary to the Susquehanna River.

Fishing Creek and its tributary, Beaver Creek, drain the southern portion of Lower Windsor Township. Fishing Creek is tributary to the Susquehanna River.

Refer to Exhibit II-3 for Lower Windsor Township drainage basins.

- b. Soils Survey - The soils within Lower Windsor Township, as mapped in the "Soils Survey of York County", U. S. Department of Agriculture, Soil Conservation District, May 1963, were evaluated for suitability for their use in on-lot sewage disposal systems. The four (4) categories that were evaluated included: slopes, depth to bedrock, depth to

high groundwater table, and permeability. DER Chapter 73 requirements for soil unsuitability for on-lot subsurface disposal were applied for each category. Parameters for the determination of unsuitable soils are as follows:

- 1) Slopes >25%
- 2) Depth to bedrock <20 inches
- 3) Depth to high groundwater table <20 inches
- 4) Permeability <3.0 min/inch or >120 min/inch

Table 2.1 identifies soils mapped within Lower Windsor Township and their suitability with respect to the above referenced categories. The soils were then classified as suitable, potentially unsuitable and unsuitable based on the following criteria:

- 1) Suitable - Soils which were found to be suitable in all four (4) categories.
- 2) Potentially Unsuitable - Soils which were found to be potentially unsuitable in one or more category and suitable in the remaining categories.
- 3) Unsuitable - Soils which were found to be unsuitable in one or more categories.

The referenced soils survey information has been mapped and included as part of Exhibits II-1, II-4, and II-5. As these Exhibits indicate, the majority of the soils mapped in Lower Windsor Township are classified as suitable for on-lot sewage disposal.

The limitation categories reflect a combination of factors which may or may not be present in an individual soils group. Therefore, specific sites will require on-site investigations to determine their suitability for the operation of an on-lot sewage disposal system.

It should be noted that on-lot disposal systems are not permitted in the floodway. Refer to Exhibit II-2 for mapping delineating the floodway in Lower Windsor Township.

- c. Geology - Available geologic mapping was reviewed to identify geologic formations which present concerns with respect to groundwater contamination in conjunction with the use of on-lot subsurface disposal systems. In particular, limestone formations or highly fractured formations are of concern. Limestone has a tendency to form solution channels which allow the wastewater to discharge directly to the groundwater table with minimal renovation. Also, areas of highly fractured rock may allow wastewater to discharge directly to the groundwater with minimal renovation. Such areas have been identified and included as part of Exhibit II-5, Preliminary Hydrogeologic Survey.

TABLE 2.1
LOWER WINDSOR TOWNSHIP
SOILS SUITABILITY FOR ON-LOT SEWAGE DISPOSAL

Soil Type	Slope	Depth to Bedrock	Depth to High Water Table	Permeability
Bedford: BdA, BdB2, BdB3, Bdc2, Bdc3	S	S	P	S
Bermudian: BeA, BhA, BhB	S	S	S	S
Catoctin: CcB3, Ccc3, Ccd3	S	P	S	S
Chester: ChA, ChA2, ChB, ChB2, ChB3, ChC2	S	S	S	S
Chewacla: Ck	S	S	P	S
Conestoga: CoA, CoA2, CoB2, CoB3, Coc2, Coc3, CoD3	S	S	S	S
Congaree: Cp	S	S	S	S
Edgemont: EcB2, Ecc2, Ecc3, Ecd2, Ecd3, EdB, EdB2, EdB3, EdC, EdC2, Edc3, EdD2, EdD3, EhB, EhD, EhF	U-EhF	U-EhF P-EhD	S	S
Elioak: EkA, EkB, EkB2, EkC, EkC2, EkC3	S	S	S	S
Glenelg: GcB, GcB2, GcB3, GcC, GcC2, GcC3, GcD, GcD2, GcD3	S	S	S	S
Glenville: GnA, GnB, GnB2	S	S	P	S
Huntington: Hn, HuA, HuB	S	S	S	S
Lehigh: LhA, LhB, LhB2, LhB3, LhC, LhC2, LhC3, Lhd2, Lhe3	S	S	P	P
Lindside: Ls	S	S	P	S
Manor: MfB, MfB2, MfB3, MfC, MfC2, MfC3, MfD, MfD2, MfD3, MfE, MfE2, MfE3, MfF, MgB, MgB2, MgF2	U-MfE, MfE2, MfE3, MfF, MgF2	S	S	S
Pequea: PsB2, PsC2, PsC3, PsD3	S	P	S	S

Legend: S = Suitable

P = Potentially Unsuitable

U = Unsuitable

3. Population Projections and Analyses:

- a. Historical Population Trends - Table No. 2.2 indicates historical population trends for both Lower Windsor Township and York County based on the most recent census data.

Table No. 2.2 shows that the population of Lower Windsor Township has been increasing at a rate greater than that of York County although the rate of population increase for Lower Windsor Township may be moving to a point of equilibrium with that of the County.

- b. Population Projections - Population projections for 5, 10 and 20 year planning periods are required in accordance with the Act 537 planning requirements and the federal facilities planning requirements under Pennvest. Table No. 2.3 summarizes the available population projections and presents projections proposed as part of this Official Plan.

- c. Official Plan Update, 1993 - Population Projections - Historically, the population of Lower Windsor Township has been increasing since 1970, as is evidenced by Table 2.2. Most likely the reasons for this are related to Lower Windsor Township's location respective to area job centers (York, Lancaster, and Harrisburg are all located within commuting distance of Lower Windsor Township), the availability of undeveloped land, and lower land costs. Being a rural area, Lower Windsor Township has a substantial amount of undeveloped land.

Table 2.3 contains population projections. Previous population projections were extrapolated to identify the 5 year, the 10 year and the 20 year population projections. The Official Plan population projections utilized the same planning periods. This was done to be consistent with both the DER Act 537 planning requirements and the federal planning requirements under the Pennvest State Revolving Fund (SRF).

C. EXISTING WASTEWATER TREATMENT TECHNOLOGY

1. Municipal Treatment Facilities:

- a. East Prospect Borough - East Prospect Borough owns and operates a 60,000 gallon per day (gpd) package extended aeration treatment plant located in Lower Windsor Township. The system is permitted to discharge to Cabin Creek under Water Quality Management Part I Permit #PA 0084565 issued April 4, 1991.

TABLE 2.2
LOWER WINDSOR TOWNSHIP
HISTORICAL POPULATION TRENDS
1970 - 1990

MUNICIPAL ENTITY	POPULATION			% CHANGE	
	1970	1980	1990	1970 TO 1980	1980 TO 1990
YORK COUNTY	273,236	312,963	339,574	14.5	8.5
LOWER WINDSOR TOWNSHIP	3,879	5,977	7,051	54.1	18.0

TABLE 2.3
POPULATION PROJECTIONS
LOWER WINDSOR TOWNSHIP

POPULATION PROJECTION SOURCE	YEAR						
	1980	1990	1993	1997	2000	2002	2012
COWAMP	4,169	4,465	4,528*	4,686*	4,781	4,816*	4,981*
York County Planning Commission	4,800	5,880	6,092*	6,622*	6,940	7,152*	9,272*
Official Act 537 Plan, Lower Windsor Township, York County, 1992.	5,977**	7,051**	7,305*	7,939*	8,320*	8,574*	9,843*

* EXTRAPOLATIONS

** CENSUS DATA

2. Non-Municipal Wastewater Treatment Facilities:

- a. Margaretta Mobile Home Park - The Margaretta Mobile Home Park is located south of Margaretta Furnace in Lower Windsor Township. The Margaretta Mobile Home Park Treatment System is a 18,000 gpd package extended aeration treatment plant with chemical addition for Phosphorus removal. The plant discharges to Cabin Creek under Water Quality Management Part I Permit #PA 0042528.
- b. Eastern York School District - The Eastern York School District owns and operates one (1) wastewater treatment plant in Lower Windsor Township. The Eastern York High School Wastewater Treatment System is a 19,500 gpd package extended aeration treatment system with chemical addition and tertiary filtration for Phosphorous removal. The Eastern York High School Water Treatment System is located in the northeastern portion of Lower Windsor Township and discharges to Canadochly Creek under Water Quality Management Part I Permit #PA 0080870 issued June 18, 1990.
- c. Modern Trash Removal - The Modern Trash Removal Wastewater Treatment System treats groundwater and landfill leachate. The facility is located in the western portion of Lower Windsor Township near Yorkana Borough. The facility discharges to an unnamed tributary to Kreutz Creek under Water Quality Management Part I Permit #PA 0046680.
- d. Single Family Residence Treatment Systems - One (1) single family residence treatment system is permitted in Lower Windsor Township. The Ralph E. Bookmeyer wastewater treatment system is permitted to discharge 400 gpd to Bull Run under Water Quality Management Part I Permit #PA 0084441.

3. On-Lot Subsurface Sewage Disposal Systems:

The remaining areas of Lower Windsor Township utilize on-lot sewage disposal systems.

4. Unpermitted Collection and Disposal Systems:

There are no known unpermitted collection systems (wildcat sewers) or discharge bore holes within Lower Windsor Township.

5. Existing Sludge Generation, Transportation and Disposal:

- a. Sludge Generation - Sludge generated by the private wastewater treatment facilities is handled via contract haulers, as is sludge from on-lot septic systems.
- b. Sludge Disposal - A permit review performed at the Department of Environmental Resources, Bureau of Solid Waste Management, provided information concerning current permitted agricultural lands designated for application of

sewage sludge. The nine farms that are currently permitted within Lower Windsor Township are as follows:

PERMITTEE	PERMIT #	FARMER
Eastern York County	603206	Keller
Eastern York County	603205	Shenenberger
Springettsbury Twp.	602034	Bill Busser
Springettsbury Twp.	602025	Lester Loucks
Springettsbury Twp.	602025	Ernest Ruby
Springettsbury Twp.	603148	Kenneth Rexroth I
Springettsbury Twp.	603148	Kenneth Roxroth II
Springettsbury Twp.	603148	William Buser
Wrightsville Borough	601876	David Evans

D. EVALUATION OF WASTEWATER NEEDS

1. On-Lot Subsurface Disposal:

- a. Areas Dependent Upon On-Lot Subsurface Disposal - As previously indicated, on-lot subsurface disposal provides the bulk of the wastewater treatment and disposal needs of Lower Windsor Township.

Eleven (11) Areas of Concern can be identified in Lower Windsor Township as follows (Areas of Concern are identified as part of Exhibits II-4 and II-5):

- 1) Area I: Area I is located in the northern portion of Lower Windsor Township. The Samuel Lewis State Park, the Eastern York County High School, and the Windsor Heights and Picturesque Developments are located within Area of Concern I. Based on available mapping and a field survey, approximately 213 residences exist within this Area.
- 2) Area II: Area II is located in the eastern portion of Lower Windsor Township along the Susquehanna River. Based on available mapping and a field survey, approximately 215 residences exist within this Area.
- 3) Area III: Area III is located in the northcentral portion of Lower Windsor Township. The Village of Canadochly Church is located within Area of Concern III. Based on available mapping and a field survey, approximately 62 residences exist within this Area.
- 4) Area IV: Area IV is located in the northcentral portion of Lower Windsor Township. The Village of Margaretta Furnace is located within Area of Concern IV. Based on available mapping and a field survey, approximately 86 residences exist within this Area.
- 5) Area V: Area V is located in the southeastern portion of Lower Windsor Township along the Susquehanna River.

The Village of Long Level is located within Area of Concern V. Based on available mapping and a field survey, approximately 75 residences exist within this Area.

- 6) Area VI: Area VI is located in the central portion of Lower Windsor Township. Based on available mapping and a field survey, approximately 81 residences exist within this Area.
- 7) Area VII: Area VII is located in the southeastern portion of Lower Windsor Township. The Village of Craley and portions of the Fox Creek Estates, Susquehanna Farms, and Gilbert Heights Developments are located within Area of Concern VII. Based on available mapping and a field survey, approximately 259 residences exist within this Area.
- 8) Area VIII: Area VIII is located in the western portion of Lower Windsor Township. Based on available mapping and a field survey, approximately 77 residences exist within this Area.
- 9) Area IX: Area IX is located in the southcentral portion of Lower Windsor Township. The Village of Martinsville and a portion of the Massa Development is located within Area of Concern IX. Based on available mapping and a field survey, approximately 144 residences exist within this Area.
- 10) Area X: Area X is located in the southwestern portion of Lower Windsor Township. The Village of Bittersville is located within Area of Concern X. Based on available mapping and a field survey, approximately 165 residences exist within this Area.
- 11) Area XI: Area XI is located in the southwestern corner of Lower Windsor Township. Based on available mapping and a field survey, approximately 117 residences exist within this Area.

Table 2.4 summarizes the assumed flows generated by the on-lot subsurface disposal systems in Lower Windsor Township by Area.

TABLE 2.4
LOWER WINDSOR TOWNSHIP
ASSUMED ON-LOT SUBSURFACE DISPOSAL FLOWS PER AREA

AREA	POPULATION PER AREA*	PER CAPITA FLOW (gpcd)	FLOW PER AREA (gpd)
I	571	100	57,100
II	576	100	57,600
III	166	100	16,600
IV	230	100	23,000
V	201	100	20,100
VI	217	100	21,700
VII	694	100	69,400
VIII	206	100	20,600
IX	386	100	38,600
X	442	100	44,200
XI	314	100	31,400
Remainder of Township	3,320	100	332,000
TOTAL	7,305**	100	730,500

* Based on 1990 census figure of 2.68 persons/housing unit and the projected 1993 population of Lower Windsor Township.

** Refer to Table 2.3 - Population Projections.

2. Stream Segments Adversely Affected by Inadequate Wastewater Treatment:

No adverse impacts to stream segments were observed in Lower Windsor Township.

3. On-Lot Subsurface Disposal System Malfunctions:

- a. General Discussion - On-lot subsurface disposal systems are, in essence, discharges to the groundwater. A primary concern in the design of an on-lot subsurface disposal system is the suitability of the soils in the disposal field area. The soil acts as the means of renovating the wastewater through physical, chemical and biological processes prior to the wastewater reaching the groundwater table. Malfunctions of subsurface disposal systems occur when the wastewater permeates too quickly through the soil layer resulting in inadequately renovated wastewater reaching the groundwater table and subsequently, degrading groundwater quality. Also, malfunctions occur when the wastewater permeates too slowly through the soil resulting in the ponding of wastewater on the surface of the ground.

A review of the soil survey indicates that a majority of the soils mapped in Lower Windsor Township are suitable for use in on-lot subsurface sewage disposal systems.

Exhibit II-2 identifies areas of Lower Windsor Township where use of on-lot subsurface sewage disposal systems would be unsuitable, due to their being located within the floodway.

- b. Potential Malfunctioning On-Lot Subsurface Disposal Systems
A survey of Lower Windsor Township was performed in an effort to identify potential direct discharges of sanitary or gray water to streams, culverts, and ditches and potential surface malfunctions. Exhibit II-4 and Table 2.5 identify the Potential Malfunctioning On-lot Disposal Systems observed. In addition, the results of the Soils Survey are presented in Exhibit II-4 in an effort to identify any correlation between observed malfunctions and areas mapped with unsuitable or potentially unsuitable soils.

- c. Potential Malfunctioning On-Lot Subsurface Disposal Systems Based on a Review of Existing Permits - Existing on-lot subsurface disposal permits/applications (from 1972 to present) were made available by Lower Windsor Township. They were reviewed with respect to their meeting present DER Chapter 73 requirements (refer to Appendix IV). Of the permits reviewed, 163 were questioned as to their conformance with present Chapter 73 criteria.

TABLE 2.5
POTENTIAL ON-LOT SUBSURFACE DISPOSAL
SYSTEM MALFUNCTIONS
LOWER WINDSOR TOWNSHIP

AREA	# OF RESIDENCES (APPROX.)	OBSERVED MALFUNCTION TYPE	
		SURFACE MALFUNCTION	DIRECT DISCHARGE
I	213	3	0
II	215	0	0
III	62	1	0
IV	86	0	0
V	75	0	0
VI	81	0	0
VII	259	0	1
VIII	77	0	0
IX	144	1	0
X	165	1	0
XI	117	4	0
MISC	1,232	2	1
TOTAL	2,726	12	2

A meeting was held on March 3, 1993 between Brinjac, Kambic & Associates and Lower Windsor Township's SEO in order to more clearly define the problem areas throughout the township. Areas with repeated on-lot sewage disposal problems were identified by the SEO. Refer to Appendix I for the meeting notes.

The general location of the permitting deficiencies is discussed below. Also, an attempt was made to correlate the location of the permitting deficiencies with the Areas previously discussed (refer to Exhibit II-4).

- 1) R.D. 1, Red Lion: Generally, this address is used in the northwestern and southwestern corners of Lower Windsor Township. Essentially, this address encompasses Area XI and the Village of Delroy.

Three (3) on-lot permitting deficiencies were identified within the boundary of this address.

- 2) R.D.1, Wrightsville: Generally, this address is used in the area along the Susquehanna River and in the area surrounding the Village of Craley. Essentially, this address completely encompasses Areas V and VII, the majority of Area of Concern II, and a portion of Area of Concern IX.

Fifty-four (54) on-lot permitting deficiencies were identified within the boundary of this address.

- 3) R.D. 2, Wrightsville: In Lower Windsor Township, this address is used in the northeastern corner. This address encompasses a portion of Area I.

Three (3) on-lot permitting deficiencies were identified within the boundary of this area.

- 4) R.D. 1, Windsor: This address is used in the western part of Lower Windsor Township. This address encompasses all of Area VII and a portion of Area VI.

Twenty (20) on-lot permitting deficiencies were identified within the boundary of this address.

- 5) R.D. 2, Windsor: This address is used in the southern part of Lower Windsor Township. This address encompasses portions of Areas IX, X, and XI.

Fifteen (15) on-lot permitting deficiencies were identified within the boundary of this address.

- 6) R.D. 9, York: This address is used in the extreme northwest corner of Lower Windsor Township.

Seven (7) on-lot permitting deficiencies were identified within the boundary of this address.

- 7) R.D. 12, York: This address is used in the northcentral part of Lower Windsor Township. This address encompasses all of Areas III and IV, and portions of Areas I and IV.

Fifty-three (53) on-lot permitting deficiencies were identified within the boundary of this address.

- 8) R.D. 24, York: This address is used in the Northwestern part of Lower Windsor Township.

No on-lot permitting deficiencies were identified within the boundary of this address.

- 9) R.D. 3, Red Lion: This address is used in the northeastern part of Lower Windsor Township. This address encompasses portions of Areas I and II.

One (1) on-lot permitting deficiency was identified within the boundary of this address.

- 10) Unidentified: Six (6) on-lot permitting deficiencies were not identifiable respective to the above addresses.

- d. Lot Sizes - The existing tax maps were reviewed relative to existing lot sizes and the availability of replacement areas. With the exception of the Villages of Martinsville, Craley, Bittersville, Delroy (Sunset View Development), and Canadochly Church, lot sizes are large enough to allow for adequate on-lot replacement areas, assuming suitable sites can be identified. In addition, the residences along the Susquehanna River utilize small lot sizes. Generally lot sizes in these areas are 0.40 acre or less.

4. Preliminary Hydrogeologic Survey:

325 wells were targeted for sampling in Lower Windsor Township. This represented approximately 12% of the permanent residences in the Township, according to the 1990 census.

Next, potential Areas of Concern were identified based on discussions with the Township Supervisors.

Based on the potential areas identified in Exhibit II-5, a target number of samples was set for each area.

Volunteers were sought for well sampling through the use of newspaper advertisements.

Attempts were made to sample all volunteers. The remaining samples were obtained by going door to door in an attempt to meet or exceed the target of samples for each potential Area of Concern. All samples were tested for the following:

- a. Nitrate Nitrogen
- b. Total Coliform Bacteria
- c. Fecal Coliform Bacteria

A representative sample (1 in 10) was tested for fecal streptococcus bacteria. The results of the sampling are summarized in Tables 2.6 through 2.17. Table No. 2.18 indicates the target number of samples, actual samples taken and number of samples tested for fecal streptococcus per Area of Concern. (Refer to Exhibit II-5 for the approximate location of wells tested for each area.)

- a. Well Sampling - General Information - All well samples showed some level of nitrate nitrogen contamination.

Each of the potential contaminants for which tests were conducted is an indicator of specific pollution problems. The significance of each is discussed below:

- b. Nitrate Nitrogen - Nitrates in groundwater have been indicated to cause Methemoglobinemia ("blue baby syndrome") in infants under 2 months of age. High nitrate concentrations in groundwater are common, especially in areas where agricultural land use is predominant.

Primarily, this is due to high fertilizer application levels, which result in the migration of unused nitrates into the groundwater table. This is of particular concern in areas with geological formations with a high potential for nitrate nitrogen groundwater pollution, such as limestone (in which solution channels can form), or highly fractured formations. In these formations, contaminants can rapidly reach the groundwater without the benefit of adequate renovation by the soil. It should be noted that the Environmental Protection Agency (EPA) limit for potability with respect to nitrate - nitrogen is 10 milligrams per liter (mg/l).

- c. Total Coliform Bacteria - Total coliform bacteria are the predominant organism found in the intestinal tract of animals, both warm and cold blooded. The presence of any total coliform bacteria in well water samples indicates non-potability and possible contamination of water from animal sources, but the source cannot be differentiated (i.e. warm blooded animal versus cold blooded animals).

- d. Fecal Coliform Bacteria - Fecal coliform bacteria are that portion of coliform bacteria which survive at temperatures equivalent to that found in the intestines of warm blooded animals. Therefore, the presence of any fecal coliform bacteria in well water samples indicates non-potability and possible contamination from fecal matter of warm blooded animals.

- e. Fecal Streptococcus Bacteria - Fecal streptococcus bacteria are only present in the intestines of warm blooded animals. Therefore, the presence of any fecal streptococci in well water samples indicates non-potability and possible contamination from fecal matter of warm blooded animals.

TABLE 2.6
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - I

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP /100 ml
231	06/03/92		3.15	5	0	
232	06/03/92		1.01	1	0	
233	06/03/92		6.05	5	0	
234	06/03/92	280	9.55	0	0	
235	06/03/92		8.40	0	0	
236	06/03/92		5.75	0	0	
243	06/03/92		1.12	0	0	
244	06/03/92		0.58	0	0	
245	06/03/92	150	17.6	3	0	0
246	06/03/92		11.1	3	0	
247	06/03/92	150	6.40	0	0	0
248	06/03/92		6.80	35	3	
249	06/03/92		16.5	0	0	
250	06/03/92	185	9.70	0	0	
251	06/03/92		9.90	0	0	
252	06/03/92	200	0.98	0	0	
308	06/09/92		11.2	0	0	
309	06/09/92		11.0	0	0	
310	06/09/92	185	7.05	2	0	
311	06/09/92		5.35	11	0	
324	06/09/92		16.1	68	0	
325	06/09/92		5.90	0	0	

TABLE 2.7
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - II

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
215	06/02/92		12.9	0	0	0
216	06/02/92		12.4	1	0	
217	06/02/92	110	14.3	0	0	
218	06/02/92		7.10	0	0	
219	06/02/92		11.1	0	0	
221	06/02/92	18	5.60	0	0	
222	06/02/92		5.45	1	0	0
223	06/02/92	30	3.36	0	0	
224	06/02/92		6.85	3	0	
263	06/04/92		14.0	0	0	
264	06/04/92		0.825	0	0	
265	06/04/92	sp	14.5	0	0	
266	06/04/92	200	7.60	0	0	
267	06/04/92	80	13.7	0	0	
268	06/04/92		3.50	0	0	
269	06/04/92		6.05	0	0	

sp = spring

TABLE 2.8
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - III

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
229	06/03/92		12.9	0	0	
230	06/03/92	100	46.5	1	0	
240	06/03/92		5.95	0	0	
241	06/03/92		8.65	0	0	
279	06/08/92	60	5.95	>80	2	24
280	06/08/92	90	6.35	2	0	
281	06/08/92	70	4.80	1	0	
282	06/08/92	85	7.75	0	0	
283	06/08/92		5.30	7	0	
284	06/08/92	100	7.40	0	0	
285	06/08/92		5.25	1	0	
286	06/08/92	150	3.00	3	1	

TABLE 2.9
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - IV

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
177	05/28/92		4.85	0	0	
178	05/28/92	90	2.70	0	0	
227	06/02/92	30	4.75	1	0	0
242	06/03/92	105	4.55	0	0	0
278	06/04/92		8.35	0	0	
312	06/09/92		5.45	3	0	
313	06/09/92	200	6.80	0	0	
314	06/09/92	210	7.35	0	0	
316	06/09/92		8.25	1	0	
317	06/09/92		6.00	0	0	

TABLE 2.10
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - V

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
200	06/02/92	125	17.4	0	0	
201	06/02/92	200	11.9	10	2	8
202	06/02/92	100	6.35	0	0	
203	06/02/92	200	5.50	0	0	
204	06/02/92		1.89	0	0	
205	06/02/92	180	5.20	0	0	
207	06/02/92		3.78	0	0	
208	06/02/92	sp	10.4	39	3	
209	06/02/92	40	4.25	2	0	
210	06/02/92	50	8.05	0	0	
211	06/02/92	125	6.80	0	0	
212	06/02/92	20	4.55	0	0	
214	06/02/92	60	7.80	4	0	
261	06/04/92		2.79	0	0	
262	06/04/92	65	7.20	0	0	
270	06/04/92		8.60	13	0	
271	06/04/92		5.85	0	0	
272	06/04/92		5.75	0	0	

sp = spring

TABLE 2.11
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - VI

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
180	05/28/92		5.65	0	0	
181	05/28/92		4.90	0	0	
182	05/28/92	80	3.40	1	0	
183	05/28/92		2.23	4	0	
293	06/08/92		8.05	0	0	0
294	06/08/92		5.25	0	0	
295	06/08/92	85	5.50	0	0	
296	06/08/92	180	8.20	1	0	
297	06/08/92	100+	9.15	3	0	
298	06/08/92	200	4.55	46	0	
300	06/08/92	125	7.20	0	0	

TABLE 2.12
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - VII

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
79	05/21/92	202	3.44	0	0	
80	05/21/92		2.32	0	0	
81	05/21/92		2.68	0	0	
82	05/21/92		1.50	0	0	
83	05/21/92		5.95	0	0	
84	05/21/92	90	3.52	0	0	
85	05/21/92	120	4.05	0	0	
86	05/21/92	200	6.30	0	0	
87	05/21/92		7.90	0	0	
88	05/21/92	40	3.22	0	0	
89	05/21/92		18.8	0	0	
90	05/21/92		19.8	0	0	
91	05/21/92		10.6	14	0	
92	05/21/92	90	9.25	0	0	
94	05/21/92	150	11.1	0	0	
95	05/21/92	145	12.0	0	0	
96	05/21/92		6.10	0	0	
97	05/21/92		5.82	0	0	
98	05/21/92		6.20	0	0	
99	05/21/92		6.10	0	0	
100	05/21/92		7.35	0	0	
101	05/21/92	65	7.65	2	0	
102	05/21/92	sp	8.50	0	0	
103	05/21/92	70	9.20	0	0	
104	05/21/92	46	4.50	0	0	
105	05/21/92	160	7.25	0	0	
111	05/26/92		6.20	7	0	
131	05/26/92		6.80	0	0	0
132	05/26/92	80	5.75	0	0	

sp = spring

TABLE 2.12 continued
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - VII

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
133	05/26/92		12.4	0	0	
134	05/26/92	73	9.80	0	0	
135	05/26/92	120	8.15	3	0	
136	05/26/92		18.8	0	0	
137	05/26/92	100	8.0	0	0	0
138	05/26/92		7.75	0	0	
139	05/26/92		6.50	0	0	
153	05/27/92		10.5	0	0	0
154	05/27/92		13.0	0	0	
155	05/27/92		9.00	0	0	0
156	05/27/92	65	12.4	0	0	
157	05/27/92		16.3	0	0	
158	05/27/92		11.5	0	0	
159	05/27/92		5.95	0	0	
160	05/27/92	100	9.20	0	0	
161	05/27/92	300	2.58	0	0	0
162	05/27/92	260	0.800	0	0	
163	05/27/92		17.6	0	0	
164	05/27/92		12.4	0	0	
198	06/02/92		14.0	0	0	
213	06/02/92	55	8.50	0	0	
225	06/02/92	165	10.8	0	0	
273	06/04/92		10.4	0	0	

TABLE 2.13
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - VIII

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
167	05/27/92	55	5.25	0	0	0
168	05/27/92		17.8	0	0	
169	05/27/92		6.40	0	0	
188	05/28/92	165	8.25	0	0	
189	05/28/92	240	7.45	0	0	
190	05/28/92	240	4.20	0	0	
191	05/28/92		10.7	0	0	
192	05/28/92		7.30	0	0	
193	05/28/92	150	9.15	0	0	
194	05/28/92	160	11.1	0	0	
287	06/08/92	175	6.50	0	0	
288	06/08/92	250	1.03	0	0	
289	06/08/92	300	7.65	0	0	

TABLE 2.14
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - IX

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
1	05/18/92	125	3.32	0	0	0
2	05/18/92	300	4.65	0	0	
3	05/18/92		3.38	0	0	
4	05/18/92	210	1.16	0	0	
5	05/18/92	85	12.1	0	0	
13	05/18/92	80	14.4	0	0	0
14	05/18/92	80	11.6	0	0	
15	05/18/92		9.00	0	0	
16	05/18/92		8.45	0	0	
19	05/18/92	150	0.850	0	0	
20	05/18/92		6.70	0	0	
21	05/18/92		10.1	0	0	
22	05/18/92	80	11.2	0	0	
26	05/19/92	178	8.95	0	0	
27	05/19/92	90	13.2	59	2	0
28	05/19/92	90	16.8	0	0	
29	05/19/92	90	10.3	0	0	
30	05/19/92	100	10.5	0	0	
31	05/19/92	72	6.55	7	0	
32	05/19/92		4.05	0	0	
33	05/19/92		8.35	0	0	
54	05/20/92	115	4.45	2	0	
70	05/20/92	340	0.590	0	0	
71	05/20/92		11.8	0	0	
72	05/20/92	150	10.3	0	0	
73	05/20/92		13.0	0	0	
74	05/20/92		7.80	0	0	
187	05/28/92		6.35	0	0	
226	06/02/92		12.0	0	0	
315	06/02/92	100	11.4	0	0	0

TABLE 2.15
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - X

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
6	05/18/92		5.15	0	0	
7	05/18/92	135	17.8	80	28	
8	05/18/92	125	12.8	0	0	
9	05/18/92	90	5.85	0	0	
10	05/18/92		5.25	0	0	0
11	05/18/92	240	8.95	0	0	
12	05/18/92		10.5	0	0	
34	05/19/92		6.25	0	0	
35	05/19/92		10.9	0	0	
36	05/19/92	140	7.60	0	0	
37	05/19/92	200	6.35	7	0	0
39	05/19/92	197	9.05	0	0	
40	05/19/92	185	8.00	0	0	
42	05/19/92		4.15	10	1	0
44	05/19/92	130	4.55	0	0	
45	05/19/92	72	6.80	0	0	
46	05/19/92		10.3	0	0	
47	05/19/92		4.85	cg	0	
48	05/19/92	200	0.67	0	0	
49	05/19/92	80	5.11	1	0	
50	05/19/92	85	1.71	0	0	0
53	05/19/92		1.01	0	0	
64	05/20/92		5.95	0	0	
65	05/20/92		7.60	0	0	
76	05/20/92		6.05	0	0	
77	05/20/92		5.20	0	0	
78	05/20/92	300	3.46	0	0	
184	05/28/92		7.55	0	0	
185	05/28/92	30	10.1	>80	26	
186	05/28/92		8.20	1	0	
274	06/04/92	80	5.25	cg	0	
275	06/04/92		17.0	14	0	
277	06/04/92		4.90	1	0	

cg = confluent growth

TABLE 2.16
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
AREA - XI

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
38	05/19/92		7.40	1	0	
41	05/19/92		20.0	6	0	
43	05/19/92		6.10	0	0	
51	05/19/92		2.77	0	0	
52	05/19/92		2.85	1	0	
55	05/20/92		3.70	0	0	
56	05/20/92	100	4.45	0	0	0
57	05/20/92		3.55	>80	0	
58	05/20/92		3.16	6	0	
59	05/20/92		5.75	0	0	
60	05/20/92	127	4.65	0	0	
61	05/20/92	180	5.40	0	0	
62	05/20/92		5.60	0	0	
63	05/20/92	75	5.40	0	0	
66	05/20/92	76	6.55	0	0	
67	05/20/92	68	6.80	24	0	
68	05/20/92	200	5.15	0	0	
75	05/20/92	150	8.60	0	0	
276	05/20/92	220	6.65	0	0	

TABLE 2.17
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
MISCELLANEOUS LOCATIONS

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
17	05/18/92	110	0.93	1	0	
18	05/18/92		4.45	>80	1	
23	05/18/92		10.2	0	0	
24	05/19/92	110	1.27	0	0	0
25	05/19/92		0.815	0	0	
69	05/20/92		9.20	0	0	
93	05/21/92		11.3	0	0	
106	05/26/92	165	3.16	0	0	0
107	05/26/92	215	2.59	0	0	
108	05/26/92	130	10.3	0	0	
109	05/26/92	260	8.25	0	0	
110	05/26/92		1.16	0	0	0
112	05/26/92	150	4.35	0	0	
113	05/26/92	125	5.00	0	0	
114	05/26/92	160	5.10	0	0	
115	05/26/92		5.65	0	0	0
116	05/26/92		6.00	0	0	
117	05/26/92	200	2.34	2	1	
118	05/26/92	300	0.55	16	0	
119	05/26/92	110	0.50	0	0	
120	05/26/92		2.20	0	0	
121	05/26/92	125	4.15	2	0	
122	05/26/92	90	4.10	0	0	
123	05/26/92		4.80	0	0	
124	05/26/92	220	7.40	0	0	
125	05/26/92	150	4.10	0	0	
126	05/26/92		5.55	0	0	
127	05/26/92		8.25	0	0	
128	05/26/92		2.64	1	0	
129	05/26/92		4.65	0	0	
130	05/26/92	148	3.08	2	0	
140	05/26/92	40	8.15	>80	10	
141	05/26/92		10.6	0	0	
142	05/26/92	140	12.8	5	0	
143	05/26/92	180	7.35	24	0	0

TABLE 2.17 continued
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
MISCELLANEOUS LOCATIONS

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
144	05/26/92		3.45	0	0	
145	05/27/92		0.90	0	0	0
146	05/27/92		9.10	0	0	
147	05/27/92	190	1.90	0	0	
148	05/27/92	135	3.38	0	0	
149	05/27/92		5.65	43	0	
150	05/27/92	280	3.30	0	0	
151	05/27/92		6.80	1	0	
152	05/27/92		5.25	0	0	
165	05/27/92		6.10	0	0	
166	05/27/92		0.28	0	0	
170	05/27/92	300	12.0	0	0	
171	05/27/92		12.9	0	0	
172	05/28/92	150	7.50	0	0	
173	05/28/92	100	6.80	0	0	
174	05/28/92	105	7.75	0	0	
175	05/28/92		7.70	2	0	
176	05/28/92	sp	4.60	0	0	
179	05/28/92		2.70	0	0	
195	05/28/92	125	6.00	0	0	
196	05/28/92	215	4.30	0	0	
197	05/28/92	260	3.35	0	0	
199	06/02/92		11.3	0	0	
206	06/02/92	150	2.36	2	0	
220	06/02/92	80	16.2	0	0	
228	06/03/92	99	12.20	0	0	0
237	06/03/92	90	6.20	4	0	0
238	06/03/92	100	6.65	1	0	
239	06/03/92		7.60	22	2	
253	06/04/92	60	14.5	0	0	
254	06/04/92		18.0	0	0	
255	06/04/92		3.61	0	0	
256	06/04/92	280	0.79	17	0	
257	06/04/92		19.6	0	0	

sp = spring

TABLE 2.17 continued
LOWER WINDSOR TOWNSHIP
WELL SAMPLING DATA
MISCELLANEOUS LOCATIONS

#	SAMPLE DATE	WELL DEPTH feet	NITRATE NITROGEN mg/l as N	TOTAL COLIFORM / 100 ml	FECAL COLIFORM / 100 ml	FECAL STREP / 100 ml
258	06/04/92	280	3.31	0	0	
259	06/04/92		4.90	0	0	
260	06/04/92		8.40	0	0	
290	06/08/92	300	4.55	0	0	0
291	06/08/92	75	7.20	0	0	
292	06/08/92		2.80	0	0	
299	06/08/92	94	8.05	0	0	0
301	06/08/92		8.15	0	0	
302	06/08/92		7.75	0	0	
303	06/08/92	140	10.7	0	0	
304	06/08/92		9.25	17	0	
305	06/09/92		6.85	0	0	
306	06/09/92	75	6.05	4	0	0
307	06/09/92	100	16.0	0	0	
318	06/09/92		15.5	0	0	
319	06/09/92		6.40	13	0	
320	06/09/92	sp	7.85	13	2	
321	06/09/92	106	19.5	0	0	
322	06/09/92		8.20	0	0	
323	06/09/92		7.75	0	0	

sp = spring

TABLE 2.18
GROUNDWATER SAMPLING
LOWER WINDSOR TOWNSHIP, YORK COUNTY

SAMPLING AREA NO.	TARGET NO. OF SAMPLES	ACTUAL NO. OF SAMPLES	TARGET NO. OF SAMPLES TESTED FOR FECAL STREPTOCOCCUS	ACTUAL NO. OF SAMPLES TESTED FOR STREPTOCOCCUS
I	20	22	2	2
II	15	16	1	2
III	15	12	1	1
IV	15	11	2	2
V	20	19	2	2
VI	10	10	1	1
VII	55	58	6	6
VIII	15	14	1	1
IX	35	30	4	4
X	35	35	4	4
XI	15	17	1	1
MISC	75	81	8	10
TOTAL	325	325	33	36

f. Summary of Results - Preliminary Hydrogeologic Survey - Refer to Tables 2.6 through Table 2.17 for the well sampling results for each Area of Concern.

5. Wastewater Treatment and Disposal Needs Summary:

To summarize the needs documented above, a matrix analysis is presented for the Areas of Concern (refer to Table 2.19). It should be noted that miscellaneous locations are not considered within the matrix due to minimal needs documented and to the large land area involved.

Essentially, the matrix analysis assigns a numerical value to each category within an Area of Concern. A plus one (+1) is assigned to a category if substantial concerns were indicated, zero (0) if the documentation was nonconclusive, and a minus one (-1) if minimal or no concerns were indicated. The values for each Area of Concern are totaled. A positive total indicates substantial need may exist. A total of zero (0) or a negative total indicates that substantial need may not exist.

It should be noted that this matrix analysis does not weight the values of each category. Therefore, a total of zero (0) or a negative total does not absolutely indicate that need does not exist. Each Area should be examined to determine if the need documented is sufficiently great to require classification as a possible substantial need. A detailed description for each of the matrix analysis criteria is presented in the following:

Potential Malfunctions:

- +1, Malfunctions were observed and, the location of the Area of Need is within an area with documented on-lot permitting deficiencies.
- 0, Either malfunctions were observed or, the Area of need is located within an area with documented on-lot permitting deficiencies.
- 1, No malfunctions were observed and, the Area of Need is not located within an area with documented on-lot permitting deficiencies.

Stream Segment:

- +1, DER documented impacts to stream segments due to improperly treated wastewater (either from STP's or on-lot systems) being discharged.
- 0, Observed or documented impacts to stream segments (other than DER documentation).
- 1, No documented or observed stream segment impacts.

TABLE 2.19
SUMMARY OF NEEDS
LOWER WINDSOR TOWNSHIP

AREA	CATEGORY							TOTAL
	pot. malf.	str. seg.	well con.	pop. den.	soils	geol.	dev. pot.	
I	+1	-1	0	-1	-1	-1	+1	-2
II	0	-1	+1	+1	+1	-1	0	+1
III	+1	-1	+1	-1	-1	+1	+1	+1
IV	0	-1	0	+1	-1	+1	+1	+1
V	0	-1	0	-1	+1	+1	0	0
VI	0	-1	+1	-1	0	+1	0	0
VII	+1	-1	+1	+1	+1	-1	+1	+3
VIII	0	-1	-1	-1	-1	-1	+1	-4
IX	0	-1	0	+1	+1	-1	0	0
X	+1	-1	+1	+1	-1	-1	0	0
XI	+1	-1	0	-1	0	-1	0	-2

+1 = CONCERNS INDICATED
0 = NONCONCLUSIVE
-1 = MINIMAL CONCERNS INDICATED

Pot. Malf. Potential Malfunctioning of On-Lot Subsurface Disposal Systems - Observed Malfunctions and On-Lot Permitting Deficiencies

Str. Seg. Stream Segments Impacted

Well Con. Well Contamination in Excess of EPA Potability Requirements

Pop. Den. Population Density/Lot Sizes

Soils Suitability of Soils for On-Lot Subsurface Disposal

Geol. Geological Formations Conducive to Groundwater Contamination

Dev. Pot. Development Potential

Well Contamination:

- +1, 30% or greater of the wells tested exhibiting contamination in excess of the EPA potability requirements.
- 0, 10% to 29% of the wells tested exhibiting contamination in excess of the EPA potability requirements.
- 1, Less than 10% of the Wells tested exhibiting contamination in excess of the EPA potability requirements.

In addition to the above criteria for well contamination, all sampled wells were evaluated for their proximity (within 100 feet), to agricultural lands and municipal sludge application areas. Agricultural lands were identified by mapping from the Lower Windsor Township Comprehensive Plan and by field surveys.

A review of DER records provided information concerning the seven (7) public water supply (PWS) systems located in Lower Windsor Township. These systems provide potable water for the Zeigler, Barry, Ravers, Shalako, Margaretta, Seitz and Snyder Mobile Home Parks. Data was gathered to determine the raw water quality and to make correlations, if any, between these water sources and the water quality of the sampled wells. The PWS systems have no adverse effects on the wells sampled.

A brief summary of the well testing findings is presented below:

- 1) Area I - Of the 22 wells tested, 12 samples indicated contamination, however 7 of those could be contributed to their close proximity to agricultural lands. After excluding these wells, there are 23% of contaminated wells within the area.
- 2) Area II - Of the 16 wells tested, 9 samples indicated contamination, however 4 of those could be contributed to their close proximity to agricultural lands. After excluding these wells, there are still greater than 30% of contaminated wells within the area.
- 3) Area III - Of the 12 wells tested, 8 samples indicated contamination, however 4 of those could be contributed to their close proximity to agricultural lands. After excluding these wells, there are still greater than 30% of contaminated wells within the area.
- 4) Area IV - Of the 10 wells tested, 3 samples indicated contamination, however 1 of those could be contributed to its close proximity to agricultural lands. After excluding this well, there are 20% of contaminated wells within the area.

- 5) Area V - Of the 18 wells tested, 6 samples indicated contamination, however 1 of those could be contributed to its close proximity to agricultural lands. After excluding this well, there are 28% of contaminated wells within the area.
- 6) Area VI - Of the 11 wells tested, 5 samples indicated contamination, however 1 of those could be contributed to its close proximity to agricultural lands. After excluding this well, there are still greater than 30% of contaminated wells within the area.
- 7) Area VII - Of the 52 wells tested, 20 samples indicated contamination, however 3 of those could be contributed to their close proximity to agricultural lands. After excluding these wells, there are still greater than 30% of contaminated wells within the area.
- 8) Area VIII - Of the 13 wells tested, 3 samples indicated contamination. All 3 of those could be contributed to their close proximity to agricultural lands.
- 9) Area IX - Of the 30 wells tested, 16 samples indicated contamination, however 12 of those could be contributed to factors such as close proximity to agricultural lands and sludge application areas. After excluding these wells, there are 13% of contaminated wells within the area.
- 10) Area X - Of the 33 wells tested, 14 samples indicated contamination, however 3 of those could be contributed to their close proximity to agricultural lands. After excluding these wells, there are still greater than 30% of contaminated wells within the area.
- 11) Area XI - Of the 19 wells tested, 6 samples indicated contamination, however 1 of those could be contributed to its close proximity to agricultural lands. After excluding this well, there are 26% of contaminated wells within the area.

Population Density / Lot Sizes:

- +1, A significant number of subdivided properties (as per the tax maps) with lot sizes less than 0.5 acre.
- 0, Lot sizes generally ranging from 0.5 acre to 1.0 acre (as per the tax maps).
- 1, Lot sizes generally greater than 1.0 acre (as per the tax maps).

Soils Suitability:

- +1, Significant areas (especially with respect to existing population clusters) of soils mapped unsuitable and/or potentially unsuitable for on-lot disposal.
- 0, Significant areas of soils mapped unsuitable and/or potentially unsuitable for on-lot disposal with minimal impact on existing population clusters.
- 1, Significant areas of soils mapped suitable or potentially unsuitable (with minimal impact on existing population clusters). Note that small pockets of unsuitable soils with no impact on existing population clusters can be present (i.e. Area VIII). The pocket of unsuitable soil must be located a significant distance from existing population clusters.

Geology:

- +1, Significant areas (especially with respect to existing population clusters) with geological formations indicated which are conducive to groundwater contamination.
- 0, Geological formations indicated which are conducive to groundwater contamination but with minimal impact on existing population clusters.
- 1, No geological formations indicated which are conducive to groundwater contamination.

Development Potential:

- +1, Significant development potential exhibited due to location with respect to existing population centers, accessibility to services, accessibility to areas of business and employment, available land, zoning, soils suitability, etc.
- 0, Uncertain development potential due to location with respect to existing population centers, lack of accessibility to services and areas of business and employment, unavailability of land, zoning restrictions, soils suitability, etc.
- 1, Minimal development potential due to deficiencies with respect to location, accessibility, land area, zoning, soils suitability, etc.

A brief discussion of the Summary of Needs is presented below.

- a. Area I - For Area I, the results of the Summary of Needs indicates minimal needs exist overall. A review of the conditions within Area I indicate that sanitary sewers may

eventually be required if Area I is to meet its full development potential. However, the needs documented are not substantial enough to warrant consideration of sewers at this time. Therefore, Area I is considered a Long Term Need.

- b. Area II - For Area II, the results of the Summary of Needs indicates substantial need. Therefore, Area II is considered a Short Term Need.
- c. Area III - For Area III, the results of the Summary of Needs indicates substantial need. Therefore, Area III is considered a Short Term Need.

Due to the needs identified, its proximity to Area III and its population density, the Village of Delroy will be considered as part of Area III in the Alternatives Evaluation (Chapter III).

- d. Area IV - For Area IV, the results of the Summary of Needs indicates substantial need exists. Therefore, Area IV is considered a Short Term Need.

Due to the needs identified and its proximity to Area IV, the area immediately south of Margaretta Furnace will be considered as part of Area IV in the Alternatives Evaluation (Chapter III).

- e. Area V - For Area V, the results of the Summary of Needs are nonconclusive. Considering this, Area V is considered a Long Term Need.
- f. Area VI - For Area VI, the results of the Summary of Needs are nonconclusive. Considering this, Area VI is considered a Long Term Need.
- g. Area VII - For Area VII, the Summary of Needs indicated substantial need. Therefore, Area VII is considered a Short Term Need.

Due to the needs identified and its proximity to Area VII, the Gilbert Heights Development will be considered as part of Area VII in the Alternatives Evaluation.

- h. Area VIII - For Area VIII, the Summary of Needs indicates minimal need exists. Therefore, Area VIII is considered a Long Term Need.
- i. Area IX - For Area IX, the results of the Summary of Needs are nonconclusive. Therefore, Area IX is considered a Long Term Need.

- j. Area X - For Area X, the results of the Summary of Needs are nonconclusive. Nearly one third of the wells sampled indicated contamination, excluding those attributed to close proximity to agricultural lands, therefore, Area X is considered a Short Term Need.
- k. Area XI - For Area XI, the Summary of Needs indicates minimal need exists. Therefore, Area XI is considered a Long Term Need.

CHAPTER III
ALTERNATIVES EVALUATION

A. SUMMARY OF WASTEWATER TREATMENT AND DEVELOPMENT NEEDS

To more efficiently evaluate alternatives to meet the needs identified in Chapter II for Lower Windsor Township, the following summary is provided:

1. Short Term Needs:

Provide adequate wastewater treatment and disposal capabilities for the following areas of Lower Windsor Township. Being Short Term Needs, these needs are more immediate and require detailed evaluations respective to their mitigation.

- a. Area II *(Lower Level)*
- b. Area III (Including the Village of Delroy)
- c. Area IV (Including the Developments south of Margareta Furnace)
- d. Area VII (Including the Gilbert Heights Development)
- e. Area X

2. Long Term Needs:

Evaluate the provision of appropriate wastewater treatment and disposal capabilities for the following areas of Lower Windsor Township. Being Long Term Needs, the evaluations will be more cursory in nature with the objective of providing the most practical solutions to these Needs for both the immediate future and over a longer planning period.

- a. Area I
- b. Area V
- c. Area VI
- d. Area VIII
- e. Area IX
- f. Area XI
- g. Remainder of Township

3. Septage Handling:

Evaluate provided recommendations respective to the provision of adequate septage handling within Lower Windsor Township.

B. PROJECTED WASTEWATER FLOWS

1. Based upon the population projections presented in Table 2.4 and the Long and Short Term Needs summarized above, flow projections have been prepared for 5, 10 and 20 year planning periods (1997, 2002 and 2012 design years respectively). Flow projections are presented in Table 3.1 for Areas I through XI as well as the entire Township.

C. ALTERNATIVES DEVELOPMENT AND SCREENING

Alternatives will be developed and screened with respect to mitigating the Short and Long term needs of Lower Windsor Township.

Particular attention will be paid to mitigating the Short Term (i.e. more immediate) Needs.

The categories of alternatives to be screened shall include the No Action Alternative, On-Lot Management Alternatives, Non-Structural Comprehensive Planning Alternatives, and Collection, Conveyance, and Treatment.

1. No Action Alternative:

The No Action Alternative is essentially self-explanatory. It involves making no change to the present means of handling wastewater treatment/disposal needs. Unless an area has minimal identified wastewater disposal needs or development needs, it would be difficult to justify the implementation of the No Action Alternative.

Also, the results of the No Action Alternative are self-explanatory. The present state of need would continue for both the short and long term. If minimal needs exist, no substantial environmental, public health, and/or economic impact would be likely. If serious needs exist substantial environmental, public health, and/or economic impact could be possible.

With respect to the No Action Alternative and the need areas identified, the following can be concluded:

- a. Short Term Needs - The No Action Alternative would not be appropriate. The present trend of environmental degradation in Areas II, III, IV, and VII, and X would continue with both adverse impacts on the environment and public health.
- b. Long Term Needs - Although not recommended, the No Action Alternative would pose less threat to both public health and environmental quality if implemented for Areas I, V, VI, VIII, IX, XI, and the remainder of the Township. The No Action Alternative would not be recommended since groundwater degradation was identified in each area.

TABLE 3.1
LOWER WINDSOR TOWNSHIP
WASTEWATER FLOW PROJECTIONS

AREA	DESIGN YEAR							
	1992		1997		2002		2012	
	POP	FLOW (gpd) **	POP	FLOW (gpd) **	POP	FLOW (gpd) **	POP	FLOW (gpd) **
I	571	57,100	621	62,100	670	67,000	770	77,000
II	576	57,600	626	62,600	676	67,600	776	77,600
III*	584	58,400	635	63,500	686	68,600	787	78,700
IV*	377	37,700	410	41,000	443	44,300	508	50,800
V	201	20,100	218	21,800	236	23,600	271	27,100
VI	217	21,700	236	23,600	255	25,500	293	29,300
VII*	962	96,200	1,046	104,600	1,129	112,900	1,297	129,700
VIII	206	20,600	224	22,400	242	24,200	278	27,800
IX	386	38,600	420	42,000	453	45,300	520	52,000
X	442	44,200	480	48,000	519	51,900	596	59,600
XI	314	31,400	341	34,100	369	36,900	423	42,300
MISC*	2,487	248,700	2,703	270,300	2,920	292,000	3,353	335,300
TOTAL	7,305	730,500	7,960	796,000	8,598	859,800	9,872	987,200

* Adjusted based on modified Areas of Concern (Refer to Chapter II).

** BASED ON 100 GALLONS PER CAPITA PER DAY (gpcd).

- c. Septage Handling - With the implementation of the No Action Alternative, septage handling in Lower Windsor Township would essentially continue as present. Although there is not a critical need for septage disposal sites at this time in Lower Windsor Township, the provision of such facilities is advisable.

2. On-Lot Management Alternatives:

On-Lot Management Alternatives involve the consideration of local agency program modifications; repair; replacement or upgrade of malfunctioning on-lot systems; cluster systems; retaining tanks; and a Township on-lot management program with respect to mitigating the short and long term needs of Lower Windsor Township.

- a. Local Agency Program Modifications - The existing Local Agency Program in Lower Windsor Township was reviewed (refer to Chapter II) with the intent of documenting deficiencies in the program. Existing On-Lot Permits/Applications were made available by the Township. The review indicated that On-Lot Permits are issued in accordance with DER Chapter 73, with the exception of some repairs. Best Technical Guidance is used in situations where the physical conditions are such that a repair cannot be made in accordance with DER Chapter 73.

- b. Repair, Replacement or Upgrade of Malfunctioning On-Lot Systems - Repair, replacement or upgrading of malfunctioning On-Lot Systems Alternative considers the likelihood of being able to repair, replace or upgrade on-lot systems which are presently malfunctioning. Also, the likelihood of this Alternative being successful in mitigating future malfunctions that could occur is considered. The feasibility of this alternative to mitigate both Short Term and Long Term Needs is discussed as follows:

- 1) Short Term Needs: Within Areas II, III, IV, VII, and X the Repair, Replacement, or Upgrading of Malfunctioning On-Lot System Alternatives is not feasible. Insufficient land area exists in portions of the Villages of Craley, Bittersville, Long Level, Delroy, and Canadochly Church for adequate replacement areas.

Also, groundwater degradation was identified in Areas II, III, IV, VII, and X. Although agricultural runoff cannot be ruled as a significant source of the groundwater contamination. It is possible that adequate land area is available for replacement systems for selected properties in the above referenced areas, however, for those properties lacking space, an alternative is the installation of a retaining tank which is discussed further in the plan.

- 2) Long Term Needs: Considering the available land area, it is conceivable that the Repair, Replacement, or Upgrading of Malfunctioning On-Lot Systems Alternative could be effective in mitigating on-lot malfunctions for the foreseeable future. It should be noted, that the soils mapped in these areas are generally conducive to on-lot disposal.

Considering the above, the Repair Replacement, or Upgrade of Malfunctioning On-lot Systems is feasible for Areas I, V, VI, VIII, IX, XI, and the remainder of Lower Windsor Township.

- c. Cluster Systems - Cluster systems are small community systems which collect sewage from several homes with treatment and disposal via a community on-lot subsurface disposal system; a community holding tank; a small package wastewater treatment plant with land application; or a small package wastewater treatment plant with stream discharge.

The feasibility of Cluster Systems with respect to mitigating the Short and Long Term Needs is as follows:

- 1) Short Term Needs: Considering that groundwater degradation was evident throughout Lower Windsor Township, the use of the Cluster System Alternative with community on-lot subsurface disposal or land application technology is not advisable for Areas II, III, IV, VII, and X.

For the on-lot disposal system to operate, suitable soils are required and field investigations are required to locate the soils. A predominant concern with this type of system is the size of the absorption area, which could easily be 20,000 to 100,000 square feet, depending on the anticipated flow rate, percolation rate, topography and limiting zone, as well as the need for a replacement area. An additional concern is the effect on the number of residents should the system fail.

With regard to a community holding tank, the predominant concern is the costs involved in pumping and hauling for each residence.

Considering the past rate of growth and the future development potential of much of Lower Windsor Township, the use of the Cluster System Alternative with small package wastewater treatment systems is not considered feasible for Areas II, III, IV, VII, and X.

- 2) Long Term Needs: At this time the use of the Cluster System Alternative would be limited in Areas I, V, VI, VIII, IX, XI, and the remainder of Lower Windsor Township based on the limited need documented. Although, in the future, this Alternative could be useful especially if

malfunctioning on-lot systems occur in isolated pockets throughout the Township.

- d. Retaining Tanks - Retaining tanks are structures such as holding tanks, which are used to collect and hold wastewater. Wastewater is then periodically removed and disposed of either at a wastewater treatment facility or a permitted land application site. Retaining tank technology is typically considered a temporary measure until some permanent means of disposal is provided. Seasonal homes can utilize retaining tank technology with minimal inconvenience, but retaining tanks used for permanent residences are both an inconvenience and expensive. The cost for a 1000 gallon holding tank which is used to serve one residence is approximately \$1500 for the complete installation and pumping costs are approximately \$105 for 1000 gallons. Assuming that the average residence has their holding tank pumped out on a weekly basis, the cost per year is estimated at \$5500. This cost figure can fluctuate based on the actual water usage within the home. A greater usage will result in more pumping and less usage will prolong the need for pumping. The feasibility of the use of retaining tanks to mitigate the Short and Long Term Needs of Lower Windsor Township is as follows:

- 1) Short Term Needs: Respective of the magnitude of need documented for Areas II, III, IV, VII and X, the use of retaining tanks on a large scale would be inappropriate.
- 2) Long Term Needs: Considering the need documented in Areas I, V, VI, VIII, IX, XI and the remainder of the Township, the use of retaining tanks could be feasible on a limited basis. This is especially the case if no other means of mitigating a malfunction is available. One concern with the use of retaining tanks is the availability of appropriate disposal sites (i.e. permitted land application sites, landfills, or wastewater treatment plants capable of accepting and treating septage).

- e. Township On-Lot Management Program - A Township on-lot management program involves the institution of increased local government controls concerning the operation and maintenance of on-lot subsurface disposal systems. The controls could take the form of ordinances requiring the periodic inspection, pumping, and proper disposal of septic tank contents.

The Township On-Lot Management Program could involve the following:

- 1) Adoption of an ordinance governing on-lot septic tank operation and maintenance (refer to Appendix V). Specific requirements of the ordinance are as recommended below:
 - a) An initial inspection of all on-lot systems in Lower Windsor Township by Township employees or other agent within six (6) months of the enactment of the

Ordinance. The inspection will be for obvious malfunctions, need of pumping of the septic tank, location, accessibility, etc.

- b) If a septic tank requires pumping, a letter would be issued to the property owner indicating the need to obtain a permit which is required for having a septic tank pumped.
 - c) If the system has an obvious malfunction, the information shall be turned over to the Township's Sewage Enforcement Officer (SEO) for mitigation.
 - d) If the system is determined to be inaccessible, the property owner shall be notified of the problem and appraised of his requirements to make the system accessible for both inspection and regular maintenance (i.e. pumping). In addition, the property owner would be required to contact the SEO prior to any work being performed to make the system accessible.
 - e) If an on-lot system cannot be located, the information shall be turned over to the SEO for resolution.
- 2) Upon the completion of the initial inspection, an inspection schedule shall be established. Generally, inspection by a Township employee or other agent and pumping of on-lot systems shall occur once every three (3) years although more frequent inspection and pumping may be required due to the size of the septic tank or if a holding tank is used. An inspection permit would be required prior to having the tank pumped (refer to item 1 above). An estimate of annual septage sludge production under an on-lot management system is presented in Table 3.7
- 3) All pumpers/haulers shall be licensed. Licenses shall be required to be renewed yearly. As part of the licensing process the pumper/hauler shall be required to show proof of a legal means of septage disposal.
- a) As part of his services, the pumper/hauler shall inspect the inlets, outlets, baffles and structural integrity of the septic tank. If problems are noted the information shall be turned over to the SEO for resolution.
- 4) Concerning repair of malfunctions, it is intended that all repairs be made in accordance with DER Chapter 73 unless physically impossible. In these circumstances best technical guidance would be used. Any new system installed would be performed in conjunction with the Township SEO.

- 5) Adoption of an ordinance setting standards for well drilling (refer to Appendix V).
- 6) A public education program to educate the Township residents why the proper maintenance of an on-lot system is required. This program would also inform new residents of their responsibilities under the program. The education program should include information on water conservation measures and proper operation which would help to prolong the life of on-lot systems.
- 7) Under this program, the Township would continue to maintain records on the malfunction problems to determine when and if malfunctions continue to take place as before the program was established. If this was the case, alternative methods of sewage disposal such as collection and treatment would require investigation and possibly implementation.

A projection of the Annual Costs for the On-Lot Management Program is presented in Table 3.8. The Annual Cost is the average cost per septic system inspected/pumped assuming that the system is pumped every three (3) years.

- 8) Short Term Needs: For Areas II, III, IV, VII, and X, an on-lot management program would be helpful in that the operation of existing on-lot systems would be maximized, but little would be accomplished relative to ultimately mitigating the need documented.

Therefore, The On-lot Management Program Alternative could be given consideration, or other more expensive alternatives would be available with respect to Areas II, III, IV, VII, and X.

- 9) Long Term Needs: Considering the need documented in Areas I, V, VI, VIII, IX, XI, and the remainder of Lower Windsor Township, an on-lot management program would be useful. As previously stated, an on-lot management program would maximize the operation of on-lot systems in these areas. Possible effects of this would be longer on-lot system life and subsequently less frequent malfunctions. Also, considering the groundwater degradation documented throughout Lower Windsor Township, an on-lot management program would be advisable.

Considering the above, the On-Lot Management Alternative is considered feasible for Areas I, V, VI, VIII, IX, XI, and the remainder of Lower Windsor Township.

3. Non-Structural Comprehensive Planning:

Comprehensive planning under Act 247 involves the preparation of a plan considering all aspects relative to a Municipality's continued healthy growth and development. Comprehensive planning

considers the needs with respect to public utilities and services, but more importantly considers land use issues, particularly with respect to public health, protecting environmentally sensitive areas, and promoting efficient economic growth and development. Additionally, land use ordinances such as zoning ordinances, or Subdivision/Land Development Ordinances can be enacted or revised, based on results of a comprehensive plan. Zoning ordinances attempt to direct types of development within a municipality to areas that are suitable for such development.

With respect to mitigating the need identified in Lower Windsor Township, the following is presented:

- a. Short Term Needs - Considering Areas II, III, IV, VII and X, modifications to the existing Lower Windsor Township Comprehensive Plan would be of little affect in mitigating the identified need. Although, it would be in the Township's best interest to implement the recommendations of their Comprehensive Plan in the form of adopting a zoning ordinance consistent with the Lower Windsor Township Comprehensive Plan.

This would be especially useful in encouraging appropriate development with respect to specific land use capabilities.

Therefore, it is recommended that a zoning ordinance consistent with the land use recommendations of the Lower Windsor Township Comprehensive Plan be adopted and implemented.

- b. Long Term Needs - As stated above, it is recommended that a Zoning ordinance consistent with the land use recommendations included in the Lower Windsor Township Comprehensive Plan be adopted and implemented.

4. Collection, Conveyance, and Treatment:

Collection, Conveyance, and Treatment Alternatives involve the evaluation and development of wastewater collection, conveyance and treatment alternatives. Innovative and Alternative Technologies will be included in this evaluation as per the Federal Facilities Planning Requirements under the Pennvest State Revolving Fund.

Specific categories to be evaluated with respect to Collection, Conveyance, and Treatment are Regionalization, Municipal Ownership of Non-Municipal Facilities, and Construction of New Collection, Conveyance, and Treatment Facilities. Also, sludge management and disposal shall be discussed.

- a. Regionalization - Regionalization involves the provision of centralized wastewater treatment and disposal. Collection and Conveyance Facilities tributary to a centralized treatment and disposal facility under a regional approach usually serve several municipal entities or drainage basins. The advantages of regionalization are that operation and maintenance costs

may be lower than having separate treatment facilities, due to the economy of scale. Drawbacks are that high population densities are required to support the extensive capital construction costs, collection and conveyance facilities.

- 1) Short Term Needs: A regional alternative for providing sanitary sewage service to Areas II, III, IV, VII, and X would involve the construction of a wastewater treatment facility at the confluence of Bull Run with the Susquehanna River (southeast corner of Lower Windsor Township). The discharge would be approximately 500,000 gallons per day (gpd) to the Susquehanna River.

Although Areas V and IX are considered Long Term Needs, they have been included in the regionalization analysis of the Short Term Needs due to the fact that the proposed sewer lines would be constructed through these areas.

Exhibit III-1 proposes a regional alternative for serving all Short Term Needs Areas. Exhibit III-1 would require approximately 266,000 lineal feet (LF) of gravity sanitary sewer and interceptor (\$10,640,000); approximately 11,000 LF of force main (\$550,000); two (2) pumping stations (\$50,000); and a 475,000 gpd secondary wastewater treatment plant (\$1,995,000). Total construction costs for such a facility would be approximately \$13,235,000, not including engineering costs, legal and fiscal costs, and other non-construction costs.

Based on the cost of such a facility, the regional approach is eliminated from further consideration.

- 2) Long Term Needs: For Areas I, VI, VIII and XI, the regional approach to sanitary sewage collection, conveyance, and treatment may be feasible in the future assuming facilities become available for the Short Term Needs Areas. At this time, insufficient need was documented to justify the use of the regional approach.

- b. Municipal Ownership of Non-Municipal Facilities - Municipal Wastewater Collection and Treatment Facilities in Lower Windsor Township were identified and discussed in Chapter II (refer to Exhibit II-5).

- 1) Short Term Needs: Of the existing non-municipal wastewater collection and treatment facilities discussed in Chapter II, with the exception of the Margareta Furnace Mobile Home Park wastewater treatment plant, none are located in the proximity of Areas II, III, IV, VII, and X.

The Margareta Furnace Mobile Home Park wastewater treatment plant is located in the vicinity of Area IV. Consideration of the connection of Area IV to the Margareta Furnace Mobile Home Park plant would not be

feasible due to the capacity projected to be required to serve Area IV (approximately 50,000 gpd).

Therefore, this alternative is not a feasible means of meeting the documented needs of Areas II, III, IV, VII, and X.

- 2) Long Term Needs: None of the existing non-municipal facilities identified in this Chapter are located in the proximity of Areas V, VI, VIII, IX, and XI. The Eastern York County High School facility is located within Area I. The use of this facility to meet the future needs of Area I could be feasible depending on the location and extent of future development within Area I. It is recommended that any conclusions with respect to the use of this facility to serve a portion of Area I be reserved until such time as additional development requires its consideration.

c. New Wastewater Collection, Conveyance and Treatment Facilities
- The New Wastewater Collection, Conveyance and Treatment Facilities Alternative considers the use of facilities dedicated for each area or on a subregional basis.

- 1) Short Term Needs: As previously stated, innovative and alternative (I/A) technology and conventional technology will be considered for each Area.

- a) Collection: With respect to collection facilities, both conventional gravity sewers and small diameter variable grade sewers would be feasible technology for Areas II, III, IV, VII, and X. Conventional gravity sewers use a minimum 8" diameter piping with manholes every 400 feet (maximum). Small diameter variable grade sewers are considered I/A technology. Essentially, I/A sewer technology requires some means of treatment (grinding, settling, etc.) prior to discharge to the sewer main. Small diameter variable grade sewers utilize individual septic tanks to remove solids prior to discharge of the sewage into the gravity sewer main. The removal of solids allows for down sized sewer mains also, slope becomes less critical since scouring velocities need not be maintained. In addition, cleanouts can be substituted for manholes throughout much of the collection system.

Based on topography and location, the following service areas are proposed for evaluation:

- i) Area III: Area III will be evaluated as a separate system, with a wastewater treatment plant serving this area alone. (Refer to Exhibit III-2 for the proposed sewer layout.)

- ii) Areas II and VII: These areas will be evaluated as a subregional system, with one wastewater treatment plant serving both areas. (Refer to Exhibit III-3 for the proposed sewer layout.)
- iii) Area IV: Area IV will be evaluated as a separate system tributary to the existing East Prospect Borough Wastewater Treatment Plant. (Refer to Exhibit III-4.)
- iv) Area X: Area X will be evaluated with a wastewater treatment plant serving this area alone and the extension of sanitary sewers to connect into the Windsor Borough Pump Station.

With regard to the second above referenced alternative, the closest existing collection system is located in Windsor Township, and it is the Windsor Borough Pump Station, along Craley Road, west of Windsor Borough. The pump station is a custom-built multi-level wet well/dry well structure with a design capacity of 1500 gallons per minute (gpm). According to the Windsor Township Chapter 94 report, the current loading for the facility was 173.3 gpm. Therefore, it appears that the facility has sufficient capacity to accommodate the future flows from the Bittersville service area.

Windsor Township, where the sewage would be conveyed to, is currently (1992) using 55 percent of their capacity at the Springettsbury Township Wastewater Treatment Plant. The 1997 estimated flows for Windsor Township are estimated at 80% of their capacity. Preliminary discussions with Township officials indicate that the Windsor Township Municipal Authority (WTMA) has been approached in the past to sell additional capacity to neighboring municipalities and this has been previously denied.

If Lower Windsor Township was to acquire capacity from the WTMA, which would increase their 1997 estimated usage to 84 percent, agreements would be required between both parties and a possible agreement with Springettsbury Township for treatment would be required. Lower Windsor township would be considered a single customer and would be responsible for collecting the quarterly user rates from the township residents. The current user fee being charged by the WTMA is \$70/quarter/equivalent dwelling unit.

For the purpose of a cost evaluation for this option, it is assumed that the flow from the Bittersville service area will remain as shown in Exhibit III-5, however, in lieu of a treatment plant, a pump station would be sited at this location and the flow conveyed to the Windsor Borough Pump Station via a separate pump station. (Refer to Exhibit III-5, III-5A for the proposed layouts.)

- b) Conveyance and Treatment: Where applicable, extended aeration package plants will be evaluated versus sequencing batch reactors (I/A technology).

In addition to the use of sequencing batch reactors, another I/A technology is the use of aquaculture systems. The use of aquaculture involves the production of and continued growth of algae and higher plant forms including rushes and reeds. Wastewater treatment is generally accomplished by passing the sewage through a system of shallow channels, ponds or basins where the aquatic vegetation is growing.

The system is reported to be a low cost, low energy consuming alternative. The process has been successfully used in combination with chemical addition and overland flow systems. A limitation to this process is the amount of land area required for the construction of the basins or lagoons which is reported to require four (4) to ten (10) times more land than conventional wastewater treatment plants. Temperature (climate) is a major limitation as it's effectiveness is linked to the active growth phase of the emergent vegetation. An additional limitation can be the creation of stagnant surface water which can lead to unsightly conditions, objectionable odors from the deterioration of material in the sunlight and possible insect breeding areas for mosquitoes. The following removals have been reported for secondary effluent treatment utilizing a ten (10) day detention time: biochemical oxygen demand, 80 to 95 percent (%); total suspended solids, 29 to 87%; nitrogen, 42 to 94% depending on the vegetation's uptake rate, and coliform, 86 to 99%. Overall reliability is of concern as substantial data is not currently available, however the process appears to be reliable from a mechanical and performance standpoint, subject to seasonality of the growth of the vegetation.

The major costs and energy requirements are associated with the pre-treatment, pumping, distribution at the site, earthwork and grading and land costs. In addition, the installation of a barrier layer such as clay or PVC type of material such as hypalon is

typically required to prevent the possibility of groundwater contamination.

Extended aeration package plants would include integral comminution/screening, flow equalization, sludge holding, aeration, clarification, and chlorine contact (refer to Exhibit III-6). Sequencing batch reactors (SBR's) utilize the extended aeration process but operate on a batch flow basis rather than on a flow through basis. An SBR performs flow equalization, aeration, and clarification in the same tank with integral comminution/screening, sludge holding, and chlorine contact (refer to Exhibit III-7).

The treatment plants proposed will include a control building to house equipment and laboratory space as required.

Sludge management facilities will be discussed below.

Conveyance and treatment facilities for the service areas detailed above will be as follows:

- i) Area III: Conveyance facilities shall include a pumping station and force main and will be considered as part of the collection system. With respect to treatment facilities, a 80,000 gpd extended aeration package plant will be evaluated versus a 80,000 gpd sequencing batch reactor. Preliminary effluent limitations will be sought from the DER. For the purposes of this analysis, advanced secondary treatment will be assumed (nitrification with phosphorous removal).
- ii) Areas II and VII: Conveyance facilities shall include intercepting sewers and will be considered as part of the collection system. With respect to treatment facilities, a 210,000 gpd extended aeration package plant will be evaluated versus a 210,000 gpd sequencing batch reactor. Preliminary effluent limitations will be sought from the Pennsylvania Department of Environmental Resources (DER). For the purposes of this analysis secondary treatment will be assumed.
- iii) Area IV: An intercepting sewer and a 50,000 gpd addition to the East Prospect Borough Wastewater Treatment Plant serving Area IV will be evaluated versus a 50,000 gpd extended aeration package plant. Preliminary effluent limitations will be sought from the DER. For the purposes of this analysis, advanced secondary treatment

will be assumed (nitrification with phosphorous removal).

iv) Area X: Conveyance facilities shall include intercepting sewers and will be considered as part of the collection system. With respect to treatment facilities, a 60,000 gpd extended aeration package plant serving Area X will be evaluated versus a 60,000 gpd sequencing batch reactor. Preliminary effluent limitations will be sought from the DER. For the purposes of this analysis, advanced secondary treatment will be assumed (nitrification with phosphorous removal).

c) Sludge Management and Disposal: Sludge Management and Disposal concerns both wastewater treatment plant process sludge and septic tank sludge. A sludge management scheme is presented below based on the extended aeration process. The extended aeration process would be utilized for both the extended aeration package plants and the SBR's.

Also, septage handling and disposal will be considered with respect to the recommended On-Lot Management Program as well as the potential septic sludge production from the proposed small diameter variable grade sewer systems.

i) Extended Aeration Process Sludge: Sludge produced by the extended aeration process is stable and usually requires minimal additional processing. Generally, aeration is required (aerated sludge holding tank/aerobic digestion) to provide any stabilization not attained in the extended aeration process as well as storage. Generally, ninety (90) days of winter sludge storage is required by DER. In addition, a means of dewatering the sludge is required to minimize the volume to be stored and disposed, as well as a means of ultimate sludge disposal. Agricultural Utilization generally is the ultimate sludge disposal method of choice.

For the extended aeration process the following sludge handling and disposal scenario is proposed:

- (a) Aerated Sludge Holding
- (b) Gravity Sludge Drying Beds
- (c) Septage Receiving Manhole (At the plant serving Areas II and VII only.)

(d) Ultimate Disposal Via Agricultural Utilization

ii) Septage Sludge Collection and Conveyance: Options for collection and conveyance of septage would include the use of contract haulers or Lower Windsor Township purchasing a truck and providing the staff to pump out septic tanks on a periodic basis. Considering the size of Lower Windsor Township, it would be more feasible to use contract haulers.

iii) Ultimate Sludge Disposal: Ultimate sludge disposal is proposed by agricultural utilization with disposal at a permitted landfill as a backup.

- 2) Long Term Needs: Any future sewer collection, conveyance, and treatment facilities to serve Areas I, V, VI, VIII, IX, XI, and the remainder of the Township will depend largely on the Alternatives selected to serve the Short Term Needs discussed. At this time, these areas do not exhibit sufficient need to be considered for sanitary sewers, but as previously stated, sanitary sewers will be required in the future for the areas to meet their full development potential. Therefore, these areas are designated Future Sewered Areas.

5. Summary of Principle Alternatives

- a. Short Term Needs - From the Collection and Conveyance and the Treatment Options developed in "Alternatives Development and Screening" sixteen (16) alternatives can be developed for further analysis for each area.

For each proposed sewer area considered, four (4) alternatives can be proposed as follows:

- 1) Area III: Refer to Table 3.2a for the Opinion of Probable Construction Costs.
- a) Alternative 1: Conventional gravity collection, pumping station and force main, extended aeration treatment (80,000 gpd), gravity sludge drying beds, and ultimate sludge disposal via agricultural utilization.
- b) Alternative 2: Small diameter variable grade collection, pumping station and force main, extended aeration treatment (80,000 gpd), gravity sludge drying beds, and ultimate sludge disposal via agricultural utilization.
- c) Alternative 3: Conventional gravity collection, pumping station and force main, SBR treatment (80,000

- gpd), gravity sludge drying beds, and ultimate sludge disposal via agricultural utilization.
- d) Alternative 4: Small diameter variable grade collection, pumping station and force main, SBR treatment (80,000 gpd), gravity sludge drying beds, and ultimate sludge disposal via agricultural utilization.
- 2) Areas II and VII: Refer to Table 3.2b for the Opinion of Probable Construction Costs.
- a) Alternative 5: Conventional gravity collection, extended aeration treatment (210,000 gpd), gravity sludge drying beds, and ultimate sludge disposal via agricultural utilization.
 - b) Alternative 6: Small diameter variable grade gravity collection, extended aeration treatment (210,000 gpd), gravity sludge drying beds, and ultimate sludge disposal via agricultural utilization.
 - c) Alternative 7: Conventional gravity collection, SBR treatment (210,000 gpd), gravity sludge drying beds, and ultimate sludge disposal via agricultural utilization.
 - d) Alternative 8: Small diameter variable grade gravity collection, SBR treatment (210,000 gpd), gravity sludge drying beds, and ultimate sludge disposal via agricultural utilization.
- 3) Area IV: Refer to Table 3.2c for the Opinion of Probable Construction Costs.
- a) Alternative 9: Conventional gravity collection system serving Area IV and the purchase of capacity at the East Prospect Borough Wastewater Treatment Plant (50,000 gpd).
 - b) Alternative 10: Small diameter variable grade gravity collection system serving Area IV and the purchase of capacity at the East Prospect Borough Wastewater Treatment Plant (50,000 gpd).
 - c) Alternative 11: Conventional gravity collection system with extended aeration treatment (50,000 gpd), gravity sludge drying beds, and ultimate sludge disposal via agricultural utilization.
 - d) Alternative 12: Small diameter variable grade gravity collection system with extended aeration treatment (50,000 gpd), gravity sludge drying beds, and ultimate sludge disposal via agricultural utilization.

- 4) Area X: Refer to Table 3.2d and 3.2e for the Opinion of Probable Construction Costs.
- a) Alternative 13: Conventional gravity collection system with a 60,000 gpd extended aeration package treatment plant with gravity sludge drying beds and ultimate sludge disposal via agricultural utilization.
 - b) Alternative 14: Small diameter variable grade gravity collection system with an 60,000 gpd extended aeration package plant with gravity sludge drying beds and ultimate sludge disposal via agricultural utilization.
 - c) Alternative 15: Conventional gravity collection system with a 60,000 gpd SBR package plant with gravity sludge drying beds and ultimate sludge disposal via agricultural utilization.
 - d) Alternative 16: Small diameter variable grade gravity collection system with a 60,000 gpd SBR package plant with gravity sludge drying beds and ultimate sludge disposal via agricultural utilization.
 - e) Alternative 17: Small diameter variable grade gravity collection system with a pump station and conveyance to the Windsor Borough Pump Station.

Opinions of probable operation and maintenance costs are presented for each of the above alternatives by Area in Tables 3.3, 3.4, 3.5, and 3.6. It is assumed that Lower Windsor Township would employ two operators (one full time and one part time) to operate the proposed plants. Therefore, operators' salaries and miscellaneous items shall be included under Areas II and VII only.

- b. Long Term Need Areas - From the "Alternatives Development and Screening", a Township On-Lot Management Program can be developed as the most feasible alternative to meet the Long Term Needs of Lower Windsor Township. This is due to the modest amount of needs identified throughout the remainder of the Township.

TABLE 3.2a
LOWER WINDSOR TOWNSHIP
OPINION OF PROBABLE CONSTRUCTION COST - AREA III

ITEM	UNIT	UNIT PRICE	ALT. 1		ALT. 2		ALT. 3		ALT. 4	
			QUAN.	COST	QUAN.	COST	QUAN.	COST	QUAN.	COST
SEPTIC TANK	EA	\$1000	n/a	0	22	\$ 22,000	n/a	0	22	\$ 22,000
4" DIA. PVC LAT.	LF	\$20	n/a	940,000	2,200	44,000	n/a	0	2,200	44,000
SM. DIA. PVC MAIN	LF	\$27	n/a	0	23,500	634,500	n/a	0	23,500	634,500
6" DIA. PVC LAT.	LF	\$27	2,200	\$ 59,400	n/a	0	2,200	\$ 59,400	n/a	0
CONV. PVC MAIN	LF	\$40	23,500	940,000	n/a	0	23,500	940,000	n/a	0
STREAM CROSS.	EA	\$20,000	3	60,000	3	60,000	3	60,000	3	60,000
ST. HI-WAY CROSS.	EA	\$20,000	4	80,000	4	80,000	4	80,000	4	80,000
PUMP ST.	EA	\$35,000	1	35,000	1	35,000	1	35,000	1	35,000
FORCE MAIN	LF	\$40	1,900	76,000	1,900	76,000	1,900	76,000	1,900	76,000
EX. AER. PLANT	LS			320,000		320,000		n/a		n/a
SBR	LS			n/a		n/a		360,000		360,000
CONTROL BLDG.	SF	\$100	500	50,000	500	50,000	500	50,000	500	50,000
SLUDGE DRY. BED	SF	\$35	1,600	56,000	1,600	56,000	1,600	56,000	1,600	56,000
TOTAL				\$1,676,400		\$1,377,500		\$1,716,400		\$1,417,500

TABLE 3.2b
LOWER WINDSOR TOWNSHIP
OPINION OF PROBABLE CONSTRUCTION COST - AREAS II & VII

ITEM	UNIT	UNIT PRICE	ALT. 5		ALT. 6		ALT. 7		ALT. 8	
			QUAN.	COST	QUAN.	COST	QUAN.	COST	QUAN.	COST
SEPTIC TANK	EA	\$1000	n/a	0	65	\$ 65,000	n/a	0	65	\$ 65,000
4" DIA. PVC LAT.	LF	\$20	n/a	0	6,500	130,000	n/a	0	6,500	130,000
SM. DIA. PVC MAIN	LF	\$27	n/a	0	54,400	1,468,800	n/a	0	54,400	1,468,800
6" DIA PVC LAT.	LF	\$27	6,500	\$ 175,500	n/a	0	6,500	\$ 175,500	n/a	0
CONV. PVC MAIN	LF	\$40	54,400	2,176,000	n/a	0	54,400	2,176,000	n/a	0
STREAM CROSS.	EA	\$20,000	10	200,000	10	200,000	10	200,000	10	200,000
ST. HI-WAY CROSS.	EA	\$20,000	15	300,000	15	300,000	15	300,000	15	300,000
EX. AER. PLANT	LS			840,000		840,000				
SBR	LS							1,057,500		1,057,500
CONTROL BLDG.	SF	\$100	1,000	100,000	1,000	100,000	1,000	100,000	1,000	100,000
SLUDGE DRY. BED	SF	\$35	4,300	150,500	4,300	150,500	4,300	150,500	4,300	150,500
TOTAL				\$3,942,000		\$3,254,300		\$4,159,500		\$3,471,800

TABLE 3.2c
LOWER WINDSOR TOWNSHIP
OPINION OF PROBABLE CONSTRUCTION COST - AREA IV

ITEM	UNIT	UNIT PRICE	ALT. 9		ALT. 10		ALT. 11		ALT. 12	
			QUAN.	COST	QUAN.	COST	QUAN.	COST	QUAN.	COST
SEPTIC TANK	EA	\$1000	n/a	0	22	\$ 22,000	n/a	0	22	\$ 22,000
4" DIA. PVC LAT.	LF	\$20	n/a	0	2,200	44,000	n/a	0	2,200	44,000
SM. DIA. PVC MAIN	LF	\$27	n/a	0	14,400	388,800	n/a	0	14,400	388,800
6" DIA PVC MAIN	LF	\$27	2,200	\$ 59,400	n/a	0	2,200	\$ 59,400	n/a	0
CONV. PVC MAIN	LF	\$40	14,400	576,000	n/a	0	14,400	576,000	n/a	0
STREAM CROSS.	EA	\$20,000	3	60,000	3	60,000	3	60,000	3	60,000
ST. HI-WAY CROSS.	EA	\$20,000	2	40,000	2	40,000	2	40,000	2	40,000
EX. AER. PLANT	LS							225,000		225,000
PURCHASE CAPACITY EAST PROSPECT	LS			150,000		150,000		150,000		150,000
CONTROL BLDG.	SF	\$100	n/a	0	n/a	0	300	30,000	300	30,000
SLUDGE DRY. BED	SF	\$35	n/a	0	n/a	0	1000	35,000	1000	35,000
TOTAL				\$885,400		\$704,800		\$1,175,400		\$994,800

TABLE 3.2d
LOWER WINDSOR TOWNSHIP
OPINION OF PROBABLE CONSTRUCTION COST - AREA X

ITEM	UNIT	UNIT PRICE	ALT. 13		ALT. 14		ALT. 15		ALT. 16	
			QUAN.	COST	QUAN.	COST	QUAN.	COST	QUAN.	COST
SEPTIC TANK	EA	\$1000	n/a	0	31	\$ 31,000	n/a	0	31	\$ 31,000
4" DIA. PVC LAT.	LF	\$20	n/a	0	3,100	62,000	n/a	0	3,100	62,000
SM. DIA. PVC MAIN	LF	\$27	n/a	0	18,450	498,150	n/a	0	18,450	498,150
6" DIA PVC MAIN	LF	\$27	3,100	\$ 83,700	n/a	0	3,100	\$ 83,700	n/a	0
CONV. PVC MAIN	LF	\$40	18,450	738,000	n/a	0	18,450	738,000	n/a	0
SBR	LS							270,000		270,000
STREAM CROSS.	EA	\$20,000	4	80,000	4	80,000	4	80,000	4	80,000
ST. HI-WAY CROSS.	EA	\$20,000	2	40,000	2	40,000	2	40,000	2	40,000
EX. AER. PLANT	LS			240,000		240,000				
CONTROL BLDG.	SF	\$100	500	50,000	500	50,000	600	60,000	600	60,000
SLUDGE DRY. BED	SF	\$35	1,200	42,000	1,200	42,000	1,200	42,000	1,200	42,000
TOTAL				\$1,273,700		\$1,043,150		\$1,313,700		\$1,083,150

TABLE 3.2e
LOWER WINDSOR TOWNSHIP
OPINION OF PROBABLE CONSTRUCTION COST - AREA X

ITEM	UNIT	UNIT PRICE	ALT. 17	
			QUAN.	COST
SEPTIC TANK	EA	\$1000	31	31,000
4" DIA. PVC LAT.	LF	\$20	3,100	62,000
SM. DIA. PVC MAIN	LF	\$27	18,450	498,150
CONV. PVC MAIN *	LF	\$35	13,700	479,500
CONNECTION TO PUMP STATION	LS			2,500
STREAM CROSS.	EA	\$20,000	4	80,000
ST. HI-WAY CROSS.	EA	\$20,000	4	80,000
PUMP STATION	LS			50,000
TOTAL				\$1,283,150

* DISTANCE FROM PROPOSED PUMP STATION SITE TO EXISTING WINDSOR BOROUGH PUMP STATION

TABLE 3.3
LOWER WINDSOR TOWNSHIP - AREA III
OPINION OF PROBABLE ANNUAL OPERATION
& MAINTENANCE COSTS

ITEM	COST			
	ALTERNATIVE 1	ALTERNATIVE 2	ALTERNATIVE 3	ALTERNATIVE 4
POWER	\$14,000	\$14,000	\$13,000	\$13,000
CHEMICALS	5,300	5,300	5,300	5,300
SEPTIC TANK PUMPING	n/a	10,900	n/a	10,900
TOTAL	\$19,300	\$30,200	\$18,300	\$29,200

TABLE 3.4
LOWER WINDSOR TOWNSHIP - AREAS II & VII
OPINION OF PROBABLE ANNUAL OPERATION
& MAINTENANCE COSTS

ITEM	COST			
	ALTERNATIVE 5	ALTERNATIVE 6	ALTERNATIVE 7	ALTERNATIVE 8
POWER	\$38,050	\$38,050	\$35,650	\$35,650
CHEMICALS	11,900	11,900	11,900	11,900
SEPTIC TANK PUMPING	n/a	32,500	n/a	32,500
SALARIES	35,000	35,000	35,000	35,000
INSURANCE	10,000	10,000	10,000	10,000
MISC.	6,700	6,700	6,700	6,700
OUTSIDE SERVICES	13,300	13,300	13,300	13,300
TOTAL	\$114,950	\$147,450	\$112,550	\$145,050

TABLE 3.5
LOWER WINDSOR TOWNSHIP - AREA IV
OPINION OF PROBABLE ANNUAL OPERATION
& MAINTENANCE COSTS

ITEM	COST			
	ALTERNATIVE 9	ALTERNATIVE 10	ALTERNATIVE 11	ALTERNATIVE 12
POWER	n/a	n/a	\$ 11,200	\$ 11,200
CHEMICALS	n/a	n/a	3,300	3,300
ANNUAL O&M PAYMENT TO EAST PROSPECT	\$13,300	\$13,300	8,000	8,000
SEPTIC TANK PUMPING	N/A	11,100	N/A	11,100
TOTAL	\$13,300	\$24,400	\$22,500	\$33,600

TABLE 3.6
LOWER WINDSOR TOWNSHIP - AREA X
OPINION OF PROBABLE ANNUAL OPERATION
& MAINTENANCE COSTS

ITEM	COST				
	ALTERNATIVE 13	ALTERNATIVE 14	ALTERNATIVE 15	ALTERNATIVE 16	ALTERNATIVE 17
POWER	\$8,300	\$8,300	\$9,000	\$9,000	\$5,000
CHEMICALS	3,300	3,300	3,300	3,300	N/A
SEPTIC TANK PUMPING	n/a	15,500	n/a	15,500	15,500
TREATMENT CHARGE @ \$70/QUARTER/EDU (165 EDU)					46,200
TOTAL	\$11,600	\$27,100	\$12,300	\$27,800	\$66,700

TABLE 3.7
ANNUAL SEPTAGE PRODUCTION
LOWER WINDSOR TOWNSHIP

DESIGN YEAR	POPULATION *	TOTAL NUMBER ** HOUSEHOLDS	ANNUAL NUMBER*** OF HOUSEHOLDS TO HAVE SEPTIC TANKS PUMPED	ANNUAL **** GALLONS OF SEPTAGE PRODUCED
1992	7,305	2,726	909	909,000
1997	7,960	2,970	990	990,000
2002	8,598	3,208	1,069	1,069,000
2012	9,872	3,684	1,228	1,228,000

- * From Table 3.1
- ** Based on 1990 Census; 2.68 persons/household
- *** Assume 1/3 pumped/hr. (3 yr. pumping schedule)
- **** Assume 1000 gallons/septic tank

D. Evaluation of Principal Alternatives

1. Cost Effectiveness Analysis:

The federal facility planning requirements under the Pennvest State Revolving Fund (SRF) call for a cost effectiveness analysis to be performed for all viable alternatives. The cost effectiveness analysis must be performed on either a present worth or equivalent annual cost basis for a 20 year planning period. In essence a cost effectiveness analysis evaluates the costs of an alternative over the effective life of the facility including capital construction costs, operation and maintenance costs, administrative costs, etc. Presently, the discount rate to be used for cost effectiveness analyses, based on the Pennvest State Revolving Fund Program requirements, is 8.75%.

Tables 3.9, 3.10, 3.11 and 3.12 summarize the results of the cost effectiveness analysis.

From Tables 3.9, 3.10, 3.11 and 3.12, the following alternatives are the most cost effective wastewater collection and treatment alternatives.

- a. Area III: Alternative 2
- b. Areas II and VII: Alternative 6
- c. Area IV: Alternative 10
- d. Area X: Alternative 14

2. Environmental Assessment/Consistency Review:

The federal facilities planning requirements call for the performance of an environmental assessment. The Act 537 Planning requirements call for the review of alternatives for consistency with other state and federal program concerns. This has been performed for the most cost effective alternatives as per Table 3.13 - Environmental Assessment /Consistency. In particular, Table 3.13 analyzes the impacts of the implementation of each alternative. The impacts are discussed in further detail below.

- a. Air Quality - The implementation of any of the collection and treatment alternatives or the Township On-Lot Management Program is expected to have no long term impact on air quality within Lower Windsor Township. Any adverse impacts that would result to air quality should be temporary, such as construction related dust or odors due to plant upsets. These impacts would be minimized by proper construction control procedures as well as the proper operation of the facility.

TABLE 3.8
LOWER WINDSOR TOWNSHIP
ON-LOT MANAGEMENT PROGRAM
PROJECTION OF ANNUAL COSTS

COST	UNIT	NO.	COST/UNIT	ANNUAL COST
INSPECTION PERMIT	EA	909	\$ 50	\$ 45,450
PUMP/HAULING/DISPOSAL	EA	909	150	136,350
TOTAL	EA	909	200	181,800

TABLE 3.9
LOWER WINDSOR TOWNSHIP - AREA III
COST EFFECTIVENESS ANALYSIS

COST ITEM	COST			
	ALTERNATIVE 1	ALTERNATIVE 2	ALTERNATIVE 3	ALTERNATIVE 4
CONSTRUCTION	\$1,676,400	\$1,337,500	\$1,716,400	\$1,417,500
CONTINGENCY (10%)	167,640	133,750	171,640	141,750
NON - CONSTRUCTION*	419,100	334,375	429,100	354,375
TOTAL PROJECT	\$2,263,140	1,805,625	\$2,317,140	\$1,913,625
ANNUAL O&M	\$ 19,300	\$ 30,200	\$ 18,300	\$ 29,200
PRESENT WORTH FACTOR (8.75% @ 20 YEARS)	9.3			
PRESENT WORTH ANNUAL O&M	\$ 179,490	\$ 280,860	\$ 170,190	\$ 271,560
TOTAL PRESENT WORTH	\$2,442,630	\$2,086,485	\$2,487,330	\$2,185,185

* ENGINEERING, LEGAL, FISCAL, ADMINISTRATIVE, LAND AND RIGHT-OF-WAY

TABLE 3.10
LOWER WINDSOR TOWNSHIP - AREAS II & VII
COST EFFECTIVENESS ANALYSIS

COST ITEM	COST			
	ALTERNATIVE 5	ALTERNATIVE 6	ALTERNATIVE 7	ALTERNATIVE 8
CONSTRUCTION	\$3,942,000	\$3,254,300	\$4,159,500	\$3,471,800
CONTINGENCY (10%)	394,200	325,430	415,950	347,180
NON - CONSTRUCTION	985,500	813,575	1,039,875	867,950
TOTAL PROJECT	\$5,321,700	\$4,393,305	\$5,615,325	\$4,686,930
ANNUAL O&M	\$ 114,950	\$ 147,450	\$ 112,550	\$ 145,050
PRESENT WORTH FACTOR (8.75% @ 20 YEARS)	9.3			
PRESENT WORTH ANNUAL O&M	\$1,069,035	\$1,371,285	\$1,046,715	\$1,348,965
TOTAL PRESENT WORTH	\$6,390,735	\$5,764,590	\$6,662,040	\$6,035,895

TABLE 3.11
LOWER WINDSOR TOWNSHIP - AREA IV
COST EFFECTIVENESS ANALYSIS

COST ITEM	COST			
	ALTERNATIVE 9	ALTERNATIVE 10	ALTERNATIVE 11	ALTERNATIVE 12
CONSTRUCTION	\$885,400	\$704,800	\$1,175,400	\$994,800
CONTINGENCY (10%)	88,540	70,480	117,540	99,480
NON - CONSTRUCTION	221,350	176,200	293,850	248,700
TOTAL PROJECT	\$1,195,290	\$951,480	\$1,586,790	\$1,342,980
ANNUAL O&M	\$ 13,300	\$ 24,400	\$ 22,500	\$ 33,600
PRESENT WORTH FACTOR (8.75% @ 20 YEARS)	9.3			
PRESENT WORTH ANNUAL O&M	\$ 123,690	\$ 226,920	\$ 209,250	\$ 312,480
TOTAL PRESENT WORTH	\$1,318,980	\$1,178,400	\$1,796,040	\$1,655,460

TABLE 3.12
LOWER WINDSOR TOWNSHIP - AREA X
COST EFFECTIVENESS ANALYSIS

COST ITEM	COST				
	ALTERNATIVE 13	ALTERNATIVE 14	ALTERNATIVE 15	ALTERNATIVE 16	ALTERNATIVE 17
CONSTRUCTION	\$1,273,700	\$1,043,150	\$1,313,700	\$1,083,150	\$1,283,150
CONTINGENCY (10%)	127,370	104,315	131,370	108,315	128,315
NON - CONSTRUCTION	318,425	260,788	328,425	270,788	320,788
TOTAL PROJECT	\$1,719,495	\$1,408,253	\$1,773,495	\$1,462,253	\$1,732,253
ANNUAL O&M	\$ 11,600	\$ 27,100	\$ 12,300	\$ 27,800	\$ 66,700
PRESENT WORTH FACTOR (8.75% @ 20 YEARS)	9.3				
PRESENT WORTH ANNUAL O&M	\$ 107,880	\$ 252,030	\$ 114,390	\$ 258,540	\$ 620,310
TOTAL PRESENT WORTH	\$1,827,375	\$1,660,283	\$1,887,885	\$1,720,793	\$2,352,563

TABLE 3.13
ENVIRONMENTAL ASSESSMENT/CONSISTENCY

ENVIRONMENTAL/SOCIOECONOMIC FACTORS	ALTERNATIVES 2 & 6			ALTERNATIVES 12 & 16			ON LOT MANAGEMENT PROGRAM		
	POSSIBLE LONG TERM BENEFICIAL IMPACTS	NO LONG TERM IMPACT	POSSIBLE LONG TERM ADVERSE IMPACTS	POSSIBLE LONG TERM BENEFICIAL IMPACTS	NO LONG TERM IMPACT	POSSIBLE LONG TERM ADVERSE IMPACTS	POSSIBLE LONG TERM BENEFICIAL IMPACTS	NO LONG TERM IMPACT	POSSIBLE LONG TERM ADVERSE IMPACTS
AIR QUALITY		X			X			X	
SURFACE WATER QUALITY		X			X			X	
GROUNDWATER QUALITY	X			X			X		
ENDANGERED OR THREATENED SPECIES		X			X			X	
FISH & WILDLIFE RESOURCES		X			X			X	
WETLANDS, FLOOD PLAINS & COASTAL AREAS		X			X			X	
SLUDGE DISPOSAL	X			X			X		
LOSS OF PRIME AGRICULTURAL LAND		X			X			X	
EXCESSIVE ENERGY CONSUMPTION		X			X			X	
VISUAL AFFECTS & COMMUNITY AMENITIES	X						X		X
SOCIOECONOMIC CONSIDERATIONS			X			X			X
HISTORICAL OR ARCHEOLOGICAL SITES		X			X			X	
HIGH QUALITY & EXCEPTIONAL VALUE WATERS		X			X		X		
OLD FILL AREAS/LANDFILLS		X			X			X	
NOISE			X			X			X
OPEN SPACE & RECREATIONAL OPPORTUNITIES		X			X			X	
OTHER ENVIRONMENTALLY SENSITIVE AREAS		X			X			X	

- b. Surface Water Quality - There should be no adverse impacts from the implementation of any of the collection and treatment alternatives on the On-Lot Management Program with respect to surface water quality. At this time there are no known adverse impacts to surface water quality resulting from existing sanitary sewage disposal methods in Lower Windsor Township.
- c. Groundwater Quality - The implementation any of the collection and treatment alternatives and the On-Lot Management Program may have a possible beneficial impact on groundwater quality for Lower Windsor Township.
- d. Endangered or Threatened Species - A Pennsylvania Natural Diversity Index (PNDI) review was requested to determine any impacts to endangered or threatened species. The results of this review (refer to Appendix I) indicated one (1) plant species potentially found within Lower Windsor Township (south-southeast of the Village of Long Level in the Fishing Creek) is identified as Tentatively Undetermined (i.e. populations in decline but more information needed to determine their status).

A review of the PNDI response indicated none of the potential populations are located in the areas proposed for construction nor is the Fishing Creek proposed for discharge.

- e. Fish and Wildlife Resources - There are no known adverse impacts to fish and wildlife resources as a result of the existing means of sewage disposal in Lower Windsor Township. Therefore, there should be no net impact to fish and wildlife resources from the implementation of any of the collection and treatment alternatives or the On-Lot Management Program.
- f. Wetlands, Flood Plains and Coastal Areas - The National Wetlands Inventory Map (refer to Exhibit III-8a, b, & c) was reviewed and indicated that no significant wetlands would be impacted by the implementation of any of the collection and treatment alternatives on the On-Lot Management Program. Concerning flood plains (refer to Exhibit II-2), the flood plain map for Lower Windsor Township was reviewed. Based on the review, it appears the implementation of any of the collection and treatment alternatives and the On-Lot Management Program should have no impact on flood plains.
- g. Sludge Disposal - With respect to sludge disposal, the recommendations discussed with respect to a Township-wide On-Lot Management Program should have a potentially beneficial impact. The implementation of the recommendations of this plan would provide for the adequate disposal facilities for Lower Windsor Township's septage and proposed treatment plant sludge over the long term.

- h. Loss of Prime Agricultural Land - The appropriate soils maps (refer to Exhibit III-9) and "Pennsylvania Prime Farm Land Soils" were reviewed with respect to the existence of prime agricultural soils within Lower Windsor Township. Prime agricultural soils do presently exist within the Township. At this time, no adverse impacts to prime agricultural soils are anticipated from the implementation of any of the alternatives. Comments from the Pennsylvania Department of Agriculture have been solicited.
- i. Excessive Energy Consumption - The proposed Alternatives will not consume a substantial amount of energy in comparison to the present. All attempts will be made in design to provide the most energy efficient design possible.
- j. Visual Affects and Community Amenities - Possible long term beneficial impacts are anticipated due to the mitigation of surface malfunctions and direct discharges to drainage swales and streams.
- k. Socioeconomic Considerations - Possible long term adverse impacts to socioeconomic considerations may result due to the initiation of user fees that will result from the implementation of any of the collection and treatment alternatives and the On-lot Management Program. All available funding sources shall be examined in an attempt to mitigate possible adverse impacts to socioeconomic considerations.
- l. Historical/Archeological Sites - A determination as to the existence of Significant Historical/Archeological sites within the proposed project was requested of the PA Historical and Museum Commission (refer to Appendix I).
- m. High Quality and Exceptional Value Waters - Presently, there are no streams or other bodies of water in Lower Windsor Township identified by DER as High Quality or Exceptional Value Waters.
- n. Old Fill Areas/Landfills - There are no known old fill areas within Lower Windsor Township. The Modern Landfill is located in the northwest part of the Township. No adverse impacts are anticipated on the landfill resulting from the implementation of any of the alternatives.
- o. Noise - Any impacts with respect to noise are anticipated to be short term and related to construction activities. Any long term noise related impacts resulting from the implementation of this Official Plan would be related to the proposed treatment plant equipment. These impacts will be mitigated by the placement of the equipment in buildings and by the specification of applicable silencers, etc.

- p. Open Space and Recreational Opportunities - Recreational opportunities within Lower Windsor Township are generally related to the outdoors (i.e. hunting, fishing, hiking, boating, etc.). The implementation of any of the alternatives is anticipated to have no adverse impacts to these pursuits. The implementation of any of the collection and treatment alternatives and the On-Lot Management recommendations should have minimal impact on open space and recreational opportunities in Lower Windsor Township. In particular, this is due to the fact that the collection systems and treatment plants are proposed for the most densely populated areas.
- q. Other Environmentally Sensitive Areas - There are no known other environmentally sensitive areas that will be impacted by the implementation of the alternatives.

E. ALTERNATIVE

Based on the above Cost Effectiveness Analysis and Environmental Assessment/Consistency Review, Alternatives 2, 6, 10, and 14 are the most cost effective, environmentally sound alternatives for Area III; Areas II and VII; Area IV; and Area X with regard to the collection and treatment alternative.

F. POTENTIAL FUNDING SOURCES

A review of potential funding sources for Lower Windsor Township with respect to the implementation of the wastewater treatment and collection alternative for Areas II, III, IV, VII and X is presented below.

1. Pennsylvania Department of Commerce:

- a. Community Facilities Program - The Community Facilities Program can provide grants up to \$50,000 or 50% of total project costs, whichever is less for projects with a total cost of \$2 million or less. Grants can be made for the construction, rehabilitation, alteration, expansion, or improvement of water facilities, sanitary sewer facilities (with the exception of treatment plants), and access roads. For communities designated as economically distressed grants up to \$75,000 or 75% of total project costs, whichever is less, are available. Eligibility is limited to Cities, Boroughs, and Townships with less than a population of 12,000. Also, Authorities serving populations less than 12,000 are eligible to receive grants under the Community Facilities Program.

Preliminarily, Lower Windsor Township could be eligible to receive grant funding through the Community Facilities Program for the proposed construction of collection systems provided the total project cost is less than \$2,000,000.

- b. Site Development Program - The Site Development Program can provide grants up to \$50,000 or 50% of total project costs, whichever is less for projects which directly aid in an industrial or travel development site. Communities designated as economically distressed are eligible for grants up to \$100,000 or 50% of total project costs, whichever is less. Grants can be made for the construction, rehabilitation, alteration, expansion, or improvement of water facilities, sanitary sewage facilities (excluding treatment plants), stream channel realignment, or access road construction. Eligibility is limited to all municipalities of the Commonwealth as well as municipal authorities, industrial development agencies, or any agency, or department of the executive branch of the Commonwealth.

Preliminarily, Lower Windsor Township is not eligible to receive grant funding through the Site Development Program.

2. Pennsylvania Infrastructure Investment Authority:

- a. State Program - The Pennvest Program provides financial assistance in the form of low interest loans and supplemental grants for the construction, improvement, expansion, extension, acquisition, repair, or rehabilitation of all or part of any publicly or privately owned water or wastewater facility or system, with a total project cost less than \$750,000.

Preliminarily, Lower Windsor Township is not eligible to receive low interest loans or grants through the Pennvest Program because total project costs exceed \$750,000.

- b. State Revolving Fund (SRF) - The SRF was established with federal seed money provided under the Water Quality Act. The SRF provides low interest loans and supplemental grants for wastewater treatment plant construction and modification. Also, some low interest loans and supplemental grants are available for sewer construction and rehabilitation. To be eligible for funding through the SRF, a project must meet all applicable federal planning and design requirements.

Presently, the maximum interest rate available through the SRF for York County municipalities is approximately 4.6% for 20 years. This interest rate is subject to periodic change.

Preliminarily, Lower Windsor Township could be eligible for low interest loans through the SRF.

3. Farmers Home Administration:

- a. Community Facilities Program - The federal Farms Home Administration (FmHA) Community Facilities Program provides

financial assistance for such services as water, sewer, natural gas, or hydroelectric power for rural areas.

Rural areas are defined as any area in any city or town with a population less than 20,000, although for water and wastewater facilities financial assistance is only available to communities with less than 10,000 population. Financial assistance is in the form of low interest loans and supplemental grants. Presently, interest rates and grants are 6.625% for 40 years based on 1990 median household income.

Presently, grant funding can be available for communities with median household incomes less than \$31,498. The 1990 median household income for Lower Windsor Township is \$32,279.

Preliminarily, Lower Windsor Township is not eligible to receive grant funding through the FmHA Community Program because Lower Windsor's 1990 median household income exceeds the FmHA defined limit.

4. Appalachian Regional Development Act:

- a. Appalachian Regional Commission - The Appalachian Regional Commission (ARC) provides funding to promote the long-term economic development of the Appalachian Region. The Commission operates through a partnership among federal, state, and local governments. The ARC provides funding relative to highway and infrastructure projects.

Lower Windsor Township is not eligible to receive funding through the ARC because York County is not located within the defined boundaries of Appalachia.

5. a. Department of Community Affairs:

- b. Community Development Block Grants - With respect to funding municipal wastewater facilities, CDBG funds may be used to defray the connection fees for low to moderate income households. Although this will have a beneficial affect to the households in question, it will not impact the user costs of any proposed facilities because it will not lower the costs to be financed. Application for CDBG funds would occur through York County.

- c. Financially Distressed Municipalities Act of 1987 - PA Act 47 - The Financially Distressed Municipalities Act (FDMA) is designed to avoid municipal bankruptcy. The FDMA is invoked prior to a municipality filing for bankruptcy and involves a three (3) pronged effort to prevent a municipality from filing for bankruptcy and to aid in its recovery. Upon the FDMA being invoked, a recovery plan for the municipality is prepared with extensive technical assistance from the Department of Community Affairs (DCA).

Next the FDMA can provide emergency loans and grants to the municipality as required to aid in the municipality's recovery. Finally, other state agencies (such as Pennvest, PA Department of Commerce, etc.) target resources to aid the municipality in recovery.

In summary, the FDMA is not something a municipality wants to invoke to obtain grants or loans to fund municipal wastewater collection and conveyance facilities.

6. Municipal Bonds:

The financing of municipal wastewater collection and treatment facilities through the municipal bond market would generally involve a 30 year bond issue. Municipal bonds utilize a variable interest rate. Considering the project costs and the economic conditions of Lower Windsor Township, the financing of the project via the bond market is feasible.

7. Local Sources:

Local means of raising capital involve the establishment of a connection fee for all users connecting to the facilities.

The use of connection fees will not raise the entire amount required to implement the Selected Alternative, but can reduce the amount to be financed. Connection Fees generally range from approximately \$2,000 to \$4,000 per connection. For the purposes of this plan \$1,000 per connection will be assumed.

G. INSTITUTIONAL REVIEW

1. Formation of an Authority:

Presently, there is no municipal authority in existence in Lower Windsor Township. The formation of a municipal authority has several advantages if the wastewater collection and treatment system is selected. Principally, an authority has the advantage of borrowing against its ability to repay the loan via the charging of user fees.

It is recommended that an authority be formed to assist in obtaining the necessary financing for the proposed project.

2. Financial Concerns:

The financing poses the greatest challenge to the implementation of the wastewater collection and treatment alternative to meet the wastewater needs of previously identified areas of Lower Windsor Township.

An analysis of funding the Selected Alternative (small diameter variable grade sewers with extended aeration treatment plants) via Pennvest and municipal bonds is included as Table 3.14. As

can be seen, the annual user fee is projected to range from \$764/EDU to \$836/EDU, based upon an opinion of probable construction cost of \$6,582,250.

For comparison, the annual user fee for conventional gravity sewer collection systems with extended aeration treatment plants, is projected to range from \$831/EDU to \$914/EDU, based upon an opinion of probable construction cost of \$8,077,500.

The projected preliminary user fees for the wastewater collection and treatment alternative are excessive for Township residents and is not feasible to serve the need areas. The wastewater collection and treatment alternatives are cost prohibitive, therefore the selected alternative which is affordable and implementable is the implementation of an on-lot management program for those areas of the Township identified as Short Term Need Areas.

TABLE 3.14
LOWER WINDSOR TOWNSHIP
AREA III; AREAS II & VII; AREA IV; & AREA X
FINANCING OF SELECTED ALTERNATIVE
AND PROJECTED USER FEES

ITEM	PENNVEST	MUNICIPAL BONDS
CONSTRUCTION COSTS	\$6,379,750	\$6,379,750
CONTINGENCY (10%)	637,975	637,975
NON-CONSTRUCTION COSTS *	1,594,938	1,594,938
TOTAL PROJECT COSTS	8,612,663	8,612,663
CONNECTION/TAPPING FEES (1,100 ** CONNECTIONS @ \$1,000/CONNECTION)	1,100,000	1,100,000
AMOUNT TO BE FINANCED	\$7,512,663	\$7,512,663
CAPITAL RESERVE FUND (10%)	751,266	751,266
TOTAL LOAN/BOND PRINCIPAL	\$8,263,929	\$8,263,929
TERM & INTEREST RATE	20 YEARS @ 4.6%	30 YEARS @ 7.0%
PROJECTED ANNUAL DEBT SERVICE	\$610,704	\$666,073
PROJECTED ANNUAL O&M COSTS	\$229,150	\$229,150
TOTAL PROJECTED ANNUAL COSTS	\$839,854	\$895,223
ANNUAL USER COSTS (ASSUMING 1,100 INITIAL CONNECTIONS)	\$764/EDU	\$814/EDU

* ENGINEERING, LEGAL, FISCAL, ADMINISTRATIVE, AND RIGHT-OF-WAY.

** DETERMINATION OF CONNECTION/TAPPING FEE MUST BE IN ACCORDANCE WITH ACT 209 REQUIREMENTS.

CHAPTER IV
IMPLEMENTATION

A. IMPLEMENTATION OF SELECTED ALTERNATIVE

The Selected Alternative for Lower Windsor Township proposes the following:

1. In order for a plan to be usable, the plan must be implementable. Based on the various alternatives evaluated by the Board of Supervisors, which included the construction of holding tanks, cluster on-lot sewage disposal systems; and wastewater collection and treatment systems which were determined to be very cost prohibitive, it is recommended that the township adopt an On-Lot Management program for those areas of the Township identified as Short Term Need Areas. This type of program appears to be the only currently available option which is both affordable and implementable.
2. Adoption of a zoning ordinance consistent with the Lower Windsor Township Comprehensive Plan.
3. Should the on-lot management program not completely help with the prevention and alleviation of sewage disposal problems within selected areas of the Township, the Township should begin to pursue funding sources for the construction of affordable wastewater collection and treatment systems.

B. IMPLEMENTATION SCHEDULE

In order for the plan to be implemented a series of milestones must be met. Pertinent milestones have been identified and a schedule of implementation has been developed and is presented in Table 4.1.

TABLE 4.1
LOWER WINDSOR TOWNSHIP
SCHEDULE OF IMPLEMENTATION
SELECTED ALTERNATIVE

Submit Pre-final Plan for Board of Supervisor Review	08/01/93
Submit Final Plan to Township	01/03/94
Public Meeting/Plan Adoption	02/10/94
Submit Adopted Plan to DER for Approval	02/28/94
DER Approval	06/28/94
Enact On-Lot Management Ordinance	03/01/95
Initiate On-Lot Management Program	01/01/96

APPENDIX I

APPLICABLE CORRESPONDENCE

TO: File(Lower Windsor Township)
BKA No. 91104

FROM: Y. Pollart

DATE: March 12, 1993

RE: Meeting with SEO

On March 3, 1993, I met with Mr. William Deal, Sewage Enforcement Officer (SEO) for Lower Windsor Township at his office in York, PA. The following are my notes from this meeting:

1. I indicated to Mr. Deal that we wanted to meet with him to obtain information on where he sees repeated on-lot sewage disposal problems within Lower Windsor township.
2. Mr. Deal indicated that some of the trailer parks have problems: Ravers Trailer Park; Barry's Trailer Park and Zeigler's.
3. Mr. Deal indicated that there were problems in Bittersville along Fishing Creek because they were old homes, many homes, small lots and believes that some of the homes are discharging into the stream along Route 624. Mr. Deal further identified Craley and Bull Run Road are the same as Bittersville. Mr. Deal stated that any area where a stream was adjacent to a small village, that he suspected direct discharges were taking place.
4. Mr. Deal indicated that there are problems along the Susquehanna River from Lephart's Corner south to Bull Run Road. he stated that many of these homes were once vacation homes, but now are being used as permanent homes.
5. I questioned Mr. Deal if he felt Martinsville was a problem. He indicated that he had a few repairs in the area but felt that was not a major problem area.
6. I questioned Mr. Deal if he felt there were problems in the Canadochly Church area and Margaretta Furnace area. He indicated no.
7. I discussed the Delroy area and he indicated that this area has older homes, many utilize cesspools and he further indicated that he has had many repairs along Route 124.

8. We discussed Dallas Drive and he indicated that it was an older development.

9. I questioned Mr. Deal why we had well contamination problems in well Nos. 308, 309, 310, and 311 and he suspected because they were older homes whose systems do not meet current Chapter 73 regulations.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES

Bureau of Forestry
Forest Advisory Services
P.O. Box 8552
Harrisburg, PA 17105-8552

717/787-3444

January 24, 1992

Yves E. Pollart, P.E.
Brinjac, Kambic & Associates, Inc.
910 North Second Street
Harrisburg, PA 17102

Dear Mr. Pollart:

Re: PNDI Review of Lower Windsor Township, York County for an
Act 537 Sewage Facilities Plan. BKA No. 91104

Your request of December 11, 1991, to review Lower Windsor Township, York County for the presence of natural resources of special concern was processed using the Pennsylvania Natural Diversity Inventory (PNDI) information system.

The review did not indicate any confirmed presence of resources of special concern within Lower Windsor Township. However, specimens on file at various institutions show that an aquatic plant, Podostemom ceratophyllum Michx., Riverweed, was collected from Fishing Creek, 0.75 miles south-southeast of Long Level in 1949. The continued presence of this plant has not been recently confirmed.

Podostemom ceratophyllum is believed to be declining in Pennsylvania but more information is needed to determine its status. The Pennsylvania Biological Survey has suggested that this plant be listed as Tentatively Undetermined in Pennsylvania and the Department concurs.

Be advised that legal authority for Pennsylvania's biological resources resides with three administrative agencies. The enclosure titled, PNDI Species List, outlines which species groups are managed by these agencies. While PNDI functions solely as an information system for natural resources of concern, the Pennsylvania Game Commission maintains the Fish and Wildlife Data Base which can provide data descriptive of all mammals and birds common to Pennsylvania.

PNDI is a site specific information system which describes significant natural resources of Pennsylvania. PNDI includes data descriptive of plant and animal species of special concern, exemplary natural communities and unique geological features.

Yves E. Pollart

- 2 -

January 24, 1992

The information system is a cooperative project of the Department of Environmental Resources, The Nature Conservancy and the Western Pennsylvania Conservancy. This response represents the most up-to-date summary of the PNDI data files. However, the absence of recorded information does not necessarily imply actual conditions on-site. A field survey of any site may reveal previously unreported populations.

The PNDI project is funded largely through contributions to the Wild Resource Conservation Fund. This fund was established in 1982 by the Pennsylvania Legislature to provide support for the research and conservation of significant natural resources within the Commonwealth. I trust that you will find our response to your request for site specific information to be of value to your business. Therefore, please consider making a contribution to the Fund.

Please phone this office should you have questions regarding this response, PNDI or the DER Wild Plant Management Program.

Sincerely,



Edward T. Dix, Botanist
Div. of Forest Advisory Services
Bureau of Forestry
Dept. of Environmental Resources

Enclosures

cc: Anthony Wilkinson, PNDI-East
John Arway, PFC
Gregory Grabowicz, PGC
File

PENNSYLVANIA NATURAL DIVERSITY INVENTORY
SPECIES LISTS

The statutory authority for Pennsylvania's animals and plants resides with three separate agencies. The Pennsylvania Department of Environmental Resources has the responsibility for management of the Commonwealth's native wild plants. The Pennsylvania Fish Commission is responsible for management of fish, reptiles, amphibians and aquatic organisms within the Commonwealth. The Pennsylvania Game Commission has the responsibility for managing the state's wild birds and mammals.

For information on current official status for a species, please consult the appropriate agency. Requests for information should be directed to:

PLANTS and
PNDI - general

Plant Program Manager
Pa. Department of Environmental Resources
Bureau of Forestry
Forest Advisory Services
P. O. Box 8552
Harrisburg, PA 17105-8552
(717)787-3444

FISH, REPTILES,
AMPHIBIANS,
AQUATIC ORGANISMS

Endangered Species & Herpetology
Coordinator
Pennsylvania Fish Commission
Bureau of Fisheries and Engineering
450 Robinson Lane
Bellefonte, PA 16823
(814)359-5113

BIRDS and MAMMALS

Pennsylvania Game Commission
Bureau of Wildlife Management
2001 Elmerton Avenue
Harrisburg, PA 17110-9797
(717)787-5529

Invertebrate species are recommended for inclusion in PNDI by the Pennsylvania Biological Survey. For information concerning invertebrates with federal status contact:

Endangered Species Specialist
U.S. Fish and Wildlife Service
One Gateway Center, Suite 700
Newton Corner, MA 02158
(617)965-5100

Thank you for your request. Feel free to contact PNDI if we can be of further assistance.



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Post Office Box 1026
Harrisburg, Pennsylvania 17108-1026

RECEIVED

JUN 21 1993

June 14, 1993

BRINJAC, KAMBIC
& ASSOCIATES INC.

Yves E. Pollart, P.E.
Brinjack, Kambic & Associates
114 N. Second Street
Harrisburg, PA 17108-1290

TO EXPEDITE REVIEW USE
BHP REFERENCE NUMBER

Re: File No. ER 93-2378-133-A
DER 537 Program
Lower Windsor Township
Board of Supervisors
York County

Dear Mr. Pollart:

The Bureau for Historic Preservation has reviewed this State funded, assisted or licensed project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 507 et. seq. (1988). This review includes comments on the project's potential effect on both historic and archaeological resources.

The Pennsylvania Historical and Museum Commission has determined that significant known archaeological resources are located within the project area of Leibharts Corner, Long Level, and Craley areas. The site number(s) are listed below. The applicant is required to prepare a plan to either avoid this site or, if the site can not be avoided, mitigate impacts to the resource through data recovery. A Phase I survey must be conducted to precisely locate the site in relation to construction impacts and to locate other significant sites which may be affected by this project. Guidelines and instructions for conducting Phase I surveys in Pennsylvania are enclosed.

P.A.S.S. # 36 Yo 29, 38, 9, 294, 170, 295, 296, 37, 31, 32

Page 2
June 14, 1993
Mr. Pollart

There is a high probability that archaeological resources are located in the project areas of Margaretta Furnace, Delroy, and Bittersville and may be affected by project activities. It is the recommendation of the Historical and Museum Commission that the applicant conduct a Phase I survey to locate these sites and to develop a plan for their protection. If a survey is not conducted and the applicant encounters archaeological resources during construction, the applicant must stop the project, conduct the survey and develop a plan acceptable to the Museum Commission to mitigate any effects on these resources. These may delay the completion of the project. If this project will require any federal permit or receive federal funding, the federal agency, under the National Historic Preservation Act will probably require the survey to be conducted. We suggest that you seriously consider conducting the survey early in the process so as to avoid delays in the future. Guidelines and information for survey are enclosed.

Because your request does not include sufficient information, we are unable to proceed with our review for historic structures until the information on the attached form is provided.

If you need further information regarding archaeological survey please contact Andrew Wyatt at (717) 783-9900. If you need further information concerning historic structures please consult Gretchen Yarnell at (717) 783-8946 or 783-8947.

Sincerely,



Kurt W. Carr, Chief
Division of Archaeology
and Protection

Enclosures

KWC/lfa

ER # 93-2378 - 133

PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION
BUREAU FOR HISTORIC PRESERVATION: INFORMATION REQUEST FORM

Please submit the items checked:

() A. FUNDING/PERMITTING/LICENSING/APPROVAL PROGRAM

- 1. Name of federal/state/local agency (please identify all agencies involved)
- 2. Type of involvement (funding/permit/license/approval)
- 3. Name of Program (CDBG, HUD, Sewer Module, etc.)
- 4. Name/address of office at which application has been/will be filed.

B. PROJECT DESCRIPTION: Narrative description of assisted and related work including:

- () Size of project (number of buildings, units, stories, acres)
- () Use or purpose
- (X) Extent and nature of ground disturbing activities (i.e. trenching, grading, foundation excavation, etc.)
- () Annotated Site map/plan showing proposed ground disturbance
- () Architectural plans/specifications
- () Development plans showing existing conditions and proposed new construction
- (X) Please explain how buildings of 50 years or older will be affected by project

PLEASE SPECIFY WHERE THE WORK IS TO OCCUR -- IN STREET RIGHT OF WAY etc...

HERE IS A National Register Historic Site WITHIN THE AREAS OF USBHARTS CORNER LONG LEVEL. GAIN, PLEASE SPECIFY THE AREA

PHOTOGRAPHS (3" X 5") showing:

- () Exterior of buildings in project area
- () Interior of buildings in project area
- () Buildings over 50 years old in project area keyed to a site plan or U.S.G.S. quadrangle map
- () Buildings over 50 years old surrounding the project area keyed to a site plan or U.S.G.S. quadrangle map
- () Streetscapes near project area

C. PROJECT LOCATION

GROUND DISTURBANCE.

- () U.S.G.S. 7.5 min. series (topographic) quadrangle with the PROJECT LOCATION(S) AND LIMITS CLEARLY MARKED using colored pen. Please include name of quadrangle.
- () Street map (for projects in populated areas)
- () Street map showing project location and historic district boundaries
- () acreage of project area
- () miles/feet of project and right-of-way width
- () street address of property

D. PROJECT SITE

- () Supply brief history/use of buildings/property, including historic names/dates for the property.
- () Describe all buildings on the site using the BHP Historic Resource Form
- () Floor plans of building
- () Other: _____

CULTURAL RESOURCE MANAGEMENT
IN PENNSYLVANIA:
GUIDELINES FOR ARCHAEOLOGICAL INVESTIGATIONS

ABRIDGED

July 1991

Bureau for Historic Preservation
Pennsylvania Historical and Museum Commission
Box 1026
Harrisburg, Pennsylvania 17108-1026
(717) 783-8947

This abstract presents the general information detailed in "Cultural Resource Management in Pennsylvania: Guidelines for Archaeological Investigations" published by the Pennsylvania Historical and Museum Commission, July, 1991. These guidelines are designed according to the Advisory Council's Handbook on the Treatment of Archaeological Properties (Nov. 1980) and the Secretary of Interiors Standards for Archaeology and Historic Preservation (36 CFR 61.3 (b) and Chapter 6, Section C.1.a). The guidelines were developed to make explicit the standards used by the BHP in evaluating and commenting on archaeological investigations. The standards are set to insure a consistent and uniform approach to the treatment of archaeological properties. They are based on field methods and procedures which have been successful in Pennsylvania and a wide range of significant research problems have also been considered. They provide detailed advice for archaeologists working in Pennsylvania and general guidance to agency officials on the level of effort necessary to comply with historic laws and procedures in this state.

If you wish to obtain a copy of the complete guidelines, please contact the Bureau for Historic Preservation.

PHILOSOPHY AND PURPOSE

Pennsylvania has a heritage of over 12,000 years of human settlement. This heritage is, in part, preserved in the archaeological record. The inventory of archaeological sites represents the time span from the first Paleo-Indian hunters and gatherers who occupied what is now Pennsylvania some 10 to 15,000 years ago to the urban industrial and rural agricultural communities of the nineteenth and twentieth centuries. The archaeological record offers a unique opportunity, not available through written history and oral tradition, to study and understand our heritage.

Federal and state laws recognize the importance of cultural resources, including archaeological sites, and provide mechanisms to insure that they are considered and protected in the actions of government agencies. Under these laws, federal and state agencies must consider the effects of their actions on significant cultural resources - historic buildings, structures, objects, districts, and historic and prehistoric archaeological sites. A significant resource is defined as one which is listed or eligible for listing in the National Register of Historic Places. Archaeological sites are considered to be important in elucidating information about past cultural behavior.

The federal legal mandates include Section 106 of the National Historic Preservation Act of 1966 as amended, Executive Order 11593, and the regulations of the Advisory Council on Historic Preservation (36 CFR 800). In Pennsylvania, state legal mandates include the Environmental Rights Amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Sections 507 and 508 (1988). The legal mandate, the philosophy and purposes of the laws, and the definition of significance are discussed in greater detail in A Comprehensive Plan for the Conservation of Archaeological Resources, Volumes I and II (PHMC: 1985). Briefly, these laws require that agencies meet their responsibilities by identifying all cultural resources which may be affected by their actions, determining the National Register eligibility of those resources which will be affected, and considering ways to mitigate or avoid the effects of this action on National Register properties. These responsibilities are usually met by a program of archaeological survey, testing, and evaluation.

These cultural resource laws define the role of the State Historic Preservation Officer (SHPO) in providing comment and expert advice on effects. In Pennsylvania, the SHPO is the Executive Director of the Pennsylvania

Historical and Museum Commission (PHMC) and the SHPO's responsibilities to review, comment, and advise are fulfilled by the Bureau for Historic Preservation (BHP). Upon notification of an undertaking by an agency (or its applicants for funding or licenses) the BHP reviews the action for its effect on potentially eligible cultural resources and provides comments to the agency regarding the presence of resources and the need for studies to locate or evaluate resources. For archaeological sites, recommended studies may include archaeological survey, limited testing, and excavation. The BHP generally coordinates with the agency or applicant regarding the scope of work and reviews and comments on the adequacy of the methods and results of the studies.

Our published guidelines contain the standards and specifications by which the BHP reviews and evaluates archaeological survey methods and results, reports, and recommendations. They are intended to insure consistency in BHP evaluations and comparability of data. The guidelines are intended to insure that archaeological studies reviewed by the BHP conform to standards for archaeological survey, data recording and report production currently accepted in the profession. The BHP encourages the use of new or modified approaches not specified in the guidelines, if these approaches are discussed with BHP staff by phone or letter before the studies are initiated. Alternative approaches, however, must be justified by reference to the literature on archaeological methodology and should provide results equivalent to those provided by the methods specified in these guidelines.

The review process insures that significant archaeological resources are considered and treated according to their significance. These guidelines are intended to insure that the process is effective and efficient.

THE REVIEW PROCESS

The BHP has divided the review process into two parallel processes: (a) review for effect on historic standing structures and, (b) review for effect on prehistoric and historic archaeological resources. The guidelines describes the procedures involved in the archaeological review. Questions concerning the treatment of standing structures should be addressed to the BHP staff.

The first step in the review process is the submission of project documentation to the BHP. To enable the BHP to

complete its review, the documentation must be complete, including the following:

- a) Agency (Federal/State) and type of assistance.
- b) Project Location: the specific location and boundaries of the project area should be indicated on a U.S. Geological Survey (USGS) 7.5 minute topographic map (or copy thereof) as well as other maps (road or street maps, detailed plans, permit application maps, etc.), as appropriate. Street address and street map are required for projects in urban areas. Previous construction and the relation of the project to existing roads, sewer lines, pipelines, and so forth, should be shown on clear and detailed maps of the project area. For example, distinctions should be made on project maps for pipelines which are being replaced within their existing trenches and new ground disturbance is therefore minimal. A distinction should also be made between placement in a road berm where it can be assumed that the soil profile has been disturbed by the original road construction or simply in the road right-of-way where that assumption is not necessarily valid.
- c) Project Description: Nature and extent of activities licensed, funded, or assisted; size of project; extent and nature of ground-disturbance, previous and anticipated; previous and current land use; known historic and archaeological resources within or near the project area, with sources of information.

When complete documentation has been received, the archaeological review proceeds with the examination of the project location to determine if known archaeological sites are recorded within or near the project area. Site locations are recorded in the Pennsylvania Archaeological Site Survey (PASS) files maintained by the PHMC at The State Museum of Pennsylvania in Harrisburg. The files are the official repository of site information and currently contain information on over 14,000 archaeological sites of all periods. Similar files for more than 110,000 historic structures are maintained by the PHMC/BHP. Comparison of project maps with map information in the PASS files enables the BHP staff archaeologists to determine the presence or absence of recorded sites within the project area.

The absence of recorded sites does not imply the real absence of sites. Although there are a large number of sites currently recorded in the PA represent less than 5% of the total number of archaeological sites within the state. In order to evaluate the potential effect of an action on archaeological resources, the possibility of significant unrecorded sites being located within the project area must

be considered. The presence of a prehistoric site for example can be accurately based on the topography, hydrology and pedology of the general project area. Thus, the review by the BHP includes a consideration of patterns of site distribution and models of prehistoric and historic settlement derived from previous cultural resource management surveys, regional surveys, general settlement pattern studies, and local or regional histories.

Other factors considered include (a) previous survey or excavation within or near the project area and (b) the nature and extent of previous land use and ground disturbance that would affect the preservation of archaeological sites. Areas which have been extensively graded or altered (e.g. through surface mining, construction, etc.) may often be eliminated from further consideration, unless there is a possibility that archaeological deposits may be preserved beneath disturbed levels.

The review of project documentation results in one of three responses by the BHP to the agency or applicant:

(1) No recorded sites occur within the project area and none would be expected.

(2) Recorded sites occur within the project area and other, unrecorded, sites may be expected to exist.

(3) No recorded sites exist in the project area but the area has not been surveyed and there is a high probability that sites exist. The high probability is determined by a consideration of the factors outlined above and refers to the probability that an archaeological resource will exist within a defined area.

For projects involving Act 537 sewage facility plans, and no other state or federal permits or assistance, when no sites are recorded within the project area, the necessity to conduct a Phase I survey is optional. However, if archaeological materials are uncovered during construction, the entire project must stop and the appropriate surveys must be conducted.

In addition to evaluating the presence or absence or potential for archaeological resources within the project area, the BHP renders an opinion concerning the probable effect of the action on archaeological resources. It may be that although recorded sites are located within the project area the nature of the project activities is such that there will be no effect on those sites. The BHP response to the agency or applicant thus includes information on the

presence or likelihood of archaeological sites and an opinion as to effect.

RECOMMENDED ACTION

If, in the opinion of the BHP, there are no sites or there will be no effect, no further investigation will be recommended. It should be stressed, however, that should evidence for archaeological resources be revealed during construction or be provided by an informant after the project commences, the BHP must be informed immediately and consulted as to the appropriate action to protect resources. Federal law has established procedures for the treatment of unanticipated discoveries ("late finds") involving coordination with the BHP.

When the BHP has determined that there will be an effect on known resources or that there may be an effect on unrecorded resources, the BHP will recommend that an archaeological survey be performed to develop an inventory of all archaeological resources (prehistoric and historic) within the project area. In order to satisfy the requirement that agencies consider the effects of their actions on cultural resources, a phased approach to resource identification and evaluation is generally recommended. The phases correspond to the required tasks of inventory, evaluation, and mitigation through data recovery. The purpose of these investigative phases is described briefly below.

Phase I

The Phase I survey is intended to provide an inventory of all potentially eligible archaeological resources within the project area as per Federal Reg. 51 (169) of 9/2/86 and CFR 800.4 as revised 10/1/86. Predictive models are used by the BHP to delineate areas requiring Phase I survey. The consultant should also devise a predictive model to focus the Phase I survey, however, the model must be justifiable and designed to locate all potentially eligible archaeological sites within a proposed project area. The methodology of a Phase I survey should be adequate to make it highly probable that all sites will be recorded. Sites may be identified and recorded through a combination of documentary research, informant interviews, surface reconnaissance, and subsurface testing. Any or all of these techniques may be used in a particular survey. The Phase I survey will result in the discovery of any unrecorded sites and the confirmation of the existence and location of previously recorded sites. It should be emphasized that a

Phase I survey will identify and record both prehistoric and historic period sites within the project area.

The results of the Phase I survey should be incorporated in a report meeting the standards and specifications of the BHP. The report serves as the basis for a recommendation by the BHP as to the need for additional work and the adequacy of the Phase I survey. If no sites were discovered and the report reflects an adequate consideration of the potential for archaeological resources, the BHP will recommend that no further investigations are needed and that the project will have no effect on archaeological resources.

For projects covering an area of five acres or less, involving simple residual soils or no stratified Holocene deposits and where no sites are found, a shortened report format is acceptable.

Prehistoric and historic period archaeological survey work and reports should be coordinated with the historic structures survey. The information gained from the historic structures survey work should be incorporated into the investigation of historic archaeological sites.

Phase II

For archaeological sites, significance is usually defined as having the potential to contribute significant data to our understanding of past cultural behavior. Phase I surveys do not generally provide sufficient information to allow a determination of the significance of the resources discovered. The Phase II investigation is designed to sample the archaeological deposits at sites identified during the Phase I survey and allow a decision to be made as to their significance, defined as eligibility of the site for listing in the National Register of Historic Places. Only significant sites are afforded protection under federal or state law and warrant further consideration. If sites were discovered and documented according to BHP standards during the Phase I survey, in most cases the BHP will respond with a recommendation for a Phase II testing and evaluation investigation.

The Phase II investigation will involve a more intensive study of individual sites through techniques designed to reveal information on stratification, the presence of features, paleo-environment, artifact variation and culturally determined horizontal artifact patterning. The goal of the investigation is to provide evidence from these categories sufficient to relate the site to others in

the local area, region, or state. Site significance should be evaluated by establishing the cultural/historical function of the site within the regional settlement pattern and by reference to the study unit summaries and research themes outlined in the State Plan. As with the Phase I results, the results of the Phase II study are summarized and documented in a report reviewed by the BHP. The BHP response will include an evaluation of the adequacy of the report in terms of the standards and specifications for Phase II reports and the discussion of site significance. The BHP response will also include a determination of eligibility and the need for additional consideration of the resources. If sites are determined not eligible on the basis of the Phase II results, no further field investigations will be recommended.

If sites are determined to be eligible, the BHP will recommend either that the significant sites be avoided by project activities or that, if an effect is unavoidable, the scientific information contained in the site be recovered by large-scale data recovery (Phase III) excavations. Federal regulations (36 CFR 800) define a role for the National Register of Historic Places in the determination of eligibility and the Advisory Council for Historic Preservation in the development of a data recovery plan.

If significant sites are located within the project area, will be affected by project activities, and cannot be avoided, the BHP will indicate that the project will have an adverse effect on the sites. The adverse effect may be mitigated by data recovery in most cases. Most eligible archaeological sites are significant solely for the information they contain and need not be preserved in place. There are, however, certain exceptional archaeological sites which derive all or part of their significance from their location, setting, or context and for which the BHP may recommend preservation in place.

Phase III

Phase III investigations are intended to mitigate the adverse effects to significant sites through data recovery. Data recovery investigations generally involve large-scale excavation of a representative sample of archaeological information from a site. Because of the variety of settings and site types, Phase III investigations must be designed on an individual basis in consultation with the BHP. Individual investigations will be designed to recover information related to the significance of the site, that is, the investigations will be problem-oriented and designed to answer specific questions.

The results of Phase III studies are incorporated in a final report which is reviewed by the BHP in accordance with its standards and specifications. Although the content and focus of the Phase III research will vary greatly, it is expected that it will meet certain minimum standards and represent a substantial contribution to the archaeological literature. It is further expected that they will address specific problems outlined in the State Plan and contribute to the study units of the State Plan. The justification for the requirements placed on federal agencies by the Historic Preservation Act is the protection of significant scientific information: Phase III investigations must focus on the research problems which make the site significant.

Completion of the Phase III studies and approval of the final report will, in most cases, satisfy the agency's responsibilities regarding cultural resources. At this point, the construction project may proceed. The BHP will respond to a complete and adequate Phase III report with an opinion that the project will have no adverse effect on cultural resources. In some cases, (when an MOA exists) the no adverse effect finding may be given prior to Phase III studies, conditioned upon the completion of a final Phase III report.

It must be emphasized again that the agency (or applicant) remains responsible for the consideration of archaeological resources discovered during construction. Unanticipated discoveries or late finds must be reported immediately to the SHPO and steps taken to prevent any further damage to these resources until an appropriate strategy for investigating, evaluating, and protecting them developed. The agency and professional archaeologists involved in a Phase III study should also be responsible for publishing the results of their investigations in a scholarly manner. These studies focus on the most significant sites discovered through the CRM process, consequently the resulting data should be disseminated to the professional community.

SURVEY METHODS

The survey methods recommended in the Guidelines have been extensively tested in Pennsylvania and they have resulted in the discovery of the types of sites which have made a significant contribution to our understanding of past cultural behavior in this state. The specific excavation techniques and the types of analysis which are recommended reflect the types of research currently conducted in this state. Therefore, that document, in part, is a statement of the types of research which may lead to an improved understanding of cultural behavior.

Because of the variety of contexts in which archaeological studies occur, the Guidelines have been developed for four distinct situations: Prehistoric, Urban Contexts, (Non-urban) Historic, and Submerged archaeological sites. Obviously, these situations are not mutually exclusive and certain investigations will combine two or more approaches.

All archaeological investigations begin with an initial site visit and background research. A site visit provides information on detailed topography, the extent of prior disturbance, and indicators of the presence or absence of archaeological deposits or historic features. The results of the site visit should be combined with background documentary research concerning the prehistory, history and ecology of the area to develop predictions as to site locations.

The other important category of information needed from a site visit involves observations on prior ground disturbance. An attempt should be made to ascertain and document the nature and extent of previous disturbance. Documentation could take the form of photographs, detailed maps, representative test pit profiles, or construction records. If disturbance has seriously affected the preservation of archaeological sites or influenced the extent or intensity of testing, the BHP must be provided with sufficient information to allow concurrence with the investigator's conclusions. In certain cases in which previously unreported but extensive disturbance has affected the preservation of all potential sites within the project area, the BHP should be informed and an opinion solicited as to the need for further work.

In evaluating the effect of disturbance and small-scale environmental conditions, the nature of prehistoric settlement and site formation processes must be considered. Archaeological deposits, for example, may be preserved

intact beneath recent disturbance in certain contexts. Likewise, wet or marshy areas may be of recent origin. The margins of marshy areas of long standing may have been attractive areas for prehistoric settlement.

Field testing will either confirm or fail to verify the expectations developed during the site visit and background research. For this reason, field testing should normally follow these steps. The field methodology should reflect familiarity with the relevant background information and informed decisions based on an understanding of that information. All methodologies should be derived from and justified by the situation and the background information on the area. It should be kept in mind that the goal of Phase I field testing is the identification of all archaeological sites in the project area as required in CFR 800.4. It should be emphasized that all sites, including low density and small manifestations, are potentially eligible for the National Register. Further, sites which contain significant paleoenvironmental data contributing to our understanding of cultural adaptations may also be eligible. Consequently, Phase I surveys should be designed to maximize the identification of archaeological sites. Weather conditions are an important factor in performing good quality field work. It is strongly recommended that archaeological testing not be conducted during cold and/or wet conditions.

Field testing according to the following standards is expected for Phase I projects unless alternative methods have been developed in consultation with the BHP. Minimum field testing procedures designed to identify archaeological resources include:

a) a thorough ground surface inspection or "walkover" of the entire project area, including a thorough examination of areas where topographic slope exceeds 15% for the presence of rockshelters, rock ledges, or caves that may preserve archaeological sites or lithic workshops. (This is the initial site visit described above.)

b) in areas where adequate ground surface visibility is already available (for example, in a recently plowed field) the areas should be systematically walked and inspected at intervals of 5-10 meters. If archaeological resources are visible at ground surface, a controlled surface collection should be made so that an estimate of artifact density can be made.

c) in project areas of less than 15% slope where adequate ground surface visibility is not readily available, several methods may be employed in the attempt to identify archaeological sites.

i) Shallow (no deeper than normal) plowing, disking and adequate watering of former agricultural fields may be used to improve ground surface visibility if the area has been previously plowed. The area can then be treated as in b above.

ii) Hand excavation of 0.5 meter x 0.5 meter shovel probes (or 0.57 meter diameter circular pits) may be employed where plowing and disking is not feasible and must be employed in areas with an undisturbed (unplowed) topsoil. Probe interval (i.e., the distance between two adjacent probes) should be 15 meters in high probability areas (or 16 units per acre), 25 meters in medium probability areas, and 30 meters in low probability areas. Each shovel probe must be excavated to levels in which no archaeological materials could occur (due to the age or depositional environment) or bedrock.

iii) Deep testing is required in areas where archaeologically sensitive surfaces may have been covered by colluvial, alluvial, or aeolian deposits. Floodplains and colluvial slopes are good examples. A geomorphologist or pedologist with experience in the interpretation of stratigraphy must be consulted in the identification of potential buried soil horizons. The interval for testing in deeply stratified contexts is 30 meters with 1 meter x 1 meter of dirt screened for each 30 meter interval (or four units per acre). Deep testing should continue until confirmed Pleistocene surfaces are identified unless the project impact is narrowly confined and the depth of impact restricted, i.e. water and sewer lines, in which case testing should continue 1.0 meter below the depth of impact.

Additional geomorphological or soils studies may be appropriate where particularly complex or unusual conditions of soil deposition exist. If in doubt, the BHP should be consulted on appropriate testing.

Additional techniques specific to historic, urban or submerged resources may be appropriate in certain circumstances. These methods are discussed in detail in the Guidelines.

Methodologies for Phase II and Phase III must be tailored to the specific site being investigated. In each case, they represent techniques used to sample the site in order to answer specific questions. In Phase II the primary questions to be addressed are, the size of the site and its

significance. More extensive background research and analysis are necessary in order to make these two determinations. Phase II fieldwork usually includes excavation of blocks of site area and/or the mechanical stripping of the topsoil in order to determine whether or not archaeological features are present. All Phase II and Phase III workplans should be developed in consultation with the Bureau.

REPORT STANDARDS

Report Format

The format outlined below represents a means for organizing data for presentation in archaeological reports. For each phase of a project, this outline should be consulted in conjunction with the standards and procedures listed above to determine what is applicable. While some standardization of reports aids in timely and efficient review of projects by the BHP, it should be emphasized that such standardization is not intended to inhibit particular analytical approaches or the creativity of individual researchers. Instead, the format represents the minimum level of acceptable documentation for archaeological compliance projects. It should be modified as needed to accommodate the special needs of particular projects and project phases.

It should be emphasized that a management summary should include all of the relevant site information, methodology, stratigraphic descriptions, absolute dates, recommendations and so forth in condensed form. This will facilitate the review process, particularly for large scale projects involving several sites and extensive acreage.

I. Title Page

- A. Title of report including project name.
- B. Author(s).
- C. Organizational affiliations.
- D. Agency and/or client.
- E. Date.
- F. BHP assigned Environmental Review number.

II. Abstract or Management Summary

This section should include the physiographic zone of the project location, size (in acres or hectares), the percent/acreage of the project area previously disturbed, the agency sponsor, radiocarbon dates, number of sites found, how sites were located (i.e. STPs, surface collection, deep tests, informant interviews), what portions

of the project area were not covered and why, and any other relevant summary information about the project. The management summary should also include the items listed below. On smaller projects, an abstract will suffice in lieu of a detailed management summary.

- A. Type of project.
- B. Location and size of project (area in metric and English units).
- C. Findings.
- D. Significance.
- E. Project impact.
- F. Recommendations.

III. Table of Contents

IV. Lists of Figures, Plates, and/or Tables

V. Introduction

- A. Purpose.
- B. Project administration and organization; identify sponsors.
- C. Description of proposed project and specific location.
- D. Dates when survey was conducted.
- E. Project constraints, when applicable.
- F. Acknowledgements.

VI. Project Location and General Description

- A. Physiographic description of project area.
- B. Present land use patterns; e.g., commercial, agricultural, etc.
- C. Description of current conditions (with photographs).

VII. Background Research

- A. Prepare a concise synopsis of the prehistoric

and historic cultural record of the physiographic area and the study unit as well as the local area within which the project is located (refer to A Comprehensive State Plan for the Conservation of Archaeological Resources, Volumes I and II, 1986). Discuss changing land use and settlement patterns for both the region and the local area.

- B. When feasible and relevant, reconstruct the changing pattern of the environment by period for the project area, based on recently published regional reconstructions of past environments.
- C. Review the results of background research, describing previous investigations, communications with collectors and other individuals, consultation of various site files, etc.
- D. Use the collected information to make predictions about what types of sites are expected in the project area and where.

VIII. Research Goals and Design

Describe research objectives and rationale and predictive model(s) used to locate sites.

IX. Field Methodology

- A. Limits of total project area versus area actually surveyed, if different.
- B. Sampling design and rationale.
- C. Testing methods and rationale.
- D. Include pertinent maps.

X. Field Results

- A. Review site stratigraphy.
 - 1. Include soils descriptions.
 - 2. Include pertinent maps and drawings.
- B. Summary of cultural features: include plans and profiles.

C. Describe site chronology.

XI. Artifact Description and Analysis

- A. Furnish a descriptive artifact inventory, by provenience and class/type.
- B. Use artifact tables to summarize large quantities of material, if feasible.
- C. Reference artifact identification sources.
- D. Include photographs and/or drawings of diagnostic artifacts.
- E. Summarize faunal and floral remains by species, condition and/or provenience, as appropriate.
- F. Summarize sample analyses, as appropriate.
- G. Discuss artifacts utilized in constructing site chronology.
- H. Discuss disposition of the collected data.
- I. Whenever possible, tables, figures, and photographs should be placed on the page following the reference or discussion in the text.

XII. Interpretations

- A. Discuss the elements of the background research, fieldwork, and artifact analysis that form the basis for interpretation.
- B. Discuss how the sites that were located relate to the archaeological record of the area.
- C. Discuss site function(s), distributions, and settlement patterns.
- D. Assess predictive models and other theoretical constructs, as appropriate.
- E. Assess the reliability of the data.
- F. Assess project results as compared to the goals and purposes of the study.

G. Discuss future research potential.

XIII. National Register Eligibility (for Phase II studies only)

Provide sufficient documentation for assessments of site eligibility (cf. attached bibliography). This should be a detailed statement describing significant research which could be conducted at this site, including methods.

XIV. Assessments of Possible Project Effects

- A. Discuss effects: utilize maps, when appropriate.
- B. Assess whether effects may be adverse (cf. attached bibliography).

XV. Recommendations

- A. No effect to archaeological resources.
- B. Additional investigation required to determine National Register eligibility and/or appropriate mitigation alternatives.
- C. Mitigation alternatives.
 - 1. Project avoidance.
 - 2. Monitoring.
 - 3. Data recovery.
- D. Other cultural resources appropriate for study by other professionals (i.e. architectural historians, folklorists, etc.)

XVI. Sources

- A. Referenced cited.
- B. Additional sources.
- C. Maps.
- D. Primary records.
- E. Personal communications.

F. Artifact collections.

XVII. Appendices

- A. Qualifications of authors and/or investigators: abbreviated resumes or vitae may be used. (If not on file with the BHP)
- B. Scope of work.
- C. Artifact inventory, by provenience or catalogue unit
- D. When collections will be donated or transferred to PHMC ownership, a deed or statement of artifact ownership (see Curation Standards).
- E. Tables, figures, and plates, if not incorporated into text. Whenever possible, such material should be placed on the page following the reference or discussion in the text.
- F. PASS forms.
- G. BHP Report Summary Forms
- H. Special reports and/or data.
- I. National Register of Historic Places Registration forms.
- J. Relevant communications with BHP including minutes of meetings.

Abbreviated Report Format

For projects covering an area of 5 acres or less, which are not stratified and where no sites are found, a shortened format is acceptable. This format should include an abstract which describes the nature of the project, the environmental setting (briefly) of the project area, method of testing, number of test units, and recommendations. The report format should approximate that shown below:

- I. Title page including project name, county, ER#, author and affiliation, client (agency), and date.
- II. Abstract (same as with standard report format)

III. Methodology

IV. Results and Recommendations

Appropriate maps (USGS 7½' with quad name shown) and graphics (e.g. photos of survey area) should also be included.

A BHP Report Summary Form must accompany the report.

PROFESSIONAL STANDARDS

Principal Investigator

In the conduct of archaeological field investigations, the following will be considered the minimum qualifications for a principal investigator responsible for supervising field and laboratory work and the preparation of the final report. These are established in 36 CFR 61:

(A) A graduate degree in anthropology, archaeology, or a closely related field.

(B) At least sixteen months of professional experience or specialized training in archaeological field, laboratory, or library research, including:

(1) at least four months of experience in general eastern North American archaeology, and

(2) at least six months of field experience in a supervisory role in eastern North America.

(C) A demonstrated ability to carry research to completion, usually evidenced by timely completion of thesis, reports, etc.

(D) For prehistoric, historic, or underwater archaeology, the principal investigator should have had at least one year of experience in research on the relevant period or specialization.

Field Supervisor

The field supervisor is responsible for the full-time direction of fieldwork and must be capable of conducting survey, testing, and excavation without the daily supervision of the principal investigator.

Field supervisors should have an advanced degree, at least 12 months of experience (field and laboratory) in North American archaeology, of which 4 months must be in a field supervisory position.

Specialists

Specialists in history, geomorphology, ethnobotany, zoology, etc. must have an advanced degree (e.g. masters degree and experience) in their specialities with experience in the analysis of archaeological materials.

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ARCHAEOLOGICAL CONSULTANTS

The following is a list of consultants who are available for archaeological services in Pennsylvania. The list is not exhaustive; it includes only those archaeologists who have asked to be listed as consultants. The Pennsylvania Historical and Museum Commission provides this list as a service to the public: no recommendation or guarantee of competence or experience is implied by listing other than that the principal investigator of each listed firm meets the minimum federal requirements as defined in 36 CFR 61. We suggest that prospective clients ask for credentials before contracting for professional services. Please contact Kurt Carr at (717) 783-8946 if you have any further questions.

General Consulting Companies:

3D/Environmental Services, Inc.
781 Neab Road, Suite 5
Cincinnati, OH 45233
513-922-8199
513-922-9150 FAX

Algonquin Archaeological Consultants,
Inc.
3327 Bishop Street
Cincinnati, OH 45220-2105
513-861-3313

Allegheny Archaeological Consultants
Contact: Eric Young
RD 2 Box 264
Oil City, PA 16301
814-354-2489

Appalachian Archaeological Research
1134 Mulberry Street
Montoursville, PA 17754
717-368-2178
717-368-2037

Archaeological & Historical
Consultants, Inc.
P.O. Box 482
101 N. Pennsylvania Avenue
Centre Hall, PA 16828
814-364-2135

Archaeological Research Consultants
Temple University
Department of Anthropology
Philadelphia, PA 19122
215-787-1417

Archaeological Services
Consultants, Inc.
P.O. Box 02095
Columbus, OH 43202
614-268-2514
614-268-7881 FAX

Michael Baker Jr., Inc.
Cultural Resources Section
Dr. Ronald C. Carlisle, Director
Airport Office Park
Building 3, 5th Floor
420 Rouser Road
Coraopolis, PA 15108
412-269-2049
412-269-2048 FAX

Thomas R. Baker, Ph.D.
Archaeological Consultant
RD #2, Box 545 D
Greensburg, PA 15601
412-834-7563

Carnegie Museum of Natural History
Section of Anthropology
5800 Baum Blvd.
Pittsburgh, PA 15206
412-665-2600
412-665-2602

Dr. Ronald L. Michael, Director
Center for Prehistoric and
Historic Sites Archaeology
Anthropology Section
California University of
Pennsylvania
California, PA 15419-1394
412-938-4045
412-938-4042

Isabelle Champlin
24 Storm Circle
Bradford, PA 16701
814-362-3237

Chesapeake Quaternary Incorporated
John H. Haynes, Jr.
P.O. Box 7122
Kill Devil Hills, NC 27948
919-441-4676

Donald J. Weir
Commonwealth Cultural Resources Group
(CCRG)
2530 Spring Arbor Road
Jackson, MI 49202-3602
517-788-3550
517-788-3426

W. Fred Kinsey, III, Ph.D.
Conestoga Valley Archaeological
Consultants
524 Saratoga Road
Lancaster, PA 17603
717-394-6981
717-299-2528 FAX

John L. Cotter, Ph.D.
Curator Emaeritus, Historical American
Archaeology
University Museum, University of
Pennsylvania
Philadelphia, PA 19104

Cultural Heritage Research Services,
Inc.
403 East Walnut Street, 2nd Floor
North Wales, PA 19454
215-699-8006

Cultural Resource Consulting Group 54
Woodbridge Ave.
Highland Park, NJ 08904
201-985-4380
201-985-5989 FAX

Jay F. Custer, Consulting
Archaeologist
701 Country Club Drive
Newark, DE 19711
302-737-5376

Dames & Moore
7101 Wisconsin Ave., Suite 700
Bethesda MD 20814-4870
Contact: Barbara J. Little, Ph.D.
301-652-2215

Christine Davis Consultants
Applied Research Center
790 William Penn Way
Pittsburgh, PA 15238
412-826-3210

Ecology & Environment, Inc.
Buffalo Corporate Center
368 Pleasantview Drive
Lancaster, NY 14086
716-684-8060
716-684-0844 FAX

Ecoscience
RR 4 Box 4294
Moscow, PA 18444
717-842-7631
717-842-9976 FAX

EMANCO Inc.
1403 Brittmoore Road
Houston TX 77043
713-467-7046
713-467-7049 FAX
contact: Dr. William P. Wenstrom

Engineering-Science, Inc.
Cultural Resource Division
1133 15th Street, N.W.
Washington, DC 20005-2701
202-775-3445
202-775-3483

GAI Consultants, Inc.
570 Beatty Road
Monroeville, PA 15146
412-856-6400

Garrow and Associates, Inc.
1101 Ligonier Street
P.O. Box 919
Latrobe, PA 15650
412-532-1860
412-532-1863 FAX

Geoarchaeology Research Associates
5912 Spencer Avenue
Riverdale, NY 10471
212-601-3861

R. Christopher Goodwin & Associates,
Inc.
337 East Third Street
Frederick, MD 21701
301-694-0428

Gray & Pape
Cultural Resources Consultants
1318 Main Street
Cincinnati, OH 45210
513-287-7700
513-287-7703 FAX

Greenhorne & O'Mara, Inc.
9001 Edmonston Road
Greenbelt, MD 20770
301-982-2800

Greenhouse Consultants Inc.
The Budd Building
20 Cherry Street
South Bound Brook, NJ 08880
201-302-0808

Richard Grubb and Associates, Inc.
420 W. Emmaus Avenue
Suite 166
Allentown, PA 18103
215-435-4525

-OR-

6059 Allentown Boulevard
Harrisburg, PA 17112
717-238-8303

-OR-

120 Franklin Avenue
Scranton, PA 18503
717-347-3833

-OR-

1554 Paoli Pike
West Chester, PA 19380
215-429-9311

Russell G. Handsman
Archaeological Consultant
P.O. Box 228
Harrisburg, 3 PA 17108

Hartgen Archeological Associates, Inc.
27 Jordan Road
Troy, NY 12180
518-283-0534
518-283-6276 FAX

Heberling Associates
415 Church Street
Huntingdon, PA 16652
814-643-1795
814-643-3014 FAX
Attn: Paul Heberling
Paul Raber
-OR-
140 Teece Avenue
Pittsburgh, PA 15202
412-766-0919 (Phone or FAX)
Attn: Scott Heberling

Heite Consulting
P.O. Box 53
Camden, DE 19934-0053
302-697-1789
800-777-9665

Hunter Research Associates
714 S. Clinton Avenue
Trenton, NJ 08611
609-695-0122
609-695-0147 FAX

Institute for Research and
Community Service
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CURATION GUIDELINES OF THE SECTION OF ARCHAEOLOGY,
THE STATE MUSEUM OF PENNSYLVANIA,
PENNSYLVANIA HISTORICAL AND MUSEUM COMMISSION

The following set of guidelines provides recommended methods for proper cleaning, labeling, and packing of materials to be presented to the Section of Archaeology, State Museum of Pennsylvania for curation. They provide a methodology to properly handle most assemblages of materials. Unique or individual curation problems should be handled by contacting the Section of Archaeology, State Museum of Pennsylvania for advice. Any other changes in procedure must be adequately justified and discussed with the Section of Archaeology prior to implementation.

CLEANING OBJECTS RECOVERED FROM ARCHAEOLOGICAL CONTEXTS

Artifacts with special conservation problems (e.g., charred basketry, fabrics, unusual metal objects, etc.) should be identified in the field, discussed with the PHMC, and stabilized prior to removal from the field location. Any questions concerning appropriate treatment of such materials should also be directed to the PHMC.

All artifacts to be deposited with the Section of Archaeology must be washed, or dry-brush cleaned (when washing would otherwise damage the object), inventoried, and catalogued. A randomly selected 5% sample of projectile points (spear and arrow tips), knives, and other prehistoric butchering tools should be dry-brush cleaned only, packed in labeled containers and clearly identified. Good judgement should guide the preparation of objects bearing visible residue(s), such as char on smoking equipment or pottery, which is worthy of preservation for future special analysis. If special analysis, such as carbon-14, blood residue, tobacco char, etc., is conducted prior to placement of the collection with The State Museum, a 5% random sample should be retained and appropriately packaged for future studies.

Corroded metal objects should be dry-brush cleaned and dried before being placed in separate plastic storage containers bearing interior and exterior labels as described in the following section. Objects should be kept separate from other artifacts from the same provenience.

LABELING

All objects larger than 1 sq. in. (2.4 sq. cm), except items that would be adversely affected by direct labeling (e.g. nut shells, decayed bone, fabrics, etc.), are to be labeled with permanent ink and the label affixed with an undercoat and overcoat of a clear sealer (see note below). It is particularly important that all diagnostic materials be labeled because these are the objects most likely to be examined by other researchers in the future. A label should not obscure important diagnostic features of an artifact. Unlabeled objects and items smaller than 2 sq. cm should be placed in an archival quality container, preferably a plastic vial, twist tied 4 mil. minimal thick polyethylene bags or a small box along with a label made with permanent ink on acid-free paper stock. An identical label should be written directly on the lid of boxes or on the plastic bags in permanent ink. These labels should include the site/catalog number and an inventory count of the materials included in the container. Unlabeled objects from different proveniences are not to be placed loose in the same containers. Whenever possible, containers should not exceed 12 x 9 x 6 in. to facilitate storage. However, several labeled vials or boxes of materials, each from a different provenience, may be placed in a larger box for the purpose of shipping. Certain large objects will not fit into 12 x 9 x 6 in. containers and these may be packed in larger containers. DO NOT break large objects to make them fit into smaller containers.

Grocery store "Baggies" and "Zip Lock" plastic bags are NOT acceptable containers. Baggies are too thin and easily break in transport, particularly when filled with sharp-edged lithics. Zip Lock bags do not remain closed. Spilling and mixing of unlabeled objects is a common problem with collections submitted for curation. Also, do not staple bags shut because staples often cause tears. Do not glue labels on containers, as these attract insects who feed on the glue (e.g., silverfish).

A recommended clear sealer to be used on directly labeled artifacts is a mixture of PVA (15%) and acetone (85%). Airplane dope, nail polish, etc., may also be used. An undercoat prevents ink from penetrating porous objects and facilitates future label corrections, if necessary.

The labeling system to be employed is that used by the Section of Archaeology, the State Museum of Pennsylvania. For example:

Site Number = 36Bk213
Catalog Number. Specimen Number = 145.X

Site numbers are assigned by the PHMC once Pennsylvania Archaeological Site Survey forms have been completed for each site. Sequential catalog numbers, beginning with "1", are assigned for EACH SITE to discrete provenience units (e.g., any feature or level within an excavation unit) employed by the archaeologist, with the exception of point-provenience data discussed below. Do NOT assign sequential catalog numbers ACROSS collections from different sites of one project (i.e., DO NOT label Site 1 remains with catalog numbers 1 to 14; Site 2, 15 to 34; Site 3, 35 to 48; etc.). ARCHAEOLOGISTS MUST CONTACT THE PHMC AND OBTAIN THE NEXT AVAILABLE SEQUENTIAL CATALOG AND/OR SPECIMEN NUMBERS FROM PREVIOUSLY COLLECTED, TESTED, AND/OR EXCAVATED SITES. A unique specimen number is applied only when it is deemed necessary for analyses or when discrete identification is required by contexts (e.g., for point-provenienced objects).

Catalog number "1", i.e.,

site number
1.specimen #

should be retained for all general surface or otherwise unprovenienced materials recovered from the site.

Objects that are point-provenienced in the field will be assigned to the general catalog number used for that particular provenience unit. For instance, all point-provenienced objects from the surface will carry the catalog number "1". However, each will also have a unique sequential specimen number (e.g., for specimens from surface contexts, the catalog number.specimen numbers would be 1.1, 1.2, 1.3, 1.4, . . . , 1.XXX, so that each object also have a unique label). Similarly, a point-provenienced object from a particular excavation unit and level will be labeled with the same catalog number as those not specifically point-provenienced, but it will also have a unique specimen number that distinguishes it from the rest. These objects should be listed with other materials from the same catalog unit when completing artifact inventory lists. Additionally, the archaeologist should provide exact provenience data for each point-provenienced object (e.g., see Artifact Inventory List below).

When there are large quantities (i.e. hundreds) of nondescript pieces of broken historic window glass, small brick fragments, plaster, and mortar from each level or feature within an excavation unit (i.e. each catalog number), these objects may be treated as if they are small objects and placed in containers with the appropriate interior and exterior labels. All diagnostic materials must be individually labeled if they meet the required size

guidelines.

Materials should be packed in polyethylene bags, boxes, etc., and sorted by artifact class (e.g., lithics, glass, ceramics, metal, etc.) or type (e.g., Madison points, Pearlware, cut nails, etc.) for each provenience/catalog unit. Rusted metal objects must be packaged separately from other objects in the same catalog unit. Corroded metal will disintegrate and re-soil cleaned objects. Bagged, sorted materials may be placed in a larger container by catalog unit for the purposes of shipping.

ARTIFACT INVENTORY LIST

TWO copies of Artifact Inventory Lists, providing both qualitative and quantitative descriptions of all artifacts for each provenience unit, must accompany submitted collections even if the same has been included in the final project report. The format for these lists follows.

ARTIFACT INVENTORY LIST

Site Name and Number: Strickler Site, 36 La 3
Project E.R. Number: 81-0642-015
Project Dates: 6/10/81 to 8/15/81
Collector: I. Jones Consultant, Inc.

CATALOG NO.	PROVENIENCE	ARTIFACT INVENTORY
36La3/1	surface	10 secondary flakes, black chert 1 hammerstone, sandstone 4 pc. animal bone 5 Madison points, PA Jasper
36La3/1.1**	@N7.5 E50.6	1 triangular arrow point, brass
36La3/1.2**	@N35.3 E72.1	1 glass bead, chevron style
36La3/1.3**	@S10.6 W11.5	1 conical "tinkler", brass
36La3/2	Feature 1	7 pc. animal bone 3 pc. clam shells 24 tertiary flakes, gray quartzite
36La3/3	N10 E15*	10 shell tempered, cord marked, body sherds
	0-10 cm b.s.	2 hammerstones, gneiss
		4 animal bones
		7 pc. oyster shell
36La3/3.1**	@N12.4 E18.8	1 triangular arrow point, brass
	6 cm b.s.	
36La3/3.2**	@N14.1 E16.7	1 brass coil
	9 cm b.s.	

etc.		

If a page break occurs within a catalog number list, repeat the appropriate catalog number and provenience information at the top of the continued list on the next page.

*In this case, 5x5m excavation units were assigned a label corresponding to their southwest corner coordinate. The archaeologist should describe the unit labeling system employed.

**Examples of point-provenienced objects.

Photographic Materials

Photographic negatives and positive prints that are turned over to the Section of Archaeology, the State Museum of Pennsylvania, must be accompanied by a separate catalog sheet (i.e. separate from the captions listed in the report). Color slides must also be accompanied by separate catalog sheets. Each positive print and color slide must bear an independent identification number written in pencil which corresponds to a description of the photograph on the catalog sheet (Figs. 2-5, note: penciled identification number is placed on the photograph and in "Catalog or Cat. No." column on the form and the PHMC will assign a permanent Cat. No. when the photographs are received).

Fieldnotes, Worksheets, Maps, and Other Documents

All original documents pertaining to project excavations, INCLUDING A COPY OF THE FINAL REPORT, must accompany the collection when it is submitted to the Section of Archaeology. Preferably, notes, etc., should be in ink or typed. Pencil notes, maps, etc., are also acceptable, but must be accompanied by clear xerox copies to insure preservation of the penciled data.

Required Documentation of Ownership

When archaeological materials are given to the Section of Archaeology, the State Museum of Pennsylvania for curation, the following information concerning ownership of the collection MUST accompany the materials:

- 1) If the work was conducted on Commonwealth of Pennsylvania properties, a copy of the signed contract with the state agency authorizing the work must be submitted with the objects to the Section of Archaeology, the State Museum of Pennsylvania.
- 2) If the work was conducted on privately owned property, copies of all easements and permission forms to conduct the work, and especially a gift agreement from the

owner(s) of the property (Fig. 6 provides an example of a gift agreement) MUST be submitted along with the collection. We also request that a copy of the signed contract be provided, when possible, to document the project history. The project budget need not be included with this copy.

The Commonwealth of Pennsylvania must have clear title to all objects in its collections.

CURATION FEE

All environmental review (ER) projects dating to or after July 1, 1991 are subject to a curation fee at the fixed rate of \$250.00 per cubic foot. Collections smaller than one cubic foot will be assessed at the minimum rate of \$250.00. When archaeological collections are delivered to The State Museum of Pennsylvania, they will be checked for conformity to specifications provided for in the Curation Guidelines. If acceptable, collections will be further processed by Section of Archaeology staff and prepared for storage. A curation fee will then be calculated for cubic feet of storage required to house artifacts, notes, photographs, maps, and any other collection related materials.

Project sponsors and/or state and federal agencies will be invoiced for the curation fee directly by the Section of Archaeology. All checks must be made payable to: The State Museum of Pennsylvania. Final project clearance will not be granted until all products of compliance projects, including draft reports, final reports, curation-ready collections, and curation fees, have been received by The State Museum of Pennsylvania and the Bureau for Historic Preservation.

CHECKLIST FOR COLLECTION SUBMISSION TO THE SECTION OF ARCHAEOLOGY, THE STATE MUSEUM OF PENNSYLVANIA

 PASS numbers obtained for each site collection before submission.

 Artifacts cleaned; rusted or dry-brushed artifacts separated from cleaned remains.

 All artifacts greater than 1 sq. in. (2.4 sq. cm) directly labeled using Section of Archaeology style with exception of those noted in the curation guidelines.

 Materials packed in polyethylene bags, boxes, etc., and sorted by artifact class or type within each cataloged unit.

 Materials packed in larger containers in cataloged/provenience unit numeric order.

_____ Bags or containers labeled in permanent ink with site number, catalog number, and provenience data.

_____ Items requiring special conservation treatment separated from the collection and noted.

_____ Field notes submitted with collection.

_____ Field maps submitted with collection.

_____ Other notes or drafted maps submitted with the collection.

_____ B&W prints, negatives, color slides submitted in style described in curation guidelines.

_____ Film catalogs submitted with photographic materials as described in curation guidelines.

_____ Duplicate Artifact Inventory Lists submitted with collection, listing all items by and from each catalogs/provenience unit.

_____ ER# and PASS#'s provided with artifact inventory and labeled on exteriors or shipping boxes.

_____ A copy of the FINAL REPORT included with the collection.

_____ Copies of contract and other legal documents for the project (excluding budget if appropriate) included with collection records.

_____ Copies of gift agreements clarifying ownership included with collection records.

Figure 5: Gift Agreement Form. This is in quadruplicate and will be provided by the PHMC.

PENNSYLVANIA HISTORICAL AND MUSEUM
COMMISSION

ACCESSIONS FORM AND GIFT AGREEMENT

UNIT ACC. NO. _____ MASTER ACC. NO. _____

This must accompany all accessions

SOURCE: _____ DATE RECEIVED: _____

ADDRESS: _____ ACCEPTED BY: _____

NUMBER OF ITEMS: _____

CERTIFICATE OF GIFT

I hereby unconditionally give, donate, bestow and set over unto the Commonwealth of Pennsylvania, Pennsylvania Historical and Museum Commission, the property described on this paper or appended inventory to be used/or disposed of by said organization in their unrestricted discretion; and for myself, my distributees and personal representatives, I waive all present or future rights in, to or over said property, its use or disposition.

I further understand that formal acceptance of this property by the Commonwealth of Pennsylvania is dependent upon review by the Committee for Accessions of the PHMC to determine its suitability for inclusion with the permanent holdings of the Commonwealth. In the event of a rejection of this property or any part thereof, such items will be returned immediately by representatives of the PHMC at its own expense. Formal acknowledgement of accepted items will be made by the Executive Director of the PHMC.

SIGNATURE: _____ DATE: _____

INVENTORY OF OBJECTS

APPENDIX II

APPLICABLE SECTIONS OF EXISTING ORDINANCES

LOWER WINDSOR TOWNSHIP

SUBDIVISION AND LAND DEVELOPMENT ORDINANCE

- dd) Typical cross-sections and centerline profiles for each proposed street.
- ee) Engineering designs of any new bridges or culverts proposed in the tract.
- ff) A drawing of all present and proposed grades and facilities for storm water drainage. To include documentation of the amounts of storm water generated and peak velocity attained.

s.403 Feasibility Report on Sewer and Water Facilities

Sewer Facilities -- The developer shall submit a Feasibility Report in duplicate concerning the availability and/or adaptability of sewer and water facilities in or near a proposed land development. Said report shall be prepared by a Registered Professional Engineer if requested by the Township and be submitted in conjunction with the Preliminary Plan for review and recommendations by the local office of the Pennsylvania Department of Environmental Resources.

The Feasibility Report shall consist of an examination of possible connection to an existing sewerage system and water supply system. The study shall include the distance from the nearest public sewer and public water and the capacity of the existing system to accommodate the proposed land development.

If the above method of sewerage disposal is found to be feasible, formal application shall be made to the Commonwealth of Pennsylvania, Department of Environmental Resources and a permit obtained from the Bureau of Water Quality Management prior to the construction of sewers or treatment facilities.

The Board of Supervisors will approve on-site sewage disposal systems only when the Department of Environmental Resources certifies the suitability of the land for on-site sewage disposal. The soil absorption tests shall be performed in accordance with the regulations of the Pennsylvania Department of Environmental Resources and shall be certified by the sewage enforcement officer and/or a sanitarian of the Pennsylvania Department of Environmental Resources.

Water Facilities -- The Poard of Supervisors will approve individual on-lot water supply systems only when the Feasibility Study indicates that:

- Justification of the project necessitates consideration of this method.
- The water supply yield is adequate for the type of development proposed.

- The installation of such systems will not endanger or decrease groundwater supplies of properties adjacent to the land development.

In the case of land developments of five (5) or fewer dwellings existing or proposed the water supply feasibility study is not required.

s.404 Plan for Control of Erosion and Sedimentation

The applicant shall submit a plan in duplicate concerning the control of erosion and sedimentation on or nearby a proposed development. Said plan is to be prepared by a person trained and experienced in erosion and sedimentation control methods and techniques and be submitted in conjunction with the Preliminary Plan for review and recommendations by the local office of the Pennsylvania Department of Environmental Resources.

The plan shall be designed to prevent accelerated erosion and sedimentation and shall consider all factors which may contribute to erosion and sedimentation in connection with the land development.

The plan shall also contain any additional information as required by Chapter 102 of Title 25 of the Pennsylvania Code.

s.405 Final Plan Requirements

The Final Plan shall be submitted with an Application for Subdivision and Land Development Approval.

Final Plans shall conform in all important details with Preliminary Plans as previously approved, and any conditions specified in the approval of Preliminary Plans shall be incorporated in the Final Plans.

The Final Plan shall be drawn on linen or mylar material (sheet size = 22" x 36") at a scale of either fifty (50) feet to the inch or one hundred (100) feet to the inch and shall include the following information.

- a) Land development name or identifying title.
- b) Municipality in which the land development is located.
- c) North point, scale and date.
- d) Name and address of the developer.
- e) Name and seal of the Registered Professional Engineer or Surveyor responsible for the plan attesting to the fact that survey data and plans are correct.

- Accurate location of individual significant trees.
 - Accurate existing and proposed ground elevations in relation to these trees. Tree guards during construction and grading limitation of cuts and fills, both temporary and permanent near the trees may be required as necessary to give reasonable assurance of their continued healthy growth.
- b) Land subject to flooding or other hazards to life, health, or property and land deemed to be topographically unsuitable shall not be platted for residential occupancy or for such other uses as may increase danger to health, life or property or aggravate erosion or flood hazard until all such hazards have been eliminated or unless adequate safeguards against such hazards are provided by the land development plans. Such land within the development shall be set aside on the plan for uses as shall not be endangered by periodic or occasional inundation or shall not produce unsatisfactory living conditions.

Where flooding is known to have occurred within the area shown on the plan, such area shall be clearly marked "subject to periodic flooding."

No subdivision and/or land development, or part thereof, shall be approved if the proposed development and/or improvements will, individually or collectively, increase the Base Flood elevation more than one (1) foot at any point.

Building sites for residences or any other type of dwelling or accommodation shall not be permitted in any floodway area. Sites for these uses may be permitted outside the floodway area if the sites or dwelling units are elevated to a height at least one (1) foot above the Base Flood elevation. If fill is used to raise the elevation of a site, the fill area shall extend out laterally for a distance of at least fifteen (15) feet beyond the limits of the proposed structures.

Building sites for structures or buildings other than for residential uses shall also not be permitted in any floodway area. Also such sites for structures or buildings outside the floodway shall be protected as provided for in the preceding paragraphs. However, the Township Supervisors may allow the subdivision and/or development of areas or sites for commercial and industrial uses at an elevation less than one (1) foot above the Base Flood elevation if the developer otherwise protects the area to that height or assures that the buildings or structures will be floodproofed at least up to that height.

- Sanitary sewers shall not be used to carry storm water.
- Where there is no existing public sanitary sewer system and the feasibility report indicates that a public sanitary sewer system and treatment plant is not feasible, the adequate provision of on-site subsurface or alternate sewage disposal systems approved by the Pennsylvania Department of Environmental Resources must be investigated.
- All new or replacement sanitary sewer systems located in flood-prone areas, whether public or private, shall be floodproofed up to an elevation one (1) foot above the base flood elevation.
- If on-site subsurface or alternate sewage disposal systems approved by the Pennsylvania Department of Environmental Resources or connection to a public sanitary sewer system or installation of a public sanitary sewer system are not feasible, the development shall not be approved.

s.511 Water Supply

- a) Requirements - Based upon the results of the feasibility report, the development must be provided with water supply facilities as follows:
- Where there is an existing public water supply system on or within one thousand (1,000) feet of the proposed development a complete water main system connected to the existing public water supply system must be provided, or
 - Where there is no existing public water supply and the feasibility report indicates that connection to a public water supply system is not feasible, each lot in the development must be provided with an individual water supply system in accordance with minimum standards approved by the Pennsylvania Department of Environmental Resources.
 - All new or replacement water systems located in flood-prone areas, whether public or private, shall be floodproofed to a point one (1) foot above the base flood elevation.

s.512 Storm Drainage

- a) General Requirements - Adequate storm sewers, culverts, and related facilities must be provided, as necessary, to:

- Permit the unimpeded flow of natural watercourses.
- Ensure the drainage of all low points along the line of streets.
- Intercept storm water runoff along streets at intervals reasonably related to the extent and grade of the area drained.
- Provide adequate drainage away from on-site sewage disposal facilities.
- Control the rate and volume of discharge of storm water after development to pre-development levels during 2, 5, 10, 25, 50 and 100 year storms.

Storm drainage facilities must be designed not only to handle the anticipated peak discharge from the property being developed, but also the anticipated increase in runoff that will occur when all the property at a higher elevation in the same drainage basin is fully developed. Soil Conservation Service Technical Release No. 55 shall be utilized for drainage provisions.

- b) Lot Drainage - Lots shall be laid out and graded to provide positive drainage away from new and existing buildings.
- c) Nearby Existing Facilities - Where adequate existing storm sewers are readily accessible, the developer must connect his storm water facilities to these existing storm sewers.
- d) Open Drainageways - When open drainageways are used for the disposal of storm water, the Township shall review the design of such open drainageways in relation to the following:
 - Safety: Steep banks and deep pools shall be avoided.
 - Erosion: Adequate measures shall be taken, such as seeding, sodding, paving, or other measures as necessary to prevent the erosion of banks and the scouring of the channel bottom.
 - Stagnation: Design of open drainageways shall not create stagnant pools or swampy areas.

Whenever the evidence available to the Township indicates that natural surface drainage is inadequate, the developer shall install a storm water sewer system in accordance with approved plans and profiles. The system shall be designed by a Registered Engineer and be approved by the Township.

Approval: Drainage structures for areas of more than three hundred twenty (320) acres shall be subject to approval by the Pennsylvania Department of Environmental Resources.

- e) Abutting Properties - In the design of storm drainage facilities, special consideration must be given to preventing excess runoff onto adjacent developed or undeveloped properties. When a storm drainage outlet will discharge upon another property, the developer must secure the approval in writing of adjoining affected owners. In no case may a change be made in the existing topography which would:
- within a distance of twenty (20) feet from a property line to the beginning of the slope result in increasing any portion of the slope to more than seventy (70) percent.
 - result in a slope which exceeds the normal angle of slippage of the material involved.

All slopes must be protected against erosion.

- f) Drainage Onto Streets - In order to minimize surface water drainage onto streets, all grading must be designed to accomplish the following:

-- Gutters Adjacent to Shoulders

When gutters are provided in cut areas the water shall not encroach upon the shoulder during a ten (10) year frequency storm of five (5) minute duration. Frequent and/or sustained flooding of the sub-base shall be avoided.

-- Curbed Sections

The maximum encroachment of water on the roadway pavement shall not exceed half of a through traffic lane or one (1) inch less than the depth of curb during a ten (10) year frequency storm of five (5) minute duration.

Inlets shall be provided to control the encroachment of water on the pavement.

s.513 Other Utilities

- a) Easements, Width and Location - Easements with a minimum width of twenty (20) feet shall be provided for poles, wires, conduits, storm and sanitary sewers, gas, water and heat mains and/or other utility lines intended to service the abutting lots. No structures shall be placed within such easements. To the fullest extent possible, easements shall be centered on or adjacent to rear or side lot lines.

- c) Underground Installations - In the developments of three or more lots, electric, telephone and all other utility facilities shall be installed underground. The developer shall be required, prior to Final Plan approval, to obtain a letter from the appropriate utility company confirming that the developer has entered into an agreement to provide for an underground electric and telephone system in accordance with the Pennsylvania Public Utility Commission Investigation Docket #99, as amended, or has obtained a waiver from said Pennsylvania Public Utility Commission to allow overhead electric and telephone facilities.
- c) Natural Gas Lines - All natural gas lines must be installed in compliance with the USAS Code B31.8, 1968 as amended. The minimum distance from a natural gas line to a dwelling unit must be as required by the applicable transmission or distributing company.
- d) Petroleum Lines - Between a proposed dwelling unit and the centerline of a petroleum products transmission line which may transverse the development, there must be a minimum distance of fifty (50) feet measured in the shortest distance.
- e) Floodproofing Of All Utilities - All new or replacement public and/or private utilities and facilities in flood-prone areas shall be elevated or flood-proofed to a point one (1) foot above the base flood elevation.

s.514 Other Public Sites

In large-scale land developments the dedication of sites for other appropriate public uses, such as but not limited to schools, library, recreation and public service buildings, may be required. Such areas or sites must be of a character, extent, and location as to be clearly related to the local and neighborhood needs of the residents of the development. No land may be required for dedication which would primarily serve the need of the Township as a whole as distinguished from the development or neighborhood.

s.515 Watercourses and Drainageways

Where a land development is traversed by a watercourse, stream, channel or other drainageway, the developer must provide a drainage easement conforming substantially to the existing alignment of the drainageway. The easement must be a width adequate to:

- Preserve the unimpeded flow of natural drainage.
- Widen, deepen, relocate, improve or protect the drainageways.
- Install a storm water sewer.

Any changes in an existing watercourse, stream, channel or other drainageway must be approved and a permit issued by the Pennsylvania Department of Environmental Resources, Dams and Encroachment Division. Notification of permitted changes shall be forwarded by the Township to all affected adjacent communities, the Pennsylvania Department of Community Affairs and the Federal Insurance Administration.

Under no circumstances may any watercourse be altered such that the carrying capacity of the stream is reduced.

.604 Street Trees

In developments where the developer desires to provide street trees, the trees should be:

- Of a minimum caliper of one and one-half (1 1/2) inches.
- Planted between the sidewalk and setback line at least five (5) feet from the sidewalk.
- Uniformly spaced not less than fifty (50) feet nor more than one hundred (100) feet apart along the entire length of each street within the development.

.605 Street Lights

For the safety, convenience, and attractiveness of the development, on-site or public street lights shall be installed as extensions to such previously existing facilities.

Where electric service is supplied by underground methods, and prior to the installation of streets, curbs, sidewalks and driveways, the subdivider shall provide and install conduits where necessary to accommodate the installation of a street lighting system. Installation and location of conduits shall comply with the specifications of the appropriate public utility.

.606 Sewage Disposal

- a) Where a public sanitary sewer system is accessible to or plans approved by the Board of Supervisors provide for the installation of such public sanitary sewer facilities within four (4) years, the developer shall provide the development with a complete sanitary sewer system ready to be connected to the existing or proposed sanitary sewer system.
 - The plan for the installation of a sanitary sewer system must be prepared for the development and approved by the Township Engineer and the Pennsylvania Department of Environmental Resources. The Township Engineer must inspect the sewer line before it is covered over. Upon completion of the sanitary sewer installation, reproducible plan for the system as built must be filed with the Township.
 - Any sewer pipe main must be at least eight (8) inches in diameter and any sewer lateral must be at least four (4) inches. Storm sewers may not be connected with sanitary sewers.

s.608 Floodproofing Of All Other Utilities

All other new or replacement public and/or private utilities and facilities in flood-prone areas shall be elevated or floodproofed to a point one (1) foot above the base flood elevation.

s.609 Storm Drainage

Whenever the evidence available to the Board of Supervisors indicates that natural surface drainage is inadequate, the developer shall install a storm water sewer system in accordance with approved plans and profiles. The system shall be designed by a Registered Engineer and be approved by the Township Engineer.

s.610 Fire Hydrants

a) Fire hydrants shall be installed if their water supply source is capable to serve them in accordance with the requirements of the local fire authority.

b) Fire hydrants, if provided, shall be located within six hundred (600) feet of any dwelling unit or structure open to the public. Fire hydrants shall be installed in accordance with all applicable regulations.

s.611 Completion of Improvements or Guarantee Thereof Prerequisite to Final Plan Approval

No plan shall be finally approved unless the streets shown on such plan have been improved as may be required by this Ordinance and any walkways, curbs, gutters, street lights, fire hydrants, shade trees, water mains, sanitary sewers, storm drains and other improvements as may be required by this Ordinance have been installed in accordance with such Ordinance. In lieu of the completion of any improvements required as a condition for the final approval of a plan, the developer shall deposit with the Township a corporate bond, or other security acceptable to the Board of Supervisors under recommendation of the Township Engineer and Solicitor in an amount sufficient to cover the costs of any improvements which may be required. Such bond, or other security shall provide for, and secure to the public the completion of any improvements which may be required within one (1) year of the date fixed in the subdivision plan for the completion of such improvements. In the case where development is projected over a period of years, the Board of Supervisors may authorize submission of Final Plans by section or stages of development subject to such requirements or guarantees as to improvements in future sections or stages of development as it finds essential for the protection of any finally approved section of the development.

where the water connection will approximate a vertical position, thereby insuring the shortest water connection possible and decreasing susceptibility to water pipe freezing.

2. The water-riser pipe shall have a minimum inside diameter of one half (1/2) inch and terminate at least four (4) inches above the ground surface. The water outlet shall be provided with a cap when a mobile home does not occupy the lot.
3. Adequate provisions shall be made to prevent freezing of service lines, valves and riser pipes and to protect risers from heaving and thawing actions of ground during freezing weather. Surface drainage shall be diverted from the location of the riser pipe.
4. A shut-off valve below the frost line shall be provided near the water riser pipe on each mobile home lot. Underground stop-and-waste valves are prohibited unless their type of manufacture and their method of installation are approved.

s.709 Sewage Disposal

a) General Requirements

An adequate and safe sewerage system shall be provided in all parks for conveying and disposing of sewage from mobile homes, service buildings and other accessory facilities. Such system shall be designed, constructed and maintained in accordance with the Pennsylvania Department of Environmental Resources and/or local health regulations.

b) Individual Sewer Connections

Provisions shall be made for capping the sewer riser pipe when a mobile home does not occupy the lot. Surface drainage shall be diverted away from the riser. The rim of the riser pipe shall extend at least one half (1/2) inch above ground elevation.

c) Sewer Lines

All sewer lines shall be located in trenches of sufficient depth to be free of breakage from traffic or other movements and shall be separated from the park water supply system.

d) Sewage Treatment and/or Discharge

Where the sewer lines of the mobile home park are not connected to a public sewer, all proposed sewage disposal

s.806 Penalties

No lot in a land development shall be sold, rented, leased or conveyed in any manner; no permit to erect, alter or repair any building upon land in a land development shall be issued; and no building shall be erected in a land development until a Final Plan of such land development has been approved and properly recorded and until improvements have been either constructed or guaranteed.

Any person, co-partnership or corporation who shall develop any lot, tract or parcel of land, layout, construct, open or dedicate any street, sanitary sewer, storm sewer or water mains, for public use or travel, or for the common use of occupants of buildings abutting thereon, sell, rent, lease, or convey in any manner any lot or erect any building in a land development without first having complied with the provisions of this Ordinance shall be guilty of a misdemeanor.

Upon conviction of such misdemeanor, such person, or the members of such co-partnership, or the officers of such corporation, responsible for such violation, shall be sentenced to pay a penalty of not exceeding one thousand (\$1,000) dollars per lot or parcel or per dwelling within each lot or parcel.

The Board of Supervisors may initiate and maintain civil action to obtain a writ of injunction against the owner or agency who is in violation of any provision of this Ordinance, or who attempts the improper sale or conveyances of land; and in proper cases to set aside and invalidate any conveyances or agreements to convey land made prior to final plan approval of any subdivision or land development.

Nothing herein shall prevent the Board of Supervisors from taking such other action necessary to prevent or remedy any violation.

s.807 Appeals

The procedures for securing review of any ordinance, decision, or determination is set forth in Article X of the Pennsylvania Municipalities Planning Code, Act 247 of July 31, 1968, P.L. 805, as amended.

s.808 Flood Warning and Disclaimer of Liability

The degree of flood protection sought by the provisions of this Ordinance is considered reasonable for regulatory purposes and is based on acceptable engineering methods of study. Larger floods may occur on rare occasions. Flood heights may be increased by man-made or natural causes, such as ice jams and bridge openings restricted by debris. This

APPENDIX III

**APPLICABLE SECTIONS OF
LOWER WINDSOR TOWNSHIP COMPREHENSIVE PLAN**

Rural Agriculture Areas

Farming plays a significant part in the livelihood of many Township residents, thus over 7,191 acres or almost forty-five percent (45%) of the land area of Lower Windsor Township is proposed to remain in rural agricultural land usage. These areas consist principally of the agricultural lands and associated farmsteads within the Township and also include some of the county's best farmland.

Some of the existing rural land in Lower Windsor is proposed for development to meet the future land use needs of the Township. However, as more and more land is taken out of farming for development purposes the availability of land for future agricultural use becomes more scarce. Thus in order to protect the livelihood of Lower Windsor's existing agricultural operations and to ensure a supply of land for expanded future agricultural productions it is imperative that the rural-agriculture lands remain as open farmland and relatively undeveloped scenic countryside. Since creating exclusive agricultural areas may not be realistic to achieve, it is recommended that the Township permit limited growth in the form of isolated rural residences within the areas designated as Rural-Agriculture.

In order to ensure that accelerated growth will not occur in these areas it is proposed that the Township develop some techniques of land use regulations which meet the following criteria:

- * Prime agricultural lands should not be wasted.
- * Conflicts with farming operations should be minimized if not completely eliminated.

- * Services beyond those required for agricultural operations should not be necessitated by the placement of rural residences.
- * The value of agricultural lands should be stabilized at a level where they would be available and obtainable for future farm production.

If the land use regulations to be developed can meet these criteria then it is expected that rural residences could coexist with agricultural operations and thus ensure the availability of farmland for future farm production.

Residential Areas

The Plan proposes that the majority of future residential development occur in areas adjacent to and as extensions of existing residential neighborhoods in Lower Windsor Township. The amount of land in each area reflects the anticipated rate of development. In total the Residential areas comprise approximately 3,893 acres or twenty-four percent (24%) of the Township's land area. Of this amount about 2,439 acres are undeveloped.

Within the residential areas a variety of housing types and densities may be encouraged, particularly if public utilities and services become available. The actual development, however, is expected to occur through a transitional process. The process is envisioned as having started out with low density development and then proceeding through a low to medium density development at selected locations within the proposed residential areas. The three (3) stages of development can generally be characterized as follows:

Stage one (1) will generally consist of low density residential development in the form of single family subdivisions with minimum lot sizes of 37,500 square feet. Most of this development will occur prior to the installation of public water and sewer systems.

The next stage in the development of the residential areas is expected to be low to medium density. This stage will also most likely be in the form of single family subdivisions, however the density is expected to increase to two (2) dwelling units per acre. Prior to the construction of dwellings; at this density the proposed sites should have a full range of community services available and be provided with public sanitary sewers.

The provision of both public water and public sewer systems will bring about the potential for medium to high density residential projects which is the final stage. This type of development generally materializes in the form of townhouses and other multi-family structures. It is recommended that this development be limited to a density of no more than three (3) to eight (8) dwelling units per acre. The criteria for the location of these medium density projects should include the availability of public utilities and proper location with respect to accessibility to transportation facilities for travel to places of employment and shopping as well as the provision of open space areas for buffers. The installation of public water and sewer systems which is necessary to facilitate medium to high density development in the Township seems remote when viewed in terms of the time-frame for which this plan is intended.

Proper development of the residential areas will be heavily dependent upon four (4) principal factors: sound land use regulations (zoning); strict enforcement of the subdivision and land development regulations to achieve adequate improvements; the provision of municipal utility systems; and, where appropriate, the utilization of flexible residential development techniques.

The zoning regulations for the residential areas should not allow for an indiscriminant mix of commercial and other nonresidential uses and they should be designed so as to encourage residential development in these areas rather than other areas of the Township. The subdivision and land development regulations should ensure that all residents of these areas will have an adequate level of improvements such as streets, sidewalks, curbs and utilities prior to moving in. However, the regulations should not set improvements' specifications at such high levels that builders would not be able to provide homes at varying price levels. In this regard the provision of public utility systems will be necessary in order to achieve varying types and densities of development. Finally, residential development techniques such as cluster development and planned residential projects should be encouraged in the residential areas in order to counter the monotony of conventional development techniques.

Village Areas

The Plan proposes two (2) Village areas; one (1) encompassing the village of Craley and another encompassing the village of Delroy

and extending westward to the Windsor Township line. These areas comprise about five percent (5%) of the Township's land. Approximately four hundred fifty-one (451) acres are available for future development.

Presently there is a compatible intermixing of commercial and residential land uses within these areas including a variety, although limited number, of small commercial businesses, professional services and quasi-public uses plus multi-family and single family dwellings. In essence these are the hubs of activity in their respective areas.

The Village concept is aligned with the present development in the designated areas and is designed to limit strip commercial development in the municipality. Villages are also viewed as possible future sewer service areas thus the village function should be enhanced in these locations.

In keeping with the Village concept the proposed villages are envisioned as mixed use areas which provide for the continuation of existing residential and commercial uses as well as encourage the development of a variety of housing types, service functions and complementary convenience commercial functions to satisfy the needs of local residents. Such activities may be developed either through new construction or through the conversion of existing buildings. Commercial uses not compatible with a residential area, particularly those which generate high volumes of traffic, however are not considered to be appropriate for the Village area.

Commercial Areas

Although many of the goods and services needed by the residents of Lower Windsor Township may be obtained in the nearby urban areas, there still exists a market within the Township for commercial services. In addition, long range prospects indicate a demand for some new commercial development to serve developing residential areas. The Plan thus proposes two (2) specific areas for locating such land uses. One such area is located just south of East Prospect Road and east of Red Front Road while the other is located along East Prospect Road in the vicinity of Margareta Furnace. Together these areas comprise approximately four hundred thirteen (413) acres or three percent (3%) of the Township's total land area. About three hundred eighty-one (381) acres are available for future development.

The areas designated as Commercial on the Land Use Plan Map are proposed to provide for neighborhood shopping centers as well as for large scale commercial activities that are considered to be too intensive for the Village areas. The specific uses to be accommodated for in the commercial area are meant to serve local and regional residents as well as those motorists passing through the Township. Uses of this nature include, but are not limited to, such activities as retail businesses; personal service businesses; offices; vehicle sales, service and/or repair; gasoline stations; motels; eating establishments and laundry and dry cleaning establishments.

Since some of the lands designated as Commercial for future use are presently occupied by light industrial uses the Plan proposes to provide for the continuation of such uses as well as for the development of new light industrial activities within the commercial areas. As for new development, the term "light industrial" is envisioned to provide for the location of low intensity industrial uses with limited external effects. Uses of this nature include machine shops; welding shops; repair shops; self-service storage facilities; manufacturing and storage operations involving printing and publishing, soft drink bottling, packaging of products in the form of powder or other dry state, sewing apparel, assembly of electronic apparatus, instrument making, tool and die making, cabinet making; enclosed processing and packaging establishments and similar activities. Although such uses are generally considered to be compatible with commercial activity, it is recommended that appropriate design standards be set forth for light industrial uses to assure compatibility and to reduce the likelihood of adverse impacts on the surrounding Residential and Rural Agricultural areas.

Because of the nature of the commercial and light industrial developments, they can also have a significant impact in regard to generating additional types of development and creating a need for expanded levels of water, sewer, police, fire and transportation facilities. Thus the main objective of this Plan is to confine new commercial and light industrial activities to a central location in an effort to minimize traffic problems and conflicts with adjacent land uses as well as to provide for a more

cohesive development pattern. In achieving this objective all prospective proposals for commercial and light industrial development should be closely examined and carefully regulated especially if they do not conform to the adopted Land Use Plan.

Industrial Areas

Approximately two hundred twenty-one (221) acres or one percent (1%) of the total Township land area is proposed for industrial development. The lands designated as Industrial are located between Red Front Road and the Windsor Township line just south of East Prospect Road. A concentration of industrial activity presently exists in this area and is expected to continue. Thus it is felt that additional lands should be reserved in this vicinity for future industrial development.

The Industrial area is proposed to accommodate the location and development of a wide range of industrial and other land intensive activities. Examples of these uses include light manufacturing; general manufacturing; solid waste disposal facilities; scrap processing/junkyards; warehousing; heavy equipment sales, service and/or repair such as excavation machinery, commercial trucks, buses and similar machinery; wholesale trade; truck or motor freight terminals and research or testing laboratories. However due to the possible environmental impact of these uses, it is recommended that industrial development be closely examined and carefully regulated to assure that air, water and noise pollution problems are avoided.

Waterfront Recreation Areas

The proposed Waterfront Recreation area covers approximately two hundred seventy-nine (279) acres of land and accounts for roughly two percent (2%) of the total Township area. This area is situated along the Susquehanna River and encompasses the villages of Leibharts Corner and Long Level.

Generally the Waterfront Recreation area is characterized by riverfront properties occupied by a mixture of seasonal and year-round dwellings, public and semi-public recreational type uses and a variety of commercial establishments primarily including marinas, boat storage facilities, bait shops, boat rentals and snack bars. It is expected that these uses, which are all oriented toward providing adequate riverfront recreation, will continue to exist in harmony with one another. Considering that this area provides recreation for the surrounding region as well as for the residents of Lower Windsor, it is also expected that the demand for additional quasi-public and commercial recreational facilities will increase. The Plan thus encourages the on-going development of this area in a manner consistent with existing development so that the rural recreational character of the area will be retained.

Although development is encouraged in the Waterfront Recreation area, each development proposal should be carefully scrutinized as to its impact on the area. Much of the land in this category is located in the one hundred (100) year floodplain; therefore conservation measures, especially floodplain management and

erosion and sediment control regulations, should be strictly enforced.

Conservation Areas

The Plan proposes that various areas be designated as Conservation for future use. These areas include stream valleys and floodplains as well as the adjacent steep slopes, woodlands and soils with inadequate drainage characteristics. The proposed Conservation areas cover over 3,273 acres of land which accounts for over twenty percent of (20%) the total Township area.

Generally, the Conservation areas can be characterized as lands which are unsuited for most types of development activities. Due to the natural features of these lands they should be considered as being environmentally fragile and therefore future development activities in these areas should be strictly limited.

In Lower Windsor Township, the Conservation lands are envisioned as consisting primarily of agricultural and undeveloped land usages with very low density residences being accommodated only where favorable environmental conditions exist. If the Conservation areas can be achieved to the extent proposed in the Plan then the residents of Lower Windsor as well as neighboring communities will be able to share in the following benefits:

- * By maximizing ground cover and limiting development activities, the amount of storm water runoff will be minimized thus providing an important flood control measure.
- * By minimizing the extent of development within the watershed areas, future water supply sources such as reservoirs and groundwater recharging will be better insured.
- * Protection of natural habitats for wildlife.

- * Preservation of the natural beauty and scenic areas of the Township.

Proper implementation of the conservation proposals can be achieved only through the establishment and enforcement of land use regulations such as zoning controls and floodplain management regulations. In addition the strict enforcement of the Pennsylvania Sewage Facilities Act as well as the Erosion and Sediment Control regulations will contribute greatly to proper land development practices which will ensure the protection of the Township's Conservation areas.

In addition to the area specifically designated Conservation on the Land Use Plan Map, the one hundred (100) year floodplain areas found elsewhere in the Township should also be considered to be areas where conservation measures, especially floodplain management regulations, should be observed. The floodplain areas are shown as an overlay on the Land Use Plan Map and include lands which have been designated for various land uses.

Public and Semi-Public Uses of Land

The Land Use Plan does not designate any specific areas for public and semi-public land uses such as community facilities and public utilities. These activities should be permitted to develop as incidental support uses in any area of the Township. General proposals for the provision and development of many specific types of community facilities and public utilities can be found in the Community Facilities and Public Utilities Plans.

APPENDIX IV

ON-LOT PERMIT REVIEW

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS ARE
DEFINED AS FOLLOWS:

- a. Sewage systems which have unknown designs or are underdesigned. The only known systems in the Township are those which have sewage permit applications on file. The Sewage Facilities Act was adopted in 1966 and required municipalities to maintain records of permits issued. Records must be available back to 1966.
- b. Sewage systems located in flood plains. Use maps to locate.
- c. Sewage systems located on unsuitable slopes. Use maps to locate.
- d. Sewage systems located in areas with contaminated water supplies. Use maps to locate.
- e. Sewage systems located in improper soils (i.e. standard system located where limiting zone is less than 60 inches deep). Use maps to locate.
- f. Location of holding tanks.
- g. On-lot sewage systems which were repaired with best technical guidance.
- h. Areas where groundwater quality has been degraded. Hydro report will identify these areas.

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)								
PROPERTY ADDRESS AND/OR LOCATION	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground-water Degraded
ROBERT BARRY RD #1, WINDSOR 1971	< 900 GAL TANK CAPACITY							
DAVID L. SWANK RD #1, WRIGHTSVILLE 1971	INADEQUATE ABSORPTION AREA							
GERALD BECK RD #12, HELLAM BR. 1971	INADEQUATE ABSORPTION AREA							
OSCAR F. RIVER RD #1, WINDSOR 1971	INADEQUATE ABSORPTION AREA							
ROBERT ROOKEY RD #12, HELLAM 1972	INADEQUATE ABSORPTION AREA							
DANSON SHELLEY RD #12, HELLAM 1971	UNKNOWN DESIGN							
CHESTER L. ZIEGLER ZIEGLERS MOBILE HOME PARK 1971	INADEQUATE ABSORPTION AREA							
LESTER MARKEY, JR. RD #12, HELLAM BR. 1972	INADEQUATE ABSORPTION AREA							
SUB TOTAL	8							

By TLY Date 12/2/91 SUBJECT LUMEL WINDSOR TWP. Sht. No. 1 of 1
 Chkd. by _____ Date _____ Job. No. 911111

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)								
PROPERTY ADDRESS AND/OR LOCATION	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground- water Degraded
DENNIS VAULES RD # 12, HELLAM BR. 1972	INADEQUATE ABSORPTION AREA							
ROONEY FAUTH RD# 12, HELLAM BR. 1972	INADEQUATE ABSORPTION AREA							
JOHN A. KOPP RD# 1, WRIGHTSVILLE 1972	INADEQUATE ABSORPTION AREA							
MARVIN STEIN RD# 12, HELLAM BR. 1972	INADEQUATE ABSORPTION AREA							
ERWIN ABEL, JR. RD# 1, WRIGHTSVILLE 1972	INADEQUATE ABSORPTION AREA							
JAY K. FREED RD# 12, HELLAM 1972	UNKNOWN PENETRATION RATE							
L.S. JONES (PARK #12) RD# 12, HELLAM BR. 1974	INADEQUATE ABSORPTION AREA							
L.S. JONES (PARK #16) RD# 12, HELLAM BR. 1974	INADEQUATE ABSORPTION AREA							
SUB TOTAL	8							

BY TWT Date 12/2/91 SUBJECT Lower Winneke Twp. SHT. No. 2 of 21

Chkd. by _____ Date _____ ACT 537 Job. No. 91104

BRINJAC, KAMBIC & ASSOCIATES, INC.

PROPERTY ADDRESS AND/OR LOCATION	POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)							
	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground-water Degraded
L.S. JONES (PARK #17) RD#12, HELLAM BR. 1974	INADEQUATE ABSORPTION AREA							
L.S. JONES (PARK #18) RD#12, HELLAM BR. 1974	INADEQUATE ABSORPTION AREA							
JAMES G. WALLACE RD#1, WRIGHTSVILLE 1974	INADEQUATE ABSORPTION AREA							
KENNETH WALTEMYER RD#1, WINDSOR 1974	INADEQUATE ABSORPTION AREA							
MARVIE S. CONRAD RD#12, HELLAM BR. 1974	INADEQUATE ABSORPTION AREA							
CARL BILLET RD#1, YORK 1974	UNKNOWN PERCOLATION RATE							
CLARENCE C. SHAEFFER RD#1, WRIGHTSVILLE 1974	INADEQUATE ABSORPTION AREA							
RUTH MAY BUNKLE RD#9, YORK 1974	INADEQUATE ABSORPTION AREA							
SUB TOTAL	8							

By TREY Date 12/2/91 SUBJECT Lower Windsor Trwp. Sht. No. 3 of 21
 Chkd. by _____ Date _____ NOT 537 Job. No. 91104

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)								
PROPERTY ADDRESS AND/OR LOCATION	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground-water Degraded
ALLEN E. KISE RD#1, WRIGHTSVILLE 1774	INADEQUATE ADSORPTION AREA							
FRANK HOOK RD#1, WINDSOR 1774	INADEQUATE ADSORPTION AREA							
W.C. ADAMS RD#1, WRIGHTSVILLE 1774	INADEQUATE ADSORPTION AREA							
ROSS ANDERSON RD#3, RED LION 1774	< 100 FT FROM NEAREST WELL							
HAROLD 'D. GILE GRALEY 1774	UNKNOWN ADSORPTION AREA							
CHAR- EL R.E. (boxes #2) RD#12, HELLAM 1775	INADEQUATE ADSORPTION AREA							
WILLIAM H. KNAUB RD#2, WINDSOR 1775	INADEQUATE ADSORPTION AREA							
RONALD E. MILLER HAVE'S FALLOW RD, WRIGHTSVILLE 1775	INADEQUATE ADSORPTION AREA							
SUB TOTAL	8							

By TRV Date 12/2/91 SUBJECT Lower Windsor Twp. Sht. No. 4 of 21
 Chkd. by _____ Date _____ ACT 537 Job. No. 91104

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)								
PROPERTY ADDRESS AND/OR LOCATION	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground-water Degraded
BARRY E. SHAFFER RD#1, WINDSOR 1975	INADEQUATE ABSORPTION AREA							
ROBERT S. STOUGH RD#1, WINDSOR 1975	INADEQUATE ABSORPTION AREA							
JOSEPH C. PRITCHARD, JR. RD#1, WINDSOR 1976	UNKNOWN PERCOLATION RATE							
LUTHER E. MYERS RD#12, YORK 1976	INADEQUATE ABSORPTION AREA							
KENNETH A. KAUFFMAN RD#12, YORK 1976	INADEQUATE ABSORPTION AREA							
DAVID L. HEIDORN RD#1, WICKLIFFSVILLE 1976	INADEQUATE ABSORPTION AREA							
CHARL-EL VEAL ESQ (Lot #4) RD#12, YORK 1976	INADEQUATE ABSORPTION AREA							
CHARL-EL VEAL ESQ (Lot #5) RD#12, YORK 1976	INADEQUATE ABSORPTION AREA							
SUB TOTAL	8							

BY TREY Date 12/2/91 SUBJECT LOWER WINDSOR TWP. Sht. No. 5 of 21
 Chkd. by _____ Date _____ Job. No. 91101

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)								
PROPERTY ADDRESS AND/OR LOCATION	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground-water Degraded
CHAR-EL REAL ESTATE (LOT #6) RD # 12, YORK 1976	INADEQUATE ABSORPTION AREA							
FOX CREEK BUILDERS (LOT #30) MARTINSVILLE 1976	INADEQUATE ABSORPTION AREA							
CHARLES RITCHARD RD # 1, WINDSOR 1976	INADEQUATE ABSORPTION AREA							
CHAR-EL REAL ESTATE (LOT #1) RD # 12, YORK 1976	INADEQUATE ABSORPTION AREA							
FOX CREEK BUILDERS (LOT #28) GILBERT HEIGHTS 1976	INADEQUATE ABSORPTION AREA							
FOX CREEK BUILDERS (LOT #32) GRALEY, GILBERT HEIGHTS 1976	INADEQUATE ABSORPTION AREA							
E.M. GARRETT (J. HAMILTON, INC.) RD # 12, YORK 1976	INADEQUATE ABSORPTION AREA							
DEAN P. MACKLEY RD # 1, WRIGHTSVILLE 1976	INADEQUATE ABSORPTION AREA							
SUB TOTAL	8							

By TRY Date 12/2/91 SUBJECT Lower Windsor Turp. Sht. No. 6 of 21
 Chkd. by _____ Date _____ ACT 537 Job. No. 91104

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)								
PROPERTY ADDRESS AND/OR LOCATION	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground-water Degraded
HERBERT W. RAMSEY	UNKNOWN PERCOLATION RATE							
RD#1, WRIGHTSVILLE 1976	INADEQUATE ABSORPTION AREA							
WILLIAM DENWICK	INADEQUATE ABSORPTION AREA							
RD#1, WRIGHTSVILLE, 1976	INADEQUATE ABSORPTION AREA							
JIMMY HAMILTON, INC. (# 73)	INADEQUATE ABSORPTION AREA							
RD#12, YORK 1977	INADEQUATE ABSORPTION AREA							
LUTHER KOHLER	INADEQUATE ABSORPTION AREA							
RD#1, WRIGHTSVILLE 1977	INADEQUATE ABSORPTION AREA							
HAROLD K. SMITH, SR.	INADEQUATE ABSORPTION AREA							
RD#2, WINDSOR 1977	UNKNOWN PERCOLATION RATE							
OWEN W. HAINES	INADEQUATE ABSORPTION AREA							
RD#2, WRIGHTSVILLE 1977	UNKNOWN PERCOLATION RATE							
S.H. McFADDEN JR.	INADEQUATE ABSORPTION AREA							
RD#12, YORK 1977	UNKNOWN DESIGN							
STEPHEN E. WEBB								
RD#1, WRIGHTSVILLE 1977								
SUNS TOTAL	8							

BY 112/ Date 12/2/91 SUBJECT Lower Windsor Twp. Sht. No. 7 of 21
 Chkd. by _____ Date _____ ACT 537 Job. No. 91104

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)							
(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground- water Degraded
RICHARD COOPER RD #12, HELLAM PK. 1977		INADEQUATE ABSORPTION RATE					
ROBERT HEIDENREICH RD #1, WRIGHTSVILLE 1978		UNKNOWN PERCOLATION RATE					
DALE MARTIN RD #12, YORK 1978		INADEQUATE ABSORPTION RATE					
NEIL WHITE RD #12, YORK 1978		UNKNOWN PERCOLATION RATE					
JAMES FLINCHBAUGH RD #1, WINDSOR 1978		UNKNOWN PERCOLATION RATE					
ELCO, INC. (LOT #44) RD #12, YORK 1978		INADEQUATE ABSORPTION RATE					
JIMMY HAMILTON, INC. (LOT #63) RD #12, YORK 1978		UNKNOWN PERCOLATION RATE					
RUSSELL FREY (LOT #21) RD #12, YORK 1978		INADEQUATE ABSORPTION AREA					
SUB TOTAL		8					

By TRF Date 12/2/91 SUBJECT LOWER WINDSOR TWP Sht. No. 8 of 21
 Chkd. by _____ Date _____ ACT 537 Job. No. 91104

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)								
PROPERTY ADDRESS AND/OR LOCATION	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground-water Degraded
OTIS McCALL RD #9 YORK 1978	INADEQUATE ABSORPTION AREA							
ROBERT L. DERR (Lot #10) RD #12, YORK 1978	UNKNOWN PERCOLATION RATE							
HAROLD GILE CRALEY 1978	UNKNOWN DESIGN							
CURVIN CRUMMUNG RD #2, WINDSOR 1978	UNKNOWN DESIGN							
RONALD KING RD #12, YORK 1978	INADEQUATE ABSORPTION AREA						✓	
STEVE E. CHRONISTEL RD #2, WINDSOR 1978	UNKNOWN DESIGN						✓	
CURVIN L. WOLFGANG RD #1, WINDSOR 1978	UNKNOWN DESIGN							
SHERYL MARIN RD #1, WINDSOR 1978	INADEQUATE ABSORPTION AREA							
SUB TOTAL	6						2	

By: IKF Date: 12/2/91 SUBJECT: Lower Windsor Twp. SHT. No. 9 of 21
 Chkd. by: _____ Date: _____ ACT 537 Job. No. 91104

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)								
PROPERTY ADDRESS AND/OR LOCATION	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground-water Degraded
JIMMY HAMILTON, INC. (Lot # 83) RD # 12, YORK 1978	UNKNOWN PERCOLATION RATE							
CHARLES KLING, JR. RD # 2, WINDSOR 1978	UNKNOWN DESIGN							
STEVEN NAYLOR RD # 2, WINDSOR 1978	INADEQUATE ABSORPTION AREA							
GARY R. PEPO RD # 1, WRIGHTSVILLE 1978					✓ 48" TO BEDROCK		✓	
DENNIS KEENER RD # 2, WINDSOR 1978	UNKNOWN PERCOLATION RATE							
WILLIS KELLER RD # 12, YORK 1978	INADEQUATE ABSORPTION AREA							
ELCO BUILDERS, INC. (Lot # 46) RD # 12, YORK 1978	UNKNOWN PERCOLATION RATE							
ELCO BUILDERS, INC. (Lot # 5) RD # 12, YORK 1978	UNKNOWN PERCOLATION RATE							
TOTAL	6				1		1	

By TRT Date 12/2/91 SUBJECT Lower Windsor Twp. Sht. No. 10 of 21
 Chkd. by _____ Date _____ ACT 537 Job. No. 91104

BRINJAC, KAMBIC & ASSOCIATES, INC.

PROPERTY ADDRESS AND/OR LOCATION	POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)							
	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground-water Degraded
DEAN MCGURDY RD# 12, YORK 1978							✓	
TURKEY HILL HUNT PKCT RD# 12, HELLAM BL. 1978	UNKNOWN PERCOLATION RATE						✓	
DENNIS NAGEL RD# 12, YORK 1978	✓						✓	
SHELL COEN MILLER BENJAMIN POFF (LOT# 2) RD# 12, HELLAM 1978	INADEQUATE ABSORPTION AREA							
GREGORY MILLER RD# 12, YORK 1978	UNKNOWN PERCOLATION RATE						✓	
JIMMY HAMILTON, INC. (LOT# 47) RD# 12, HELLAM BL. 1978	UNKNOWN PERCOLATION RATE							
JIMMY HAMILTON, INC. (LOT# 4) WINDSOR HEIGHTS 1978	UNKNOWN PERCOLATION RATE							
WARREN N. HUNTER RD# 12, YORK 1978	INADEQUATE ABSORPTION AREA							
SUBS TOTAL	4						4	

By 1127 Date 12/2/91 SUBJECT LOWER WINDSOR TWP. SHT. No. 11 of 21
 Chkd. by _____ Date _____ ACT 537 Job. No. 91104

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)									
PROPERTY ADDRESS AND/OR LOCATION	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground- water Degraded	
PETER NIBBEAIDS (P?) RD# 2, WINDSOR 1978							✓		
H. DIETZ KULLER RD# 9, YORK 1978	UNKNOWN PERCOLATION RATE						✓		
RODGER H. KNAPP RD# 12, YORK 1978	UNKNOWN PERCOLATION RATE								
MICHAEL K. SCHMID (P?) RD# 1, WRIGHTSVILLE 1978	INADEQUATE ABSORPTION AREA								
RICHARD LIST RD# 1, WRIGHTSVILLE 1978	INADEQUATE ABSORPTION AREA								
PRESTON ALDINGER (LOT #4) RD# 1, WRIGHTSVILLE 1978	INADEQUATE ABSORPTION AREA								
GLENN THOMAS WALEY 1979	UNKNOWN PERCOLATION RATE						✓		
DONALD V. THORNE RD# 9, YORK 1979	UNKNOWN PERCOLATION RATE						✓		
SUB TOTAL	4						4		

By 12-7 Date 12/2/91 SUBJECT Lower Windsor Twp Sht. No. 12 of 21
 Chkd. by _____ Date _____ ACT 537 Job. No. 91104

BRINJAC, KAMBIC & ASSOCIATES, INC.

PROPERTY ADDRESS AND/OR LOCATION	POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)							(h) Ground-water Degraded
	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	
PAUL STOUGH RD #1, WINDSOR 1779	UNKNOWN PERCOLATION RATE						✓	
CALVARY BIBLE CHURCH RD #1, WRIGHTSVILLE 1779	INADEQUATE ABSORPTION RATE							
C. ORVILLE DELBAUGH RD #2, WINDSOR 1779	INADEQUATE ABSORPTION AREA							
CHARLES ZIMMERMAN CRALEY 1779	UNKNOWN PERCOLATION RATE						✓	
HAROLD V. HEFFNER RD #2, WINDSOR 1779	INADEQUATE ABSORPTION AREA							
MELROCK HOMES, INC. (Lot # 8) RD #1, WRIGHTSVILLE 1779	UNKNOWN PERCOLATION RATE							
MELROCK HOMES, INC. (Lot # 5) RD #1, WRIGHTSVILLE 1779	UNKNOWN PERCOLATION RATE							
SUSAN B. GROSS OAK HOLLOW RD 1779	INADEQUATE ABSORPTION AREA							
SUB TOTAL	6						2	

By 1/2/91 Date 12/2/91 SUBJECT Lower Windsor Twp SHT. No. 13 of 21
 Chkd. by _____ Date _____ 10/1/91 Job. No. 91104

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)									
PROPERTY ADDRESS AND/OR LOCATION	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground-water Degraded	
DANIEL M. WILLIAMS RD#1, WRIGHTSVILLE 1977	UNKNOWN PERCOLATION RATE						✓		
MARY B. BOTHEROCK RD#12, YORK 1979	INADEQUATE ABSORPTION AREA						✓		
BRYAN K. SMITH RD#1, WRIGHTSVILLE 1977	INADEQUATE ABSORPTION AREA								
LUTHER BROOKS RD#2, WINDSOR 1977	2 100 FT ¹⁰ NEAREST WATER SUPPLY				✓ 21" TO BEDROCK				
JIMMY HAMILTON III. (LOT#32) RD#12, YORK 1977	3 MIN/IN PERC RATE				✓ 30" TO BEDROCK				
ROBERT SNELL (LOT#21) OLD FARM LANE 1977	UNKNOWN PERCOLATION RATE								
MELRICH TONES (LOT#3) RD#1, WRIGHTSVILLE 1977	INADEQUATE ABSORPTION RATE								
WILLIAM WOLF RD#12, YORK 1979	INADEQUATE ABSORPTION AREA								
SUB TOTAL	4				2		2		

By JRL Date 12/2/91 SUBJECT Lowell Windmill Tur Sht. No. 14 of 21
 Chkd. by _____ Date _____ Job. No. 1104

BRINJAC, KAMBIC & ASSOCIATES, INC.

POTENTIAL ON-LOT SUBSURFACE MALFUNCTIONS (See Attached Definitions)								
PROPERTY ADDRESS AND/OR LOCATION	(a) Unknown Design	(b) Flood Plains	(c) Unsuitable Soils	(d) In Areas w/contam. Wells	(e) Unsuitable Soils	(f) Holding Tanks	(g) Repair	(h) Ground-water Degraded
DAVID L. KILHEFNEIL RD#1, WRIGHTSVILLE 1179	INADEQUATE ABSORPTION AREA							
SHALAKO RUN MOBILE HOME PARK RD#1 WINDSOR 1979	INADEQUATE ABSORPTION AREA							
RICK L. SITLER RD#1, WRIGHTSVILLE 1179	INADEQUATE ABSORPTION AREA						✓	
TOM E. LOUGHRY RD#1, WRIGHTSVILLE 1979	UNKNOWN PERCOLATION RATE	E-75 F1 10 NEAREST WATER SUPPLY					✓	
DANIEL C. WALTERYER RD#1, WRIGHTSVILLE 1979	UNKNOWN PERCOLATION RATE						✓	
DONALD E. KOSEBERG RD#1, WRIGHTSVILLE 1979	INADEQUATE ABSORPTION AREA							
RICHARD YOUNG Rt. 124 1181	UNKNOWN PERCOLATION RATE						✓	
RANDY FAUTH CALVARY CHURCH RD. 1181	UNKNOWN PERCOLATION RATE						✓	
SUB TOTAL	3						5	

By TRJ Date 12/2/91 SUBJECT Lower Windsor Twp. Sht. No. 15 of 21
 Chkd. by _____ Date _____ Job. No. ACT 537 91104



LANCASTER OFFICE:
3904 B ABEL DRIVE
COLUMBIA, PA 17512
PH: 717-522-5031
Fax: 717-522-5046

WWW.PENNTERRA.COM

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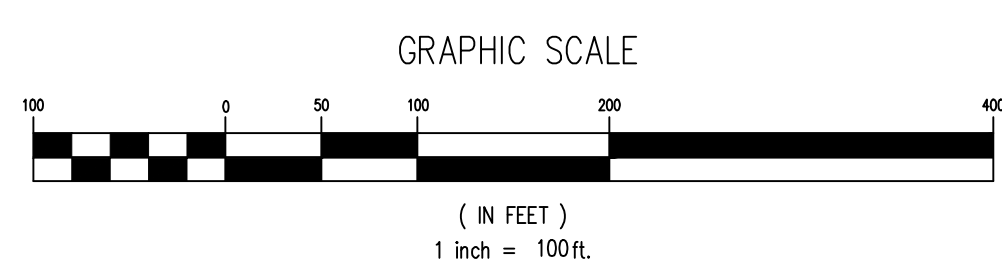
Designer _____ MAM
Draftsman _____ PW
Proj Manager _____ MAM
Surveyor _____ XXX
Perimeter Cl. _____
Book _____ Pg _____
Acad 19020-1 PLANNING MODULE
Layout 1-PLANNING MODULE

Date	Description	REVISIONS

**WINDSOR HILLS
PLANNED RESIDENTIAL
DEVELOPMENT**
LOWER WINDSOR TOWNSHIP
YORK COUNTY
PENNSYLVANIA

**PLANNING
MODULE EXHIBIT**

PROJECT NO.
19020
DATE
JULY 16, 2020
SCALE SHEET NO.
1"=100' 1 OF 1



LEGEND

- EXISTING RIGHT-OF-WAY LINE
- EXISTING STREAM CENTERLINE
- EXISTING UTILITY POLE
- EXISTING OVERHEAD TELEPHONE LINE
- EXISTING UNDERGROUND TELEPHONE LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WELL
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- EXISTING WATER LINE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING CONTOUR LINE
- EXISTING WETLANDS
- SOILS DELINEATION LINE
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR

Sewage Facilities Planning Module
Component 3
For
Windsor Hills

Located In
Lower Windsor Township
York County, Pennsylvania

PA DEP Code No. A3-67937-332-3

July 2020

HEI No.: 103013



703 Woodcrest Avenue
Lititz, PA 17543
717.951.3838
www.hersheyeng.com

Table of Contents

Component 3 Planning Module

Windsor Hills

DEP Code No. A3-67937-332-3

1. PADEP Completion Checklist
2. Transmittal Letter for Sewage Facilities Planning
3. Resolution for Plan Revision
4. Component 4A: Municipal Planning Agency Review
5. Component 4B: County Planning Agency Review
6. Component 3 Sewage Facilities Planning Module
7. Narrative and Alternatives Analysis
 - Exhibit A USGS Location Map
 - Exhibit B WBMA Sewer Agreement
 - Exhibit C Water Capacity Letter
8. PNDI
9. PHMC
10. Public Notice
11. Drawings



April 21, 2020

Mark A. Magrecki
Penn Terra Engineering, Inc.
3904B Abel Drive
Columbia, PA 17512

Re: Checklist Letter – Planning Module (Component 3 – Sewage Collection and Treatment Facilities)
Act 537 Planning
Windsor Hills
DEP CODE NO. A3-67937-332-3
Lower Windsor Township, York County

Dear Mr. Magrecki:

In response to your application mailer, this checklist letter outlines what is required to be submitted to the municipality and the Department of Environmental Protection (DEP) as a complete module packet for the proposed development. Enclosed are the applicable module forms. Please submit the completed planning modules and supporting information to the municipality in which the project is located. DEP must receive **two** copies. Please answer all questions within the planning module.

A copy of this letter should be attached to the planning module when submitted through the municipality to DEP. This letter is to be used by the applicant (or the applicant’s authorized representative) as a checklist and guide to completing the planning modules and does not supersede the rules and regulations found in Chapter 71. The municipality must submit a complete module package. (See end of letter for applicant and municipal certification statements.)

Applicant Checklist (✓ or N/A)	Materials Required to be Included in the Planning Package	DEP Completeness Review
DEP Checklist Letter		
✓	DEP checklist letter is attached with items checked off by the applicant (or applicant’s authorized representative) as included	
✓	DEP checklist letter certification statement completed and signed	
Transmittal Letter (Form 3800-FM-BPNPSM0355)		
✓	Transmittal Letter is attached, completed and the appropriate boxes in Section (i) are checked.	
✓	Transmittal Letter is signed by the municipal secretary	

Resolution of Adoption (Form 3800-FM-BPNPSM0356)		
✓	Resolution of Adoption is attached and completed	
✓	Resolution of Adoption is signed by the municipal secretary	
✓	Resolution of Adoption has a visible municipal seal	
Component 4A - Municipal Planning Agency Review (Form 3800-FM-BPNPSM0362A)		
✓	Component 4A is attached, completed and signed	
✓	Municipal Responses to Component 4A comments are included	
Component 4B - County Planning Agency Review (Form 3800-FM-BPNPSM0362B)		
✓	Component 4B is attached, completed and signed	
✓	Municipal Responses to Component 4B comments are included	
Component 4C - County or Joint Health Department Review (Form 3800-FM-BPNPSM0362C)		
N/A	Component 4C is attached, completed and signed	
N/A	Municipal Responses to Component 4C comments are included	
Component 3 Sewage Facilities Planning Module (Form 3800-FM-BPNPSM0353)		
<i>Section A: Project Information</i>		
✓	Section A.1. The Project Name is completed	
✓	Section A.2. The Brief Project Description is completed	
<i>Section B: Client Information</i>		
✓	Client Information is completed	
<i>Section C: Site Information</i>		
✓	Site Information is completed	
✓	A copy of the 7.5-minute USGS Topographic map is attached with the development site outlined, as required by the instructions and the checklist	
<i>Section D: Project Consultant Information</i>		
✓	Project Consultant Information is completed	
<i>Section E: Availability of Drinking Water Supply</i>		
✓	The appropriate box is checked in Section E	
N/A	For existing public water supplies, the name of the company is provided	
✓	For public water supplies, the certification letter from the public water company is attached	
<i>Section F: Project Narrative</i>		
✓	The Project Narrative is attached	
✓	All information required in the module directions has been addressed	
<i>Section G: Proposed Wastewater Disposal Facilities</i>		
✓	Section G.1.a. The collection system boxes are checked	
✓	The Pennsylvania Clean Streams Law (CSL) permit number is provided for existing systems	
✓	Section G.1.b. The questions on the collection system are completed	
✓	Section G.2.a. The appropriate treatment facility box is checked	

✓	For existing treatment facilities, the name is provided	
✓	For existing treatment facilities, the NPDES permit number is provided	
✓	For existing treatment facilities, the CSL permit number is provided	
	For new treatment facilities, the discharge location is provided	
✓	Section G.2.b. The certification statement has been completed and signed by the wastewater treatment facility permittee or their representative	
✓	Section G.3. The plot plan is attached and contains all items in the module instructions under Section G.3	
✓	The plot plan will show the proposed sewer facilities, sewer extension and/or point of connection to the existing sewer line or point of discharge	
✓	Copies of easement(s) or right-of-way(s) are attached	
✓	Section G.4. The boxes are checked regarding Wetland Protection	
✓	Section G.5. The boxes are checked regarding Primary Agricultural Land	
✓	Section G.6. The boxes are checked confirming consistency with the Historic Preservation Act	
✓	The Project Reform Form (PRF), available at https://www.phmc.pa.gov/Preservation/About/Pages/Forms-Guidance.aspx	
✓	A return receipt for its submission to the PHMC is attached	
✓	The PHMC review letter is attached	
✓	Section G.7. The boxes are checked regarding Pennsylvania Natural Diversity Inventory (PNDI)	
✓	Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt is attached	
✓	PNDI Review Receipt, if no potential impacts identified, is not older than 2 years	
✓	All supporting resolution documentation from jurisdictional agencies (when necessary) is attached and not older than 2 years	
✓	A completed PNDI Large Project Form (PNDI Form) (Form 8100-FM-FR0161) is attached with all supplemental materials and DEP is requested to complete the search.	
Section H: Alternative Sewage Facilities Analysis		
✓	The Alternative Sewage Facilities Analysis is attached	
✓	All information required in the module directions has been addressed	
Section I: Compliance with Water Quality Standards and Effluent Limitations		

N/A	The box is checked regarding Waters Designated for Special Protection	
	The Social or Economic Justification is attached	
	The box is checked regarding Pennsylvania Waters Designated As Impaired	
	The box is checked regarding Interstate and International Waters	
✓	The box is checked regarding Tributaries to the Chesapeake Bay and the required information is provided	
✓	The Name of Permittee Agency, Authority, Municipality and the Initials of Responsible Agent are provided	
N/A	If discharge to an intermittent stream, dry swale or manmade ditch is proposed, provide evidence that a certified letter has been sent to each owner of property over which the discharge will flow until perennial conditions are met	
<i>Section J: Chapter 94 Consistency Determination</i>		
✓	A map showing the path of the sewage to the treatment facility and the location of the discharge is provided	
✓	Section J.1. The Project Flows are provided	
✓	Section J.2. The permitted, existing, and projected average and peak flows are provided in the table for collection, conveyance and treatment facilities	
✓	Section J.3.a. The appropriate box is checked indicating capacity in the Collection and Conveyance Facilities	
✓	Section J.3.b. The Collection System information is completed, signed and dated	
✓	Section J.3.b. The Conveyance System information is completed, signed and dated	
✓	Section J.4.a. The appropriate box is checked regarding projected overloads at the Treatment Facility	
✓	Section J.4.b. The Treatment Facility information is completed, signed and dated	
✓	The Permittee of the wastewater treatment facility has submitted a Chapter 94 Wasteload Management Report, which includes the information for the collection and conveyance system to serve this project	
N/A	An acceptable Wasteload Management Report Corrective Action Plan (CAP) and schedule has been submitted, as well as a connection management plan	
	A letter from the permittee, which grants allocations to the project consistent with the CAP, and a copy of the connection management plan has been submitted	
	Letter indicating the treatment plant is an interim regional treatment facility is attached	
<i>Section K: Treatment and Disposal Options</i>		

✓/A	For proposed treatment facilities, the appropriate box is checked indicating the selected Treatment and Disposal Option	
Section L: Permeability Testing		
	The Permeability Testing information is attached	
Section M: Preliminary Hydrogeologic Study		
	The Preliminary Hydrogeologic Study is attached	
	The Preliminary Hydrogeologic Study is signed and sealed by a Professional Geologist	
Section N: Detailed Hydrogeologic Study		
	The Detailed Hydrogeologic Study is attached	
	The Detailed Hydrogeologic Study is signed and sealed by a Professional Geologist	
Section O: Sewage Management		
	Section O.1. The box is checked indicating municipal or private facilities	
✓	If municipal, the remainder of Section O is not applicable	
✓/A	If private, the required analysis and evaluation of sewage management options is attached	
	Section O.2. The appropriate box is checked regarding the use of nutrient credits or offsets	
	Section O.3. The Project Flows for the private facilities are provided	
	Section O.4.a. The appropriate box is checked indicating capacity in the existing private Collection and Conveyance Facilities	
	Section O.4.b. The private Collection System information is completed, signed and dated	
	Section O.4.c. The private Conveyance System information is completed, signed and dated	
	Section O.5.a. The appropriate box is checked regarding projected overloads at the private Treatment Facility	
	Section O.5.b. The private Treatment Facility information is completed, signed and dated	
	Section O.6. The box is checked indicating the municipality will assure proper operation and maintenance of the proposed private facilities	
	The required documentation of sewage management is attached	
Section P: Public Notification Requirement		
✓	All Public Notification boxes in this section are checked	
✓	The public notice is attached, if public notification is necessary	
✓	All comments received as a result of the notice are attached	
✓	The municipal responses to these comments are attached	
✓	The box is checked indicating that no comments were received, if valid	

Penn Terra Engineering, Inc.

-6-

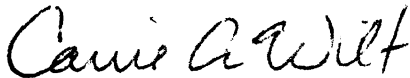
April 21, 2020

<i>Section Q: False Swearing Statements</i>		
✓	The planning module preparer's false swearing statement is completed and signed	
<i>Section R: Planning Module Review Fee</i>		
✓	The correct fee has been calculated	
✓	The correct fee has been paid	
N/A	The request for fee exemption has been checked	
N/A	The deed reference information is provided to support the fee exemption	
<i>Completeness Checklist</i>		
✓	The module completeness checklist is included	
✓	All completeness items have been checked as included by the municipality, as appropriate	
✓	The Municipal Official has signed and dated the checklist	

In all cases, address the immediate and long-range sewage disposal needs of the proposal and comply with 25 Pa. Code, Chapter 71, Subchapter C relating to New Land Development Plan Revisions.

If additional copies of the enclosed modules are needed, or if you have any questions concerning the information required, please call me at 717.771.4481.

Sincerely,

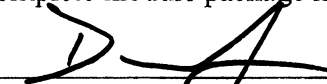


Carrie A. Wilt
Sewage Planning Specialist

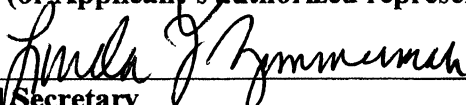
Enclosures (electronic)

CERTIFICATION STATEMENT

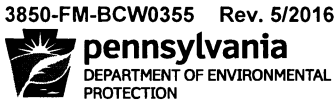
I certify that this submittal is complete and includes all requested items. I understand that failure to submit a complete module package may result in a denial of the application.

Signed: 
Applicant (or Applicant's authorized representative)

Date: 7/14/2020

Signed: 
Municipal Secretary

Date: 8/14/2020



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

TRANSMITTAL LETTER
FOR SEWAGE FACILITIES PLANNING MODULE

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH. ID #
A3-67937-332-3				

TO: Approving Agency (DEP or delegated local agency)
York District Office
150 Roosevelt Avenue, Suite 200
York, PA 17401-3381

Date 7/14/2020

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Daniel S. Hershey
(Name)
President, Hershey Engineering, Inc. for Windsor Hills
(Title) *(Name)*
a subdivision, commercial, or industrial facility located in Lower Windsor Township
York County.
(City, Borough, Township)

Check one

(i) The planning module, as prepared and submitted by the applicant, is approved by the municipality as a proposed revision supplement for new land development to its Official Sewage Facilities Plan (Official Plan), and is adopted for submission to DEP transmitted to the delegated LA for approval in accordance with the requirements of 25 Pa. Code Chapter 71 and the Pennsylvania Sewage Facilities Act (35 P.S. §750),

OR

(ii) The planning module will not be approved by the municipality as a proposed revision or supplement for new land development to its Official Plan because the project described therein is unacceptable for the reason(s) checked below:

Check Boxes

- Additional studies are being performed by or on behalf of this municipality which may have an effect on the planning module as prepared and submitted by the applicant. Attached hereto is the scope of services to be performed and the time schedule for completion of said studies.
- The planning module as submitted by the applicant fails to meet limitations imposed by other laws or ordinances, officially adopted comprehensive plans and/or environmental plans (e.g., zoning, land use, 25 Pa. Code Chapter 71). Specific reference or applicable segments of such laws or plans are attached hereto.
- Other (attach additional sheet giving specifics).

Municipal Secretary: Indicate below by checking appropriate boxes which components are being transmitted to the approving agency.

- Resolution of Adoption
- Module Completeness Checklist
- 2 Individual and Community Onlot Disposal of Sewage
- 3 Sewage Collection/Treatment Facilities
- 3s Small Flow Treatment Facilities
- 4A Municipal Planning Agency Review
- 4B County Planning Agency Review
- 4C County or Joint Health Department Review

Linda J. Zimmerman
Municipal Secretary (print)
Linda J. Zimmerman
Signature
8/14/2020
Date



RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT 2020-12

RESOLUTION OF THE **(SUPERVISORS)** ~~(COMMISSIONERS)~~ ~~(COUNCILMEN)~~ of Lower Windsor Township
(TOWNSHIP) ~~(BOROUGH)~~ ~~(CITY)~~, York COUNTY, PENNSYLVANIA (hereinafter "the municipality").

WHEREAS Section 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the *Pennsylvania Sewage Facilities Act*, as Amended, and the rules and Regulations of the Pennsylvania Department of Environmental Protection (DEP) adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, require the municipality to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters of the Commonwealth and/or environmental health hazards from sewage wastes, and to revise said plan whenever it is necessary to determine whether a proposed method of sewage disposal for a new land development conforms to a comprehensive program of pollution control and water quality management, and

WHEREAS GRH-2, LLC land developer has proposed the development of parcels of land identified as Windsor Hills, name of subdivision, and described in the attached Sewage Facilities Planning Module, and proposes that such subdivisions be served by: (check all that apply), sewer tap-ins, sewer extension, new treatment facility, individual onlot systems, community onlot systems, spray irrigation, retaining tanks, other, (please specify) _____

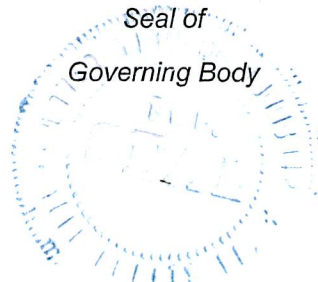
WHEREAS, Lower Windsor Township municipality finds that the subdivision described in the attached Sewage Facilities Planning Module conforms to applicable sewage related zoning and other sewage related municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

NOW, THEREFORE, BE IT RESOLVED that the **(Supervisors)** ~~(Commissioners)~~ ~~(Councilmen)~~ of the **(Township)** ~~(Borough)~~ ~~(City)~~ of Lower Windsor hereby adopt and submit to DEP for its approval as a revision to the "Official Sewage Facilities Plan" of the municipality the above referenced Sewage Facilities Planning Module which is attached hereto.

I *Paula J. Zimmerman*, Secretary, Lower Windsor
(Signature)

Township Board of **Supervisors** ~~(Borough Council)~~ ~~(City Councilmen)~~, hereby certify that the foregoing is a true copy of the **Township** ~~(Borough)~~ ~~(City)~~ Resolution # 2020-12, adopted, August 13, 2020.

Municipal Address:
Lower Windsor Township
2425 Craley Road
Wrightsville, PA 17368
Telephone 717-244-6813





DEP Code #:
A3-37937-332-3

**SEWAGE FACILITIES PLANNING MODULE
COMPONENT 4A - MUNICIPAL PLANNING AGENCY REVIEW**

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning module package and one copy of this *Planning Agency Review Component* should be sent to the local municipal planning agency for their comments.

SECTION A. PROJECT NAME (See Section A of instructions)

Project Name

Windsor Hills

SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by municipal planning agency 7.20.2020

2. Date review completed by agency 7.23.2020

SECTION C. AGENCY REVIEW (See Section C of instructions)

- | Yes | No | |
|-------------------------------------|-------------------------------------|---|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i>)? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Is this proposal consistent with the comprehensive plan for land use?
If no, describe the inconsistencies _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Is this proposal consistent with the use, development, and protection of water resources?
If no, describe the inconsistencies _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 5. Does this project propose encroachments, obstructions, or dams that will affect wetlands?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 6. Will any known historical or archaeological resources be impacted by this project?
If yes, describe impacts _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 7. Will any known endangered or threatened species of plant or animal be impacted by this project?
If yes, describe impacts _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 8. Is there a municipal zoning ordinance? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 9. Is this proposal consistent with the ordinance?
If no, describe the inconsistencies _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 11. Have all applicable zoning approvals been obtained? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 12. Is there a municipal subdivision and land development ordinance? |

SECTION C. AGENCY REVIEW (continued)

- | Yes | No | |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 13. Is this proposal consistent with the ordinance?
If no, describe the inconsistencies _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 14. Is this plan consistent with the municipal Official Sewage Facilities Plan?
If no, describe the inconsistencies _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?
If yes, describe _____ |
| <input type="checkbox"/> | <i>N/A</i> <input type="checkbox"/> | 16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision? |
| <input type="checkbox"/> | <i>N/A</i> <input type="checkbox"/> | If yes, is the proposed waiver consistent with applicable ordinances?
If no, describe the inconsistencies
_____ |

17. Name, title and signature of planning agency staff member completing this section:
 Name: MONICA LOVE
 Title: ZONING & CODES ENFORCEMENT OFFICER
 Signature: *Monica Love*
 Date: 7.24.2020
 Name of Municipal Planning Agency: LOWER WINDSOR TOWNSHIP PLANNING COM
 Address: 2425 CRALEY RD WRIGHTSVILLE PA 17368
 Telephone Number: 717-244-6813

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This component does not limit municipal planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The planning agency must complete this component within 60 days.

This component and any additional comments are to be returned to the applicant.



**SEWAGE FACILITIES PLANNING MODULE
COMPONENT 4B - COUNTY PLANNING AGENCY REVIEW**

(or Planning Agency with Areawide Jurisdiction)

Note to Project Sponsor: To expedite the review of your proposal, one copy of your completed planning package and one copy of this *Planning Agency Review Component* should be sent to the county planning agency or planning agency with areawide jurisdiction for their comments.

SECTION A. PROJECT NAME (See Section A of instructions)

Project Name

Windsor Hills

SECTION B. REVIEW SCHEDULE (See Section B of instructions)

1. Date plan received by county planning agency 4/16/2020
2. Date plan received by planning agency with areawide jurisdiction _____
Agency name _____
3. Date review completed by agency 4/17/2020

SECTION C. AGENCY REVIEW (See Section C of instructions)

- | Yes | No | |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 1. Is there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101 <i>et seq.</i>)? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 2. Is this proposal consistent with the comprehensive plan for land use? |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. Does this proposal meet the goals and objectives of the plan?
If no, describe goals and objectives that are not met _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Is this proposal consistent with the use, development, and protection of water resources?
If no, describe inconsistency _____ |
| <input checked="" type="checkbox"/> | <input type="checkbox"/> | 5. Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation?
If no, describe inconsistencies: _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 6. Does this project propose encroachments, obstructions, or dams that will affect wetlands?
If yes, describe impact _____ |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 7. Will any known historical or archeological resources be impacted by this project?
If yes, describe impacts <u>None of which the YCPC is aware.</u> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 8. Will any known endangered or threatened species of plant or animal be impacted by the development project?
If yes, describe impacts <u>None of which the YCPC is aware.</u> |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 9. Is there a county or areawide zoning ordinance? |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 10. Does this proposal meet the zoning requirements of the ordinance?
If no, describe inconsistencies _____ |

SECTION C. AGENCY REVIEW (continued)

Yes No

- N/A 11. Have all applicable zoning approvals been obtained?
- 12. Is there a county or areawide subdivision and land development ordinance?
- N/A 13. Does this proposal meet the requirements of the ordinance?

If no, describe which requirements are not met Not applicable in Lower Windsor Township.

- N/A 14. Is this proposal consistent with the municipal Official Sewage Facilities Plan?

If no, describe inconsistency Copy not available in this office

- 15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?

If yes, describe None of which the YCPC is aware.

- 16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?

- If yes, is the proposed waiver consistent with applicable ordinances.

If no, describe the inconsistencies _____

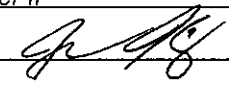
- 17. Does the county have a stormwater management plan as required by the Stormwater Management Act?

- If yes, will this project plan require the implementation of storm water management measures?

18. Name, Title and signature of person completing this section:

Name: Jesse King

Title: Planner II

Signature: 

Date: 4/17/2020

Name of County or Areawide Planning Agency: York County Planning Commission

Address: 28 East Market Street, York, PA 17401

Telephone Number: (717) 771-9870

SECTION D. ADDITIONAL COMMENTS (See Section D of instructions)

This component does not limit county planning agencies from making additional comments concerning the relevancy of the proposed plan to other plans or ordinances. If additional comments are needed, attach additional sheets.

The county planning agency must complete this component within 60 days.

This component and any additional comments are to be returned to the applicant.



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

Code No.
A3-67937-332-3

SEWAGE FACILITIES PLANNING MODULE

Component 3. Sewage Collection and Treatment Facilities

(Return completed module package to appropriate municipality)

DEP USE ONLY

DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH ID #
A3-67937-332-3				

This planning module component is used to fulfill the planning requirements of Act 537 for the following types of projects: (1) a subdivision to be served by sewage collection, conveyance or treatment facilities, (2) a tap-in to an existing collection system with flows on a lot of 2 EDU's or more, or (3) the construction of, or modification to, wastewater collection, conveyance or treatment facilities that will require DEP to issue or modify a Clean Streams Law permit. Planning for any project that will require DEP to issue or modify a permit cannot be processed by a delegated agency. Delegated agencies must send their projects to DEP for final planning approval.

This component, along with any other documents specified in the cover letter, must be completed and submitted to the municipality with jurisdiction over the project site for review and approval. All required documentation must be attached for the Sewage Facilities Planning Module to be complete. Refer to the instructions for help in completing this component.

REVIEW FEES: Amendments to the Sewage Facilities Act established fees to be paid by the developer for review of planning modules for land development. These fees may vary depending on the approving agency for the project (DEP or delegated local agency). Please see section R and the instructions for more information on these fees.

NOTE: All projects must complete Sections A through I, and Sections O through R. Complete Sections J, K, L, M and/or N if applicable or marked .

A. PROJECT INFORMATION (See Section A of instructions)

1. Project Name Windsor Hills

2. Brief Project Description Residential Subdivision consisting 306 new units and connection of 1 existing residential dwelling.

B. CLIENT (MUNICIPALITY) INFORMATION (See Section B of instructions)

Municipality Name	County	City	Boro	Twp
Lower Windsor	York	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Cunningham	Sande			Twp Manager
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
2425 Craley Road				
Address Last Line -- City	State	ZIP+4		
Wrightsville	PA	17368		
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
717-244-6813	717-244-0746	scunningham@lowerwindsor.com		

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Windsor Hills

Site Location Line 1

Site Location Line 2

Site Location Last Line -- City

State

ZIP+4

Latitude

Longitude

Wrightsville

PA

17368

40 0' 0"

76 32' 17"

Detailed Written Directions to Site Intersection of Cool Creek Road and Knights View Road

Description of Site Open field

Site Contact (Developer/Owner)

Last Name

First Name

MI

Suffix

Phone

Ext.

Horst

Gerald

717-560-9095

Site Contact Title

Site Contact Firm (if none, leave blank)

Developer

GRH-2, LLC

FAX

Email

Mailing Address Line 1

Mailing Address Line 2

120 North Point Blvd, Suite 101

Mailing Address Last Line -- City

State

ZIP+4

Lancaster

PA

17601-4134

D. PROJECT CONSULTANT INFORMATION (See Section D of instructions)

Last Name

First Name

MI

Suffix

Hershey

Daniel

S

Title

Consulting Firm Name

President

Hershey Engineering, Inc.

Mailing Address Line 1

Mailing Address Line 2

703 Woodcrest Avenue

Address Last Line -- City

State

ZIP+4

Country

Lititz

PA

17543

USA

Email

Area Code + Phone

Ext.

Area Code + FAX

dhershey@hersheyeng.com

717-951-3838

E. AVAILABILITY OF DRINKING WATER SUPPLY

The project will be provided with drinking water from the following source: (Check appropriate box)

- Individual wells or cisterns.
- A proposed public water supply.
- An existing public water supply.

If existing public water supply is to be used, provide the name of the water company and attach documentation from the water company stating that it will serve the project.

Name of water company: York Water Company

F. PROJECT NARRATIVE (See Section F of instructions)

- A narrative has been prepared as described in Section F of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section F of the instructions.

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (See Section G of instructions)

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter 93 (relating to wastewater treatment requirements).

1. COLLECTION SYSTEM

a. Check appropriate box concerning collection system

- New collection system Pump Station Force Main
- Grinder pump(s) Extension to existing collection system Expansion of existing facility

Clean Streams Law Permit Number _____

b. Answer questions below on collection system

Number of EDU's and proposed connections to be served by collection system. EDU's 307

Connections 307

Name of:

existing collection or conveyance system Wrightsville Borough

owner Wrightsville Borough Municipal Authority

existing interceptor Wrightsville Borough

owner Wrightsville Borough Municipal Authority

2. WASTEWATER TREATMENT FACILITY

Check all boxes that apply, and provide information on collection, conveyance and treatment facilities and EDU's served. This information will be used to determine consistency with Chapter(s) 91 (relating to general provisions), 92 (relating to national Pollution Discharge Elimination System permitting, monitoring and compliance) and 93 (relating to water quality standards).

a. Check appropriate box and provide requested information concerning the treatment facility

- New facility Existing facility Upgrade of existing facility Expansion of existing facility

Name of existing facility Wrightsville Borough Municipal Authority

NPDES Permit Number for existing facility PA 0023442

Clean Streams Law Permit Number PA 567S048

Location of discharge point for a new facility. Latitude 40 01' 10" Longitude 76 31' 14"

b. The following certification statement must be completed and signed by the wastewater treatment facility permittee or their representative.

As an authorized representative of the permittee, I confirm that the Wrightsville Borough Municipal Authority

(Name from above) sewage treatment facilities can accept sewage flows from this project without adversely affecting the facility's ability to achieve all applicable technology and water quality based effluent limits (see Section I) and conditions contained in the NPDES permit identified above.

Name of Permittee Agency, Authority, Municipality Wrightsville Borough Municipal Authority

Name of Responsible Agent Fred Smith, Chairman

Agent Signature *Fred Smith* Date 7/20/2020

(Also see Section I. 4.)

G. PROPOSED WASTEWATER DISPOSAL FACILITIES (Continued)

3. PLOT PLAN

The following information is to be submitted on a plot plan of the proposed subdivision.

- a. Existing and proposed buildings.
- b. Lot lines and lot sizes.
- c. Adjacent lots.
- d. Remainder of tract.
- e. Existing and proposed sewerage facilities. Plot location of discharge point, land application field, spray field, COLDS, or LVCOLDS if a new facility is proposed.
- f. Show tap-in or extension to the point of connection to existing collection system (if applicable).
- g. Existing and proposed water supplies and surface water (wells, springs, ponds, streams, etc.)
- h. Existing and proposed rights-of-way.
- i. Existing and proposed buildings, streets, roadways, access roads, etc.
- j. Any designated recreational or open space area.
- k. Wetlands - from National Wetland Inventory Mapping and USGS Hydric Soils Mapping.
- l. Flood plains or Flood prone areas, floodways, (Federal Flood Insurance Mapping)
- m. Prime Agricultural Land.
- n. Any other facilities (pipelines, power lines, etc.)
- o. Orientation to north.
- p. Locations of all site testing activities (soil profile test pits, slope measurements, permeability test sites, background sampling, etc. (if applicable).
- q. Soils types and boundaries when a land based system is proposed.
- r. Topographic lines with elevations when a land based system is proposed

4. WETLAND PROTECTION

YES NO

- a. Are there wetlands in the project area? If yes, ensure these areas appear on the plot plan as shown in the mapping or through on-site delineation.
- b. Are there any construction activities (encroachments, or obstructions) proposed in, along, or through the wetlands? If yes, identify any proposed encroachments on wetlands and identify whether a General Permit or a full encroachment permit will be required. If a full permit is required, address time and cost impacts on the project. Note that wetland encroachments should be avoided where feasible. Also note that a feasible alternative **MUST BE SELECTED** to an identified encroachment on an exceptional value wetland as defined in Chapter 105. Identify any project impacts on streams classified as HQ or EV and address impacts of the permitting requirements of said encroachments on the project.

5. PRIME AGRICULTURAL LAND PROTECTION

YES NO

- Will the project involve the disturbance of prime agricultural lands?
If yes, coordinate with local officials to resolve any conflicts with the local prime agricultural land protection program. The project must be consistent with such municipal programs before the sewage facilities planning module package may be submitted to DEP.
If no, prime agricultural land protection is not a factor to this project.
- Have prime agricultural land protection issues been settled?

6. HISTORIC PRESERVATION ACT

YES NO

- Sufficient documentation is attached to confirm that this project is consistent with DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code* (available online at the DEP website at www.dep.state.pa.us, select "subject" then select "technical guidance"). As a minimum this includes copies of the completed Cultural Resources Notice

(CRN), a return receipt for its submission to the PHMC and the PHMC review letter.

7. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES

Check one:

- The "Pennsylvania Natural Diversity Inventory (PNDI) Project Environmental Review Receipt" resulting from my search of the PNDI database and all supporting documentation from jurisdictional agencies (when necessary) is/are attached.
- A completed "Pennsylvania Natural Diversity Inventory (PNDI) Project Planning & Environmental Review Form," (PNDI Form) available at www.naturalheritage.state.pa.us, and all required supporting documentation is attached. I request DEP staff to complete the required PNDI search for my project. I realize that my planning module will be considered incomplete upon submission to the Department and that the DEP review will not begin, and that processing of my planning module will be delayed, until a "PNDI Project Environmental Review Receipt" and all supporting documentation from jurisdictional agencies (when necessary) is/are received by DEP.

Applicant or Consultant Initials _____

H. ALTERNATIVE SEWAGE FACILITIES ANALYSIS (See Section H of instructions)

- An alternative sewage facilities analysis has been prepared as described in Section H of the attached instructions and is attached to this component.
The applicant may choose to include additional information beyond that required by Section H of the attached instructions.

I. COMPLIANCE WITH WATER QUALITY STANDARDS AND EFFLUENT LIMITATIONS (See Section I of instructions) (Check and complete all that apply.)

1. Waters designated for Special Protection

- The proposed project will result in a new or increased discharge into special protection waters as identified in Title 25, Pennsylvania Code, Chapter 93. The Social or Economic Justification (SEJ) required by Section 93.4c. is attached.

2. Pennsylvania Waters Designated As Impaired

- The proposed project will result in a new or increased discharge of a pollutant into waters that DEP has identified as being impaired by that pollutant. A pre-planning meeting was held with the appropriate DEP regional office staff to discuss water quality based discharge limitations.

3. Interstate and International Waters

- The proposed project will result in a new or increased discharge into interstate or international waters. A pre-planning meeting was held with the appropriate DEP regional office staff to discuss effluent limitations necessary to meet the requirements of the interstate or international compact.

4. Tributaries To The Chesapeake Bay

- The proposed project result in a new or increased discharge of sewage into a tributary to the Chesapeake Bay. This proposal for a new sewage treatment facility or new flows to an existing facility includes total nitrogen and total phosphorus in the following amounts: 8,434 pounds of TN per year, and 1,476 pounds of TP per year. Based on the process design and effluent limits, the total nitrogen treatment capacity of the wastewater treatment facility is 304,410 pounds per year and the total phosphorus capacity is 35,040 pounds per year as determined by the wastewater treatment facility permittee. The permittee has determined that the additional TN and TP to be contributed by this project (as modified by credits and/or offsets to be provided) will not cause the discharge to exceed the annual total mass limits for these parameters. Documentation of compliance with nutrient allocations is attached.

Name of Permittee Agency, Authority, Municipality Wrightsville Borough Municipal Authority

Initials of Responsible Agent (See Section G 2.b) FCS (Fred Smith, Chairman)

See *Special Instructions* (Form 3800-FM-BPNPSM0353-1) for additional information on Chesapeake Bay watershed requirements.

J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J of instructions)

Projects that propose the use of existing municipal collection, conveyance or wastewater treatment facilities, or the construction of collection and conveyance facilities to be served by existing municipal wastewater treatment facilities must be consistent with the requirements of Title 25, Chapter 94 (relating to Municipal Wasteload Management). If not previously included in Section F, include a general map showing the path of the sewage to the treatment facility. If more than one municipality or authority will be affected by the project, please obtain the information required in this section for each. Additional sheets may be attached for this purpose.

1. Project Flows 69628 _____ gpd
2. Total Sewage Flows to Facilities (pathway from point of origin through treatment plant)

When providing "treatment facilities" sewage flows, use Annual Average Daily Flow for "average" and Maximum Monthly Average Daily Flow for "peak" in all cases. For "peak flows" in "collection" and "conveyance" facilities, indicate whether these flows are "peak hourly flow" or "peak instantaneous flow" and how this figure was derived (i.e., metered, measured, estimated, etc.).

- a. Enter average and peak sewage flows for each proposed or existing facility as designed or permitted.
- b. Enter the average and peak sewage flows for the most restrictive sections of the existing sewage facilities.
- c. Enter the average and peak sewage flows, projected for 5 years (2 years for pump stations) through the most restrictive sections of the existing sewage facilities. Include existing, proposed (this project) and future project (other approved projects) flows.

To complete the table, refer to the instructions, Section J.

	a. Design and/or Permitted Capacity (gpd)		*2020 Chapter 94 Report		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	400000	1000000	320000	380000	359300	412900
Conveyance	400000	1000000	320000	380000	359300	412900
Treatment	400000	1000000	320000	380000	359300	412900

3. Collection and Conveyance Facilities

The questions below are to be answered by the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities. These questions should be answered in coordination with the latest Chapter 94 annual report and the above table. The individual(s) signing below must be legally authorized to make representation for the organization.

YES NO

- a. ** This project proposes sewer extensions or tap-ins. Will these actions create a hydraulic overload within five years on any existing collection or conveyance facilities that are part of the system?

** Agreement to expand capacity to accommodate this project is in effect. Chapter 94 indicates this project.

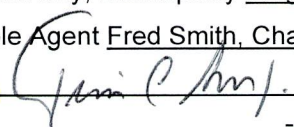
If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until all inconsistencies with Chapter 94 are resolved or unless there is an approved Corrective Action Plan (CAP) granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the module package.

If no, a representative of the sewer authority, municipality, or agency responsible for completing the Chapter 94 report for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not affect that status.

b. Collection System

Name of Agency, Authority, Municipality Wrightsville Borough Municipal Authority

Name of Responsible Agent Fred Smith, Chairman

Agent Signature  Date 7/30/2020

J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J of instructions)

c. Conveyance System

Name of Agency, Authority, Municipality Wrightsville Borough Municipal Authority

Name of Responsible Agent Fred Smith, Chairman

Agent Signature *Fred Smith*

Date 7/20/2020

4. Treatment Facility

The questions below are to be answered by a representative of the facility permittee in coordination with the information in the table and the latest Chapter 94 report. The individual signing below must be legally authorized to make representation for the organization.

YES NO

a. ** This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility?

** Agreement to expand capacity to accommodate this project is in effect. Chapter 94 indicates this project.

If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this inconsistency with Chapter 94 is resolved or unless there is an approved CAP granting an allocation for this project. A letter granting allocations to this project under the CAP must be attached to the planning module.

If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with both §71.53(d)(3) and Chapter 94 requirements and that this proposal will not impact that status.

b. Name of Agency, Authority, Municipality Wrightsville Borough Municipal Authority

Name of Responsible Agent Fred Smith, Chairman

Agent Signature *Fred Smith*

Date 7/20/2020

K. TREATMENT AND DISPOSAL OPTIONS (See Section K of instructions)

This section is for land development projects that propose construction of wastewater treatment facilities. Please note that, since these projects require permits issued by DEP, these projects may **NOT** receive final planning approval from a delegated local agency. Delegated local agencies must send these projects to DEP for final planning approval.

Check the appropriate box indicating the selected treatment and disposal option.

- 1. Spray irrigation (other than individual residential spray systems (IRSIS)) or other land application is proposed, and the information requested in Section K.1. of the planning module instructions are attached.
- 2. Recycle and reuse is proposed and the information requested in Section K-2 of the planning module instructions is attached.
- 3. A discharge to a dry stream channel is proposed, and the information requested in Section K.3. of the planning module instructions are attached.
- 4. A discharge to a perennial surface water body is proposed, and the information requested in Section K.4. of the planning module instructions are attached.

L. PERMEABILITY TESTING (See Section L of instructions)

The information required in Section L of the instructions is attached.

M. PRELIMINARY HYDROGEOLOGIC STUDY (See Section M of instructions)

The information required in Section M of the instructions is attached.

N. DETAILED HYDROGEOLOGIC STUDY (See Section N of instructions)

The detailed hydrogeologic information required in Section N. of the instructions is attached.

O. SEWAGE MANAGEMENT (See Section O of instructions)

(1-3 for completion by the developer(project sponser), 4-5 for completion by the non-municipal facility agent and 6 for completion by the municipality)

Yes No

1. Is connection to, or construction of, a DEP permitted, non-municipal sewage facility or a local agency permitted, community onlot sewage facility proposed.

If Yes, respond to the following questions, attach the supporting analysis, and an evaluation of the options available to assure long-term proper operation and maintenance of the proposed non-municipal facilities. If No, skip the remainder of Section O.

2. Project Flows _____ gpd

Yes No

3. Is the use of nutrient credits or offsets a part of this project?

If yes, attach a letter of intent to purchase the necessary credits and describe the assurance that these credits and offsets will be available for the remaining design life of the non-municipal sewage facility;

(For completion by non-municipal facility agent)

4. Collection and Conveyance Facilities

The questions below are to be answered by the organization/individual responsible for the non-municipal collection and conveyance facilities. The individual(s) signing below must be legally authorized to make representation for the organization.

Yes No

- a. If this project proposes sewer extensions or tap-ins, will these actions create a hydraulic overload on any existing collection or conveyance facilities that are part of the system?

If yes, this sewage facilities planning module will not be accepted for review by the municipality, delegated local agency and/or DEP until this issue is resolved.

If no, a representative of the organization responsible for the collection and conveyance facilities must sign below to indicate that the collection and conveyance facilities have adequate capacity and are able to provide service to the proposed development in accordance with Chapter 71 §71.53(d)(3) and that this proposal will not affect that status.

- b. Collection System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

- c. Conveyance System

Name of Responsible Organization _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

5. Treatment Facility

The questions below are to be answered by a representative of the facility permittee. The individual signing below must be legally authorized to make representation for the organization.

Yes No

- a. If this project proposes the use of an existing non-municipal wastewater treatment plant for the disposal of sewage, will this action create a hydraulic or organic overload at that facility?

If yes, this planning module for sewage facilities will not be reviewed by the municipality, delegated local agency and/or DEP until this issue is resolved.

If no, the treatment facility permittee must sign below to indicate that this facility has adequate treatment capacity and is able to provide wastewater treatment services for the proposed development in accordance with §71.53(d)(3) and that this proposal will not impact that status.

- b. Name of Facility _____
Name of Responsible Agent _____
Agent Signature _____
Date _____

(For completion by the municipality)

6. The **SELECTED OPTION** necessary to assure long-term proper operation and maintenance of the proposed non-municipal facilities is clearly identified with documentation attached in the planning module package.

P. PUBLIC NOTIFICATION REQUIREMENT (See Section P of instructions)

This section must be completed to determine if the applicant will be required to publish facts about the project in a newspaper of general circulation to provide a chance for the general public to comment on proposed new land development projects. This notice may be provided by the applicant or the applicant's agent, the municipality or the local agency by publication in a newspaper of general circulation within the municipality affected. Where an applicant or an applicant's agent provides the required notice for publication, the applicant or applicant's agent shall notify the municipality or local agency and the municipality and local agency will be relieved of the obligation to publish. The required content of the publication notice is found in Section P of the instructions.

To complete this section, each of the following questions must be answered with a "yes" or "no". Newspaper publication is required if any of the following are answered "yes".

Yes No

1. Does the project propose the construction of a sewage treatment facility ?
2. Will the project change the flow at an existing sewage treatment facility by more than 50,000 gallons per day?
3. Will the project result in a public expenditure for the sewage facilities portion of the project in excess of \$100,000?
4. Will the project lead to a major modification of the existing municipal administrative organizations within the municipal government?
5. Will the project require the establishment of *new* municipal administrative organizations within the municipal government?
6. Will the project result in a subdivision of 50 lots or more? (onlot sewage disposal only)
7. Does the project involve a major change in established growth projections?
8. Does the project involve a different land use pattern than that established in the municipality's Official Sewage Plan?

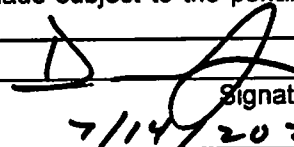
P. PUBLIC NOTIFICATION REQUIREMENT cont'd. (See Section P of instructions)

- 9. Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
- 10. Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
- 11. Will sewage facilities discharge into high quality or exceptional value waters?
- Attached is a copy of:
 - the public notice,
 - all comments received as a result of the notice,
 - the municipal response to these comments.
- No comments were received. A copy of the public notice is attached.

Q. FALSE SWEARING STATEMENT (See Section Q of instructions)

I verify that the statements made in this component are true and correct to the best of my knowledge, information and belief. I understand that false statements in this component are made subject to the penalties of 18 PA C.S.A. §4904 relating to unsworn falsification to authorities.

Daniel S. Hershey
 Name (Print)
 Consultant
 Title
 703 Woodcrest Avenue, Lititz, PA 17543
 Address


 Signature
 7/14/2020
 Date
 7179513838
 Telephone Number

R. REVIEW FEE (See Section R of instructions)

The Sewage Facilities Act establishes a fee for the DEP planning module review. DEP will calculate the review fee for the project and invoice the project sponsor OR the project sponsor may attach a self-calculated fee payment to the planning module prior to submission of the planning package to DEP. (Since the fee and fee collection procedures may vary if a "delegated local agency" is conducting the review, the project sponsor should contact the "delegated local agency" to determine these details.) Check the appropriate box.

- I request DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand DEP's review of my project will not begin until DEP receives the correct review fee from me for the project.
- I have calculated the review fee for my project using the formula found below and the review fee guidance in the instructions. I have attached a check or money order in the amount of \$15,300 payable to "Commonwealth of PA, DEP". Include DEP code number on check. I understand DEP will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, DEP will return my check or money order, send me an invoice for the correct amount. I understand DEP review will NOT begin until I have submitted the correct fee.
- I request to be exempt from the DEP planning module review fee because this planning module creates only one new lot and is the only lot subdivided from a parcel of land as that land existed on December 14, 1995. I realize that subdivision of a second lot from this parcel of land shall disqualify me from this review fee exemption. I am furnishing the following deed reference information in support of my fee exemption.

County Recorder of Deeds for _____ County, Pennsylvania

Deed Volume _____ Book Number _____

Page Number _____ Date Recorded _____

R. REVIEW FEE (continued)

Formula:

- 1. For a new collection system (with or without a Clean Streams Law Permit), a collection system extension, or individual tap-ins to an existing collection system use this formula.

$$\#307 \quad \text{Lots (or EDUs)} \times \$50.00 = \$ 15,350$$

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
 - For community sewer system projects, one EDU is equal to a sewage flow of 400 gallons per day.
- 2. For a surface or subsurface discharge system, use the appropriate one of these formulae.

- A. A new surface discharge greater than 2000 gpd will use a flat fee:

$$\begin{aligned} & \$ 1,500 \text{ per submittal (non-municipal)} \\ & \$ 500 \text{ per submittal (municipal)} \end{aligned}$$

- B. An increase in an existing surface discharge will use:

$$\# \quad \text{Lots (or EDUs)} \times \$35.00 = \$$$

to a maximum of \$ 1,500 per submittal (non-municipal) or \$ 500 per submittal (municipal)

The fee is based upon:

- The number of lots created or number of EDUs whichever is higher.
- For community sewage system projects one EDU is equal to a sewage flow of 400 gallons per day.
- For non-single family residential projects, EDUs are calculated using projected population figures

- C. A sub-surface discharge system that requires a permit under The Clean Streams Law will use a flat fee:

$$\begin{aligned} & \$ 1,500 \text{ per submittal (non-municipal)} \\ & \$ 500 \text{ per submittal (municipal)} \end{aligned}$$

Checklist



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

Completeness Checklist

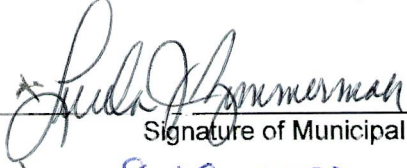
The individual completing the component should use the checklist below to assure that all items are included in the module package. The municipality should confirm that the required items have been included within 10 days of receipt, and if complete, sign and date the checklist

Sewage Collection and Treatment Facilities

- Name and Address of land development project.
- U.S.G.S. 7.5 minute topographic map with development area plotted.
- Project Narrative.
- Letter from water company (if applicable).
- Alternative Analysis Narrative.
- Details of chosen financial assurance method.
- Proof of Public Notification (if applicable).
- Name of existing collection and conveyance facilities.
- Name and NPDES number of existing treatment facility to serve proposed development.
- Plot plan of project with required information.
- Total sewage flows to facilities table.
- Signature of existing collection and/or conveyance Chapter 94 report preparer.
- Signature of existing treatment facility Chapter 94 report preparer.
- Letter granting allocation to project (if applicable).
- Signature acknowledging False Swearing Statement.
- Completed Component 4 (Planning Agency Review) for each existing planning agency and health department.
- Information on selected treatment and disposal option.
- Permeability information (if applicable).
- Preliminary hydrogeology (if applicable).
- Detailed hydrogeology (if applicable).

Municipal Action

- Component 3 (Sewage Collection and Treatment Facilities).
- Component 4 (Planning Agency Comments and Responses).
- Proof of Public Notification.
- Long-term operation and maintenance option selection.
- Comments, and responses to comments generated by public notification.
- Transmittal Letter



Signature of Municipal Official
8-19-2020

Date submittal determined complete



HERSHEY ENGINEERING, INC.

www.hersheyeng.com

Component 3 Planning Module

Pyle Tract

DEP Code No. A3-36923-296-3

Exhibits Sections F and H

Project Narrative (Section F)

Site Location

Windsor Hills is located on the southeast side of the intersection of Cool Creek Road and Knights View Road in Lower Windsor Township, York County. The site is immediately adjacent to the Eastern York School District High School.

Existing Features

The site is predominantly covered with brushy vegetation and vacant pastureland. An existing farmhouse and building are located on the site and are proposed to remain in use.

The surrounding land use is characterized as rural agricultural. The use of the land across Cool Creek Road is institutional and used as a public high school and middle school by the Eastern York School District.

The site is located in the Canadochly Creek watershed, which is designated as a warm water fishery in Chapter 93 of the Pennsylvania Code.

Project Description

Windsor Hills will be a planned residential community consisting of 306 new single family dwelling units that will encompass 98.82 acres of land. This will be a privately funded project.

The proposed facilities are expected to generate approximately 69,628 gallons per day (gpd) (307 EDU's) of sewage, which includes the 306 new single family dwelling units plus a farm house connection from an adjacent property. A pump station and connecting force main are being proposed as the sanitary sewage conveyance method for the development. The developer has entered into an agreement with the WBMA to expand the existing WWTP to serve the project. See **Exhibit B**.

The site is proposed to be served by public water from the York Water Company and by public sewer service from the Wrightsville Borough Municipal Authority. See **Exhibit C**.

Alternatives analysis (Section H)

Lower Windsor Township's Official Act 537 Sewage Facilities Plan recognizes the area as being served by public sewer and there are public utilities in the vicinity. The existing public utilities have capacity to serve the project, therefore no other sewage alternatives were considered feasible.

1. Describe the chosen disposal method, its location, the daily flow proposed and if the method is an interim method (to be replaced by the ultimate method in 5 years or less), or is an ultimate method (to serve the development in the long term, for 5 years or more). Provide a description of how the chosen method will provide compliance with effluent limitations. Also provide the number of lots or EDU's that will be served.

Public sewage provided by a new gravity sewer collection system for the development, pump station and connection force main owned and operated by Wrightsville Borough Municipal Authority (WBMA) is the ultimate method to provide sewer service. The project will create 306 residential lots and the connection of one existing residential dwelling for a total of 307 EDU's or 69,628 gpd. The developer has entered into an agreement with the WBMA to expand the WWTP to serve the project.

2. Describe the types of land uses adjacent to the project area (Agricultural, Residential, Commercial etc.) and the type of sewage disposal method serving each of those land uses. Properties adjacent to the project must be described by indicating present land uses and zoning designations. Describe the sewage disposal methods being used for each of those adjacent land uses (onlot, municipal treatment, etc.) and if those methods are intended for interim or ultimate use.

To the north, south and east- The land use for the surrounding areas can be characterized as rural agricultural. These properties are served by either public sewage service or on-lot sewage treatment systems.

To the west- This area, across Cool Creek Road, is considered institutional and is used as a public high school and middle school. These facilities are connected to a public sewer system.

3. Indicate if the sewage facilities described in (2) are in need of improvement due to noncompliance with effluent limitations, high rates of onlot malfunction or overloaded public sewers. Is there a potential for a combined public/private project?

There are no known areas in need of improvement due to noncompliance.

4. Determine and indicate what sewage disposal method is proposed for the development area in the municipality's Official Sewage Facilities Plan (such as: onlot disposal systems, public sewers, etc.).

Public sewer is proposed in the Act 537 Plan.

5. Describe any existing sewage management program(s) in the area, and/or any sewage management program(s) that this project would be required to participate in, and that program's requirements.

The design and construction must comply with the WBMA Rules and Regulations.

6. Describe any potential alternative sewage disposal methods that are available for the project.

Public sewer was considered the only viable alternative since the facilities are adjacent to the site, the system has conveyance and treatment capacity and the sites were planned for public sewer in the Act 537 plan. Public sewer is available adjacent to the site along Cool Creek Road. A pump station and force main would be constructed to tie into the WBMA Kreutz Creek Interceptor.

7. Describe why the proposed method was chosen over any of the other methods described in the alternatives analysis. Environmental, administrative, and financial concerns may be addressed. Also indicate how the chosen method will guarantee adequate sewage disposal, including compliance with applicable water quality standards and effluent limitations, for the development in both the short-term (up to 5 years) and long-term (beyond 5 years) by describing the adequacy of the proposed facilities (organic and hydraulic loading) and the ability of the facility to accept additional flows or loads.

This method was chosen since public sewer is adjacent to the site. Connecting to the adjacent public sewer facilities is the most financially feasible and environmentally safe means of sewage disposal. The improvements to the WBMA WWTP will ensure compliance with short-term and long-term water quality and effluent standards.

8. Indicate who will be the owner of the facility, and who will be responsible for operation and maintenance of the facility and ultimately compliance with applicable water quality standards and effluent limitations.

The proposed facilities will be dedicated to the WBMA after construction. They will be publicly owned and operated by the WBMA.

9. Finally, the applicant may use the narrative to describe any special considerations or provide any additional information that supports the choice of disposal method. The alternatives analysis must be attached to the planning module package for review by the municipality and approving agency.

No additional information.

EXHIBIT A

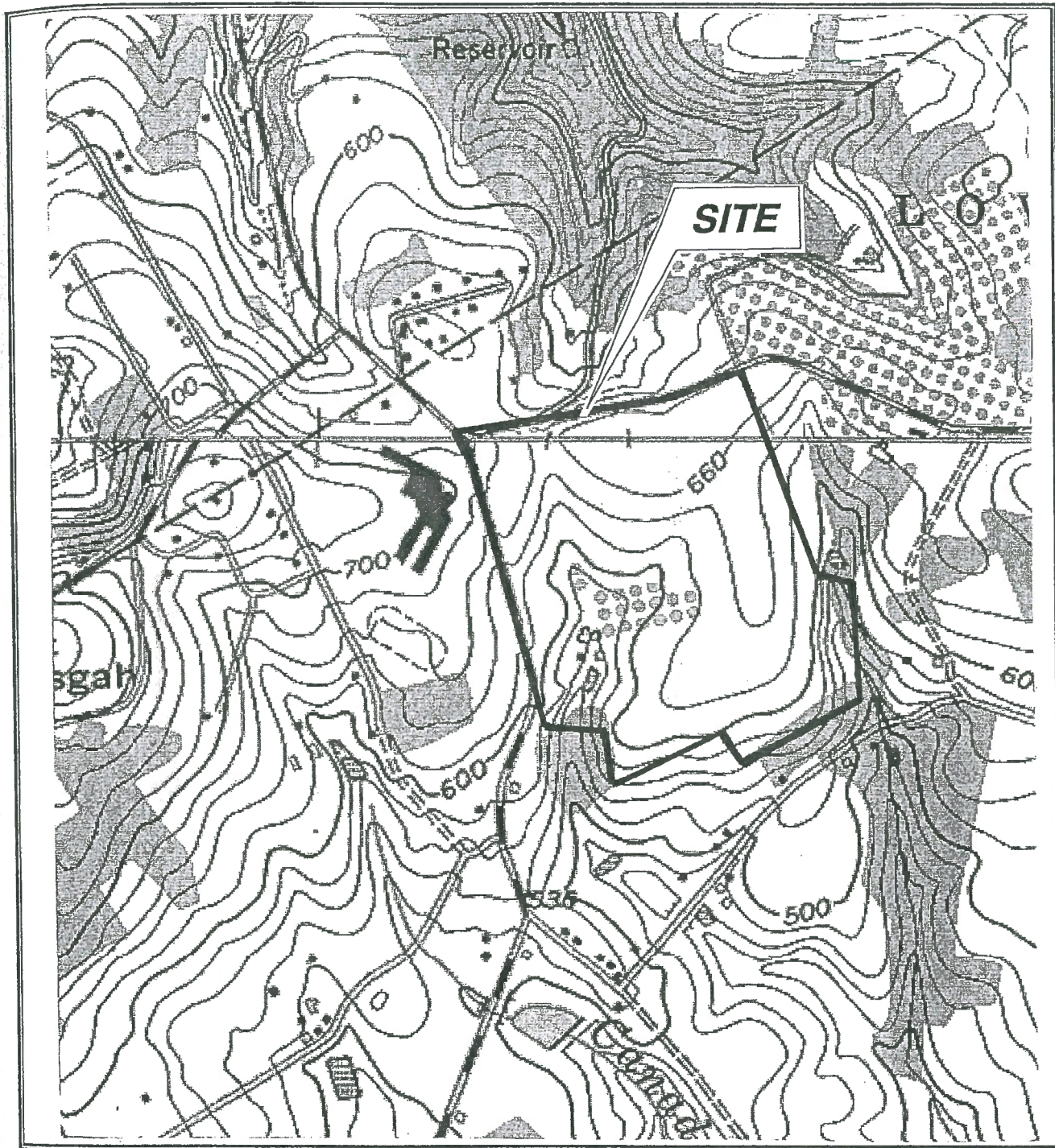


Figure 1. USGS Site Location Map for Todd Tract
USGS Quadrangles: "Red Lion and Columbia West, PA"

↑N
Scale: 1" = 1000'

EXHIBIT B



March 12, 2020

Brian Lyle
Wrightsville Borough Municipal Authority
601 Water Street
Wrightsville, PA 17368-1646

Re: Annual Wasteload Management (Chapter 94) Report
Wrightsville STP
NPDES Permit No. PA0023442
Wrightsville Borough, York County

Dear Mr. Lyle:

The Department of Environmental Protection (DEP) has completed its review of your 2019 Annual Wasteload Management Report as required by 25 Pa. Code § 94.12. As per the report the sewer system will likely be in a projected overload condition after implementation of the Windsor Hills residential project (formerly Todd Farm Tract) which intends to add 306 residential units to the system. The corrective action plan (CAP) submitted to mitigate the capacity related condition (Attachment 9) presents an acceptable approach. Sewage facilities planning is required to address the development and any upgrades necessary to provide needed capacity.

The report is considered acceptable. DEP appreciates your cooperation in meeting the Chapter 94 reporting requirements.

DEP's website at www.dep.pa.gov/chapter94 includes a "Chapter 94 Spreadsheet" and a "Chapter 94 Report Template" form for presenting hydraulic and organic data and graphs along with other crucial details for treatment plants. Thank you for using these templates. DEP strongly encourages the use of these tools for future reports to facilitate statewide consistency in the preparation of Chapter 94 reports.

If you have any questions concerning this notice, please contact Dharmendra Kumar at 717-705-4767 or dkumar@pa.gov.

Sincerely,

A handwritten signature in black ink that reads "Timothy K. Wagner".

Timothy K. Wagner
Environmental Group Manager
Clean Water Program

cc: John A. Klinedinst, P.E., C.S Davidson, Inc.

Parcel No.: 35000KL00170000000
Cool Creek Road
Lower Windsor Township

DEVELOPMENT AGREEMENT

THIS DEVELOPMENT AGREEMENT, is made this ___ day of February, 2020, by and between **GRH 2 LLC**, a Pennsylvania limited liability company, with an address of 160 North Point Boulevard, Lancaster, Pennsylvania 17601, hereinafter referred to as “Developer,” and **WRIGHTSVILLE BOROUGH MUNICIPAL AUTHORITY**, a Pennsylvania municipal authority organized and existing under and pursuant to the Pennsylvania Municipality Authorities Act, as amended, with its mailing address at 601 Water Street, P.O. Box 187, Wrightsville, Pennsylvania 17368, hereinafter referred to as “Authority.”

WITNESSETH: THAT,

WHEREAS, Developer is the legal and equitable owner of +/- 93.66 acres of real property located at Knights View Road (T-789) and Cool Creek Road (SR 2011) in Lower Windsor Township, York County, Pennsylvania identified as Tax Parcel 35000KL00170000000 (the “Property”), and shown on the land development plan entitled “Final Plan For Windsor Hills – Phase 1” (the “Final Plan”), prepared by Penn Terra Engineering, Inc., dated November 1, 2019 and bearing Project No. 19020, which consists of _____ sheets, along with other supporting data prepared by Robert Gabriel & Associates, Inc. and Hershey Engineering, Inc., all of which are incorporated herein and made a part hereof by reference thereto; and

WHEREAS, Developer has proposed to develop the Property with 307 residential units/lots, as generally depicted upon page 3 of the Final Plan (“Proposed Development”); and

WHEREAS, the Authority owns and operates a municipal wastewater treatment plant, providing water and sewer services, including, without limitation, collecting, transporting, treatment and disposal of sanitary sewage and industrial waste, including all related and necessary facilities, to customers in areas in and around the Borough of Wrightsville, including portions of Hellam Township and Lower Windsor Township

(collectively the aforementioned facilities are referred to herein as the “Wastewater Treatment Plant” or “Sewer System”); and

WHEREAS, the Developer desires to reserve from the Authority an adequate amount of sewer capacity for its Proposed Development of the Property pursuant to the Final Plan; and

WHEREAS, in order to provide the appropriate sewer capacity for reservation for the Developer’s Proposed Development of the Property, the Authority will be required to complete upgrades and improvements to its Wastewater Treatment Plant (the “Improvements”), which upgrades and improvements are described in more detail in the Wastewater Treatment Plant Expansion Plan, attached hereto and incorporated herein by reference (the “Expansion Plan”); and

WHEREAS, the Authority is willing to reserve the portion of the sewer capacity that is created by the design, construction, and installation of the Improvements, necessary for the Proposed Development (i.e. 307 equivalent dwelling units (“EDUs”) of capacity) upon the terms and conditions set forth in this Agreement; and

WHEREAS, one of the conditions to be fulfilled before the Authority approves the reservation of sewer capacity is Developer’s entry into an agreement with the Authority for the payment of the costs associated with the design, construction, and installation of the Improvements and performance of certain other obligations, and furnishing security for the fulfillment thereof; and

WHEREAS, Developer proposes to enter into the required agreement with Authority for the payment of the costs associated with the design, construction, and installation of the Improvements and performance of the other obligations, and to furnish the required security for the fulfillment thereof, as an inducement to Authority to reserve the requested sewer capacity; and

WHEREAS, it is anticipated that the completion of the Improvements will create sewer capacity within the Wastewater Treatment Plant in excess of what is necessary for the Proposed Development; and

WHEREAS, the Authority agrees that Developer shall be entitled to reimbursement for a portion of the costs of the design, construction and installation of the Improvements, as the Authority sells such additional capacity within the Wastewater Treatment Plan to others customers.

NOW, THEREFORE, in consideration of the Authority reserving the requested sewer capacity, Developer agrees with the Wrightsville Borough Municipal Authority, intending to be legally bound, as follows:

1. Incorporation of Recitals. The Recitals set forth above are each incorporated as if fully set forth herein.

2. Development in Accordance with Expansion Plan. The Authority shall complete the Improvements in conformance with the Expansion Plan; provided, however, that any deviation from the Expansion Plan will be at the sole and absolute discretion of the Authority, subject to the provisions of Paragraph 5.

3. Construction and Installation of Facilities and Improvements.

A. The Authority shall complete all of the site work and construct the Improvements, all of which are shown on said Expansion Plan and all of which serve to expand the existing sewer capacity of the Wastewater Treatment Plant, within eighteen (18) months of the approval and execution of this Agreement.

B. Developer shall pay for all applicable inspection fees and reimburse the Authority for the reasonable and necessary expenses incurred by it for such inspection based upon the ordinary and customary charges made by the Engineer for similar work performed in the community, but not in excess of the rate or cost charged to the Authority when the fees are not so reimbursed, as provided in the Pennsylvania Municipalities Planning Code, as amended.

4. Fees.

A. Subject to the provisions of Paragraph 5 below, the Developer shall pay to the Authority, within fifteen (15) days of receiving an invoice for the same, and as an ongoing condition precedent to the Authority's obligation to reserve the sewer capacity referenced herein, the following:

- (1.) All costs, fees, expenses, and charges associated with the design, construction, and installation of the Improvements.
- (2.) Any and all costs, expenses and fees associated with the recording of any plans, including, without limitation, the Expansion Plan.
- (3.) Review Fees to the Authority Engineer, Authority Solicitor, and/or professional consultants, if any.

- (4.) Any and all costs, expenses and fees due and owing to the Borough of Wrightsville pursuant to the Wrightsville Borough Subdivision and Land Development Ordinance.
- (5.) All applicable Tapping Fees as they relate to the EDUs reserved by Developer pursuant to the terms hereof, provided that tapping fees for the units within any specific phase of the Proposed Development shall not be due prior to the recording of a final plan for that phase.

B. If the Developer should fail to make payment to the Authority in accordance with the provisions of this agreement, the Authority shall retain the Financial Security, as that term is defined below, as security for, and apply the same toward, the cost thereof if Developer does not make payment as required herein, anything to the contrary notwithstanding.

5. Cost Projection. The Authority has estimated that the total cost of the design, construction, installation and inspection of the Improvements to be Five Hundred Thousand Dollars (\$500,000.00) ("Estimated Cost"). Developer acknowledges and agrees that the Estimated Cost represents only an estimate and shall not be binding upon the Authority. Notwithstanding the foregoing, if the Authority later determines the total cost of the Improvements will exceed the Estimated Cost by more than Five (5%) percent, the Authority shall provide notice to Developer and the Parties shall meet to discuss the then current estimated costs, and the method by which those costs will be paid.

6. Allocation of Future Capacity. The Authority shall allocate or reserve for Developer's Property, for a period of fifteen (15) years from the completion date of the Improvements, the amount of three hundred seven (307) EDUs ("Reserved Capacity") provided Developer complies with the terms hereof. The Reserved Capacity represents a portion of the future and potential capacity of the Wastewater Treatment Plant following the design, construction, and installation of the Improvements and do not include any EDUs currently existing as of the date of this Agreement. If Developer has failed to comply with any term hereof, the Authority shall have no obligation to allocate or reserve any portion of the capacity, existing or future, to the Developer's Property. Notwithstanding the provisions of Paragraph 4.A.5. regarding the recording of a plan for

any specific phase of the Proposed Development, upon the expiration of fifteen (15) years from the completion date of the Improvements, any of the aforementioned Reserved Capacity for which the Developer has not yet paid the tapping fee (the “Reserved and Unpaid Capacity”) shall revert to the Authority, and the Authority shall have the right to use such Reserved and Unpaid Capacity as set forth in Paragraph 7.B. below.

7. Failure to Comply with Agreement. In the event the Developer fails to comply with any term hereof which is not remedied after notice and opportunity to cure or after application of the Financial Security, the following shall apply:

A. Developer shall no longer have capacity in the Sewer System allocated or reserved for Developer’s Property and Developer will be at risk if Developer shall, in the future, make application for connection or reservation of sewer capacity within the Sewer System;

B. The allocated or reserved capacity for Developer’s Property shall revert to the Authority and the Authority shall have the right to use said allocated or reserved capacity in the Sewer System in any way Authority deems appropriate including, but not limited to, reallocating or reserving said reserved capacity in the Sewer System to another user or users;

C. If Developer has failed to comply with the terms hereof and Developer desires, in the future, to reserve or have allocated sewer capacity in the Sewer System for Developer’s Property following the completion of the Improvements, then Developer shall submit a written request to Authority to reserve or allocate sewer capacity within the Sewer System for Developer’s Property. The Authority shall, upon Developer’s request, determine if there is capacity then available in the Sewer System. If there is available capacity in the Sewer System, Authority may allocate capacity for Developer’s Property provided Developer shall pay the applicable tapping fee or tapping fees.

D. Developer acknowledges that if the Developer’s sewer capacity in the Sewer System reverts to Authority, that upon a subsequent application by Developer that there may not be adequate sewer capacity, available to serve the Proposed Development.

E. Developer understands, acknowledges and agrees that there is no recourse remedy for Authority's inability to provide the sewer capacity allocated and reserved by Developer under this Agreement.

8. Reimbursement. Except as provided below, no portion of any amount paid by Developer pursuant to the terms hereof shall be reimbursed by the Authority to the Developer. Authority will make refunds to the Developer for the sale/use of the capacity created by the Improvements made by other developers served by the Authority. Authority shall impose a fee upon other developers purchasing and thereafter utilizing the capacity created by the Improvements. The refund per EDU of capacity sold will be calculated by dividing the total cost of the Improvements funded by Developer by the number of EDUs of capacity created by the Improvements. The Authority may deduct from each reimbursement payment an amount equal to Five (5%) Percent of the reimbursement for administrative expenses and services rendered in calculating, collecting, monitoring and disbursing the reimbursement payments to the Developer. These refunds will be made to the Developer for a period of fifteen (15) years after the completion of the Improvements.

9. Security.

A. The Letter of Credit, issued by Fulton Bank, N.A. obtained by Developer, dated _____, ("Financial Security"), in the amount of Five Hundred Thousand and 00/100 Dollars (\$500,000.00) is financial security for the performance of the Developer hereunder, and the payment of the costs of the Improvements, as set forth more fully in the Cost Estimate prepared by C.S. Davidson, Inc., dated June 28, 2018, attached hereto, incorporated herein and marked **Exhibit "A"**.

B. That if Developer fails to perform the obligations as hereinabove set forth, and notice is given by the Authority to the Developer by a writing delivered to Developer's above-mentioned address setting forth the obligations which Developer has failed to perform, giving Developer thirty (30) days to make arrangements satisfactory with the Authority to perform such obligations after such delivery of notice, then at the end of said thirty (30) day period, if such arrangements have not been made, the Authority may, at its own option, do any of the things so obligated in regard to which there shall have been such a failure of performance and Developer irrevocably constitutes

the Chairman or Secretary of the Authority as his agent for such purpose with full power to execute and deliver such documents as may be appropriate for such purpose.

C. That in the event the payment by Developer for the construction and installation of the Improvements shall not have been completed as provided in 4.A. above, the Authority may draw upon the Financial Security referred to herein above to complete the payment for the Project as required in this Agreement. Developer shall remain liable for any costs of completion of the Improvements that are not recovered by Authority under the Financial Security. If Developer defaults on any of its responsibilities and obligations set forth in any part of this Agreement, including, but not limited to, timely payment of all fees and costs required by the Authority in any part of this Agreement, the Authority may pursue, at its discretion, any and all remedies set forth in this Agreement and all other rights, claims, actions or cause of action available to the Authority under law or equity.

D. As Developer makes payments under this Agreement, the Developer may request that the Authority authorizes the release, from time to time, of such portions of the Financial Security necessary for payment to the Authority. Any such requests shall be in writing addressed to the Authority, which shall have forty-five (45) days from receipt of such request to allow the Authority Engineer to certify, in writing, to it that the estimated cost of the remaining Improvements is equal to or less than the remaining Financial Security. Upon such certification, the Authority shall authorize the release from the Financial Security of an amount, equal to the payments made or to be made to the Authority.

10. Miscellaneous.

A. This Agreement shall not be amended, modified or changed, except in writing, signed by Authority and Developer.

B. This Agreement shall be binding upon and shall inure to the benefit of Authority and its successor. This Agreement shall be binding upon and shall inure to the benefit of a Developer, Developer's successors and assigns.

C. This Agreement shall be governed, enforced and construed in accordance with the laws of the Commonwealth of Pennsylvania.

D. If any paragraph, sentence or other part of this Agreement shall be held by a court of competent jurisdiction by final order or decree to be unlawful,

unconstitutional, unenforceable or invalid, such holding shall not invalidate the remainder of this Agreement.


E. Authority and Developer each represent and warrant to the other that the signatory on behalf of Authority and the signatory on behalf of Developer is authorized to execute this Agreement on behalf of Authority and Developer, respectively, and that no additional authority is required by either signatory.

[Remainder of Page Blank – Signatures Follow]

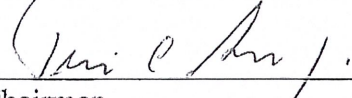
IN WITNESS WHEREOF, Developer and Authority have caused this Agreement to be executed and its corporate seal affixed, the 13th day of February, 2020.

ATTEST:

WRIGHTSVILLE BOROUGH
MUNICIPAL AUTHORITY



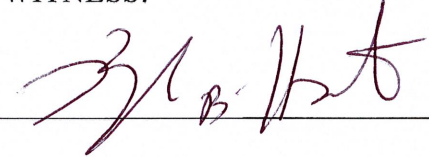
Lorri Harmer, Secretary

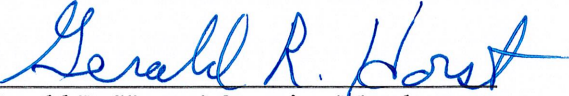
By: 

, Chairman

WITNESS:

GRH 2 LLC



By: 

Gerald R. Horst, Managing Member

EXHIBIT "A"
COST ESTIMATE

38 North Duke Street
York, PA 17401
(717) 846-4805
FAX (717) 846-5811



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June 28, 2018

Mr. Phil Landis, Authority Chairman
Wrightsville Borough Municipal Authority
601 Water Street, P.O. Box 18
Wrightsville, PA 17368

Re: Wastewater Treatment Plant Capacity Study
Wrightsville Borough, York County
Engineer's Project No. 1324.6.31.00

Dear Mr. Landis:

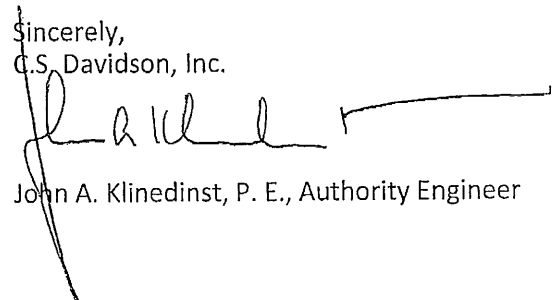
Pursuant to your authorization, we have completed a review of the principle Wrightsville Wastewater Treatment Plant (WWTP) equipment systems. The purpose of our review was to verify the capabilities of the systems to accommodate re-rating of WWTP average daily flow capacity from 0.4 million gallons per day (MGD) to 0.5 MGD. The results of our review are summarized as follows:

- The Influent Screen, Influent Pump, Ultra-Violet Disinfection, and Centrifuge systems are currently of adequate capacity to handle the proposed WWTP capacity increase.
- The Sequencing Batch Reactor (SBR) biological treatment system can be upgraded to provide the proposed capacity increase with modifications to the treatment process operations, and with the following modifications:
 - Addition of one (1) aeration blower equipped with a variable frequency drive (VFD).
 - Addition of VFDs to the eight (8) existing blowers.
 - Addition of one (1) rack of compressed air diffusers to each of the two (2) SBR units.
 - Possible upgrade to the existing aluminum sulfate feed system and addition of supplemental carbon and lime storage and feed systems. The need for these modifications will be confirmed during design of the WWTP modifications.
- Upgrade of the WWTP electrical and instrumentation systems will be required to accompany the SBR system modifications.
- An expanded program of influent and effluent sampling and analysis will be required to verify the current WWTP influent BOD, nitrogen, and phosphorous loadings and treatment performance.
- The proposed capacity increase will require application to the Pennsylvania Department of Environmental Protection for a construction permit and revised effluent discharge permit.

We anticipate that the engineering, permit acquisition, and construction tasks associated with the proposed WWTP capacity increase can be accomplished at a cost of not more than \$500,000 under current market conditions.

Thank you for the opportunity to assist the Authority in its consideration of the WWTP capacity increase. Please let us know if we can be of further service.

Sincerely,
C.S. Davidson, Inc.



John A. Klinedinst, P. E., Authority Engineer

JAK/ems
Copy: File

EXHIBIT C



The York Water Company

May 29, 2020

Dan Hershey, PE
Hershey Engineering, Inc.

via email: dhershey@hersheyeng.com

**Reference: Water Availability Letter
Windsor Hills
306 Unit Residential Development
Lower Windsor Township, York County, PA**

In response to your inquiry, we wish to advise that The York Water Company is able to provide potable water service to the site identified above.

Please note that the extension of water service is contingent upon our receipt of proper application. Also note that this general statement concerning water service is not a declaration or guarantee regarding the available water flow rate or pressure at the site.

Sincerely,

A handwritten signature in blue ink that reads "Mark S. Snyder".

Mark S. Snyder, P.E.
Vice President - Engineering
717-718-2977
marks@yorkwater.com

PNDI

1. PROJECT INFORMATION

Project Name: **The Todd Tract**

Date of Review: **8/12/2019 05:00:41 PM**

Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**

Project Area: **101.79 acres**

County(s): **York**

Township/Municipality(s): **LOWER WINDSOR**

ZIP Code: **17368**

Quadrangle Name(s): **COLUMBIA WEST; RED LION**

Watersheds HUC 8: **Lower Susquehanna**

Watersheds HUC 12: **Cabin Creek-Susquehanna River; Kreutz Creek**

Decimal Degrees: **39.997638, -76.533386**

Degrees Minutes Seconds: **39° 59' 51.4960" N, 76° 32' 0.1883" W**

2. SEARCH RESULTS

Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

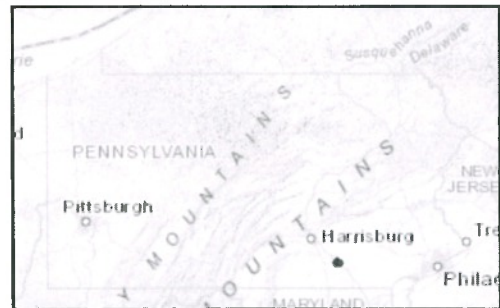
As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

Note that regardless of PNDI search results, projects requiring a Chapter 105 DEP individual permit or GP 5, 6, 7, 8, 9 or 11 must comply with the bog turtle habitat screening requirements of the PASPGP.

The Todd Tract

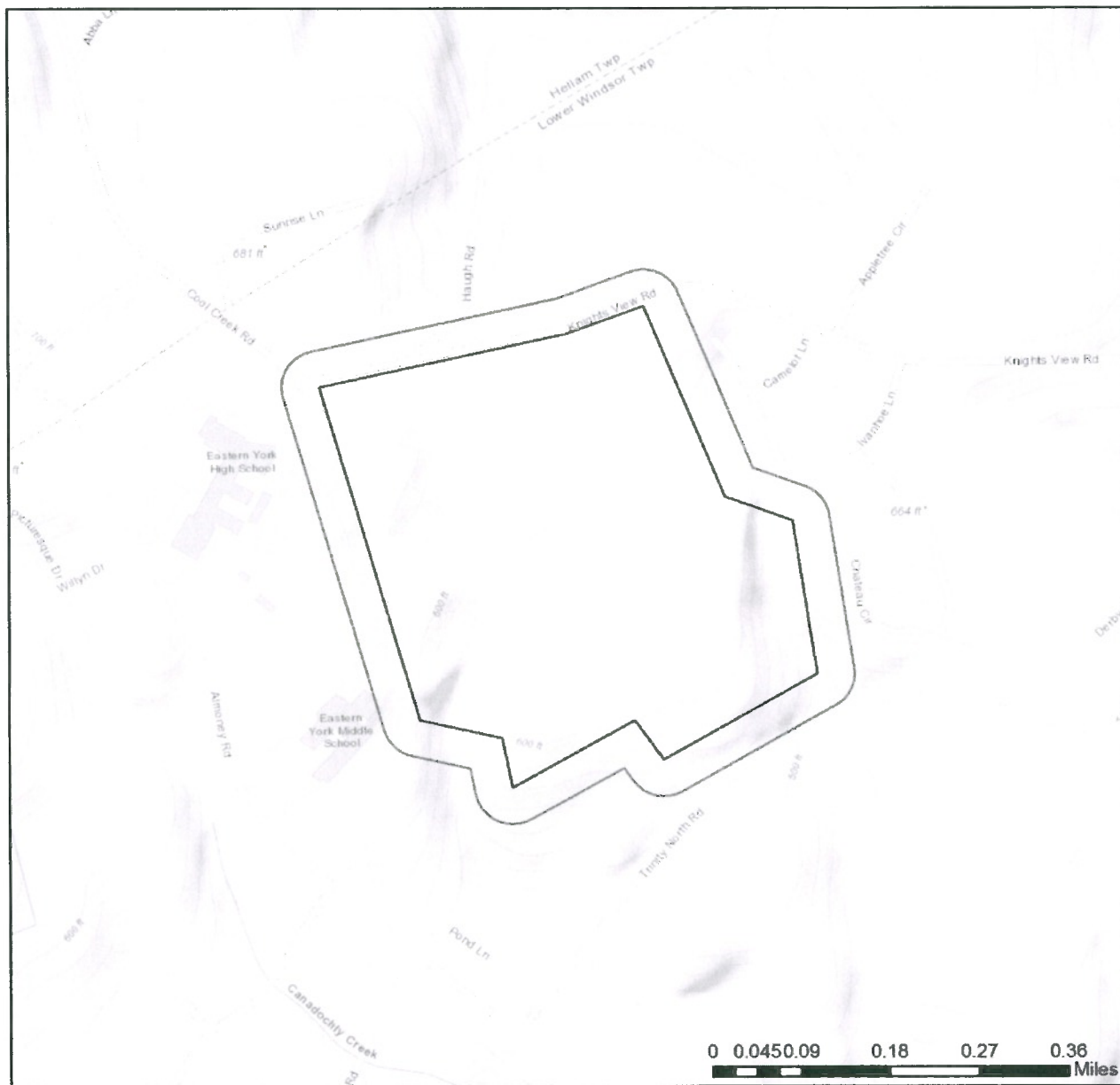


- Project Boundary
- Buffered Project Boundary

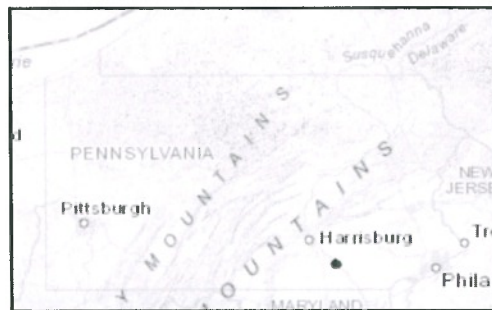


Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

The Todd Tract



- Project Boundary
- Buffered Project Boundary



Service Layer Credits: Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS,

RESPONSE TO QUESTION(S) ASKED

Q1: The proposed project is in the range of the Indiana bat. Describe how the project will affect bat habitat (forests, woodlots and trees) and indicate what measures will be taken in consideration of this. Round acreages up to the nearest acre (e.g., 0.2 acres = 1 acre).

Your answer is: The project will affect 1 to 39 acres of forests, woodlots and trees.

Q2: Is tree removal, tree cutting or forest clearing of 40 acres or more necessary to implement all aspects of this project?

Your answer is: No

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources
Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

U.S. Fish and Wildlife Service
Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
NO Faxes Please

PA Fish and Boat Commission
Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

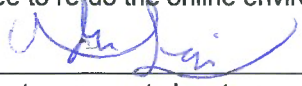
PA Game Commission
Bureau of Wildlife Habitat Management
Division of Environmental Planning and Habitat Protection
2001 Elmerton Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

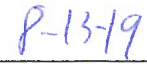
Name: Adam Lewis
Company/Business Name: PennTerra Engineering, Inc.
Address: 3904 B Abel Drive
City, State, Zip: Columbia, PA, 17512
Phone: (717) 522-5031 ext. 303 Fax: (717) 522-5046
Email: alewis@pennterra.com

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.



applicant/project proponent signature



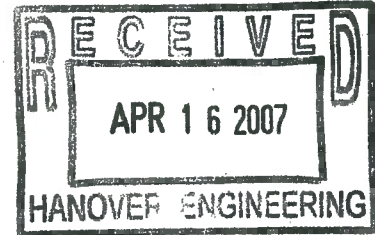
date

PHMC



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
www.phmc.state.pa.us

Attachment A-1-1
Page 257 of 267



April 11, 2007

Meredith J. Burns
Hanover Engineering
20 C Snyder Lane
Ephrata, PA 17522-9101

TO EXPEDITE REVIEW USE
BHP REFERENCE NUMBER

Re: ER 06-1628-133-B
DEP Act 537: Todd Tract Development, Historic Resource Survey Form for Todd Farm, 771 Cool Creek Rd., Lower Windsor Twp., York Co.

Dear Ms. Burns:

The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988). This review includes comments on the project's potential effect on both historic and archaeological resources.

It is the opinion of the Bureau for Historic Preservation that the Todd Farm is not eligible for listing in the National Register of Historic Places. Therefore, in our opinion no historic buildings/structures/districts/objects will be affected by this project. Please refer to our 11 April 2006 letter for our comments on archaeological resources.

If you need further information in this matter please consult Ann Safley at (717) 787-9121.

Sincerely,

Andrea L. MacDonald, Chief
Division of Preservation Services

ALMacD/ras



Commonwealth of Pennsylvania
Pennsylvania Historical and Museum Commission
Bureau for Historic Preservation
Commonwealth Keystone Building, 2nd Floor
400 North Street
Harrisburg, PA 17120-0093
www.phunc.state.pa.us

Attachment A-1-1
Page 258 of 267

April 11, 2006

Meredith J. Burns
Hanover Engineering Associates, Inc.
Southeastern Office
3025 Main Street, Suite 1
Morgantown, PA 19543

Re: File No. ER 06-1628-133-A
DEP 537 PROGRAM: Act 537 Planning Module, The
Todd Tract Development, Lower Windsor Twp., York
Co.

Dear Ms. Burns:

The Bureau for Historic Preservation has reviewed the above named project under the authority of the Environmental Rights amendment, Article 1, Section 27 of the Pennsylvania Constitution and the Pennsylvania History Code, 37 Pa. Cons. Stat. Section 500 et seq. (1988). This review includes comments on the project's potential effect on both historic and archaeological resources.

**A HIGH PROBABILITY EXISTS THAT ARCHAEOLOGICAL RESOURCES
MAY OCCUR WITHIN THE PROPOSED PERMIT AREA**

Based on an evaluation by our staff, there is a high probability that significant archaeological sites are located in this project area and could be adversely affected by project activities. Although there are no recorded archaeological sites within the project boundaries, the soil type, topographic setting, slope direction, and distance to water of the project area are similar to the settings of known archaeological sites in the vicinity. A Phase I archaeological survey of the project area to locate potentially significant archaeological resources is recommended but not required.

If a survey is not conducted and you encounter archaeological resources during construction, you must stop the project, notify the Pennsylvania Historical and Museum Commission's Bureau for Historic Preservation and the Department of Environmental Resources and allow the Bureau for Historic Preservation 60 days to conduct a survey to determine the significance of the archaeological resources. If the Bureau determines that the resources are significant, you must submit a mitigation plan to protect the significant resources on the site. We will review the plan within 30 days.

Your request does not include sufficient information. We are unable to proceed with our review for historic structures until the information on the attached form is provided.

Page 2
April 11, 2006
Meredith J. Burns

FOR YOUR INFORMATION

Pennsylvania Historical and Museum Commission will keep the Determination Notice and the materials you submitted in its files. Please attach this letter to your copy of the Notice and materials then submit the entire package of materials to DEP.

If this project will require any federal permits or will receive federal funding, the federal agency, under the National Historic Preservation Act of 1966, may require the appropriate surveys to be conducted. If the project will need an Army Corp of Engineers permit, this would be a **Category III** activity. We suggest that you consider conducting the survey early in the development or planning process to avoid delays in the future. Guidelines and instructions for conducting Phase I surveys are available from our office upon request.

Thank you for notifying us of your proposed activity.

If you need further information regarding archaeological survey please contact Doug McLearn at (717) 772-0924. If you need further information concerning historic structures please consult Ann Safley at (717) 787-9121.

Sincerely,



Douglas C. McLearn, Chief
Division of Archaeology &
Protection

Cc: DEP, Southcentral Regional Office

Attachment
DCM/trmw

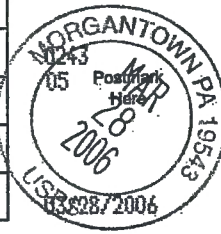
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Restricted Delivery Fee (Endorsement Required)	\$0.00
Total Postage & Fees	\$ 4.88



Sent To
 Bureau of Historic Preservation
 Street, Apt. No.,
 or PO Box No. 400 North Street, 2nd Floor
 City, State, ZIP+4
 Harrisburg, PA 17120-0093
 PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) _____ C. Date of Delivery MAR 30 2006</p> <p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No</p>
<p>1. Article Addressed to: Pennsylvania Historical & Museum Commission Bureau of Historic Preservation 400 North Street, 2nd Floor Harrisburg, PA 17120-0093</p>	<p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p>
<p>2. Article Number (Transfer from service label) 7005 3110 0003 1790 1893</p>	<p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>

LETTER OF TRANSMITTAL



Southeastern Office
3025 Main Street, Suite 1
PO Box 438
Morgantown, PA 19543

610-913-1041
(FAX) 610-913-1045

To: Pennsylvania Historical and Museum Commission
Bureau of Historic Preservation
400 North Street, Second Floor
Harrisburg, PA 17120-0093

Date: March 28, 2006
Re: The Todd Tract
Cultural Resource Notice

CERTIFIED MAIL 7005 3110 0003 1790 1893

Project No. SER-1000

We are sending you Enclosed Under separate cover via Mail Messenger, the following items:

Shop Drawings Prints Data Sheets As Noted
 Specifications Sketches Brochures _____

Our action relative to items submitted for approval has been noted on the drawings.

COPIES	PREPARED BY	REFERENCE NO.	DESCRIPTION
1	MJB		Cultural Resource Notice

THESE ARE TRANSMITTED AS CHECKED BELOW:

- | | | |
|--|--|---|
| <input type="checkbox"/> As requested | <input type="checkbox"/> Approved | <input type="checkbox"/> Resubmit ___ copies for approval |
| <input type="checkbox"/> For your use | <input type="checkbox"/> Approved as corrected | <input type="checkbox"/> Submit ___ copies for distribution |
| <input checked="" type="checkbox"/> For review and comment | <input type="checkbox"/> Revise and resubmit | <input type="checkbox"/> Return _____ corrected prints |
| <input type="checkbox"/> For your information | <input type="checkbox"/> Not approved | <input type="checkbox"/> _____ |

Remarks:

On behalf of Horst and Son developers, we are submitting the enclosed Cultural Resource Notice for review and comment. Please do not hesitate to call if you have any questions or require additional information.

Sincerely:

Meredith J. Burns

copy: Robert Gabriel, Robert Gabriel & Associates w/encl



CULTURAL RESOURCE NOTICE

DEP USE ONLY
Date Received

Read the instructions before completing this form.

SECTION A. APPLICANT IDENTIFIER			
Applicant Name	Gerald R. Horst		
Street Address	160 North Pointe Blvd.		
City	Lancaster	State	PA Zip 17601
Telephone Number	(717) 560-9095		
Project Title	The Todd Tract		
SECTION B. LOCATION OF PROJECT			
Municipality	Lower Windsor Township	County Name	York DEP County Code 67
SECTION C. PERMITS OR APPROVALS			
Name of Specific DEP Permit or Approval Requested:	Act 537 Planning Module		
Anticipated federal permits:	N/A		
<input type="checkbox"/> Surface Mining	<input type="checkbox"/> 404 Water Quality Permit		
<input type="checkbox"/> Army Corps of Engineers	<input type="checkbox"/> Federal Energy Regulatory Commission		
<input type="checkbox"/> 401 Water Quality Certification	<input type="checkbox"/> Other:		
SECTION D. GOVERNMENT FUNDING SOURCES			
<input type="checkbox"/> State: (Name) _____	<input type="checkbox"/> Local: (Name) _____		
<input type="checkbox"/> Federal: (Name) _____	<input type="checkbox"/> Other: (Name) _____		
SECTION E. RESPONSIBLE DEP REGIONAL, CENTRAL, DISTRICT MINING or OIL & GAS MGMT OFFICE			
DEP Regional Office Responsible for Review of Permit Application	<input type="checkbox"/> Central Office (Harrisburg)		
<input type="checkbox"/> Southeast Regional Office (Conshohocken)	<input type="checkbox"/> Northeast Regional Office (Wilkes-Barre)		
<input checked="" type="checkbox"/> Southcentral Regional Office (Harrisburg)	<input type="checkbox"/> Northcentral Regional Office (Williamsport)		
<input type="checkbox"/> Southwest Regional Office (Pittsburgh)	<input type="checkbox"/> Northwest Regional Office (Meadville)		
<input type="checkbox"/> District Mining Office:	<input type="checkbox"/> Oil & Gas Office:		
SECTION F. RESPONSIBLE COUNTY CONSERVATION DISTRICT, if applicable.			
County Conservation District	Telephone Number, if known		
York County Conservation District	717-840-7430		
SECTION G. CONSULTANT			
Consultant, if applicable	Hanover Engineering Associates, Inc.		
Street Address	3025 Main Street, PO Box 438		
City	Morgantown	State	PA Zip 19543
Telephone Number	(610) 913-1041		

SECTION H. PROJECT BOUNDARIES AND DESCRIPTION**REQUIRED**

Indicate the total acres in the property under review. Of this acreage, indicate the total acres of earth disturbance for the proposed activity.

Attach a 7.5' U.S.G.S. Map indicating the defined boundary of the proposed activity.

Attach photographs of any building over 50 years old. Indicate what is to be done to all buildings in the project area.

Attach a narrative description of the proposed activity.

Attach the return receipt of delivery of this notice to the Pennsylvania Historical and Museum Commission.

REQUESTED

Attach photographs of any building over 40 years old.

Attach site map, if available.

SECTION I. SIGNATURE BLOCK

Meredith B. Buis, Hanover Engineering Associates 3-28-2006
Applicant's Signature Date of Submission of Notice to PHMC

PUBLIC NOTICE

PUBLIC NOTIFICATION FOR WINDSOR HILLS

Notice is hereby given for the Windsor Hills Subdivision. This notice is necessary under PA Code 71.53(d)(6) since the subdivisions will generate more than 50,000 gallons per day (gpd) of sewage flows. Windsor Hills consists of 306 single family residential units and one existing home on a 99-acre tract located near the intersection of Cool Creek Road and Knights View Road in Lower Windsor Township, York County. All homes will be served with public sewer and a new pump station to be dedicated to the Wrightsville Borough Municipal Authority. Sewage flows are 307 EDU's or 69,628 gpd. The Sewage Facilities Planning Module is available for public review and comment at the Lower Windsor Municipal Office, 2425 Craley Road, Wrightsville, PA 17368, 717-244-6813. Office Hours M-F, 8:00 AM to 4:30 PM. Comments from the public must be provided in writing and forwarded to the Township Office. Comments shall be accepted for a 30-day period commencing on the date of this publication.

york daily record

PART OF THE USA TODAY NETWORK

HERSHEY ENGINEERING
703 WOODCREST AVENUE

LITITZ, PA 17543

Publication Cost: \$161.00
Ad No: 0004285612
Customer No: 7179513838HERS
PO #: Windsor
of Affidavits 1

This is not an invoice

Affidavit of Publication

Proof of Publication State of Pennsylvania

The York Dispatch/York Sunday News and York Daily Record is the name of the newspapers(s) of general circulation published continuously for more than six months at its principle place of business, 1891 Loucks Road, York, PA 17408.

The printed copy of the advertisement hereto attached is a true copy, exactly as printed and published, of an advertisement printed in the regular issues of the said The York Dispatch/York Sunday News and York Daily Record published on the following dates, viz:

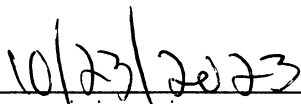
Date of Publication: 07/16/2020

I, being first duly sworn upon oath depose and say that I am a legal clerk and employee of The York Dispatch/York Sunday News and York Daily Record and have personal knowledge of the publication of the advertisement mentioned in the foregoing statement as to the time, place and character of publications are true, and that the affiant is not interested in the subject matter of the above mentioned advertisement.



Subscribed and sworn to before on July 16, 2020:


Notary, State of Wisconsin, County of Brown


My commission expires

PANG PAPPATHOPOULOS
Notary Public
State of Wisconsin

**PUBLIC NOTIFICATION FOR
WINDSOR HILLS**

Notice is hereby given for the Windsor Hills Subdivision. This notice is necessary under PA Code 71.53(d)(6) since the subdivisions will generate more than 50,000 gallons per day (gpd) of sewage flows. Windsor Hills consists of 306 single family residential units and one existing home on a 99-acre tract located near the intersection of Cool Creek Road and Knights View Road in Lower Windsor Township, York County. All homes will be served with public sewer and a new pump station to be dedicated to the Wrightsville Borough Municipal Authority. Sewage flows are 307 EDU's or 69,628 gpd. The Sewage Facilities Planning Module is available for public review and comment at the Lower Windsor Municipal Office, 2425 Craley Road, Wrightsville, PA 17368, 717-244-6813. Office Hours M-F, 8:00 AM to 4:30 PM. Comments from the public must be provided in writing and forwarded to the Township Office. Comments shall be accepted for a 30-day period commencing on the date of this publication.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margaretta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-2 According to DEP’s website, Lower Windsor Township’s most recent DEP-approved Act 537 Plan is dated August 18, 1995. Please provide a copy of this Act 537 Plan, including any subsequent approved revisions (i.e., updates, special studies, planning modules, etc.).

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

See **Attachment A-1-1** attached to Discovery A-1 for a copy of the current Act 537 Plan. This Plan was obtained from the Township engineer and DEP SCRO and it is dated January 1994. This is the Act 537 Plan that the Township is implementing currently. The data request refers to an Act 537 Plan dated August 18, 1995. However, that date is when this Act 537 Plan was approved. Moreover, the only place on the DEP website where an August 18, 1995 Lower Windsor Township Act 537 Plan is indicated is in the region’s Act 537 Aging Report. This is not reflected in PA DEP’s official Sewage Planning records and files.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

- A-3 In Section 7 of the Application, York Water-WW indicated the engineering configuration of the wastewater collection and conveyance system (Margareta System) in the Margareta MHP does not conform to best engineering practices. Further, York Water-WW indicated that it may relocate Margareta System mains (Margareta Main Relocation), at its discretion, into the roadway right-of-way or such other point of connection in a right-of-way. Please provide responses to the following:
- a. Provide a breakdown of the estimated cost of construction, by major plant account and year, of the Margareta Main Relocation; and
 - b. Provide an anticipated construction schedule to complete the Margareta Main Relocation.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

During meetings and site visits, York Water noted that the future relocation of sewer mains may be required. York Water would want to further evaluate the condition of the mains and reliability based upon their existing locations by operating the system and performing inspections. The results of operational observation and evaluation will be used to determine what sections, if any, may require relocation. Any of these decisions to relocate (if, where, when) will be determined at least a few years after closing. Thus, York Water cannot provide an estimated cost of construction or a construction schedule at this time.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

- A-4 In Section 8 of the Application, York Water-WW indicated that the requested service territory consists of an area of land for the Margareta MHP (Parcel ID. 35-000-JL-0082.00-M0069) plus an area north along Prayer Mission Road and west along East Prospect Road to connect a nearby customer who has requested service. Please provide responses to the following:
- a. Clarify whether York Water-WW’s requested service territory includes properties along the north side of Furnace Road across from the Margareta MHP;
 - b. Identify the mailing addresses for all prospective customers within the requested territory along with their respective tax parcel identification numbers, and potential customer class; and
 - c. Provide a copy of all written requests for wastewater service from the prospective customers within the requested territory.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

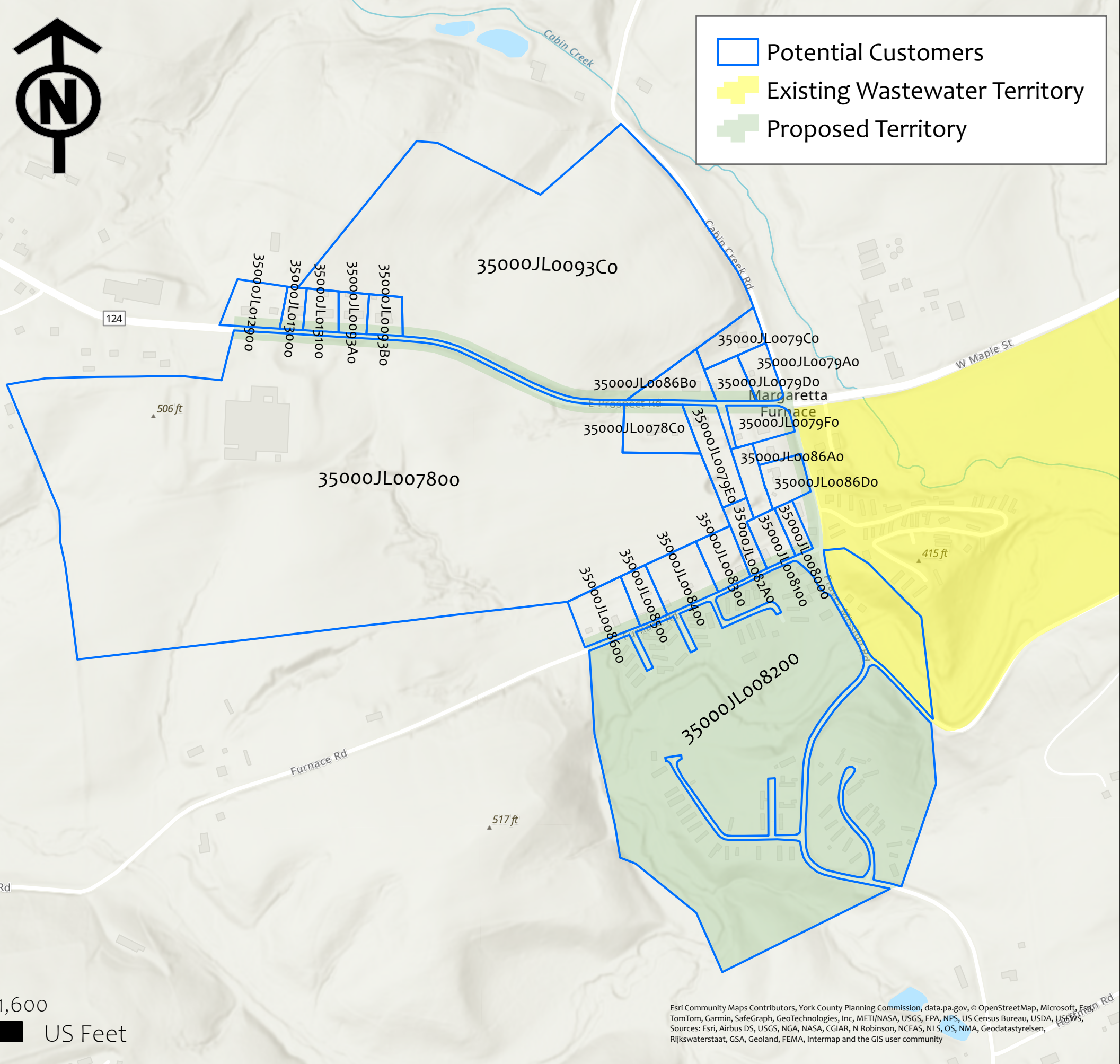
RESPONSE:

- a. York Water’s territory request is the territory described parcel by parcel in **Exhibit B** (B-1, B-2, and B-3) attached to the Application.
- b. A map including all addresses, with tax parcel identification numbers, and potential customer class is attached as **Attachment A-4-1**. All addresses listed on the map are York, Pennsylvania 17406 addresses.
- c. Three written requests were provided from property owners along Furnace Road. These letters are attached as **Attachment A-4-2**.

PIDN	PROPERTY_ADDRESS	CLASS
35000JL007800	5130 EAST PROSPECT RD	I
35000JL0078Co	5184 EAST PROSPECT RD	R
35000JL0079Ao	1390 E CABIN CREEK RD	R
35000JL0079Co	1380 CABIN CREEK RD	R
35000JL0079Do	5191 EAST PROSPECT RD	R
35000JL0079Eo	5188 EAST PROSPECT RD	C
35000JL0079Fo	5192 EAST PROSPECT RD	R
35000JL008000	889 FURNACE RD	R
35000JL008100	883 FURNACE RD	R
35000JL008200	1446 PRAYER MISSION RD	C
35000JL0082Ao	877 FURNACE RD	R
35000JL008300	873 FURNACE RD	R
35000JL008400	853 FURNACE RD	R
35000JL008500	847 FURNACE RD	R
35000JL008600	841 FURNACE RD	R
35000JL0086Ao	5194 EAST PROSPECT RD	R
35000JL0086Bo	5187 EAST PROSPECT RD	R
35000JL0086Do	1422 PRAYER MISSION RD	R
35000JL0093Ao	5141 EAST PROSPECT RD	R
35000JL0093Bo	5145 EAST PROSPECT RD	R
35000JL0093Co	CABIN CREEK RD	F
35000JL012900	5129 EAST PROSPECT RD	R
35000JL013000	5133 EAST PROSPECT RD	R
35000JL013100	5137 EAST PROSPECT RD	R



- Potential Customers
- Existing Wastewater Territory
- Proposed Territory



Esri Community Maps Contributors, York County Planning Commission, data.pa.gov, © OpenStreetMap, Microsoft, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, USEPA, USFWS, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodastatys, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

Attachment A-4-1
Page 1 of 1

TUS Request A-4.b

Title:	TUS Request A-4.b	Drawn By:	Jason Heitmann
Scale:	1 IN. = 450 FT	Checked By:	Alexandra Chiaruttini
Date:	August 13th, 2024		

The York Water Company
 130 E. Market St.
 York, Pa 17401
 (717) 845-3601

July 19th, 2024

RE: Proposed Sewer Main Extension along Furnace Road

Dear York Water Company,

We are seeking sewer service to our property at:

Tax Parcel: 350-00JL-008-600 at, 841 Furnace RD York PA 17406

We are requesting The York Water Company to extend sewer service to the above property address. We are requesting one EDU of sewer service.

Sincerely,

Patricia & Russel Brenneman

Russel Brenneman



July 25th, 2024

RE: Proposed Sewer Main Extension along Furnace Road

Dear York Water Company,


We are seeking sewer service to our property at:

Tax Parcel: 350-00JL-008-100 at, 883 Furnace RD York PA 17406

We are requesting The York Water Company to extend sewer service to the above property address. We are requesting one EDU of sewer service.

Sincerely,

Michael J. Shupp

A handwritten signature in black ink that reads "Michael J. Shupp". The signature is written in a cursive style with a large, stylized initial "M".

RE: Proposed Sewer Main Extension along Furnace Road

Dear York Water Company,

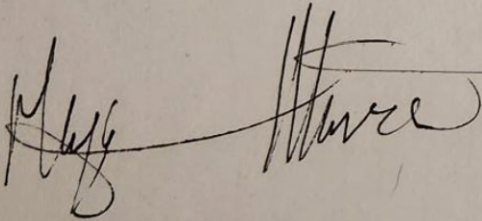
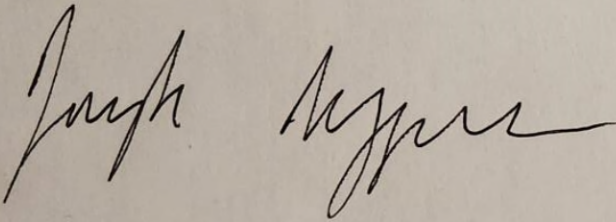
We are seeking sewer service to our property at:

Tax Parcel: 350-00JL-008-500 at, 847 Furnace RD York PA 17406

We are requesting The York Water Company to extend sewer service to the above property address. We are requesting one EDU of sewer service.

Sincerely,

Maya & Joseph Mazzur



TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-5 Please provide an estimate of the number of customer connections, by class, in the first, fifth, and tenth years following close of the transaction as well as the estimated wastewater flow, in gallons per day, for each year.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

York Water cannot accurately predict the number of customer connections in 5 or 10 years beyond the current customers in Margareta MHP and the three additional residential customers who have requested wastewater service from York Water (see **Attachment A-4-2**). Attached as **Attachment A-5-1** is an updated version of Exhibit J, which reflects the addition of these three potential residential customers in the Company’s revenue and expense projection. Any additional customer connections should not be included in this revenue and expense projection.

In addition, York Water would extend sewer service to customers requesting it in accordance with the terms and conditions of its tariff. At this time, it is unclear if any potential customers would need or be willing to pay for sewer main extensions, which would be extended in accordance with the York Water tariff. York Water assumes 350 GPD per EDU for any additional customer connections for sound planning and system management purposes.

EXHIBIT J (UPDATED)

Estimated Annual Revenue and Expense Figures

Projected annual revenue is based upon York Water's Commission-approved wastewater rates for East Prospect and Lower Windsor Area, Jacobus Borough Area, and Straban Township Area, as set forth in Supp. No. 23 to Wastewater – Pa. P.U.C. No. 1, Eleventh Revised Page No. 4.

Monthly Residential Customer Charge	\$ 86.90
	<u> x 64</u>
Monthly Residential Revenue	\$ 5,562
Monthly Total Revenue	\$ 5,562
	<u> x 12</u>
Annual Total Revenue	<u>\$ 66,744</u>

Estimated expenses are calculated based on the Company's latest cost of service study performed with the latest rate filing effective March 1, 2023. The Company expects the expenses for the new customers to mirror those of the current system.

O & M Expenses (34.1% of revenue)	\$22,760
Depreciation (18.6% of revenue)	12,414
General Taxes (2.1% of revenue)	1,402
Income Taxes (5.4% of revenue)	3,604
Total Operating Expenses	\$40,180
Operating Income	\$26,564

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margaretta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-6 In Section 15 of the Application, York Water-WW indicated that water service to Margaretta MHP is provided by the York Water Company. However, the Application is silent as to how water service is provided in the remaining portions of the requested service territory. Please identify the water service provider or the means of water service (e.g., on-lot wells, etc.) for the portion of the requested service territory that is situated outside of the Margaretta MHP.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

York Water holds the Certificate of Public Convenience for water service in the area around Margaretta MHP. York Water currently maintains water mains along East Prospect Road, West Maple Street, and Prayer Mission Road. It is assumed that parcels without York Water are reliant upon private wells, as there is no municipal service in this area.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margaretta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-7 The Application's Exhibit H included a copy of a map of the Margaretta System. The Margaretta System appears to convey flow to the Margaretta MHP WWTP that was not included as part of the acquisition. Please provide an alternatives analysis comparing the cost and other related factors of continuing to operate the Margaretta MHP WWTP to the Application's proposal of extending wastewater facilities (Main Extension) to treat wastewater at the Lower Windsor WWTP.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

The Margaretta MHP WWTP is inferior (and much older) to York Water's existing Lower Windsor WWTP, which is has new, state of the art technology and treatment. York Water is not interested in operating a second sewage treatment plant this close to a new plant that the Company owns and operates. Moreover, the consolidation of wastewater treatment facilities in reasonable proximity is a longstanding sewage planning and environmental regulatory goal. The Margaretta MHP WWTP is not an asset York Water is interested in acquiring, nor would it make long term economic sense to operate two separate facilities in such close proximity.

As noted, the Purchase Agreement between York Water and Margaretta MHP does not include the existing Margaretta MHP WWTP. After the acquisition is complete, and the new wastewater extension can convey flows to the Lower Windsor WWTP, the Margaretta MHP will decommission the Margaretta MHP WWTP, and the permits will be terminated.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-8 The Application’s Exhibit K included a copy of a letter from the York County Planning Commission (YCPC Letter) entitled “Margareta MHP Wastewater Collection System Acquisition and Sewer Extension” dated June 3, 2024. The YCPC Letter indicated that the Application is not consistent with the adopted county or multi-county comprehensive plan. The York County Planning Commission was only supportive of providing wastewater service to the limited-service area of the existing Margareta MHP. Please explain why the requested service territory includes areas of land along the route of the Main Extension from the interconnection with the Margareta System to York Water-WW’s existing system, contrary to the limited-service area supported by the YCPC Letter.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

York Water’s Application would allow the Company to provide wastewater service to the customers located beyond the boundaries of the Margareta MHP who are requesting wastewater service (see response to Discovery A-5). Further, the Lower Windsor Township consistency letter indicates compliance with the local plan. York County’s Plan is advisory and not legally binding. It is the legal responsibility for the local government to plan for land development within its jurisdiction. Thus, Lower Windsor Township has the final word on local planning decisions within its jurisdictional boundaries.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margaretta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-9 The Application did not provide a detailed description of the Main Extension, including anticipated pump stations, manholes and related appurtenances. Please provide the following information for the Main Extension:

- a. Provide a vector graphics map of suitable scale that depicts and identifies the pipe sizes, material type, and location or route of the proposed Main Extension from the Margaretta System to the point of connection to York Water-WW's system and include the sizes and material types of York Water-WW's existing upstream and downstream wastewater mains;
- b. Provide a breakdown of the anticipated pipe sizes, material types, and lengths for the proposed Main Extension, and descriptions and quantities for related appurtenances (e.g., gravity mains, force mains, pump stations, manholes, service laterals, etc.);
- c. Provide a breakdown of the estimated cost of construction, by major plant account, for the proposed Main Extension; and
- d. Provide the anticipated construction schedule to complete the proposed Main Extension.

RESPONDENT:

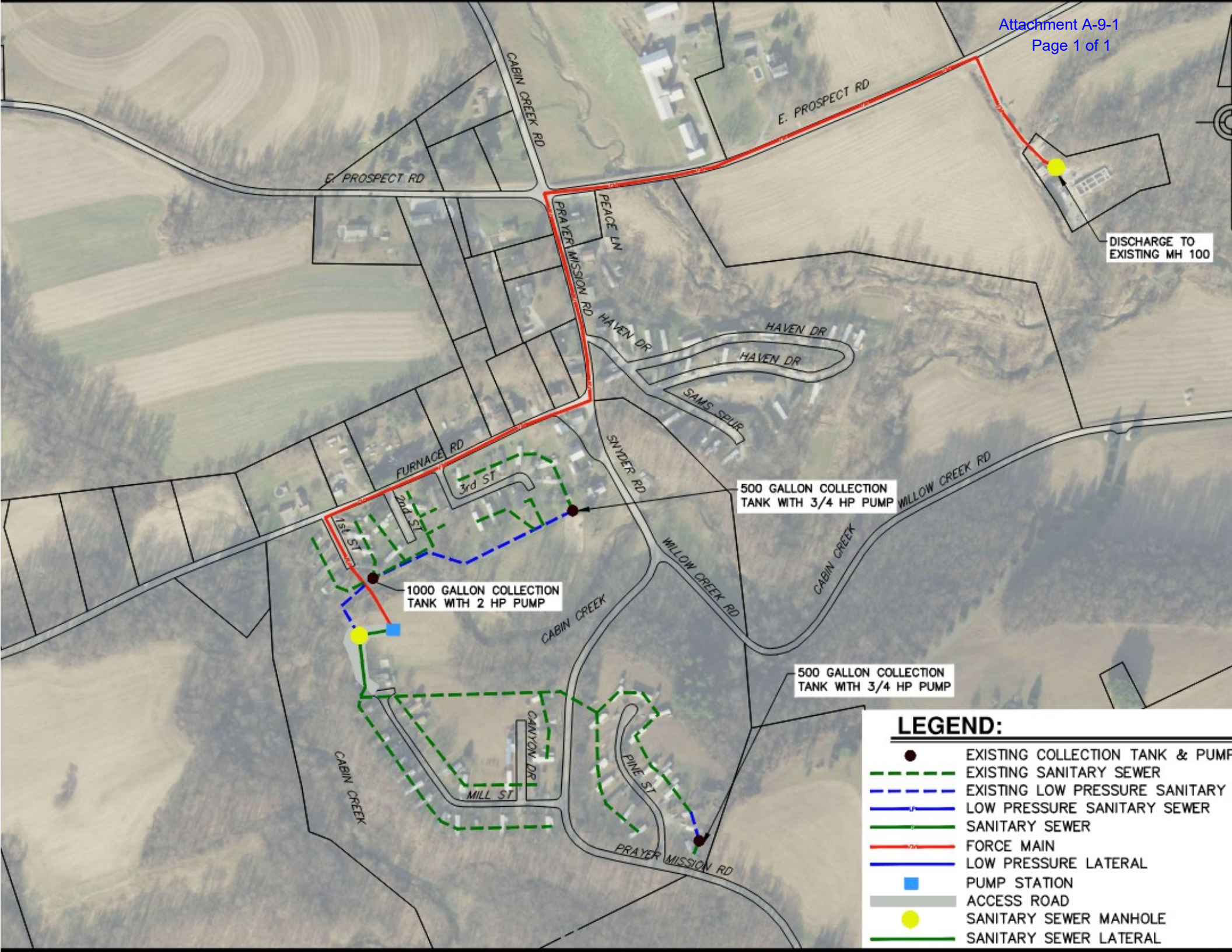
Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

- a. Upon approval by the PUC, York Water will finalize the design of the wastewater main extension and will proceed to apply for the DEP permits required for the trace corridor. A preliminary map of the currently proposed main extension route is shown in **Attachment A-9-1**. The main is expected to be 3,925 LF of 3" HDPE main from the Lower Windsor WWTP to the pump station.
- b. The finalized design consisting of the pipe sizes, material types, pipe lengths,

descriptions and quantities for related appurtenances will be submitted to DEP as part of the DEP required permitting processes. Based on information known today and York Water's experience, the force main diameter will likely be 36" HDPE SDR 11 (material), and the estimated length of the force main is 3,925 feet. A pump station will be required in this extension project, for which property rights will be secured.

- c. A preliminary cost estimate for the main extension is provided in the table set forth in **Attachment A-9-2**. The cost estimate is not representative of a final design and serves as an order-of-magnitude cost estimate for the proposed main extension. Major Plant Accounts are listed in the attachment.
- d. The anticipated/desired commencement of construction will be dependent upon the timeframe of PUC approval, completion of design, receipt of required DEP and other authorizations, and availability of qualified contractors. York Water would work to initiate this project as soon after PUC approval as possible but not more than six months thereafter.



LEGEND:

- EXISTING COLLECTION TANK & PUMP
- EXISTING SANITARY SEWER
- EXISTING LOW PRESSURE SANITARY
- LOW PRESSURE SANITARY SEWER
- SANITARY SEWER
- FORCE MAIN
- LOW PRESSURE LATERAL
- PUMP STATION
- ACCESS ROAD
- SANITARY SEWER MANHOLE
- SANITARY SEWER LATERAL

ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	UNIT COST	EXTENSION
GENERAL					
1	MOBILIZATION, BONDS, INSURANCE AND PROJECT MANAGEMENT (5%)	1	L.S.	\$ 51,060.00	\$ 51,060.00
2	TRAFFIC MAINTENANCE & PROTECTION (3%)	1	L.S.	\$ 30,640.00	\$ 30,640.00
3	EROSION AND SEDIMENT CONTROL (1.5%)	1	L.S.	\$ 15,320.00	\$ 15,320.00
4	CLEARING AND GRUBBING	1	L.S.	\$ 10,000.00	\$ 10,000.00
SANITARY SEWER MANHOLES, PIPES, & APPURTENANCES					
5	4 FOOT DIAMETER MANHOLES	10	V.F.	\$ 375.00	\$ 3,750.00
6	STANDARD MANHOLE FRAME AND COVER	1	EA.	\$ 780.00	\$ 780.00
7	10" SDR-35 PVC SANITARY SEWER MAIN INSTALLATION	90	L.F.	\$ 75.00	\$ 6,750.00
PUMP STATION					
8	SUBMERSIBLE PUMP STATION	1	EA.	\$ 500,000.00	\$ 500,000.00
FORCE MAIN & APPURTENANCES					
9	AIR RELEASE VALVE MANHOLE	3	EA.	\$ 27,500.00	\$ 82,500.00
10	3-INCH DR-11 HDPE FORCE MAIN, INCLUDING EXCAVATION & BACKFILL	3,910	L.F.	\$ 65.00	\$ 254,150.00
SURFACE RESTORATION					
11	10' - 12' DEPTH SANITARY SEWER EXCAVATION & SUITABLE BACKFILL	90	L.F.	\$ 100.00	\$ 9,000.00
12	VEGETATIVE RESTORATION	950	L.F.	\$ 4.60	\$ 4,370.00
13	MUNICIPAL PAVEMENT RESTORATION (S-3.01)	3,050	L.F.	\$ 45.00	\$ 137,250.00
MISCELLANEOUS					
14	ADDITIONAL UNCLASSIFIED EXCAVATION	25	C.Y.	\$ 55.00	\$ 1,375.00
15	MISCELLANEOUS CONCRETE INSTALLATION	25	C.Y.	\$ 50.00	\$ 1,250.00
16	UNKNOWN UTILITY REPAIR	1	L.S.	\$ 20,000.00	\$ 20,000.00
CONSTRUCTION SUBTOTAL					\$ 1,128,195.00
TOTAL W/ 25% CONTINGENCY					\$ 1,411,000.00
TOTAL W/ 50% CONTINGENCY					\$ 1,693,000.00
ENGINEERING DESIGN, PERMITTING, AND CONSTRUCTION SERVICES (20%)					\$ 282,200.00

Major Plant Accounts:

1, 8 - #10135430

2, 3, 4, & 10-16 - #10136020

5, 6, 9 - #10136121

7 - #10136120

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-10 Please identify the permits, easements, and right-of-way that are required to construct, operate, and maintain the Margareta System and the Main Extension, quantify their estimated costs, and identify the entity responsible for obtaining each permit, easement, or right-of-way.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

York Water will apply to the Pennsylvania Department of Environmental Protection (PA DEP) for a Water Quality Management (WQM) Permit for the proposed wastewater pumping station that will be constructed to convey flow from the Margareta Mobile Home Park (MHP) to the Lower Windsor Wastewater Treatment Plant (LWWWTP).

Depending on the final alignment of the proposed sewers, several stream crossings will be required. General Permit 5 (GP 5) Utility Stream Permit applications will be submitted to PA DEP for each of the crossings. A stormwater management plan will also have to be developed and submitted to PA DEP.

An application for an NPDES earth disturbance permit for construction will be submitted to the York County Conservation District (YCCD).

Depending on the wastewater collection and conveyance alternative selected, an easement for a new sewer may also be required across Parcel 35000JL009300, from East Prospect Road (State Route 124) along the existing access driveway to York Water's existing parcel for the LWWWTP. York Water estimates, based upon experience, the cost to obtain the anticipated easements to be \$8,000, in total.

It is anticipated that all other proposed wastewater facilities will be located within the rights-of-way (ROWs) of existing public roads. York Water will obtain occupancy permits to install the proposed sewers within all public road ROWs.

York Water will engage an engineering consultant to complete all design and permitting work required for the proposed wastewater facilities. It is estimated, based upon the Company's experience in such projects, the consultant's fee for the permitting work will be about \$40,000.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-11 Please provide copies of Margareta MHP, LLC's (Margareta's) current rules, agreements and forms which detail Margareta's provision of wastewater service to tenants in the Margareta MHP.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

Margareta does not have any formal rules or regulations document. The owner merely asks customers not to flush anything other than bodily fluids and toilet paper into the system. Each tenant is billed a prorated amount for sewage based upon the wastewater treatment plant's actual costs for the billed increment. Tenant bill backs began January 1, 2024. The November Margareta MHP customer notice letter regarding the bill back from Foote Property Management, LLC is attached hereto as **Attachment A-11-1**. This notice represents the only written rules of the current owner/seller.

Foote Property Management, LLC
2678 Mount Rose Ave
York, PA 17402
(717) 885-8686

11/20/2023

[REDACTED]

Dear [REDACTED],

It has been great working with you thus far! We are looking forward to our continued relationship. Your prompt rental payments are greatly appreciated.

This letter is to inform you as of January, 2024 we will NOT be increasing rental rates however, we will begin billing back all residents for sewer & trash usage. The attached letter will explain the bill back in depth.

All other terms of the Lease Agreement will remain in full force and effect.

This rental increase is necessary due to increasing property expenses.

If you decide to vacate the property, please notify our office as soon as possible.

Sincerely,

Foote Property Management, LLC



Foote Property Management, LLC
2678 Mount Rose Ave
York, PA 17402
(717) 885-8686

Notice of Utility Charges Effective January 1st, 2024

11/20/2023

[REDACTED]
[REDACTED] St.
[REDACTED]

As of January 1st, 2024 all Margareta MHP residents will be billed for their Sewage & Trash usage. You will receive your first sewage/trash bill by the middle of December 2023 showing the amount due January 1st, 2024, the same time your rent is due. If you are on Epay we will pull rent, sewer, and trash at the same time. You will be billed at the same rates we are charged for the Waste Water Treatment Plant Operations. As of now, the approx. monthly charge per house is 53.25. This will fluctuate with the monthly costs associated with running the sewer plant. Some months may be a little more and some months may be a little less.

Additionally, all residents will now pay for their individual trash disposal. You will be billed at the same rates we are charged through Republic Services. The approx monthly trash charge is \$18 per house.

Please note that sewer/trash bills will be enforced the same as rent and will always be due on the 1st of each month.

Sincerely,

Foote Property Management, LLC

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margaretta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-12 Please provide a copy of the Lower Windsor WWTP's DEP-approved National Pollutant Discharge Elimination System Permit along with copies of the associated DEP approval letters.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

The NPDES Permit is attached hereto as **Attachment A-12-1**. The renewal application was submitted to PA DEP and is currently under review. The associated approval letters were not available in PA DEP's files.



MAY 30 2019

CERTIFIED MAIL NO. 9171 9690 0935 0196 4642 63

Mark Snyder
York Water Co.
130 E Market Street
York, PA 17401-1219

Re: Final NPDES Permit- Sewage 3F
East Prospect STP
NPDES Permit No. PA0084565
Authorization ID No. 1215066
Lower Windsor Township, York County

Dear Mr. Snyder:

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 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.3 of the permit are met to submit hard copies.

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.

We would like to bring DEP's eNOTICE service to your attention. eNOTICE is a subscription service that provides options to receive notifications of DEP's activities such as the receipt of permit applications, comment periods for guidance and regulations, and stream redesignation evaluations. To sign up for an account, visit DEP's website (www.dep.pa.gov) and select Data and Tools – Tools – eNOTICE.

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:

Mr. Mark Snyder

- 2 -

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

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.

If you have any questions, please contact Aaron Baar at abaar@pa.gov or 717.705.4791.

Sincerely,



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

Enclosures

Mr. Mark Snyder

- 3 -

cc: F
Victor Landis
Central Office, Division of Operations



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

NPDES PERMIT NO: PA0084565

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 Water Co.
 130 E Market Street
 York, PA 17401-1219**

is authorized to discharge from a facility known as **East Prospect STP**, located in **Lower Windsor Township, York County**, to **Cabin Creek** in Watershed(s) 7-I 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 JUNE 1, 2019

THIS PERMIT SHALL EXPIRE AT MIDNIGHT ON MAY 31, 2024

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

 MAY 30 2019

ISSUED BY

 Maria D. Bebenek

**Maria D. Bebenek, P.E.
 Environmental Program Manager
 Southcentral Regional Office**

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

I. A. For Outfall 001, Latitude 39° 57' 53.81", Longitude 76° 31' 51.17", River Mile Index 4.64, Stream Code 07848

Receiving Waters: Cabin Creek

Type of Effluent: Sewage Effluent

- The permittee is authorized to discharge during the period from June 1, 2019 through Startup of New or Upgraded Facilities.
- 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
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	XXX	XXX	1/day	Grab
Dissolved Oxygen	XXX	XXX	5.0 Inst Min	XXX	XXX	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5)	18.0	29.0	XXX	25.0	40.0	1/week	24-Hr Composite
Biochemical Oxygen Demand (BOD5)	Report	Report Daily Max	XXX	Report	XXX	1/week	24-Hr Composite
Raw Sewage Influent	22.0	33.0	XXX	30.0	45.0	1/week	24-Hr Composite
Total Suspended Solids	Report	Report Daily Max	XXX	Report	XXX	1/week	24-Hr Composite
Total Suspended Solids Raw Sewage Influent	XXX	XXX	2000 Geo Mean	2000	10000	1/week	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	200 Geo Mean	200	1000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	Report	XXX	1/week	Grab
Ultraviolet light intensity (mW/cm²)	XXX	XXX	XXX	Report	XXX	Continuous	Recorded

Outfall 001, Continued (from Permit Effective Date through Startup of New or Upgraded Facilities)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾			Concentrations (mg/L)			Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Ammonia-Nitrogen Nov 1 - Apr 30	Report	XXX	XXX	Report	XXX	XXX	1/week	24-Hr Composite
Ammonia-Nitrogen May 1 - Oct 31	6.9	XXX	XXX	9.5	XXX	19	1/week	24-Hr Composite
Total Phosphorus	Report	XXX	XXX	Report	XXX	XXX	1/week	24-Hr Composite

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at Outfall 001

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

I. B. For Outfall 001, Latitude 39° 57' 53.81", Longitude 76° 31' 51.17", River Mile Index 4.64, Stream Code 07848

Receiving Waters: Cabin Creek

Type of Effluent: Sewage Effluent

1. The permittee is authorized to discharge during the period from Startup of New or Upgraded Facilities through May 31, 2024.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements and Footnotes).

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾			Concentrations (mg/L)			Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Report Daily Max	Minimum	Average Monthly	Weekly Average		
Flow (MGD)	Report	Report Daily Max	XXX	XXX	XXX	XXX	Continuous	Measured
pH (S.U.)	XXX	XXX	6.0 Inst Min	5.0 Inst Min	XXX	XXX	1/day	Grab
Dissolved Oxygen	XXX	XXX	XXX	XXX	XXX	XXX	1/day	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5)	36.0	58.0	XXX	XXX	25.0	40.0	1/week	24-Hr Composite
Biochemical Oxygen Demand (BOD5)	Report	Report Daily Max	XXX	XXX	Report	XXX	1/week	24-Hr Composite
Raw Sewage Influent	43.0	65.0	XXX	XXX	30.0	45.0	1/week	24-Hr Composite
Total Suspended Solids	Report	Report Daily Max	XXX	XXX	Report	XXX	1/week	24-Hr Composite
Total Suspended Solids Raw Sewage Influent	XXX	XXX	XXX	XXX	2000 Geo Mean	10000	1/week	Grab
Fecal Coliform (No./100 ml) Oct 1 - Apr 30	XXX	XXX	XXX	XXX	200 Geo Mean	1000	1/week	Grab
Fecal Coliform (No./100 ml) May 1 - Sep 30	XXX	XXX	XXX	XXX	Report	Report	Continuous	Recorded
Ultra violet light intensity (mW/cm ²)	Report	XXX	XXX	XXX	Report	XXX	2/week	24-Hr Composite
Ammonia-Nitrogen Nov 1 - Apr 30	Report	XXX	XXX	XXX	Report	XXX		

Outfall 001 , Continued (from Startup of New or Upgraded Facilities through Permit Expiration Date)

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Units (lbs/day) ⁽¹⁾		Concentrations (mg/L)				Minimum ⁽²⁾ Measurement Frequency	Required Sample Type
	Average Monthly	Weekly Average	Minimum	Average Monthly	Weekly Average	Instant. Maximum		
Ammonia-Nitrogen May 1 - Oct 31	12.4	XXX	XXX	8.5	XXX	17	2/week	24-Hr Composite
Total Phosphorus	Report	XXX	XXX	Report	XXX	XXX	2/week	24-Hr Composite

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

at Outfall 001

**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-BCW0435) 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 0.175 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 001 were determined using an effluent discharge rate of 0.0875 MGD.
- (3) The organic design capacity of 511 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.

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

I. C. For Outfall 001, Latitude 39° 57' 53.81", Longitude 76° 31' 51.17", River Mile Index 4.64, Stream Code 07848

Receiving Waters: Cabin Creek

Type of Effluent: Sewage Effluent

1. The permittee is authorized to discharge during the period from June 1, 2019 through Startup of New or Upgraded Facilities.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements 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	1/week	24-Hr Composite
Kjeldahl--N	Report	XXX	Report	XXX	1/week	24-Hr Composite
Nitrate-Nitrite as N	Report	XXX	Report	XXX	1/week	24-Hr Composite
Total Nitrogen	Report	Report	Report	XXX	1/month	Calculation
Total Phosphorus	Report	Report	Report	XXX	1/week	24-Hr Composite

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

at Outfall 001

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.

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

I. D. For Outfall 001, Latitude 39° 57' 53.81", Longitude 76° 31' 51.17", River Mile Index 4.64, Stream Code 07848

Receiving Waters: Cabin Creek

Type of Effluent: Sewage Effluent

1. The permittee is authorized to discharge during the period from Startup of New or Upgraded Facilities through May 31, 2024.
2. Based on the anticipated wastewater characteristics and flows described in the permit application and its supporting documents and/or amendments, the following effluent limitations and monitoring requirements apply (see also Additional Requirements 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	Maximum		
Ammonia--N	Report	Report	Report	XXX	XXX	24-Hr Composite 2/week
Kjeldahl--N	Report	XXX	Report	XXX	XXX	24-Hr Composite 2/week
Nitrate-Nitrite as N	Report	XXX	Report	XXX	XXX	24-Hr Composite 2/week
Total Nitrogen	Report	5859	Report	XXX	XXX	Calculation 1/month
Total Phosphorus	Report	974	Report	XXX	XXX	24-Hr Composite 2/week

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):
at Outfall 001

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.

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)(ii))

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(j)(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(j)(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. The 3-year period shall be extended as requested by DEP or the EPA Regional Administrator.

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

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

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

4. Test Procedures

- 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(i)(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-BCW0463). 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-BCW0189) 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(q) 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-BCW0482), 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 (as defined at 40 CFR 403.3), 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-BCW0450) 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-BCW0437) 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.
- (iii) 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-BCW0440). The reports shall contain the information listed in paragraph C.4.b.(ii) of this section. (40 CFR 122.41(l)(7))

PART B

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 Title 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 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; (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; and (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 that has demonstrated 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 DEP 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 or 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: **Minor Sewage Facility ≥0.05 and <1 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 Annual Total Mass Load 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 actual daily discharge loads for TN and TP (lbs/day) divided by the number of samples per Compliance Year, multiplied by the number of days in the Compliance Year in which there was a discharge.

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. Chesapeake Bay Annual DMR – The permittee shall submit the Chesapeake Bay Annual DMR through the eDMR system to report Annual Total Mass Loads and Annual Net Mass Loads by November 28th following each Compliance Year.
3. 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 as an attachment to the Chesapeake Bay Annual DMR, unless instructed otherwise by DEP.

II. 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-BCW0438) and "Supplemental Report – Influent & Process Control" (Form No. 3800-FM-BCW0436), 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-BCW0437) and "Supplemental Report – Hauled In Residual Wastes" (Form No. 3800-FM-BCW0450), 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.

III. 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.

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF CLEAN WATER
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME York Water Co.
 ADDRESS 130 E Market Street
 York, PA 17401-1219
 FACILITY East Prospect STP
 LOCATION Lower Windsor Township
 York County
 WATERSHED 7-1

PA0084565
 PERMIT NUMBER

001
 OUTFALL NUMBER

Interim

Reporting Frequency: Monthly
 DMR Effective From: June 1, 2019
 DMR Effective To: Start-up of New or Upgraded Facilities
 Permit Expires: May 31, 2024
 Permit Application Due: December 3, 2023

Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE				
Flow	MEASUREMENT			XXX	XXX	XXX			
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	XXX	XXX	XXX		Continuous	Measured
pH	MEASUREMENT	XXX	XXX	XXX	XXX	XXX			
	PERMIT REQUIREMENT	XXX	XXX	6.0 Inst Min	XXX	9.0 IMAX	S.U.	1/day	Grab
DO	MEASUREMENT	XXX	XXX	XXX	XXX	XXX			
	PERMIT REQUIREMENT	XXX	XXX	5.0 Inst Min	XXX	XXX	mg/L	1/day	Grab
CBOD5	MEASUREMENT			XXX	XXX	XXX			
	PERMIT REQUIREMENT	18.0 Avg Mo	29.0 Wkly Avg	XXX	25.0 Avg Mo	40.0 Wkly Avg	mg/L	1/week	24-Hr Composite
BOD5 Raw Sewage Influent	MEASUREMENT			XXX	XXX	XXX			
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	XXX	Report Avg Mo	XXX	mg/L	1/week	24-Hr Composite
TSS Raw Sewage Influent	MEASUREMENT			XXX	XXX	XXX			
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	XXX	Report Avg Mo	XXX	mg/L	1/week	24-Hr Composite

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

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MONITORING PERIOD			
YEAR	MO	DAY	TO

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		VALUE	UNITS	VALUE	UNITS			
TSS	MEASUREMENT	22.0	lbs/day	XXX	XXX			
	PERMIT REQUIREMENT	33.0	Wkly Avg	30.0	45.0		1/week	24-Hr Composite
Fecal Coliform Oct 1 - Apr 30	MEASUREMENT	XXX	XXX	XXX	XXX			
	PERMIT REQUIREMENT	XXX	XXX	2000	10000		1/week	Grab
Fecal Coliform May 1 - Sep 30	MEASUREMENT	XXX	XXX	XXX	XXX			
	PERMIT REQUIREMENT	XXX	XXX	200	1000		1/week	Grab
UV Intensity	MEASUREMENT	XXX	XXX	XXX	XXX			
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	Report IMAX		Continuous	Recorded
Nitrate-Nitrite	MEASUREMENT	XXX	XXX	XXX	XXX			
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX		1/week	24-Hr Composite
Nitrate-Nitrite	MEASUREMENT	Report Total Mo	lbs	XXX	XXX			
	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX		1/month	Calculation

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

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YEAR	MO	DAY	TO	YEAR	MO	DAY

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		VALUE	UNITS	VALUE	UNITS				
Total Nitrogen	MEASUREMENT	XXX		XXX					
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		1/month	Calculation
	MEASUREMENT PERMIT REQUIREMENT	Report Total Mo	XXX	XXX	XXX			1/month	Calculation
Ammonia Nov 1 - Apr 30	MEASUREMENT PERMIT REQUIREMENT	Report Avg Mo	XXX	XXX	XXX	mg/L		1/week	24-Hr Composite
	MEASUREMENT PERMIT REQUIREMENT	6.9 Avg Mo	XXX	9.5 Avg Mo	XXX	mg/L		1/week	24-Hr Composite
	MEASUREMENT PERMIT REQUIREMENT	Report Total Mo	XXX	XXX	XXX			1/month	Calculation
Ammonia May 1 - Oct 31	MEASUREMENT PERMIT REQUIREMENT	XXX		XXX					
	MEASUREMENT PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		1/week	24-Hr Composite
	MEASUREMENT PERMIT REQUIREMENT	Report Total Mo	XXX	XXX	XXX			1/month	Calculation
TKN	MEASUREMENT PERMIT REQUIREMENT	XXX		XXX					
	MEASUREMENT PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	XXX	mg/L		1/week	24-Hr Composite
	MEASUREMENT PERMIT REQUIREMENT	Report Total Mo	XXX	XXX	XXX			1/month	Calculation

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

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YEAR	MO	DAY	TO	YEAR	MO	DAY

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		VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
TKN	SAMPLE MEASUREMENT REQUIREMENT	Report Total Mo	XXX	lbs	XXX	XXX	XXX		1/month	Calculation
	SAMPLE MEASUREMENT REQUIREMENT	Report Avg Mo	XXX	lbs/day	XXX	Report Avg Mo	XXX		1/week	24-Hr Composite
	SAMPLE MEASUREMENT REQUIREMENT	Report Total Mo	XXX	lbs	XXX	XXX	XXX		1/month	Calculation

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



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		VALUE	UNITS	VALUE	UNITS				
Flow	MEASUREMENT	XXX	XXX	XXX	XXX				
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	XXX	XXX	MGD		Continuous	Measured
pH	MEASUREMENT	XXX	XXX	6.0 Inst Min	9.0 IMAX				
	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX	S.U.		1/day	Grab
DO	MEASUREMENT	XXX	XXX	5.0 Inst Min	XXX				
	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX	mg/L		1/day	Grab
CBOD5	MEASUREMENT	36.0 Avg Mo	58.0 Wkly Avg	XXX	40.0 Wkly Avg				
	PERMIT REQUIREMENT	Avg Mo	Wkly Avg	XXX	XXX	mg/L		1/week	24-Hr Composite
BOD5 Raw Sewage Influent	MEASUREMENT	Report Avg Mo	Report Daily Max	XXX	XXX				
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	XXX	XXX	mg/L		1/week	24-Hr Composite
TSS Raw Sewage Influent	MEASUREMENT	Report Avg Mo	Report Daily Max	XXX	XXX				
	PERMIT REQUIREMENT	Report Avg Mo	Report Daily Max	XXX	XXX	mg/L		1/week	24-Hr Composite
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		DATE			
TYPED OR PRINTED				AREA CODE		NUMBER		YEAR MO DAY	
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")									

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	VALUE	UNITS	VALUE	UNITS			
TSS	SAMPLE MEASUREMENT	43.0	XXX	XXX			
	PERMIT REQUIREMENT	Avg Mo	65.0	30.0		1/week	24-Hr Composite
Fecal Coliform Oct 1 - Apr 30	SAMPLE MEASUREMENT	XXX	XXX	45.0			
	PERMIT REQUIREMENT	XXX	lbs/day	Wkly Avg			
Fecal Coliform May 1 - Sep 30	SAMPLE MEASUREMENT	XXX	XXX	10000			
	PERMIT REQUIREMENT	XXX	XXX	Geo Mean		1/week	Grab
UV Intensity	SAMPLE MEASUREMENT	XXX	XXX	1000			
	PERMIT REQUIREMENT	XXX	XXX	Geo Mean		1/week	Grab
Nitrate-Nitrite	SAMPLE MEASUREMENT	XXX	XXX	Report Avg Mo		Continuous	Recorded
	PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo			
Nitrate-Nitrite	SAMPLE MEASUREMENT	XXX	XXX	XXX			
	PERMIT REQUIREMENT	Report Total Mo	XXX	XXX		2/week	24-Hr Composite
		XXX	lbs	XXX		1/month	Calculation

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
TYPED OR PRINTED	AREA CODE	YEAR
COMMENTS (Report all violations on the "Non-Compliance Reporting Form")	NUMBER	MO
	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. 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 understand that anyone who furnishes false or misleading information on this report or who omits material or information requested on the report may be subject to criminal sanctions (including fines and imprisonment) and/or civil penalties for submitting false information, including the penalty for perjury and impairment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

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 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF CLEAN WATER
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		VALUE	UNITS	VALUE	UNITS			
Total Nitrogen	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX			
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	mg/L		1/month	Calculation
Total Nitrogen	PERMIT REQUIREMENT	Report Total Mo	lbs	XXX	XXX			
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX	lbs	XXX	XXX		1/month	Calculation
Ammonia Nov 1 - Apr 30	PERMIT REQUIREMENT	Report Avg Mo	lbs/day	XXX	XXX			
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX	lbs/day	Report Avg Mo	mg/L		2/week	24-Hr Composite
Ammonia May 1 - Oct 31	PERMIT REQUIREMENT	12.4 Avg Mo	lbs/day	XXX	XXX			
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX	lbs/day	8.5 Avg Mo	mg/L		2/week	24-Hr Composite
Ammonia	PERMIT REQUIREMENT	Report Total Mo	lbs	XXX	XXX			
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX	lbs	XXX	XXX		1/month	Calculation
TKN	PERMIT REQUIREMENT	XXX	XXX	XXX	XXX			
	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX	XXX	Report Avg Mo	mg/L		2/week	24-Hr Composite

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

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF CLEAN WATER
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME York Water Co.
 ADDRESS 130 E Market Street
York, PA 17401-1219
 FACILITY East Prospect STP
 LOCATION Lower Windsor Township
York County
 WATERSHED 7-I

PA0084565
 PERMIT NUMBER

001
 OUTFALL NUMBER

Final

Reporting Frequency: Monthly
 DMR Effective From: Startup of New or Upgraded Facilities
 DMR Effective To: May 31, 2024
 Permit Expires: May 31, 2024
 Permit Application Due: December 3, 2023
 ___ Check Here if No Discharge

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

NOTE: Read instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
TKN	PERMIT REQUIREMENT	Report Total Mo	XXX	XXX	XXX	XXX	XXX			
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT	Report Avg Mo	XXX	lbs	XXX	XXX	XXX		1/month	Calculation
Total Phosphorus	PERMIT REQUIREMENT	Report Total Mo	XXX	lbs/day	XXX	XXX	XXX			
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT	Report Avg Mo	XXX		XXX	XXX	XXX		2/week	24-Hr Composite
Total Phosphorus	PERMIT REQUIREMENT	Report Total Mo	XXX	lbs	XXX	XXX	XXX			
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT	Report Avg Mo	XXX		XXX	XXX	XXX		1/month	Calculation

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

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF CLEAN WATER
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME York Water Co.
 ADDRESS 130 E Market Street
York, PA 17401-1219
 FACILITY East Prospect STP
 LOCATION Lower Windsor Township
York County
 WATERSHED 7-I

PA0084565
 PERMIT NUMBER

001
 OUTFALL NUMBER

Interim

Reporting Frequency: Annually
 DMR Effective From: June 1, 2019
Startup of New or Upgraded Facilities
 DMR Effective To: May 31, 2024
 Permit Expires: December 3, 2023
 Permit Application Due: _____
 Check Here if No Discharge

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY

NOTE: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS			
Total Nitrogen (Total Load, lbs)		XXX		XXX					
	Report Total Annual		lbs	XXX		XXX		1/year	Calculation
Ammonia-Nitrogen (Total Load, lbs)		XXX		XXX					
	Report Total Annual		lbs	XXX		XXX		1/year	Calculation
Total Phosphorus (Total Load, lbs)		XXX		XXX					
	Report Total Annual		lbs	XXX		XXX		1/year	Calculation

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE		DATE
TYPED OR PRINTED	AREA CODE	NUMBER	YEAR MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			
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 the reliability of the data and the accuracy of the information submitted. Based on my knowledge and belief, the information submitted is true, accurate and complete. I am aware that there are civil and criminal penalties for submitting false information, including the possibility of imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

COMMONWEALTH OF PENNSYLVANIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 BUREAU OF CLEAN WATER
 NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

PERMITTEE NAME/ADDRESS

NAME York Water Co.
 ADDRESS 130 E Market Street
 York, PA 17401-1219
 FACILITY East Prospect STP
 LOCATION Lower Windsor Township
 York County
 WATERSHED 7-I

PA0084565
 PERMIT NUMBER

001
 OUTFALL NUMBER

Final

Reporting Frequency: Annually
 Startup of New or Upgraded Facilities
 DMR Effective From: May 31, 2024
 DMR Effective To: May 31, 2024
 Permit Expires: December 3, 2023
 Permit Application Due: December 3, 2023

Check Here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	VALUE			
Total Nitrogen (Total Load, lbs)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX							
		5859	Total Annual	XXX	XXX	XXX		1/year	Calculation
Ammonia-Nitrogen (Total Load, lbs)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX							
		Report	Total Annual	XXX	XXX	XXX		1/year	Calculation
Total Phosphorus (Total Load, lbs)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	XXX							
		974	Total Annual	XXX	XXX	XXX		1/year	Calculation

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	TELEPHONE	DATE
TYPED OR PRINTED	AREA CODE NUMBER	YEAR MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
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, on my inquiry of the person or persons who manage the system, or those immediately 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 penalties or imprisonment for submitting false information, including the possibility of fines and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).



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.pa.gov/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-BCW0462 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-BCW0462 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-BCW0440) 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.

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-BCW0435)
<input checked="" type="checkbox"/>	Influent & Process Control (3800-FM-BCW0436)
<input checked="" type="checkbox"/>	Hauled in Municipal Wastes (3800-FM-BCW0437)
<input checked="" type="checkbox"/>	Sewage Sludge/Biosolids Production and Disposal (3800-FM-BCW0438)
<input type="checkbox"/>	Chemical Additives Usage (3800-FM-BCW0439)
<input checked="" type="checkbox"/>	Non-Compliance Reporting Form (3800-FM-BCW0440)
<input type="checkbox"/>	CSO Monthly Summary Report (3800-FM-BCW0441)
<input type="checkbox"/>	CSO Detailed Report (3800-FM-BCW0442)
<input type="checkbox"/>	Groundwater Monitoring Data Report (3800-FM-BCW0443)
<input type="checkbox"/>	TMDL Annual Load Summary (3800-FM-BCW0448)
<input type="checkbox"/>	Land Application Systems (3800-FM-BCW0449)
<input type="checkbox"/>	Hauled in Residual Wastes (3800-FM-BCW0450)
<input type="checkbox"/>	Surface Water Monitoring Data Report (3800-FM-BCW0461)
<input checked="" type="checkbox"/>	Lab Accreditation Form (3800-FM-BCW0189)
<input type="checkbox"/>	Whole Effluent Toxicity Test Summary Report (3800-FM-BCW0485)
<input type="checkbox"/>	Storm Water Annual Report
<input type="checkbox"/>	Other: 



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

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: East Prospect STP Month: _____ Year: _____
 Municipality: Lower Windsor Township County: York NPDES Permit No.: PA0084565 Outfall No.: 001
 Watershed: 7-1 Renewal application due **180 days** prior to expiration
 Laboratories: _____ This permit will expire on MAY 31 2024

Day	Flow		pH		DO		CBOD5		TSS		Fecal Coliform		UV Intensity		Ammonia		Total Phosphorus		
	Q	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	No./100 ml	Q	mW/cm ²	Q	mg/L	Q	mg/L	
1																			
2																			
3																			
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30																			
31																			
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 – INFLUENT & PROCESS CONTROL

Facility Name: East Prospect STP Month: _____ Year: _____
 Municipality: Lower Windsor Township County: York NPDES Permit No.: PA0084565
 Watershed: 7-I Renewal application due **180 days** prior to expiration

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								
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25								
26								
27								
28								
29								
30								
31								
Avg								
Max								

This permit will expire on MAY 31, 2024

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 – HAULED IN MUNICIPAL WASTES

Facility Name: East Prospect STP Month: _____ Year: _____
 Municipality: Lower Windsor Township County: York
 Watershed: 7-I
 NPDES Permit No.: PA0084565
 Renewal application due **180 days** prior to expiration
 This permit will expire on **MAY 31, 2024**

Day	SEPTAGE			SLUDGE			OTHER (specify):			DAILY TOTALS	
	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (mg/l)	BOD ₅ (lbs)	Gallons	BOD ₅ (lbs)
1											
2											
3											
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30											
31											
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: East Prospect STP Month: _____ Year: _____
Municipality: Lower Windsor Township County: York Permit No.: PA0084565

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: _____

Application Type Renewal
Facility Type Sewage
Major / Minor Minor

**NPDES PERMIT FACT SHEET
ADDENDUM**

Application No. PA0084565
APS ID 829648
Authorization ID 1215066

Applicant and Facility Information

Applicant Name	<u>York Water Co.</u>	Facility Name	<u>East Prospect STP</u>
Applicant Address	<u>130 E Market Street</u> <u>York, PA 17401-1219</u>	Facility Address	<u>South Main Street</u> <u>East Prospect, PA 17317</u>
Applicant Contact	<u>Mark Snyder</u>	Facility Contact	<u>Mark Snyder</u>
Applicant Phone	<u>(717) 718-2977</u>	Facility Phone	<u>(717) 718-2977</u>
Client ID	<u>69800</u>	Site ID	<u>271342</u>
SIC Code	<u>4952</u>	Municipality	<u>Lower Windsor Township</u>
SIC Description	<u>Trans. & Utilities - Sewerage Systems</u>	County	<u>York</u>
Date Published in PA Bulletin	<u>4/08/2019</u>	EPA Waived?	<u>Yes</u>
Comment Period End Date	<u>5/08/2019</u>	If No, Reason	<u></u>





Purpose of Application Application for a renewal of an NPDES permit for discharge of treated Sewage

Internal Review and Recommendations

The NPDES draft permit was mailed on March 28, 2019. The permit was published in the PA Bulletin on April 8, 2019 for public comment; no comments were received during the 30-day comment period.

No change has been made in the draft permits and the final permits are identical to the draft permit.

Issuance of this permit is recommended.

Approve	Return	Deny	Signatures	Date
x			Aaron Baar / Permits Section 	May 13, 2019
			Daniel W. Martin, P.E. / Environmental Engineer Manager 	5/23/19
✓			Maria D. Bebenek, P.E. / Program Manager 	5/29/19

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-13 Please provide copies of the DEP-approved Water Quality Management (WQM) Permits for the Margareta System along with copies of the associated DEP approval letters, including WQM Permit No. 6774422 issued June 4, 1975.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

Attached hereto as **Attachment A-13-1** are copies of the requested WQM Permit and 1975 approval letter. These are the best versions of the WQM Permit and 1975 approval letter that York Water can find, including in PA DEP's files, on microfiche, and in the seller's possession.

736572

6774422

STATE PERMIT APPLICATION FORM

<p>Lester Searer R. D. #12, Hallam Branch York, Pennsylvania 17406</p>	<p>Lower Windsor Township York</p>
<p>C. TYPE OF FACILITY OR ESTABLISHMENT Sewage Treatment Plant</p>	<p>D. NAME OF MINE OPERATION OR AREA SERVED Margaretta Mobile Home Park</p>

<p>E. THE PERMIT APPROVES</p> <p>1. Plans For Construction of</p> <p>a. <input type="checkbox"/> PUMP STATIONS, LINES AND APPURTENANCES</p> <p>b. <input checked="" type="checkbox"/> SEWAGE TREATMENT FACILITIES</p> <p>c. <input type="checkbox"/> MINE TREATMENT FACILITIES</p> <p>d. <input type="checkbox"/> INDUSTRIAL WASTE TREATMENT FACILITIES</p> <p>e. <input checked="" type="checkbox"/> DITCHES & HEADWALLS</p> <p>f. <input type="checkbox"/> STREAM CROSSING</p>	<p>2. The Discharge of</p> <p>a. <input checked="" type="checkbox"/> TREATED</p> <p>b. <input type="checkbox"/> UNTREATED</p> <p>c. <input type="checkbox"/> INDUSTRIAL WASTE</p> <p>d. <input type="checkbox"/> MINE DRAINAGE</p> <p>e. <input checked="" type="checkbox"/> SEWAGE</p> <p>3. Nature of Discharge or Impoundment:</p> <p><input checked="" type="checkbox"/> DISCHARGE TO SURFACE WATER <input type="checkbox"/> DISCHARGE TO GROUND WATER</p> <p><input type="checkbox"/> IMPROVEMENT</p> <p>Cabin Creek on the Susquehanna River (Name of Stream to which discharge or discharge basin on which impoundment is located)</p> <p>Basin</p>	<p>3. The Operation of</p> <p><input type="checkbox"/> MINE MAXIMUM AREA TO BE DREDGED</p> <p><input type="checkbox"/> DAM</p> <p>4. An Erosion and Sedimentation Control Plan <input checked="" type="checkbox"/></p> <p>PROJECT AREA IS 1 ACRES</p>
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F. You are hereby authorized to construct, operate or discharge, as indicated above, provided that you comply with the following:

- All representation regarding operations, construction, maintenance and closing procedures as well as all other matters set forth in your application and its supporting documents (Application No. 6774422 dated November 14, 1974), and amendments dated April 16, 1975. Such application, its supporting documents and amendments are hereby made a part of this permit.
- Conditions numbered 1, 2, 6, 9 thru 23, 26, 29, 30, 31, 32 and 33 of the Sewerage Standard Conditions dated May-1973 which conditions are attached hereto and are made a part of this permit.
- Special conditions designated A, B and C which are attached hereto and are made a part of this permit.

G. This permit is subject to the following further qualifications:

- It is a condition of this permit that the application or its supporting documents and amendments and the standard or special conditions, the standard or special conditions, shall apply.
- The permit shall comply with the Rules and Regulations of the Department or the terms or conditions of this permit shall apply.
- The permit shall be subject to the Clean Water Law, the Act of June 22, 1937, P.L. 1017 as amended and/or the Act of June 25, 1913, P.L. 1017 as amended.

PERMIT DATED
June 4, 1975

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Terry R. Fabian
Regional Water Quality Manager

ER710 046 1

DATE RECEIVED
11/07/74
DATE RECEIVED

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
WATER QUALITY MANAGEMENT

WATER POLLUTION CONTROL
MODULE 1 - GENERAL INFORMATION
SEWERAGE

For Department Use Only
736803

CLASS OF CONSTRUCTION
(Check all applicable blocks) NEW REPLACEMENT OF EXISTING UNITS) ADDITIONS AND/OR MODIFICATIONS TO EXISTING UNITS)

TABLE I - DESIGN LOADING DATA		Existing Facilities Design	Present Operating Load	Proposed Total Facilities Design
1. EQUIVALENT POPULATION TO BE SERVED (NO. OF PERSONS - SUBMIT CALCULATIONS)				
A. DOMESTIC				252
B. INDUSTRIAL				0
C. TOTAL				252
2. DESIGN YEAR OR PERIOD FOR OPERATING DATA				Ultimate
3. RUNOFF PERIOD (HRS)				16
4. DOMESTIC WASTE FLOW DATA	A. PER CAPITA FLOW (GPCD)			70
	B. AVERAGE DAILY FLOW (MGD)			.018
	C. INFILTRATION (MGD)			Including 4A
	D. RUNOFF FLOW RATE (MGD)			.027
	E. MAXIMUM FLOW RATE (MGD)			.081
5. INDUSTRIAL WASTE FLOW DATA	A. AVERAGE DAILY FLOW (MGD)			0
	B. MAXIMUM DAILY FLOW (MGD)			0
5. TOTAL DESIGN AVERAGE FLOW (MGD)				8

TABLE II - FACILITIES DESIGN DATA (Specify number of units)

Units	Existing	To Be Abandoned	Total Proposed	Units	Existing	To Be Abandoned	Total Proposed
1. SCREENING DEVICES			1	13. CHLORINE CONTACT TANK(S)			1
2. GRIT CHAMBER(S)				14. DISINFECTION FACILITIES			1
3. COMMINUTOR(S)				15. SEPARATE SLUDGE DIGESTORS			
4. PRE-AERATION TANKS				16. SLUDGE DRYING BEDS			
5. PRIMARY SETTLING TANKS				17. MECHANICAL SLUDGE DEWATERING			
6. IMHOFF TANK(S)				18. SLUDGE ELUTRIATION TANKS			
7. TRICKLING FILTERS				19. SLUDGE STABILIZATION TANKS			
8. INTERMEDIATE SETTLING TANKS				20. INCINERATOR(S)			
9. AERATION TANKS				21. MIXING AND FLOCCULATION TANKS			
10. FINAL SETTLING TANKS			1	22. OTHER (Specify) Sludge Holding Tank			1
11. INTERMITTENT SAND FILTERS				23. OTHER (Specify)			
12. WASTE STABILIZATION PONDS(S)				24. OTHER (Specify)			

EP 710 046 4

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL RESOURCES
WATER QUALITY MANAGEMENT

WATER POLLUTION CONTROL

DATE PREPARED	1/16/74
DATE REVISED	

For Department Use Only

MODULE 4 - WASTE LOAD AND CHARACTERISTICS

736510

TABLE I - WASTE STATUS REPORT

TOTAL WASTE FLOW (MGD)		SOURCE OF WASTE	SOURCE OF WASTE	SOURCE OF WASTE	SOURCE OF WASTE
		<input type="checkbox"/> PRESENT <input checked="" type="checkbox"/> FUTURE	<input type="checkbox"/> PRESENT <input type="checkbox"/> FUTURE	<input type="checkbox"/> PRESENT <input type="checkbox"/> FUTURE	<input type="checkbox"/> PRESENT <input type="checkbox"/> FUTURE
1. TYPE OF WASTE		Domestic Sewage			
2. FLOW	A. MGD (AVERAGE)	.018			
	B. MGD (MAXIMUM)	.081			
3. WASTE DISCHARGE	A. TREATED SEPARATELY	.018			
	B. NOT TREATED	0			
	C. COMBINED AND TREATED	0			
SEQUENCE OF TREATMENT STEPS		<input checked="" type="checkbox"/> Bar Screen (by-pass)			
		<input checked="" type="checkbox"/> Comminutor			
		<input checked="" type="checkbox"/> Aeration			
		<input checked="" type="checkbox"/> Settling			
		<input checked="" type="checkbox"/> Sand Filters			
		<input checked="" type="checkbox"/> Chlorination			

A. GENERAL INFORMATION

1. WILL ALL LABORATORY ANALYSES BE IN ACCORDANCE WITH THE LATEST EDITION OF "STANDARD METHODS FOR THE EXAMINATION OF WATER AND WASTEWATER"? Yes No N/A
2. WILL THE TREATMENT PROCESS PRODUCE FOR EACH WASTE ABOVE A SATISFACTORY EFFLUENT THAT WILL HAVE NO ADVERSE EFFECT UPON THE RECEIVING STREAM OR ITS USES? Yes No N/A

ONLY SEWERAGE AND INDUSTRIAL WASTE APPLICANTS COMPLETE ITEM 3.

3. GIVE EXPECTED PERCENTAGE REDUCTION OF:
- A. BOD (5 DAY 20° CENTIGRADE) 90 %
- B. SUSPENDED SOLIDS 96 %
- C. SETTLEABLE SOLIDS (SEWAGE ONLY) 100 %

TABLE II - WASTE LOAD CHARACTERISTICS

Sample Or Data Location	WASTE: <u>I</u>		WASTE: _____		WASTE: _____					
	Influent		LOCATION: _____		LOCATION: _____					
	LOCATION: <u>Effluent</u>		LOCATION: _____		LOCATION: _____					
	<input type="checkbox"/> PRESENT	<input checked="" type="checkbox"/> FUTURE	<input type="checkbox"/> PRESENT	<input type="checkbox"/> FUTURE	<input type="checkbox"/> PRESENT	<input type="checkbox"/> FUTURE				
INDUSTRIAL WASTE APPLICANTS COMPLETE ALL APPLICABLE ITEMS.	Waste Load		Waste Load		Waste Load					
	Raw	Treated	Raw	Treated	Raw	Treated				
SEWAGE APPLICANTS COMPLETE ONLY ITEMS CODED "S."	<input checked="" type="checkbox"/> Actual Est.	<input checked="" type="checkbox"/> Actual Est.	<input type="checkbox"/> Actual Est.	<input type="checkbox"/> Actual Est.	<input type="checkbox"/> Actual Est.	<input type="checkbox"/> Actual Est.				
MINE DRAINAGE APPLICANTS COMPLETE ONLY ITEMS CODED "M."	<input type="checkbox"/> Actual Est.	<input type="checkbox"/> Actual Est.	<input type="checkbox"/> Actual Est.	<input type="checkbox"/> Actual Est.	<input type="checkbox"/> Actual Est.	<input type="checkbox"/> Actual Est.				
1. WASTE FLOW	Mgd	S M	.018	S M	.018	S M	S M	S M	S M	S M
2. COLOR										
3. TEMPERATURE	Deg.F									
4. pH		S M	7.2	S M	7.2	S M	S M	S M	S M	S M
5. ALKALINITY (Minus for Acid)	Mg/L	S M	90	S M	30	S M	S M	S M	S M	S M
6. SOLIDS - SUSPENDED	Mg/L	S M	500	S M	25	S M	S M	S M	S M	S M
7. SOLIDS-SUSPENDED	Lbs/Cap/Day	S	.30	S	.01	S	S	S	S	S
8. SOLIDS - SUSPENDED	Lbs/Day	S M	75	S M	3.8	S M	S M	S M	S M	S M
9. SOLIDS - SETTLEABLE	Ml/L	S M	1.5	S M	0	S M	S M	S M	S M	S M
10. SOLIDS - DISSOLVED	Mg/L	M		M		M	M	M	M	M
11. IRON - DISSOLVED	Mg/L	M		M		M	M	M	M	M
12. IRON (Total)	Mg/L	M		M		M	M	M	M	M
13. MANGANESE	Mg/L	M		M		M	M	M	M	M
14. ALUMINUM	Mg/L	M		M		M	M	M	M	M
15. BOD (5 Day 20° C)	Mg/L	S	300	S	30	S	S	S	S	S
16. BOD (5 Day 20° C)	Lbs/Cap/Day	S	.18	S	.02	S	S	S	S	S
17. BOD (5 Day 20° C)	Lbs/Day	S	45	S	4.5	S	S	S	S	S

A
1
3

Sample or Data Location - Continued	WASTE: _____		WASTE: _____		WASTE: _____		
	LOCATION: <u>Influent</u>		LOCATION: _____		LOCATION: _____		
	<input type="checkbox"/> PRESENT <input checked="" type="checkbox"/> FUTURE		<input type="checkbox"/> PRESENT <input type="checkbox"/> FUTURE		<input type="checkbox"/> PRESENT <input type="checkbox"/> FUTURE		
	INDUSTRIAL WASTE APPLICANTS COMPLETE ALL APPLICABLE ITEMS.		SEWAGE APPLICANTS COMPLETE ONLY ITEMS CODED "S."		MINE DRAINAGE APPLICANTS COMPLETE ONLY ITEMS CODED "M."		
		Waste Load		Waste Load		Waste Load	
		Raw	Treated	Raw	Treated	Raw	Treated
		<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Est.	<input type="checkbox"/> Actual <input checked="" type="checkbox"/> Est.	<input type="checkbox"/> Actual <input type="checkbox"/> Est.	<input type="checkbox"/> Actual <input type="checkbox"/> Est.	<input type="checkbox"/> Actual <input type="checkbox"/> Est.	<input type="checkbox"/> Actual <input type="checkbox"/> Est.
18. DISSOLVED OXYGEN	Mg/L		S 5.0		S		S
19. TURBIDITY	Units		S-M 10		S-M		S-M
20. NITROGEN - AMMONIA	Mg/L	S 25	S 1.0	S	S	S	S
21. NITROGEN - NITRITE	Mg/L	-	S Nil		S		S
22. NITROGEN - NITRATE	Mg/L	-	S 10.0	S	S	S	S
23. PHOSPHATE (TOTAL SOLUBLE PO ₄)	Mg/L	S 30	S 6	S	S	S	S
24. SULFATE	Mg/L	M	M	M	M	M	M
25. OIL	Mg/L						
OTHER (Specify)	(Give Units)						
Total Phosphorous (as P)	Mg/l	10	2				

B. DESCRIPTION OF SAMPLING PROCEDURE

1. FOR EACH WASTE LOAD ON TABLE II, DESCRIBE BELOW THE METHOD AND DATE(S) OF SAMPLING.

Typical waste load characteristics have been used

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-14 Please provide a copy of the most recent Chapter 94 Municipal Wasteload Management Report (Chapter 94 Report) submitted to DEP for the Margareta MHP, if applicable.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

Margareta MHP is not required to prepare and submit a Chapter 94 Report, as it is a private (non-municipal) system.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-15 Please provide a copy of York Water-WW's Chapter 94 Report submitted to DEP for the Lower Windsor WWTP.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

The requested most recent Chapter 94 Municipal Wasteload Management Report for 2023 is attached hereto as **Attachment A-15-1**.



CHAPTER 94 MUNICIPAL WASTELOAD MANAGEMENT ANNUAL REPORT

For Calendar Year: **2023**

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

GENERAL INFORMATION

Permittee Name:	The York Water Company	Permit No.: NPDES	PA0084565
Mailing Address:	130 East Market St.	Effective Date:	June 1, 2019
City, State, Zip:	York PA 17401	Expiration Date:	May 31, 2024
Contact Person:	Matthew Scarpato	Renewal Due Date:	November 30, 2023
Title:	Chief Operating Officer	Municipality:	Lower Windsor Twp.
Phone:	717-845-3601	County:	York
Email:	matts@yorkwater.com	Consultant Name:	n/a

CHAPTER 94 REPORT COMPONENTS

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

Check the appropriate boxes:
 - Line graph for flows attached (**Attachment 2**)
 - DEP Chapter 94 Spreadsheet used (**Attachment 1**)
 - Section 1 is not applicable (report is for a collection system).
- Attach to this report a line graph depicting the monthly average organic loads (express as lbs BOD5/day) for each month for the past 5 years and projecting the organic loads for the next 5 years. The graph must also include a line depicting the organic design capacity of the treatment plant per the WQM permit. (25 Pa. Code § 94.12(a)(2))

Check the appropriate boxes:
 - Line graph for organic loads attached (**Attachment 3**)
 - DEP Chapter 94 Spreadsheet used (**Attachment 1**)
 - Section 2 is not applicable (report is for a collection system).
- If the DEP Chapter 94 Spreadsheet was not used to determine projections, discuss the basis for the hydraulic and organic projections. In all cases, include a description of the time needed to expand the plant to meet the load projections, if necessary, and data used to support the projections should be included in an appendix to this report. (25 Pa. Code § 94.12(a)(3))

DEP Spreadsheet was used.

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

Check the appropriate boxes:

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

Comments:

No sewer extensions were constructed or planned in 2023.

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

The collection system utilizes three pump stations (2 submersible, 1 suction-lift) to pump and convey approximately 49% of the system flow to the remaining gravity sewer system. Each pump station is equipped with an emergency generator for emergency power. Each station is equipped with auto-dialers to provide notification of alarm conditions. The pump stations and WWTP are supported by SCADA for monitoring and trend analysis. Each station, and generator, are checked, serviced, and tested weekly for operation and readiness. The pump station wet wells are pumped and cleaned monthly to remove grease, rags, and debris by a sanitary septic hauling service.

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

Check the appropriate boxes:

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

Comments:

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

Check the appropriate boxes:

- The collection system does not contain pump stations
- The collection system does contain pump stations (Number – 3)
- Discussion of condition of each pump station attached (**Attachment 4**)

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

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

Check the appropriate boxes:

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

9. Existing or Projected Overload.

Check the appropriate boxes:

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

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

Corrective Action Plan attached (**Attachment**)

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

Sewage Sludge Management Inventory attached (**Attachment 5**)

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

Annual CSO Report attached (**Attachment**)

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


Flow calibration report attached (**Attachment 6**)

RESPONSIBLE OFFICIAL CERTIFICATION

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

Matthew Scarpato

Name of Responsible Official



Signature

717-845-3601

Telephone No.


2/29/2024

Date

PREPARER CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared by me or otherwise under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. The information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowledge of violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

John M. Longstreet



Signature

Name of Preparer

2/29/2024

717-845-3601

Date

Telephone No.

Facility Name:

Permit No.:

Persons/EDU:

Existing Hydraulic Design Capacity: MGD
 Upgrade Planned in Next 5 Years? Year:
 Future Hydraulic Design Capacity: MGD

Existing Organic Design Capacity: lbs BOD5/day
 Upgrade Planned in Next 5 Years? Year:
 Future Organic Design Capacity: lbs BOD5/day

Monthly Average Flows for Past Five Years (MGD)

Month	2019	2020	2021	2022	2023
January	0.052	0.056	0.052	0.052	0.054
February	0.05	0.058	0.05	0.053	0.056
March	0.057	0.062	0.053	0.056	0.056
April	0.053	0.062	0.054	0.057	0.057
May	0.054	0.057	0.054	0.057	0.058
June	0.051	0.059	0.059	0.048	0.054
July	0.055	0.059	0.057	0.049	0.055
August	0.055	0.059	0.063	0.052	0.056
September	0.055	0.058	0.069	0.053	0.056
October	0.059	0.059	0.067	0.056	0.053
November	0.052	0.057	0.059	0.056	0.051
December	0.054	0.056	0.055	0.06	0.057

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

Month	2019	2020	2021	2022	2023
January	122	182	153	156	156
February	154	165	159	181	141
March	175	193	156	142	138
April	117	187	119	144	215
May	149	207	151	158	162
June	157	171	157	154	154
July	149	166	137	160	184
August	140	163	164	125	157
September	137	166	140	167	130
October	195	150	137	176	165
November	162	160	161	159	172
December	149	154	157	167	167

Annual Avg	0.054	0.059	0.058	0.054	0.055
Max 3-Mo Avg	0.056	0.061	0.066	0.057	0.057
Max : Avg Ratio	1.04	1.03	1.14	1.06	1.04
Existing EDUs	435.0	436.0	438.0	445.0	447.0
Flow/EDU (GPD)	124.1	135.3	132.4	121.3	123.0
Flow/Capita (GPD)	35.5	38.7	37.8	34.7	35.2
Exist. Overload?	NO	NO	NO	NO	NO

Annual Avg	151	172	149	157	162
Max Mo Avg	195	207	164	181	215
Max : Avg Ratio	1.30	1.20	1.10	1.15	1.33
Existing EDUs	435	436	438	445	447
Load/EDU	0.346	0.394	0.341	0.354	0.362
Load/Capita	0.099	0.113	0.097	0.101	0.103
Exist. Overload?	NO	NO	NO	NO	NO

Projected Flows for Next Five Years (MGD)

	2024	2025	2026	2027	2028
New EDUs	20.0	20.0	20.0	20.0	20.0
New EDU Flow	0.0025	0.0025	0.0025	0.0025	0.0025
Proj. Annual Avg	0.059	0.0615	0.064	0.0665	0.069
Proj. Max 3-Mo Avg	0.063	0.065	0.068	0.071	0.073
Proj. Overload?	NO	NO	NO	NO	NO

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

	2024	2025	2026	2027	2028
New EDUs	20	20	20	20	20
New EDU Load	7.186	7.186	7.186	7.186	7.186
Proj. Annual Avg	165	173	180	187	194
Proj. Max Avg	201	210	219	227	236
Proj. Overload?	NO	NO	NO	NO	NO

Show Precipitation Data on Hydraulic Graph?

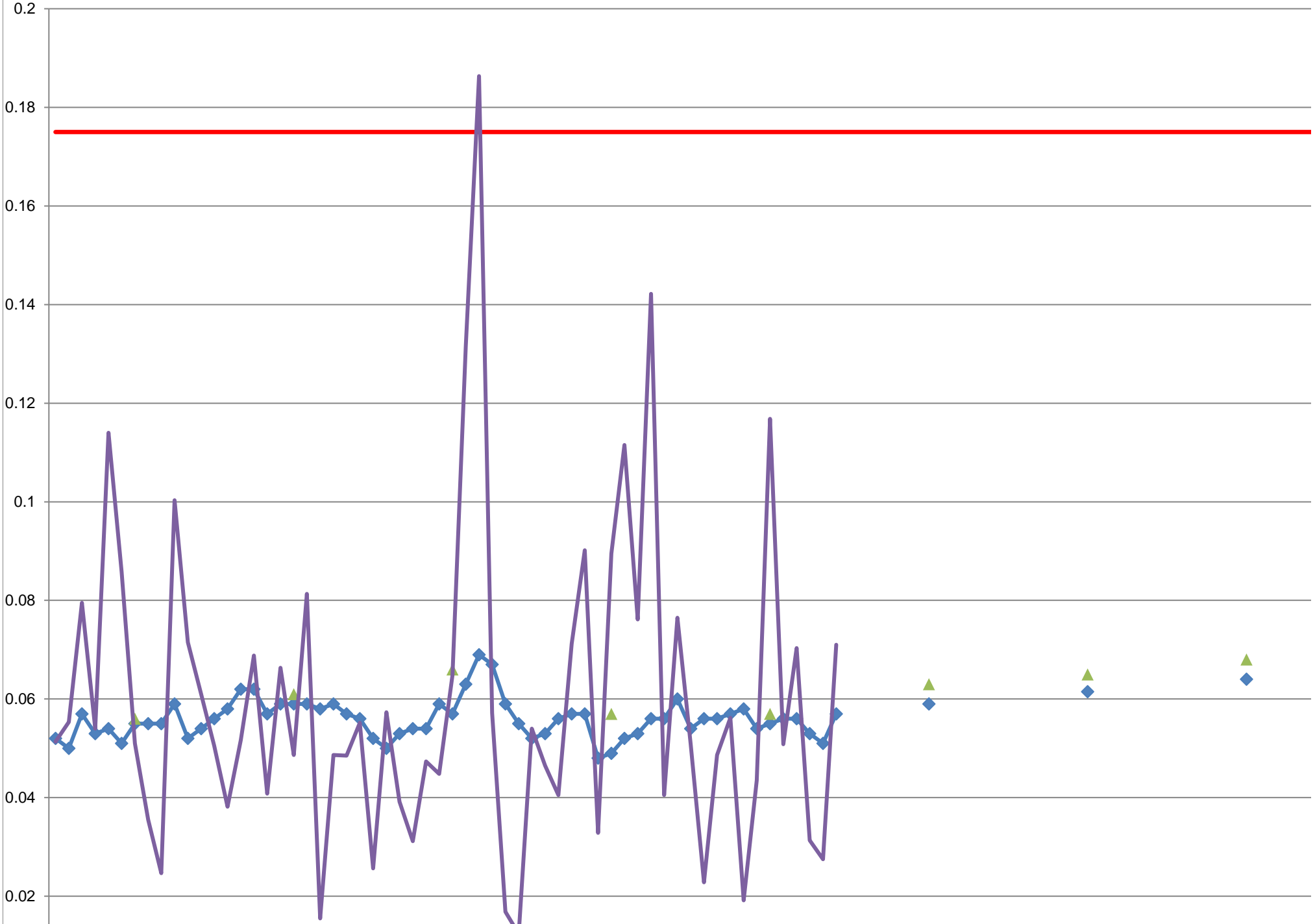
Total Monthly Precipitation for Past Five Years (Inches)

Month	2019	2020	2021	2022	2023
January	3.08	3.03	1.54	3.24	3.05
February	3.32	2.29	3.44	2.79	1.37
March	4.77	3.1	2.35	2.43	2.92
April	3.24	4.13	1.87	4.27	3.37
May	6.84	2.45	2.84	5.41	1.15
June	5.15	3.98	2.69	1.97	2.61
July	3.06	2.92	3.89	5.37	7.01
August	2.13	4.88	7.89	6.69	3.05
September	1.48	0.93	11.18	4.57	4.22
October	6.02	2.92	3.43	8.53	1.88
November	4.29	2.91	1.01	2.43	1.65
December	3.66	3.31	0.74	4.59	4.26

5-Year Measured and Projected Hydraulic Loads

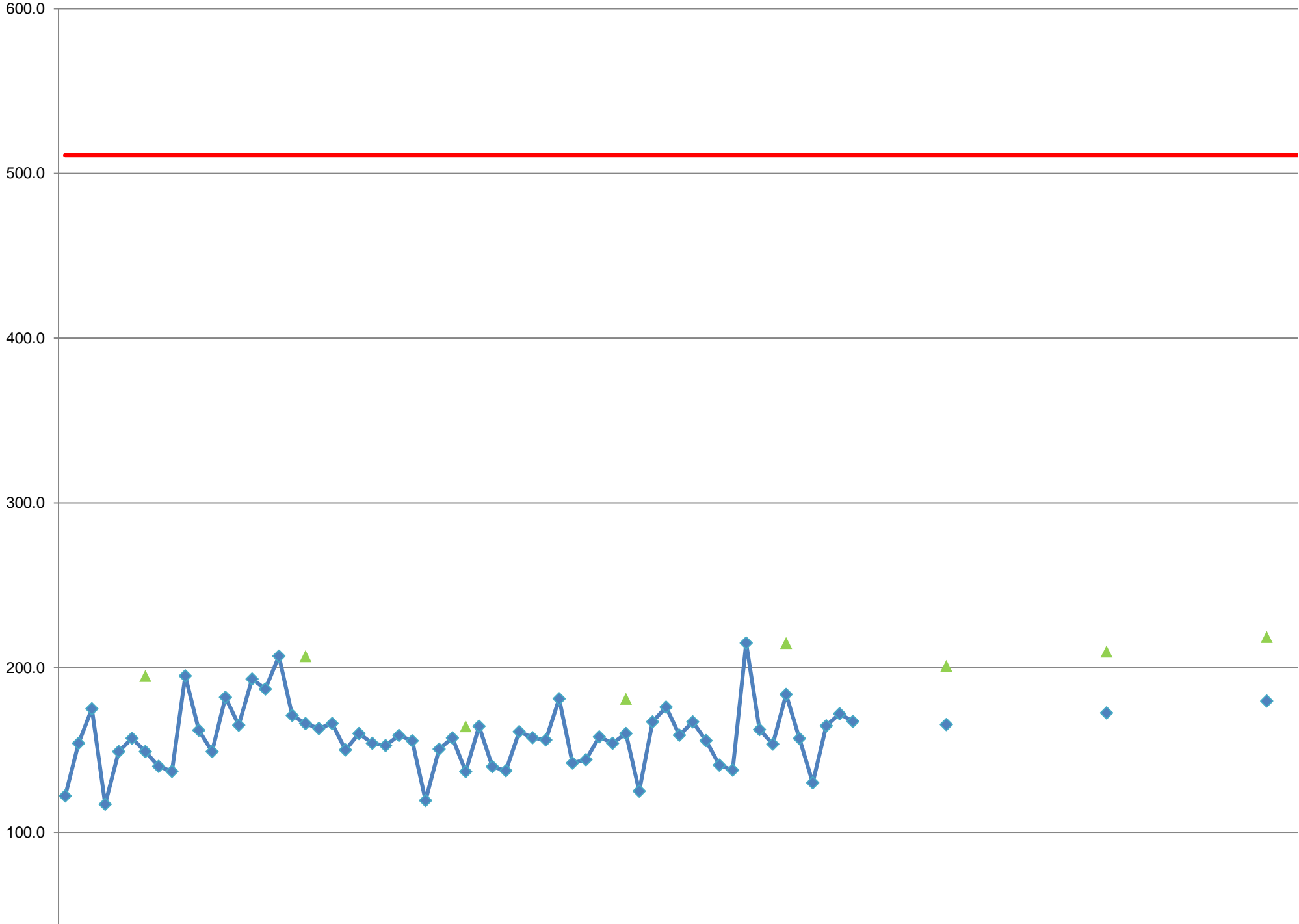
East Prospect STP, PA0084565

MGD



5-Year Measured and Projected Organic Loads

East Prospect STP, PA0084565





East Prospect Pump Stations - 2023

The collection system includes three (3) sewage pumping stations. All pump stations are in good working condition.

On a weekly basis all lift stations are inspected and manually tested, and monthly - all lift station wet wells are cleaned of grease and visually inspected.

The capacity, estimated current usage, and 2-year projected flow for each pumping station are as follows:

Pump Station	Design Capacity GPM	Pump Draw Results 11/9/2021 GPM	2023 Maximum Flow GPD	2 Year Projected Maximum Flow (10% increase) GPD
South Main Street	80	81	19,440	21,384
East Maple Street	80	68	13,406	14,746
Hedgewick Lane	80	137	10,412	11,453

SLUDGE GENERATION CALCULATION

Facility Name: **East Prospect STP**

Permit Number: **PA 0084565**

Date of Calculation: **#####**

Required Information For Calculation

Average Daily Flow (mgd): **0.0547** Digester Capacity (gal): **25000**
Influent BOD (mg/l): **366** %Solids of Outgoing Sludge: **0.75**
Effluent BOD (mg/l): **2** Monitoring Period (days): **365**

Wastewater Treatment Processes

Place an "X" in the box beside the corresponding treatment process. Select a maximum of Primary Clarification and one other treatment process.

Primary Clarification Contact Stabilization RBC
Conventional Activated Sludge SBR ABF
Extended Aeration Trickling Filter Small Plant with low SOR
(<500 gpd/sq ft)

Operational Information

BOD Removed (lbs/day): **166** TSS Removed (lbs/day): **108**

Digester Information

Type of Digester

Place an "X" in the box beside the corresponding treatment process.

Aerobic Digestion Anaerobic Digestion None

Sludge Feed Rate to Digesters (gpd): **1725.6027**
Digester Hydraulic Detention Time (days): **14**
Estimated Total Solids Reduction (%): **0**

Sludge Generation

dry lbs/day **108** wet lbs/day **14392**
dry tons/monitoring period **20** wet tons/monitoring period **2626**
gal/day **1726** gal/monitoring period **629845**

Amount of Sludge Reported as Being Generated by the Facility

wet tons/monitoring period

OR

dry tons/monitoring period **14.66**

Enter only one of the above values. The remaining value should be "0".

Is the amount reported by the generator within 15% of the calculated value? **NO**

NO explanation: **LESS THAN 15% RANGE**

What type of information was used to calculate the above information: **Hach WIMS summary of EP operational data**

Dates used: **1/1/2023** TO **#####**

Name of person performing the calculation: **John Longstreet**



Control Systems 21

"Your Process Control Specialists"

CERTIFICATE of CALIBRATION

Cal Certificate # 79166

Company Name York Water - East Prospect WWTP
PO Box 334, 28 W Maple St.
East Prospect, PA 17317

Instrument ID EP-01

Description Effluent Flow
Manufacturer Siemens
Model Number HydroRanger 200
Serial Number PBD/XD180072
Location N/A
Building Control Building
Department N/A

Status Active
Temp °F 70
Cal Proc 4.8
Adjusted To Improve No
Calibration Frequency Annual
Calibrated 12/13/2023
Next Due Date 12/31/2024

Calibration Specifications

Group Name Flow Meter (60° Extra Large Trap)

Test Point	Ref Standard	Tol	UUT As Found	P/F	UUT As Left	P/F	Dev
1	0.00 GPM	+/-5.00	0.00 GPM	P	0.00 GPM	P	0.00
2	56.70 GPM	+/-5.00	52.20 GPM	P	52.20 GPM	P	-4.50

Calibration Standards Used

Test Instrument ID	Manufacturer	Model Number	Serial Number	Next Cal Date
ISCO	Isco Flow Book	N/A	N/A	
TAPE MEASURE	N/A	N/A	N/A	

Equipment listed on this cert is certified in reference to our current work instructions as part of our quality system.

Where applicable and noted calibrations were performed using standards whose calibration is traceable through NIST or another National Metrology Institute to the International System of Units (SI units).

Control Systems 21 utilizes the comparison method of calibration. Results are reviewed, when applicable, and any results exceeding the agreed upon specifications are indicated by red and/or bold print

All results with this certification relate only to the item(s) calibrated. This certificate shall not be reproduced except in full and with written consent of Control Systems 21. Unless otherwise noted all calibrations were performed in the field at the customers location.

Please note: any number of factors may cause the calibration item to drift out of tolerance before the calibration interval has expired.

Remarks or Special Requirements:

Calibration Result: Calibration Successful

Calibrated By: Jon Wirth

Finalized By: Jon Wirth 13 December 2023 4:03:58PM

Print Date: 12/13/2023

Page 1 of 1

Control Systems 21

713 Range End Rd. • Dillsburg, PA 17019 • Voice: 717 432-5511 • Fax: 717 432-7550
email@controlsystems21.com



Control Systems 21

"Your Process Control Specialists"

CERTIFICATE of CALIBRATION

Cal Certificate # 79167

Company Name York Water - East Prospect WWTP
PO Box 334, 28 W Maple St.
East Prospect, PA 17317

Instrument ID EP-03

Description Effluent Recorder
Manufacturer Partlow
Model Number MRC5000
Serial Number 1204886-0002
Location N/A
Building Control Building
Department N/A

Status Active
Temp °F 70
Cal Proc 4.2
Adjusted To Improve Yes
Calibration Frequency Annual
Calibrated 12/13/2023
Next Due Date 12/31/2024

Calibration Specifications

Test Point	Group Name	Ref Standard	Expected	Tol	UUT As Found	P/F	UUT As Left	P/F	Dev
1	Recorder	4.00 mA	0.00 GPM	+/-2.00	0.80 GPM	P	0.00 GPM	P	0.00
2		12.00 mA	50.00 GPM	+/-2.00	54.20 GPM	*F*	49.90 GPM	P	-0.10
3		20.00 mA	100.00 GPM	+/-2.00	105.30 GPM	*F*	99.90 GPM	P	-0.10

Calibration Standards Used

Test Instrument ID	Manufacturer	Model Number	Serial Number	Next Cal Date
740	Fluke	725	2343108	8/31/2024

Equipment listed on this cert is certified in reference to our current work instructions as part of our quality system.

Where applicable and noted calibrations were performed using standards whose calibration is traceable through NIST or another National Metrology Institute to the International System of Units (SI units).

Control Systems 21 utilizes the comparison method of calibration. Results are reviewed, when applicable, and any results exceeding the agreed upon specifications are indicated by red and/or bold print

All results with this certification relate only to the item(s) calibrated. This certificate shall not be reproduced except in full and with written consent of Control Systems 21. Unless otherwise noted all calibrations were performed in the field at the customers location.

Please note: any number of factors may cause the calibration item to drift out of tolerance before the calibration interval has expired.

Remarks or Special Requirements:

Calibration Result: Calibration Successful

Calibrated By: Jon Wirth

Finalized By: Jon Wirth 13 December 2023 4:08:31PM



June 17, 2024

Matthew Scarpato
The York Water Co.
130 E Market Street
York, PA 17401-1219

Re: Annual Wasteload Management (Chapter 94) Report
East Prospect STP
NPDES Permit No. PA0084565
Lower Windsor Township, York County

Dear Mr. Scarpato:

The Department of Environmental Protection (DEP) has completed its review of your 2023 Annual Wasteload Management Report submitted in accordance of 25 Pa. Code § 94.12.

The report is considered acceptable. DEP appreciates your cooperation in meeting the Chapter 94 reporting requirements.

DEP's website at www.dep.pa.gov/chapter94 includes a "Chapter 94 Spreadsheet" and a "Chapter 94 Report Template" form for presenting hydraulic and organic data and graphs along with other crucial details for treatment plants. Thank you for using these templates. DEP strongly encourages the use of these tools for future reports to facilitate statewide consistency in the preparation of Chapter 94 reports.

If you have any questions concerning this notice, please contact me at 717-705-4772 or cireson@pa.gov.

Sincerely,

A handwritten signature in black ink that reads "Casey Ireson". The signature is written in a cursive, flowing style.

Casey Ireson
Environmental Engineering Specialist
Clean Water Program

cc: John Longstreet (pdf)

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margaretta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-16 Please provide copies of the monthly DEP Discharge Monitoring Reports for the twelve-month period commencing with May 2023 for the Margaretta MHP and Lower Windsor WWTPs.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

The requested Discharge Monitoring Reports (DMRs) are attached hereto as **Attachment A-16-1**.

8/29/2024 9:00:50 AM

Region: All
County: All
Municipality: All
Permit #: PA0042528
Monitoring Period Date Range: 5/1/2023 To 5/31/2023
Client: All
Parameter: All

Permit #:	PA0042528	Facility Address:	MARGARETTA MHP 1446 PRAYER MISSION RD YORK, PA 17406-8624
Client ID / Name:	334264 - MARGARETTA MHP	County:	York
Primary Facility ID / Name:	272298 - MARGARETTA MHP	Municipality:	Lower Windsor Twp
Major Facility:	No	Latitude / Longitude:	39.961111 / -76.538611
Region:	SCRO		

Monitoring Period Begin Date	Monitoring Period End Date	DMR Received Date	Outfall	Discharge	Monitoring Location	Parameter Name	Parameter Code	DMR Value	Permit Limit	Units	Statistical Base Code
05/01/2023	05/31/2023	06/12/2023	001	Yes	Final Effluent	Ammonia-Nitrogen	00610	0.11	11.0	mg/L	Average Monthly
					Final Effluent	Ammonia-Nitrogen	00610	0.004	Monitor and Report	lbs/day	Average Monthly
					Final Effluent	Ammonia-Nitrogen	00610	0.12	23.0	mg/L	Instantaneous Maximum
					Final Effluent	Ammonia-Nitrogen (Total Load, lbs)	51446	0.1	Monitor and Report	lbs	Total Monthly
					Final Effluent	Carbonaceous Biochemical Oxygen Demand (CBOD5)	80082	< 2.9	25.0	mg/L	Average Monthly
					Final Effluent	Carbonaceous Biochemical Oxygen Demand (CBOD5)	80082	3.4	50.0	mg/L	Instantaneous Maximum
					Final Effluent	Dissolved Oxygen	00300	8.4	5.0	mg/L	Instantaneous Minimum
					Final Effluent	Fecal Coliform	74055	< 5	200	No./100 ml	Geometric Mean
					Final Effluent	Fecal Coliform	74055	30	1000	No./100 ml	Instantaneous Maximum
					Final Effluent	Flow	50050	0.0049	Monitor and Report	MGD	Average Monthly

**National Pollutant Discharge Elimination System (NPDES)
Electronic Discharge Monitoring Report (eDMR)**

8/29/2024 9:00:50 AM

05/01/2023	05/31/2023	06/12/2023	001	Yes	Final Effluent	Flow	50050	0.0113	Monitor and Report	MGD	Daily Maximum
					Final Effluent	Nitrate-Nitrite as N	00630	47.9	Monitor and Report	mg/L	Average Monthly
					Final Effluent	Nitrate-Nitrite as N (Total Load, lbs)	51450	55.34	Monitor and Report	lbs	Total Monthly
					Final Effluent	pH	00400	7.3	9.0	S.U.	Instantaneous Maximum
					Final Effluent	pH	00400	6.9	6.0	S.U.	Instantaneous Minimum
					Final Effluent	Total Kjeldahl Nitrogen	00625	< 0.5	Monitor and Report	mg/L	Average Monthly
					Final Effluent	Total Kjeldahl Nitrogen (Total Load, lbs)	51449	< 0.6	Monitor and Report	lbs	Total Monthly
					Final Effluent	Total Nitrogen	00600	48.4	Monitor and Report	mg/L	Average Monthly
					Final Effluent	Total Nitrogen (Total Load, lbs)	51445	55.9	Monitor and Report	lbs	Total Monthly
					Final Effluent	Total Phosphorus	00665	6.25	Monitor and Report	mg/L	Average Monthly
					Final Effluent	Total Phosphorus	00665	0.23	Monitor and Report	lbs/day	Average Monthly
					Final Effluent	Total Phosphorus (Total Load, lbs)	51451	7.2	Monitor and Report	lbs	Total Monthly
					Final Effluent	Total Residual Chlorine (TRC)	50060	0.29	0.50	mg/L	Average Monthly
					Final Effluent	Total Residual Chlorine (TRC)	50060	1.04	1.60	mg/L	Instantaneous Maximum
					Final Effluent	Total Suspended Solids	00530	12.5	30.0	mg/L	Average Monthly
					Final Effluent	Total Suspended Solids	00530	17.0	60.0	mg/L	Instantaneous Maximum



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: MARGARETTA MHP
 ADDRESS: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 FACILITY: MARGARETTA MHP
 LOCATION: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 STAGE: Final Effluent

PA0042528	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 06/01/2023
 DMR Effective To: 06/30/2023
 Permit Expires: 08/31/2023
 Permit Application Due: 03/04/2023
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2023	06	01	TO	2023	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.3	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.8	***	7.3	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	2.5	3.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 IMAX		2/month	8-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 62.9	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	.004	***	lbs/day	***	.11	.12	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	11.0 Avg Mo	23.0 IMAX		2/month	8-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .5	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	< 62.4	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.25	***	lbs/day	***	7.75	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	.0049	.0105	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.34	1.2	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.50 Avg Mo	1.60 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 61.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	.1	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< .5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 60.89	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	7.6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	7	43	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		2/month	Grab
Facility Parameter Comments		Lab uses Colilert test and results are in MPU/100ml								



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	< 2.4	< 2.4	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	25.0 Avg Mo	50.0 IMAX		2/month	8-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
Daily DMR.06_2023.xlsx	Daily Effluent Monitoring Form	2023-07-06T15:38:16-04:00	
Sludge Disposal.06_2023.NO DISPOSAL.3800-FM-BPNPSM0438.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2023-07-06T15:38:38-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
-------------------	------------------	----------------	-----------	------------	----------------	--------------	------	----------------	-------------------------	-------------------	----------

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
-------------------	------------------	----------------	--------------------------	----------------------	----------------	--------------	----------------	------------------	------------------	--------------------	-----------------------------------	----------

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
-------------------	---------------------	----------------	-----------	----------------	--------------	----------

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Robert Searer	193938	(717)-880-7169

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Robert Searer	TELEPHONE		DATE		
labtec101			(717)	880-7169	2023	07	06
		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: MARGARETTA MHP
 ADDRESS: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 FACILITY: MARGARETTA MHP
 LOCATION: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 STAGE: Final Effluent

PA0042528	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 07/01/2023
 DMR Effective To: 07/31/2023
 Permit Expires: 08/31/2023
 Permit Application Due: 03/04/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	07	01	FROM	2023	07	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	5.9	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.7	***	7.2	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	4.0	4.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 IMAX		2/month	8-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	53.4	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	.007	***	lbs/day	***	.16	.16	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	11.0 Avg Mo	23.0 IMAX		2/month	8-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .5	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	52.9	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.29	***	lbs/day	***	7.0	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	.0055	.0121	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.37	1.38	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.50 Avg Mo	1.60 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	67.5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< .6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	66.89	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	8.9	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	413	2420	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		2/month	Grab
Facility Parameter Comments		Lab uses Colilert test and results are in MPU/100ml. Confirmed plant functions all operational and obtained successful test result with no plant or process changes.								



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	< 2.5	2.5	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	25.0 Avg Mo	50.0 IMAX		2/month	8-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
NON-COMPLIANCE_2023.07_.DOC_.docx	Letter Explaining Non-Compliance	2023-08-21T09:44:24-04:00	
Daily DMR.07_2023.xlsx	Daily Effluent Monitoring Form	2023-08-21T09:41:21-04:00	
Sludge Disposal.07_2023.3800-FM-BPNPSM0438.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2023-08-21T09:41:40-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
195506	07/01/2023	07/31/2023	Fecal Coliform	Geometric Mean	413	200	No./100 ml	Final Effluent (001)			
195507	07/01/2023	07/31/2023	Fecal Coliform	Instantaneous Maximum	2420	1000	No./100 ml	Final Effluent (001)			

UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments

OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments

COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Robert Searer	193938	(717)-880-7169

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Robert Searer	TELEPHONE		DATE		
			(717)	880-7169	2023	08	21
labtec101		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: MARGARETTA MHP
 ADDRESS: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 FACILITY: MARGARETTA MHP
 LOCATION: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 STAGE: Final Effluent

PA0042528	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2023
 DMR Effective To: 08/31/2023
 Permit Expires: 08/31/2023
 Permit Application Due: 03/04/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	08	01	FROM	2023	08	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	6.3	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.7	***	7.2	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	3.5	5.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 IMAX		2/month	8-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	39.4	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	.009	***	lbs/day	***	.15	.2	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	11.0 Avg Mo	23.0 IMAX		2/month	8-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .5	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	38.9	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.38	***	lbs/day	***	4.95	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	.0056	.0122	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.34	1.29	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.50 Avg Mo	1.60 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	78.9	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	.3	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 1.1	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	77.84	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	11.7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	< 1	< 1	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		2/month	Grab
Facility Parameter Comments		Lab uses Colilert test and results are in MPU/100ml								



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	< 2.4	< 2.4	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	25.0 Avg Mo	50.0 IMAX		2/month	8-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
Daily DMR.08_2023.xlsx	Daily Effluent Monitoring Form	2023-09-18T14:46:22-04:00	
Sludge Disposal.08_2023.NO DISPOSAL.3800-FM-BPNPSM0438.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2023-09-18T14:46:45-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Robert Searer	193938	(717)-880-7169

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Robert Searer	TELEPHONE		DATE		
labtec101			(717)	880-7169	2023	09	18
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: MARGARETTA MHP
 ADDRESS: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 FACILITY: MARGARETTA MHP
 LOCATION: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 STAGE: Final Effluent

PA0042528	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 09/01/2023
 DMR Effective To: 09/30/2023
 Permit Expires: 08/31/2023
 Permit Application Due: 03/04/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	09	01	FROM	2023	09	30
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	6.8	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.7	***	7.1	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	3.0	5.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 IMAX		2/month	8-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	45.4	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	< .004	***	lbs/day	***	< .1	< .1	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	11.0 Avg Mo	23.0 IMAX		2/month	8-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .5	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	44.9	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.24	***	lbs/day	***	6.75	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	.0046	.0117	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.28	1.08	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.50 Avg Mo	1.60 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	48.5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< .1	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< .5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	47.96	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	7.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	< 13	162	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		2/month	Grab
Facility Parameter Comments		Lab uses Colilert test and results are in MPU/100ml								



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	< 2.4	< 2.4	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	25.0 Avg Mo	50.0 IMAX		2/month	8-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
Daily DMR.09_2023.xlsx	Daily Effluent Monitoring Form	2023-10-23T10:39:38-04:00	
Sludge Disposal.09_2023.3800-FM-BPNPSM0438.xlsx	Sewage Sludge / Biosolids Production and Disposal Form	2023-10-23T10:40:00-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Robert Searer	193938	(717)-880-7169

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Robert Searer	TELEPHONE		DATE		
labtec101			(717)	880-7169	2023	10	23
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: MARGARETTA MHP
 ADDRESS: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 FACILITY: MARGARETTA MHP
 LOCATION: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 STAGE: Final Effluent

PA0042528	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2023
 DMR Effective To: 10/31/2023
 Permit Expires: 08/31/2023
 Permit Application Due: 03/04/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	10	01	FROM	2023	10	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	7.28	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.11	***	7.2	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	5.0	7.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 IMAX		2/month	8-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	44	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	< .003	***	lbs/day	***	< .1	< .1	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	11.0 Avg Mo	23.0 IMAX		2/month	8-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .5	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	44	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.2	***	lbs/day	***	5.3	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	.0048	.0074	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.38	1.02	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.50 Avg Mo	1.60 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	42	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< .1	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< .5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	42	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	5.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 1.0	< 1.0	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		2/month	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	< 6.0	8.6	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	25.0 Avg Mo	50.0 IMAX		2/month	8-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
MargarettaDEM - Oct23.xlsx	Daily Effluent Monitoring Form	2023-11-27T12:31:24-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Derek Hemler	337777	(717)-634-4017

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Derek Hemler	TELEPHONE		DATE		
djhemler			(717)	634-4017	2023	11	27
			SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: MARGARETTA MHP
 ADDRESS: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 FACILITY: MARGARETTA MHP
 LOCATION: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 STAGE: Final Effluent

PA0042528	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 11/01/2023
 DMR Effective To: 11/30/2023
 Permit Expires: 08/31/2023
 Permit Application Due: 03/04/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	11	01	FROM	2023	11	30
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.0	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.19	***	7.89	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	11.0	17.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 IMAX		2/month	8-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	43.23	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	< .005	***	lbs/day	***	< .11	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .52	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	43.23	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.3	***	lbs/day	***	4.9	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	.0054	.0144	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.39	.85	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.50 Avg Mo	1.60 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	61	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	.2	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< .7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	61	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	7.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 48	2420	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		2/month	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	4.0	6.3	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	25.0 Avg Mo	50.0 IMAX		2/month	8-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
MargarettaDEM - Nov23.xlsx	Daily Effluent Monitoring Form	2023-12-28T00:14:19-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Derek Hemler	337777	(717)-634-4017

SUBMISSION INFORMATION

<p>*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).</p>	Derek Hemler	TELEPHONE		DATE		
		(717)	634-4017	2023	12	28
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: MARGARETTA MHP
 ADDRESS: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 FACILITY: MARGARETTA MHP
 LOCATION: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 STAGE: Final Effluent

PA0042528	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2023
 DMR Effective To: 12/31/2023
 Permit Expires: 08/31/2023
 Permit Application Due: 03/04/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	12	01	FROM	2023	12	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.2	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.08	***	7.63	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	4.0	6.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 IMAX		2/month	8-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	31.23	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	< .005	***	lbs/day	***	< .1	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .5	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	31	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.2	***	lbs/day	***	4.1	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	.0068	.0441	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.44	1.11	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.50 Avg Mo	1.60 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	45	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< .1	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< .7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	44	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	6.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 4.0	16	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		2/month	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	< 2.0	< 2.4	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	25.0 Avg Mo	50.0 IMAX		2/month	8-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
MargarettaDEM - Dec 23.xlsx	Daily Effluent Monitoring Form	2024-01-26T17:29:20-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Derek Hemler	337777	(717)-634-4017

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Derek Hemler	TELEPHONE		DATE		
		(717)	634-4017	2024	01	26
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: MARGARETTA MHP
 ADDRESS: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 FACILITY: MARGARETTA MHP
 LOCATION: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 STAGE: Final Effluent

PA0042528	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 01/01/2024
 DMR Effective To: 01/31/2024
 Permit Expires: 08/31/2023
 Permit Application Due: 03/04/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	01	01	FROM	2024	01	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	6.3	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.87	***	7.66	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	8.0	13.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 IMAX		2/month	8-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	16.5	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	.8	***	lbs/day	***	8.0	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	10.3	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	6.3	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.3	***	lbs/day	***	3.2	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	.0086	.0406	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.31	.73	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.50 Avg Mo	1.60 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	51	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	26	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	51	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	16	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	10	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	3.0	10	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		2/month	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	5.0	7.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	25.0 Avg Mo	50.0 IMAX		2/month	8-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
MargarettaDEM - JAN24.xlsx	Daily Effluent Monitoring Form	2024-02-26T12:45:19-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Derek Hemler	337777	(717)-634-4017

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Derek Hemler	TELEPHONE		DATE		
		(717)	634-4017	2024	02	26
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: FOOTE PROP MANAGEMENT LLC
 ADDRESS: 2678 MT ROSE AVE, YORK PA, 17402
 FACILITY: MARGARETTA MHP
 LOCATION: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 STAGE: Final Effluent

PA0042528	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2024
 DMR Effective To: 02/29/2024
 Permit Expires: 08/31/2023
 Permit Application Due: 03/04/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	02	01	FROM	2024	02	29
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.4	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	7.18	***	7.68	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	4.0	7.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 IMAX		2/month	8-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	47.8	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	5.0	***	lbs/day	***	34	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	46	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	2.3	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.8	***	lbs/day	***	4.6	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	.0075	.0328	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.38	.83	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.50 Avg Mo	1.60 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	238	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	145	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	225	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	13	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	22	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 1.0	< 1.0	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		2/month	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	6.0	6.6	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	25.0 Avg Mo	50.0 IMAX		2/month	8-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
MargarettaDEM - Feb24.xlsx	Daily Effluent Monitoring Form	2024-03-26T11:52:06-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Derek Hemler	337777	(717)-634-4017

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Derek Hemler	TELEPHONE		DATE		
		(717)	634-4017	2024	03	26
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: FOOTE PROP MGMT LLC
 ADDRESS: 2678 MT ROSE AVE, YORK PA, 17402
 FACILITY: MARGARETTA MHP
 LOCATION: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 STAGE: Final Effluent

PA0042528	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 03/01/2024
 DMR Effective To: 03/31/2024
 Permit Expires: 08/31/2023
 Permit Application Due: 03/04/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	03	01	FROM	2024	03	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.5	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.82	***	7.71	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	10.0	10.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 IMAX		2/month	8-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	41.3	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	2.0	***	lbs/day	***	30	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	40	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	1.8	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.2	***	lbs/day	***	3.9	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	.009	.0247	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.45	1.28	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.50 Avg Mo	1.60 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	82	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	60	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	79	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	4.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	8.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 20	387	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		2/month	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	8.0	9.8	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	25.0 Avg Mo	50.0 IMAX		2/month	8-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
MargarettaDEM-Mar24.xlsx	Daily Effluent Monitoring Form	2024-04-22T09:47:04-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Derek Hemler	33777	(717)-634-4017

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Derek Hemler	TELEPHONE		DATE		
		(717)	634-4017	2024	04	22
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: FOOTE PROP MGMT LLC
 ADDRESS: 2678 MT ROSE AVE, YORK PA, 17402
 FACILITY: MARGARETTA MHP
 LOCATION: 1446 PRAYER MISSION RD, YORK PA, 17406-8624
 STAGE: Final Effluent

PA0042528	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 04/01/2024
 DMR Effective To: 04/30/2024
 Permit Expires: 08/31/2023
 Permit Application Due: 03/04/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	04	01	FROM	2024	04	30
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.2	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.57	***	8.86	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	***	***	***	***	13.0	18.0	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	30.0 Avg Mo	60.0 IMAX		2/month	8-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	31.42	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	1	***	lbs/day	***	27	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	30	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	1.42	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.3	***	lbs/day	***	5.2	***	mg/L	2/month	8-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/month	8-Hr Composite
Flow (50050)	Sample Measurement	.009982	.05244	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Residual Chlorine (TRC) (50060)	Sample Measurement	***	***	***	***	.37	1.20	mg/L	1/day	Grab
	Permit Requirement	***	***		***	.50 Avg Mo	1.60 IMAX		1/day	Grab
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	51	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	43	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	49	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	3.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	9	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	49	2420	No./100 ml	2/month	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		2/month	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	***	***	***	***	8.0	8.3	mg/L	2/month	8-Hr Composite
	Permit Requirement	***	***		***	25.0 Avg Mo	50.0 IMAX		2/month	8-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
MargarettaDEM - April24.xlsx	Daily Effluent Monitoring Form	2024-05-28T11:59:49-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Derek Hemler	337777	(717)-634-4017

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Derek Hemler	TELEPHONE		DATE		
		(717)	634-4017	2024	05	28
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margaretta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-17 Please provide a 5-year compliance history with DEP for the Margaretta System and Margaretta MHP WWTP with an explanation of each violation.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

According to Margaretta and the US EPA compliance database (ECHO), between July 2019 and June 2024, the Margaretta WWTP was reported to have nine (9) effluent discharge monitoring violations. The ECHO Report is attached hereto as **Attachment A-17-1**. PA DEP's compliance record indicates two compliance violations, 4/16 (Digester Overflow – resolved in 2016) and 3/19 (Total Suspended Solids Exceedance- resolved in 2019), both of which have been resolved according to PA DEP records. These are the confirmed compliance violations in the public record. The Margaretta MHP WWTP is not subject of this transaction and is not subject of the request for this service territory.



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Final Effluent

PA0084565			001			
PERMIT NUMBER			OUTFALL NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	05	01	TO	2023	05	31

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2023
 DMR Effective To: 05/31/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	7.27	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.58	***	7.55	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	4.0	6.0	lbs/day	***	9.0	12.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 20.81	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	< .05	***	lbs/day	***	< .1	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	12.4 Avg Mo	***		***	8.5 Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< 1.24	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	19.6	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.4	***	lbs/day	***	.81	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	11.5	12.8	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.057	.069	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 332	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 1.6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 20	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	312	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	13.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	< 1.0	3.0	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 1.0	2.0	lbs/day	***	< 3.0	4.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 05/01/2023
 DMR Effective To: 05/31/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2023	05	01	TO	2023	05	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	174	245	lbs/day	***	360	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	162	310	lbs/day	***	332	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
EP I&PC May 2023.xls	Influent and Process Control Form	2023-06-22T10:19:35-04:00	
East Prospect DEM May 2023.xlsx	Daily Effluent Monitoring Form	2023-06-22T10:19:15-04:00	
EP SD May 2023.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-06-22T10:20:03-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Eric Buracker	S19041	(717)-900-7117

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Grover Buracker	TELEPHONE		DATE		
			(540)	931-4475	2023	06	22
eburacker		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Final Effluent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 06/01/2023
 DMR Effective To: 06/30/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	06	01	FROM	2023	06	30
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	6.78	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.28	***	7.66	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	4.0	7.0	lbs/day	***	10.0	16.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 16.1	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	< .05	***	lbs/day	***	< .1	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	12.4 Avg Mo	***		***	8.5 Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .7	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	15.4	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.3	***	lbs/day	***	.64	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	12.2	12.6	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.053	.060	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 219	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 1.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 9.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	210	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	9.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	< 1.0	1.0	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 1.0	< 1.0	lbs/day	***	< 2.0	< 2.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 06/01/2023
 DMR Effective To: 06/30/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2023	06	01	TO	2023	06	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	154	200	lbs/day	***	352	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	298	360	lbs/day	***	679	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
EP SD June 2023.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-07-27T11:26:06-04:00	
EP I&PC June 2023.xls	Influent and Process Control Form	2023-07-27T11:25:42-04:00	
East Prospect DEM June 2023.xlsx	Daily Effluent Monitoring Form	2023-07-27T11:25:18-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Eric Buracker	S19041	(717)-900-7117

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Grover Buracker	TELEPHONE		DATE		
			(540)	931-4475	2023	07	27
eburacker		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Final Effluent

PA0084565			001			
PERMIT NUMBER			OUTFALL NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	07	01	TO	2023	07	31

Reporting Frequency: Monthly
 DMR Effective From: 07/01/2023
 DMR Effective To: 07/31/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	6.51	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.67	***	7.74	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	2.0	3.0	lbs/day	***	5.0	6.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 15.96	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	< .05	***	lbs/day	***	< .1	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	12.4 Avg Mo	***		***	8.5 Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .88	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	15.1	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.3	***	lbs/day	***	.56	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	12.6	14	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.054	.061	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 232	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 1.5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 13	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	219	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	8	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	< 1	3	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 1.0	< 1.0	lbs/day	***	< 2.0	< 2.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 07/01/2023
 DMR Effective To: 07/31/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2023	07	01	TO	2023	07	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	184	266	lbs/day	***	408	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	221	293	lbs/day	***	491	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
EP I&PC July 2023.xls	Influent and Process Control Form	2023-08-24T15:25:21-04:00	
East Prospect DEM July 2023.xlsx	Daily Effluent Monitoring Form	2023-08-24T15:24:39-04:00	
EP SD July 2023.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-08-24T15:26:09-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Jeffrey Streavig	S23978	(717)-887-9710

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Jeffrey Streavig	TELEPHONE		DATE		
			(717)	887-9710	2023	08	24
jstreavigjr		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Final Effluent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2023
 DMR Effective To: 08/31/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	08	01	FROM	2023	08	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	6.32	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	8.04	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	1.0	2.0	lbs/day	***	3.0	5.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 15.29	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	< .05	***	lbs/day	***	< .1	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	12.4 Avg Mo	***		***	8.5 Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .83	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	< 14.5	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.2	***	lbs/day	***	.52	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	12.7	14.0	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.055	.072	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 224	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 1.5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 12.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	< 212	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	8.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	< 2.0	10.0	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 1.0	< 1.0	lbs/day	***	< 2.0	< 2.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 08/01/2023
 DMR Effective To: 08/31/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2023	08	01	TO	2023	08	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	157	175	lbs/day	***	358	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	167	205	lbs/day	***	379	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
East Prospect DEM August 2023.xlsx	Daily Effluent Monitoring Form	2023-09-25T14:46:31-04:00	
EP I&PC August 2023.xls	Influent and Process Control Form	2023-09-25T14:46:53-04:00	
EP SD August 2023.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-09-25T14:47:19-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Eric Buracker	S19041	(717)-900-7117

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Grover Buracker	TELEPHONE		DATE		
			(540)	931-4475	2023	09	25
eburacker		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Final Effluent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 09/01/2023
 DMR Effective To: 09/30/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	09	01	FROM	2023	09	30
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	6.33	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.72	***	7.51	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	3.0	5.0	lbs/day	***	7.0	11.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 15.3	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	< .05	***	lbs/day	***	< .1	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	12.4 Avg Mo	***		***	8.5 Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .5	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	14.8	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.3	***	lbs/day	***	.59	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	12.4	13.2	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.056	.072	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 222	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 1.5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	215	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	9.0	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (May-Sep)	Sample Measurement	***	***	***	***	< 1	1	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 1.0	< 1.0	lbs/day	***	< 2.0	2.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 09/01/2023
 DMR Effective To: 09/30/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM	2023	09	01	TO	2023	09 30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	130	148	lbs/day	***	292	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	134	184	lbs/day	***	301	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
East Prospect DEM September 2023.xlsx	Daily Effluent Monitoring Form	2023-10-23T10:14:34-04:00	
EP I&PC September 2023.xls	Influent and Process Control Form	2023-10-23T10:14:57-04:00	
EP SD September 2023.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-10-23T10:15:27-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Eric Buracker	S19041	(717)-900-7117

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	Grover Buracker	TELEPHONE		DATE		
			(540)	931-4475	2023	10	23
eburacker		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Final Effluent

PA0084565
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2023
 DMR Effective To: 10/31/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge: _____

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2023	10	01	TO	2023	10	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	6.55	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.38	***	7.53	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	3.1	4.4	lbs/day	***	7.5	10.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 20.4	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (May-Oct)	Sample Measurement	< .05	***	lbs/day	***	< .1	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	12.4 Avg Mo	***		***	8.5 Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .5	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	19.9	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.3	***	lbs/day	***	.62	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	10.1	14	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.052	.059	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 290	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 1.4	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	9.1	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	8	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 1	7	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		1/week	Grab

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	1.7	2.3	lbs/day	***	4.0	5.3	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: SOUTH MAIN STREET, EAST PROSPECT PA, 17317
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 10/01/2023
 DMR Effective To: 10/31/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge: _____

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2023	10	01	TO	2023	10	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	165	212	lbs/day	***	399	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	175	239	lbs/day	***	426	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
EP October DEM 2023.xls	Daily Effluent Monitoring Form	2023-11-16T07:59:17-05:00	
EP October Biosolids 2023.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-11-16T07:58:53-05:00	
EP October I&PC 2023.xls	Influent and Process Control Form	2023-11-16T07:59:45-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	John G. Fetterhoff	197707	(717)-554-0158

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	John Fetterhoff	TELEPHONE		DATE		
			(717)	254-5044	2023	11	16
fetterhoffj		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Final Effluent

PA0084565			001			
PERMIT NUMBER			OUTFALL NUMBER			
MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	11	01	TO	2023	11	30

Reporting Frequency: Monthly
 DMR Effective From: 11/01/2023
 DMR Effective To: 11/30/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	7.32	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.62	***	7.8	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	2.3	2.9	lbs/day	***	5.6	7.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 23.8	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	< .05	***	lbs/day	***	< .1	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .5	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	23.3	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.2	***	lbs/day	***	.47	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	8.9	14	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.051	.059	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 279	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 1.6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	300	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 1	3	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 1.3	1.8	lbs/day	***	< 3.2	4.3	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 11/01/2023
 DMR Effective To: 11/30/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2023	11	01	TO	2023	11	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	172	184	lbs/day	***	429	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	160	221	lbs/day	***	397	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
EP November Biosolids 2023.xls	Sewage Sludge / Biosolids Production and Disposal Form	2023-12-08T08:13:34-05:00	
EP November DEM 2023.xls	Daily Effluent Monitoring Form	2023-12-08T08:13:56-05:00	
EP November I&PC 2023.xls	Influent and Process Control Form	2023-12-08T08:14:25-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	John G. Fetterhoff	197707	(717)-554-0158

SUBMISSION INFORMATION

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			(717)	254-5044	2023	12	08
fetterhoffj		SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Final Effluent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2023
 DMR Effective To: 12/31/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2023	12	01	FROM	2023	12	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.35	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.22	***	7.69	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	3.2	4.4	lbs/day	***	7.0	9.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 22.8	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	< .06	***	lbs/day	***	< .1	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< 1.0	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	21.8	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.3	***	lbs/day	***	.50	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	8.3	12.3	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.058	.083	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 362	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 1.7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 20	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	343	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	9	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 1	4	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 1.8	< 3.3	lbs/day	***	< 3.9	6.4	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 12/01/2023
 DMR Effective To: 12/31/2023
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2023	12	01	TO	2023	12	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	167	184	lbs/day	***	365	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	156	168	lbs/day	***	340	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
EP December DEM 2023.xls	Daily Effluent Monitoring Form	2024-01-09T14:42:51-05:00	
EP December I&PC 2023.xls	Influent and Process Control Form	2024-01-09T14:43:21-05:00	
EP December Biosolids 2023.xls	Sewage Sludge / Biosolids Production and Disposal Form	2024-01-09T14:42:31-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	John G. Fetterhoff	197707	(717)-554-0158

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	John Fetterhoff	TELEPHONE		DATE		
		(717)	254-5044	2024	01	09
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Final Effluent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 01/01/2024
 DMR Effective To: 01/31/2024
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	01	01	FROM	2024	01	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	7.39	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.26	***	7.69	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	3.5	6.1	lbs/day	***	7.2	13.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 21.1	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	< .50	***	lbs/day	***	< 1.0	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< 1.7	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	19.4	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.3	***	lbs/day	***	.49	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	7.1	10.4	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.061	.076	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 341	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 15.5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 26	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	316	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	8	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 1	< 1	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	2.1	2.9	lbs/day	***	4.2	4.8	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
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 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

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 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
FROM	2024	01	01	TO	2024	01 31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	168	263	lbs/day	***	338	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	119	210	lbs/day	***	235	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
EP January Biosolids 2024.xls	Sewage Sludge / Biosolids Production and Disposal Form	2024-02-20T07:49:37-05:00	
EP January DEM 2024.xls	Daily Effluent Monitoring Form	2024-02-15T14:40:16-05:00	
EP January I&PC 2024.xls	Influent and Process Control Form	2024-02-15T14:40:42-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	John G. Fetterhoff	197707	(717)-554-0158

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	John Fetterhoff	TELEPHONE		DATE		
		(717)	254-5044	2024	02	20
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Final Effluent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2024
 DMR Effective To: 02/29/2024
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	02	01	FROM	2024	02	29
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.57	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.86	***	7.68	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	2.1	4.1	lbs/day	***	4.8	9.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 15.8	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	< .06	***	lbs/day	***	< .1	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .5	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	15.3	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.2	***	lbs/day	***	.35	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	7.0	9.9	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.056	.071	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 229	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 1.7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 8	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	221	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	5	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 1	2	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 1.3	1.9	lbs/day	***	< 2.9	4.3	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 02/01/2024
 DMR Effective To: 02/29/2024
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2024	02	01	TO	2024	02	29

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	140	168	lbs/day	***	314	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	121	173	lbs/day	***	273	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
EP February Biosolids 2024 Corrected.xls	Sewage Sludge / Biosolids Production and Disposal Form	2024-03-20T09:04:28-04:00	
EP February I&PC 2024.xls	Influent and Process Control Form	2024-03-12T11:37:47-04:00	
EP February DEM 2024.xls	Daily Effluent Monitoring Form	2024-03-12T11:37:21-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	John G. Fetterhoff	197707	(717)-554-0158

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	John Fetterhoff	TELEPHONE		DATE		
		(717)	254-5044	2024	03	20
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Final Effluent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 03/01/2024
 DMR Effective To: 03/31/2024
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	03	01	FROM	2024	03	31
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.14	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.39	***	7.44	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	1.9	2.8	lbs/day	***	4.3	6.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 16.3	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	< .12	***	lbs/day	***	< .2	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< 1.0	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	15.4	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.2	***	lbs/day	***	.37	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	7.3	8.9	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.057	.071	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	252	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 3.7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 14	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	237	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 1	1	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	1.9	2.2	lbs/day	***	4.2	4.8	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 03/01/2024
 DMR Effective To: 03/31/2024
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2024	03	01	TO	2024	03	31

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	162	192	lbs/day	***	354	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	144	176	lbs/day	***	315	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
CV March Biosolids 2024.xls	Sewage Sludge / Biosolids Production and Disposal Form	2024-04-09T15:00:05-04:00	
CV March DEM 2024.xls	Daily Effluent Monitoring Form	2024-04-09T15:00:29-04:00	
CV March I&PC 2024.xls	Influent and Process Control Form	2024-04-09T15:00:58-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	John G. Fetterhoff	197707	(717)-554-0158

SUBMISSION INFORMATION

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		(717)	254-5044	2024	04	09
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Final Effluent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 04/01/2024
 DMR Effective To: 04/30/2024
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD						
YEAR	MO	DAY		YEAR	MO	DAY
2024	04	01	FROM	2024	04	30
			TO			

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	7.61	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Inst Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.6	***	7.53	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Inst Min	***	9.0 IMAX		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	2.9	5.1	lbs/day	***	6.0	11.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	43.0 Avg Mo	65.0 Wkly Avg		***	30.0 Avg Mo	45.0 Wkly Avg		1/week	24-Hr Composite
Total Nitrogen (00600)	Sample Measurement	***	***	***	***	< 16.6	***	mg/L	1/month	Calculation
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		1/month	Calculation
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	< .06	***	lbs/day	***	< .1	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Kjeldahl Nitrogen (00625)	Sample Measurement	***	***	***	***	< .8	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Nitrate-Nitrite as N (00630)	Sample Measurement	***	***	***	***	15.8	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.2	***	lbs/day	***	.32	***	mg/L	2/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		2/week	24-Hr Composite
Ultraviolet light intensity (49607)	Sample Measurement	***	***	***	***	8.2	11.4	mW/cm ²	Continuous	Recorded
	Permit Requirement	***	***		***	Monitor & Report Avg Mo	Monitor & Report IMAX		Continuous	Recorded
Flow (50050)	Sample Measurement	.060	.076	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Total Nitrogen (Total Load, lbs) (51445)	Sample Measurement	< 288	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Ammonia-Nitrogen (Total Load, lbs) (51446)	Sample Measurement	< 1.7	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Kjeldahl Nitrogen (Total Load, lbs) (51449)	Sample Measurement	< 14	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Nitrate-Nitrite as N (Total Load, lbs) (51450)	Sample Measurement	274	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Total Phosphorus (Total Load, lbs) (51451)	Sample Measurement	6	***	lbs	***	***	***	***	1/month	Calculation
	Permit Requirement	Monitor & Report Total Mo	***		***	***	***		1/month	Calculation
Fecal Coliform (74055) (Oct-Apr)	Sample Measurement	***	***	***	***	< 1	1	No./100 ml	1/week	Grab
	Permit Requirement	***	***		***	2000 Geo Mean	10000 IMAX		1/week	Grab



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

Carbonaceous Biochemical Oxygen Demand (CBOD5) (80082)	Sample Measurement	< 1.3	< 1.5	lbs/day	***	< 2.6	2.8	mg/L	1/week	24-Hr Composite
	Permit Requirement	36.0 Avg Mo	58.0 Wkly Avg		***	25.0 Avg Mo	40.0 Wkly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

NAME: THE YORK WATER CO
 ADDRESS: 130 E MARKET ST, YORK PA, 17401-1219
 FACILITY: EAST PROSPECT STP
 LOCATION: 5230 E PROSPECT RD, YORK PA, 17406
 STAGE: Raw Sewage Influent

PA0084565	001
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
 DMR Effective From: 04/01/2024
 DMR Effective To: 04/30/2024
 Permit Expires: 05/31/2024
 Permit Application Due: 12/03/2023
 No Discharge:

MONITORING PERIOD							
YEAR	MO	DAY		YEAR	MO	DAY	
FROM	2024	04	01	TO	2024	04	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	194	257	lbs/day	***	401	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (00530)	Sample Measurement	157	235	lbs/day	***	332	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										



**COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)**

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
EP April Biosolids 2024.xls	Sewage Sludge / Biosolids Production and Disposal Form	2024-05-15T07:12:14-04:00	
EP April DEM 2024.xls	Daily Effluent Monitoring Form	2024-05-15T07:12:37-04:00	
EP April I&PC 2024.xls	Influent and Process Control Form	2024-05-15T07:13:07-04:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	John G. Fetterhoff	197707	(717)-554-0158

SUBMISSION INFORMATION

*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your 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 your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	John Fetterhoff	TELEPHONE		DATE		
		(717)	254-5044	2024	05	15
	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-18 Please provide a 5-year compliance history with DEP for the Lower Windsor WWTP with an explanation of each violation or notice of violation.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

There are only 2 non-compliance items in the public record (2016 & 2019) to the Lower Windsor WWTP, as seen in **Attachment A-18-1**. Both were caused by situational operational issues and have been resolved.

The York Water Company				
PADEP Compliance History Summary				
Date	Progra	ID	Description	Status
4/7/2016	NPDES	PA0084565	Digester Overflow	In Compliance
3/31/2019	NPDES	PA0084565	Effluent Total Suspended Solids Exceedance	In Compliance

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-19 Please confirm if Lower Windsor Township has a mandatory connection ordinance for wastewater service.

RESPONDENT:

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

Lower Windsor Township does not have a mandatory connection ordinance for wastewater service.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-20 Please confirm that York Water-WW is current with its Security Planning and Readiness Self-Certification Form filing requirements with the Commission. This form and instructions for filing can be found on the Commission's website at www.puc.pa.gov/filing-resources/forms/waterwastewater-forms.

RESPONDENT:

JT Hand
President and Chief Executive Officer
The York Water Company

RESPONSE:

York Water has historically submitted Security Planning and Readiness Self-Certification in February every year. In 2024, York Water missed filing this certification but submitted it on August 27, 2024. This was missed due to personnel departure and retirement(s). This will not occur again, as the Self-Certification's filing has been reassigned internally.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margaretta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-21 Pursuant to 52 Pa. Code § 3.501(f)(3), please provide a certificate of service for DEP's central office.

RESPONDENT

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

York Water served a copy of the Application on DEP's Southcentral regional office on June 21, 2024. A copy of the Application was served on DEP's Central office on August 26, 2024. Attached is a copy of the Certificate of Service that was filed on August 26, 2024.



One Oxford Centre
301 Grant Street, Suite 3010
Pittsburgh, PA 15219
412-227-8887 Main
412-227-9065 Main Fax
www.postschell.com

Devin Ryan

dryan@postschell.com
717-612-6052 Direct
717-731-1985 Direct Fax
File #: 202044

August 26, 2024

VIA ELECTRONIC FILING

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

**Re: In the Matter of the Application of The York Water Company , Under Sections 1102(a)(1) and 1102(a)(3) of the Public Utility Code, For Approval of the Right of The York Water Company To: (1) Acquire Certain Wastewater Facilities of Margaretta MHP, LLC; and (2) Begin To Offer, render, Furnish and Supply Wastewater Service to the Public in an Additional Portion of Lower Windsor Township, York County, Pennsylvania
Docket No. A-2024-3049695**

Dear Secretary Chiavetta:

The York Water Company is serving a copy of the above-referenced Application on the Pennsylvania Department of Environmental Protection's central office. Enclosed is a Certificate of Service evidencing such service.

Respectfully submitted,

A handwritten signature in blue ink, appearing to read 'Devin Ryan', with a long horizontal flourish extending to the right.

Devin Ryan

DR/sr
Enclosures

cc: Mathew Lamb (*via email; w/attachments*)
Certificate of Service

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of the Application has been served upon the following persons, in the manner indicated, in accordance with the requirements of 52 Pa. Code § 1.54 (relating to service by a participant).

VIA CERTIFIED MAIL: RETURN RECEIPT REQUESTED

Department of Environmental Protection
Rachel Carson State Office Building
400 Market Street
Harrisburg, PA 17101

Date: August 26, 2024



Devin T. Ryan



Commonwealth of Pennsylvania
Pennsylvania Public Utility Commission
 Harrisburg, PA 17105-3265
EFILING - FILING DETAIL

Date Created	Filing Number
8/26/2024	2655071

Your filing has been electronically received. Upon review of the filing for conformity with the Commission's filing requirements, a notice will be issued acknowledging acceptance or rejection (with reason) of the filing. The matter will receive the attention of the Commission and you will be advised if any further action is required on your part.

The date filed on will be the current day if the filing occurs on a business day before or at 4:30 p.m. (EST). It will be the next business day if the filing occurs after 4:30 p.m. (EST) or on weekends or holidays.

Docket Number: A-2024-3049695

Case Description:

Transmission Date: 8/26/2024 9:54 AM

Filed On: 8/26/2024 9:54 AM

eFiling Confirmation Number: 2655071

File Name	Document Type	Upload Date
YWC - Margareta (WW) - Letter and COS RE Serving PA DEP's Central Office (dated 8-26-24).pdf	Certificate of Service	8/26/2024 9:53:47 AM

For filings exceeding 250 pages, the PUC is requiring that filers submit one paper copy to the Secretary's Bureau within three business days of submitting the electronic filing online. Please mail the paper copy along with copy of this confirmation page to Secretary, Pennsylvania Public Utility Commission, 400 North Street, Harrisburg PA 17120 a copy of the filing confirmation page or reference the filing confirmation number on the first page of the paper copy.

No paper submission is necessary for filings under 250 pages.

You can view a record of this filing and previous filings you have submitted to the PUC by using the links in the Filings menu at the top of the page. Filings that have been submitted within the last 30 days can be viewed by using the Recent Filings link. Older filings can be viewed by using the search options available in the Filing History link.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margaretta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-22 Please state whether York Water-WW and Margaretta MHP are affiliated with each other.

RESPONDENT

JT Hand
President and Chief Executive Officer
The York Water Company

RESPONSE:

Margaretta MHP and York Water are not affiliated. This is an arm's length transaction, as stated in the Asset Purchase Agreement and the Application.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margaretta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-23 Please confirm that York Water-WW can provide adequate wastewater collection, conveyance, treatment, and disposal capacity to meet present and future customer needs.

RESPONDENT

Mark Snyder
Vice President Engineering
The York Water Company

RESPONSE:

York Water confirms that it can provide adequate wastewater collection, conveyance, treatment and disposal capacity to meet present and future customer needs.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-24 Please explain how Application approval would benefit York Water-WW's existing customers.

RESPONDENT

JT Hand
President and Chief Executive Officer
The York Water Company

RESPONSE:

See answer to Discovery A-26.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-25 Please explain how Application approval would benefit Margareta MHP's existing customers.

RESPONDENT

JT Hand
President and Chief Executive Officer
The York Water Company

RESPONSE:

See answer to Discovery A-26.

TUS Data Request Set 1

Application of The York Water Company – Wastewater for approval of the right to: (1) acquire certain wastewater system assets of Margareta MHP, LLC; and (2) begin to offer, render, furnish or supply wastewater service to the public in an additional portion of Lower Windsor Township, York County, Pennsylvania

Docket No. A-2024-3049695

A-26 Please explain how Application approval is in the public interest.

RESPONDENT

JT Hand
President and Chief Executive Officer
The York Water Company

RESPONSE:

Section 15 of the Application set forth the grounds on which approval of the Application is “necessary and proper for the service, accommodation, convenience, and safety of the public.” (Application, p. 14.) The PUC has held, and the Commonwealth Court has affirmed, that an expansion of service territory is “in the public interest” when “the Application is necessary and proper for the service, accommodation, and convenience of the public.” *In re Condemnation of Sunoco Pipeline, L.P.*, 143 A.3d 1000, 1007 (Pa. Cmwlth. 2016).

The Commission should approve the Application because it is in the public interest for the reasons set forth in Section 15 of the Application and as set forth in more detail below:

First, York Water owns and operates 14 wastewater collection systems and 11 sewage treatment facilities. The Company has a dedicated wastewater department with professional and certified operators, field technicians, and full maintenance and labor staff who can provide full time 24/7 emergency coverage and customer service to the Margareta MHP customers. York Water can and plans to utilize the same staff, operators, customer service team, meter shop, and labor team to provide services to the Margareta MHP residents that it uses to serve its other wastewater customers. In contrast, Margareta MHP currently employs less than 3 dedicated employees and does not have a dedicated customer service staff or department.

Second, the proposed expanded wastewater service territory is a part of York Water’s existing water service territory and is adjacent to the Company’s current wastewater service territory. As such, York Water already has personnel in the field in or near this area in any given week and is very familiar with the area and customers.

Third, Commission approval of the proposed Application will benefit York Water’s existing wastewater customers because by expanding the Company’s customer base, York Water’s fixed wastewater costs will be spread over a greater number of customers. Furthermore,

the revenues received from these new customers can help pay for system improvements elsewhere on the Company's wastewater system.

Fourth, York Water has a significantly better access to capital than Margareta MHP to make investments in the system. Margareta MHP has a limited customer base by which it can fund operation, maintenance, and related services for the wastewater system. By contrast, York Water can fund these investments through internally-generated funds, proceeds from the issuance of common stock under York Water's dividend reinvestment and direct stock purchase and employee stock purchase plans, and, if necessary, borrowings against York Water's lines of credit.

Fifth, York Water has superior cybersecurity protocols and practices than Margareta MHP. Wastewater is critical infrastructure, and these systems are subject of criminal attack every single day. The technologies and persons necessary to operate, monitor, and maintain this infrastructure and all of the support services required to provide utility service can be vulnerable. York Water employs a dedicated cybersecurity team both in-house and contracted to constantly maintain its cybersecurity defenses and detection capacity in an ever-changing landscape. The Company also utilizes the support of specialized external contracts, services, and 24/7 monitoring. York Water retains forensic, restoration, and communications experts in the event that either the Company's system or a business partner's system is under threat or has been breached. York Water works to meet NIST standards every day. Margareta MHP does not have an employee dedicated to cybersecurity, and it would not be financially feasible for Margareta MHP to match the cybersecurity infrastructure York Water has in place.

Sixth, Margareta MHP does not have much experience in the wastewater industry. York Water has been in the wastewater business for over a decade and in the water industry for over 2 centuries – providing reliable utility service, protecting our natural resources, and ensuring our operations are fiscally efficient and effective to satisfy customer needs and protect public health. York Water is managed by an executive team, including an experienced CEO, CFO and CAO/General Counsel – who are responsible to report to a professional Board of Directors. York Water is a highly regulated business, whose business and provision of services are primarily regulated by the PUC, DEP, and SEC. By comparison, Margareta MHP is not bound by a PaPUC tariff, management, rate-setting, or customer services regulations, nor is Margareta MHP regulated by the SEC, which mandates, among other things, specific governance, cybersecurity, financial and reporting obligations. Therefore, York Water's customers are better protected and have access to more information about their wastewater utility provider. Also, through the PUC, York Water's customers have the benefit of an informal and formal complaint process where disputes and concerns can be adjudicated before a neutral third party resource. The availability of these administrative challenge opportunities allows customers to address reliability and quality of services issues and empowers customers to hold their utility accountable to resolve service and quality issues. Such administrative process is not available to the Margareta MHP customers. In fact, there is no dedicated customer service team.

Seventh, York Water provides customers with a variety of ways to pay bills, from mail-in check, to on-line credit card or automatic account withdraw. All electronic options can be completed through an easy-to-use payment portal on our website.

<https://www.yorkwater.com/customer-service/pay-my-bill/>. Further, customers are able to view planned outages, real-time emergency information, view their account activity, update their account information, and start/stop service on the York Water website. These services are, in most cases, not offered at all by Margaretta MHP. York Water's customers are also protected through statutory customer protections reflected in the Company's tariff and in York Water's customer service program. None of these systemic protections are presently afforded to Margaretta MHP customers.

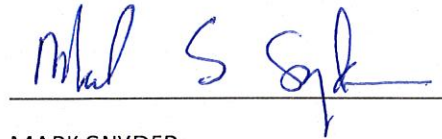
Eighth, York Water funds and administers a variety of customer assistance programs to address bill payment difficulty. York Water is an active participant with local partners in the Pennsylvania Homeowner Assistance Fund and LIWAP. The Company also has its Customer Assistance Program and the York Water Cares Program - both of which focus on providing avenues for assistance in paying bills and/or past due balances. York Water also sponsors a program where the Company can dispatch a licensed plumber to evaluate fixtures and potential sources of a usage issue when it appears plumbing fixture(s) could be causing elevated usage. The service call and minor repairs or minor parts replacements are paid for by York Water at no cost to the customer. Additionally, York Water provides the opportunity for customers to become current on their utility bill through payment (pay-over-time) programs. To the Company's knowledge, Margaretta MHP does not sponsor or participate in these types of programs.

Finally, York Water's website contains customer educational information related to the utility services provided, system information, public health content, environmental stewardship content, and links to relevant consumer resources. The educational/informational content is constantly being updated and refreshed. There is no similar Margaretta MHP resource available today to these customers.

AFFIDAVIT

:
COMMONWEALTH OF PENNSYLVANIA :
COUNTY OF YORK : SS.
:

MARK SNYDER, being duly sworn according to law, deposes and states that he is Vice President of Engineering at THE YORK WATER COMPANY; that he is authorized to and does make this affidavit for it; and that the facts set forth herein are true and correct to the best of his knowledge, information and belief; and that he expects THE YORK WATER COMPANY to be able to prove the same at any hearing hereof.



MARK SNYDER

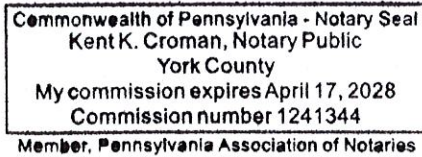
SWORN TO AND SUBSCRIBED

before me this
27th day of August 2024



Notary Public

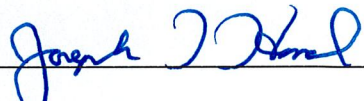
My Commission Expires: April 17, 2028



AFFIDAVIT

:
COMMONWEALTH OF PENNSYLVANIA :
COUNTY OF YORK : SS.
:

JOSEPH T. HAND, being duly sworn according to law, deposes and states that he is Chief Executive Officer of THE YORK WATER COMPANY; that he is authorized to and does make this affidavit for it; and that the facts set forth herein are true and correct to the best of his knowledge, information and belief; and that he expects THE YORK WATER COMPANY to be able to prove the same at any proceeding hereof and relating hereto.



JOSEPH T. HAND

SWORN TO AND SUBSCRIBED

before me this 27th day

of August ____, 2024.



Molly Elizabeth Norton

Notary Public

My Commission Expires: MARCH 3, 2025

