



**SOUTH FAYETTE TOWNSHIP
ALLEGHENY COUNTY**

PLANNING MODULE – SOUTHERN BELTWAY

RESOLUTION NO. 13 OF 2017

RESOLVED and ENACTED this 14th day of June, 2017

Attest:

A blue ink signature of Ryan Eggleston, written over a horizontal line.

Ryan Eggleston
Township Manager

TOWNSHIP OF SOUTH FAYETTE

A blue ink signature of Joseph Horowitz, written over a horizontal line.

Joseph Horowitz, President
Board of Commissioners

May 11, 2017

Project 21924C

Mr. Ryan Eggleston
Township of South Fayette
515 Millers Run Road
Morgan, PA 15064

RECEIVED
MAY 12 2017

**Resolution for Plan Revision for New Land Development
Sewage Facilities Planning Module
Southern Beltway Section 55C1-1
Proposed Maintenance Facility**

Dear Mr. Eggleston:

WSP | Parsons Brinckerhoff has been contracted by the Pennsylvania Turnpike Commission for the preparation of final design plans for Section 55C1-1 of the Southern Beltway (SR 576) project. Part of this project includes site preparation for a proposed maintenance facility located in the Township of South Fayette, Allegheny County. Grading and utility connections will be part of the site preparation.

WSP | Parsons Brinckerhoff has been working with the Municipal Authority of the Township of South Fayette (MATSF) to design a sewer line extension to the proposed maintenance facility.

I have attached Component 3 of the Sewage Facilities Planning Module and associated documents for township review. I have also attached a copy of the Resolution for Plan Revision for New Land Development form. Please return a completed copy of the form to WSP | Parsons Brinckerhoff as this form will be included in our submission to the Pennsylvania Department of Environmental Protection.

If you have any questions or comments regarding the project or planning module, please do not hesitate to contact me at 412-644-3062 or David Cooper, P.E., Project Manager, at 412-644-3185.

Sincerely,

WSP | Parsons Brinckerhoff



Bryce J. Miller, P.E.
Senior Highway Engineer

Encl. Resolution for Plan Revision for New Land Development
Component 3 Sewage Collection and Treatment Facilities
ALCOSAN Approval Letter (Dated May 5, 2017)
MATSF Approval Letter (Dated February 15, 2017)



DEP Code No.

RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF THE (SUPERVISORS) (COMMISSIONERS) (COUNCILMEN) of SOUTH FAYETTE
(TOWNSHIP) (BOROUGH) (CITY), ALLEGHENY 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 PA Turnpike Commission has proposed the development of a parcel of land identified as
land developer

Southern Beltway 55C1-1 Maintenance Facility, and described in the attached Sewage Facilities Planning Module, and
name of subdivision


proposes that such subdivision 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, South Fayette Township finds that the subdivision described in the attached
municipality

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 South Fayette 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 , Secretary, South Fayette
(Signature)

Township Board of Supervisors (Borough Council) (City Councilmen), hereby certify that the foregoing is a true copy of the Township (Borough) (City) Resolution # 13 of 2017, adopted, JUNE 14, 2017.

Municipal Address:

Seal of
Governing Body

Telephone _____



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

Code No.

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 #

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)

- Project Name Pennsylvania Turnpike Commission (PTC) - Southern Beltway Section 55C1-1 Maintenance Facility
- Brief Project Description A 4000 LF (approximate) sewer extension will connect the proposed PTC facility and three (3) existing dwellings to an existing Municipal Authority of the Township of South Fayette Facility (MATSF) collector sewer.

B. CLIENT (MUNICIPALITY) INFORMATION (See Section B of instructions)

Municipality Name	County	City	Boro	Twp
Township of South Fayette	Allegheny	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Benton	Michael	D		Township Engineer
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
515 Millers Run Road				
Address Last Line -- City	State	ZIP+4		
Morgan	PA	15064		
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
412-221-8700 Ext. 29	412-221-7798	mbetnon@sftwp.com		

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Pennsylvania Turnpike Commission (PTC) - Southern Beltway Section 55C1-1 Maintenance Facility

Site Location Line 1

Site Location Line 2

Site Location Last Line -- City

State

ZIP+4

Latitude

Longitude

McDonald

PA

15075

40°20'27"N

80°11'27"W

Detailed Written Directions to Site Starting at intersection of I-79 and SR 50. Take SR 50 West to SR 978 North. Take SR 978 North to Millers Run Road. Take Millers Run Road to Cecil-Sturgeon Road. Take Cecil-Sturgeon Road for 0.65 miles. The PTC facility will be graded into the existing hillside approximately 900 feet West of Cecil-Sturgeon Road.

Description of Site A Maintenance Facility including, PTC personnel buildings and storage buildings, will be constructed to service the PTC Southern Beltway (SR 576), currently under construction.

Site Contact (Developer/Owner)

Last Name

First Name

MI

Suffix

Phone

Ext.

Bednar

Greg

P

724-755-5182

Site Contact Title

Site Contact Firm (if none, leave blank)

FAX

Email

Mailing Address Line 1

Mailing Address Line 2

PTC 7000 South Eisenhower Blvd

Mailing Address Last Line -- City

State

ZIP+4

Middletown

PA

17057

D. PROJECT CONSULTANT INFORMATION (See Section D of instructions)

Last Name

First Name

MI

Suffix

Cooper

David

E

Title

Consulting Firm Name

Project Manager

WSP | Parsons Brinckerhoff

Mailing Address Line 1

Mailing Address Line 2

Four Gateway Center Suite 1305

Address Last Line -- City

State

ZIP+4

Country

Pittsburgh

PA

15222

Allegheny

Email

Area Code + Phone

Ext.

Area Code + FAX

cooperde@pbworld.com

412-644-3185

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: PA American Water

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 Eighteen (18)
Connections Four (4)

Name of:

existing collection or conveyance system Millers Run
owner Municipal Authority of the Township of South Fayette
existing interceptor MATSF Chartiers Creek Interceptor and Pump Station to ALCOSAN POC C54-16
owner Municipal Authority of the Township of South Fayette

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 ALCOSAN Woods Run

NPDES Permit Number for existing facility 25984

Clean Streams Law Permit Number _____

Location of discharge point for a new facility. Latitude _____ Longitude _____

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 ALCOSAN Woods Run
(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 ALCOSAN

Name of Responsible Agent Michael D. Lichte, P.E.

Agent Signature  Date 5/7/17

(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: _____ pounds of TN per year, and _____ pounds of TP per year. Based on the process design and effluent limits, the total nitrogen treatment capacity of the wastewater treatment facility is _____ pounds per year and the total phosphorus capacity is _____ 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 _____

Initials of Responsible Agent (See Section G 2.b) _____

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 7,200 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)		b. Present Flows (gpd)		c. Projected Flows in 5 years (gpd) (2 years for P.S.)	
	Average	Peak	Average	Peak	Average	Peak
Collection	2,400,000	6,000,000	1,545,000	7,600,000	1,946,000	7,600,000
Conveyance		15.05 mgd	1.7 mgd	6.28 mgd	1.72 mgd	6.35 mgd
Treatment		250 mgd		250 mgd		250 mgd

MATSF
CREEK
PUMP
STATION

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 SEE ATTACHED MATSF LETTER DATE 2-15-17

- a. YES NO 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?

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 Municipal Authority of the Township of South Fayette

Name of Responsible Agent Jerry D. Brown, Managing Director

Agent Signature [Signature] Date 2-15-17

J. CHAPTER 94 CONSISTENCY DETERMINATION (See Section J of instructions)

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Michael D. Lichte, P.E.

Agent Signature 

Date 5/5/2017

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. YES NO 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?

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 ALCOSAN

Name of Responsible Agent Michael D. Lichte, P.E.

Agent Signature 

Date 5/5/2017

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)

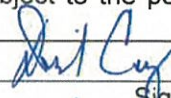
- 9. Does the project involve the use of large volume onlot sewage disposal systems (Flow > 10,000 gpd)?
- 10. Does the project require resolution of a conflict between the proposed alternative and consistency requirements contained in §71.21(a)(5)(i), (ii), (iii)?
- 11. Will sewage facilities discharge 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.

David E. Cooper

Name (Print)



Signature

Project Manager

Title

3/22/17

Date

Four Gateway Center Suite 1305, Pittsburgh, PA 15222

412-644-3185

Address

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 \$ 900.00 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.

$$\#18 \quad \text{Lots (or EDUs) X } \$50.00 = \$ \underline{900.00}$$

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:

\$ 1,500 per submittal (non-municipal)
\$ 500 per submittal (municipal)

- B. An increase in an existing surface discharge will use:

$$\#0 \quad \text{Lots (or EDUs) X } \$35.00 = \$ \underline{0.00}$$

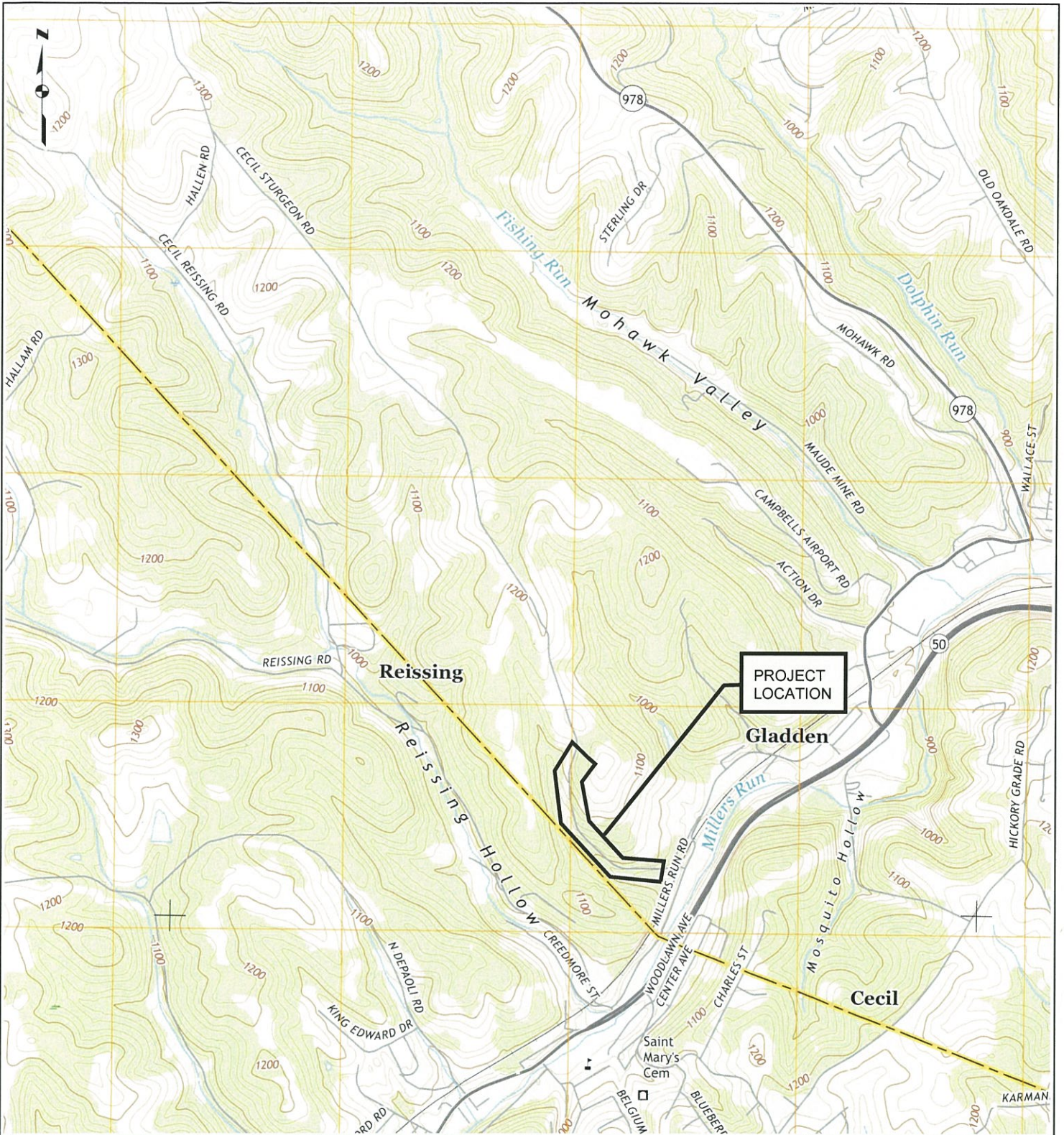
to a maximum of \$ 1,500 per submittal (non-municipal) or \$ 500 per submittal (municipal)

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:

\$ 1,500 per submittal (non-municipal)
\$ 500 per submittal (municipal)



REFERENCE:
USGS 7.5' QUADRANGLES:
CANONSBURG, PENNSYLVANIA (2010)



LEGEND

PROJECT LOCATION

PROJECT LATITUDE: 40° / 20' / 27"
PROJECT LONGITUDE: 80° / 11' / 27"
COLLECTION METHOD: PADEP EMAP

SCALE 1" = 2000'

PROJECT LOCATION MAP

SOUTHERN BELTWAY SECTION 55C1-1
PROPOSED MAINTENANCE FACILITY

SOUTH FAYETTE TOWNSHIP
ALLEGHENY COUNTY, PENNSYLVANIA
PENNSYLVANIA TURNPIKE COMMISSION

PROJECT NARRATIVE

The proposed project is for a proposed maintenance facility to service the Pennsylvania Turnpike Commission (PTC) Southern Beltway (SR 576), currently under construction. The proposed maintenance facility will be located at 40° 20'27"N and 80° 11'27"W, immediately adjacent to the Southern Beltway (SR 576) and a proposed road connecting T-842 (Cecil-Sturgeon Road) and SR 1001 (Reissing Road) in the Township of South Fayette, Allegheny County, Pennsylvania. Proposed construction will include PTC personnel buildings and storage buildings. A 4,000 linear foot (approximate) sewer line extension will connect the proposed maintenance facility and an existing Municipal Authority of the Township of South Fayette (MATSF) collector sewer. The sewer line extension will also service 3 existing dwellings.

Flows from an existing maintenance facility of similar size were averaged to estimate flows for the proposed maintenance facility. Estimated flow for the proposed maintenance facility is equal to 6,000 gallons per day. One Equivalent Dwelling Unit (EDU) for the Pennsylvania Department of Environmental Protection is equal to 400 gallons per day. Therefore, estimated flow from the proposed maintenance facility is equal to 15 EDU's.

An additional 400 gallons per day are estimated for the 3 existing dwellings, or 3 EDU's, for a total of 18 EDU's for the proposed sewer line extension. The total design flow is 7,200 gallons per day for the proposed sewer line extension.

The proposed sewer line extension will discharge to the an existing MATSF collector sewer on Cecil-Sturgeon Road, to the MATSF Miller's Run Trunk Sewer, and to the MATSF Chartiers Creek Interceptor and MATSF Chartiers Creek Pump Station. The MATSF Chartiers Creek Pump Station conveys wastewater to ALCOSAN Point of Connection (POC) C54-16 located on the ALCOSAN Chartiers Creek Interceptor. Treatment will take place at the ALCOSAN Wood Run Regional Treatment Center.

ALTERNATIVES ANALYSIS

The proposed project is for a proposed maintenance facility to service the Pennsylvania Turnpike Commission (PTC) Southern Beltway (SR 576), currently under construction. The proposed maintenance facility will be located at 40° 20'27"N and 80°11'27"W, immediately adjacent to the Southern Beltway (SR 576) and a proposed road connecting T-842 (Cecil-Sturgeon Road) and SR 1001 (Reissing Road) in the Township of South Fayette, Allegheny County, Pennsylvania.

A meeting with the PTC, the Municipal Authority of the Township of South Fayette (MATSF), and Cecil Township Municipal Authority was held on September 27, 2016 to discuss the connection of the proposed maintenance site to an existing sanitary line. Three different routing alternatives were considered at the meeting (see attached "Conceptual Sanitary Options Maintenance Site Utility Map"). The third alternative (green) was preferred by all parties. This alternative consists of a sewer line extension from an existing MATSF collector sewer on Cecil-Sturgeon Road and continues along Cecil-Sturgeon Road to the limits of the PTC limited access right-of-way for the Southern Beltway (SR 576). The sewer extension continues along the Southern Beltway (SR 576) to the proposed maintenance facility. This alternative is located entirely within the Township of South Fayette and Allegheny County.

The MATSF collector sewer on Cecil-Sturgeon Road discharges to the MATSF Miller's Run Trunk Sewer, and to the MATSF Chartiers Creek Interceptor and MATSF Chartiers Creek Pump Station. The MATSF Chartiers Creek Pump Station conveys wastewater to ALCOSAN Point of Connection (POC) C54-16 located on the ALCOSAN Chartiers Creek Interceptor. Treatment will take place at the ALCOSAN Wood Run Regional Treatment Center. Effluent limitations are met via the municipal wastewater treatment plant. Eighteen (18) EDU's will be handled by the disposal method. Total flow is 7,200 gallons per day. This is a long term solution (beyond 5 years).

The area surrounding the proposed project and proposed sewer line extension is sparsely populated with residential dwellings. Future development is not anticipated.

Municipal wastewater collection, conveyance, and treatment are a preferred option to any other alternatives. On-site disposal or an individual wastewater treatment plant are not considered viable or cost effective alternatives for this project.

A non-municipal sewage treatment facility is not proposed; therefore, a sewage management program is not required as all facilities are owned and maintained by municipalities or authorities.

MATSF will be responsible for the maintenance of the sewer extension along T-842 (Cecil-Sturgeon Road) to the limits of the PTC limited access right-of-way for the Southern Beltway (SR 576). The PTC will be responsible for the sewer extension within the limits of the PTC limited access right-of-way for the Southern Beltway (SR 576). The Miller's Run Trunk Sewer, MATSF Chartiers Creek Interceptor, and Chartiers Creek Pump Station are all owned and maintained by MATSF. The ALCOSAN Chartiers Creek Interceptor, and Wood Run Regional Treatment Center are all owned and maintained by ALCOSAN.



MUNICIPAL AUTHORITY
TOWNSHIP OF SOUTH FAYETTE

J. Joseph Duchess, Chairman
Charles L. Rothermel, Vice-Chairman
C. Kenneth Chambon, Secretary
Robert Zedreck, Treasurer
George Lubic, Assistant Secretary Treasurer

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www.matsf.net

February 15, 2017

Mr. Bryce Miller, P.E.
WSP-Parsons Brinckerhoff
Four Gateway Center, Suite 1305
Pittsburgh, PA 15222

Subject: Southern Beltway 55C1-1 Maintenance Building Planning Module

Dear Mr. Miller:

We are in receipt of your Planning Module Component 3 for the above-referenced proposed Pa Turnpike Maintenance Facility to be constructed as part of the Southern Beltway Project. The project will involve a sewer extension in the vicinity of Cecil Sturgeon Road to which you have already provided MATSF with preliminary design drawings. In addition to serving the proposed maintenance facility, the proposed sanitary sewer extension will allow for the connection of 3 existing homes along Cecil Sturgeon Road which are presently served by septic systems. You project 6,000 gpd from the maintenance facility plus 1,200 gpd for the 3 existing homes, for a total planning module approval request of 7,200 gpd. Wastewater will be conveyed via the Millers Run trunk sewer to MATSF's Chartiers Creek Pump Station. It is then pumped to ALCOSAN's Chartiers Creek Interceptor at POC C54-16. Ultimately, the flow will be treated at ALCOSAN's Woods Run regional treatment facility.

MATSF has sufficient capacity within its sanitary sewer collection system and at the Chartiers Creek Pump Station for all conditions except extremely unusual precipitation events. The pump station occasionally receives peak hourly flow during storm events greater than 1" that does not result in an SSO event, but is in excess of the design capacity of the pump station (6.0 MGD). During these periods, the 3rd pump at the facility automatically comes on line and allows for a peak discharge rate of up to 7.6 MGD. Under certain occurrences, the Authority has experienced system overflow at the Chartiers Creek Pump Station. There were only 2 SSO events between the period November 2010 and present. MATSF provides reports on these events to both ACHD and PaDEP. MATSF also reports on similar occurrences within their annual wasteload management report.

Since wet weather capacity related events are infrequent and since the Authority takes steps to minimize the frequency and impact of the system back-ups, the proposed 7,200 gpd will not have an adverse impact on the MATSF system.

MATSF executed ACHD Administrative Consent Orders in January 2004, and more recently, in December 2015 executed a Phase I Consent Order and Agreement (COA) with ACHD. In doing so, the Authority is given a greater level of control with respect to adding customers to the system. Even so, all new subdivisions still must go through the planning module approval process. MATSF has historically aggressively complied with all terms called out in the 2004 ACO and the 2015 Phase I COA and has undertaken several initiatives necessary to preserve collection system capacity. To comply with the 2015 COA, a flow reduction demonstration project is scheduled to be implemented in the upper portion of the

Millers Run Trunk Sewer in 2016 with an estimated cost of \$280,000. In addition, MATSF is actively involved in regional efforts in conjunction with ALCOSAN and 3RWW with respect to multi-municipal trunk sewer transfer to ALCOSAN and establishment of regional source flow reduction targets.

Some of the most recent significant events that have had a beneficial impact on preserving system capacity and reducing the frequency of SSO's include:

- The old combined sewer system from the former Mayview State Hospital was disconnected from the MATSF system. Final work in this regard was completed in July 2011. That property was sold and is no longer occupied, but is in the early stages of being redeveloped. Any redevelopment will require installation of new sanitary sewers. The old combined system now conveys storm sewage only. Elimination of the Mayview combined system had the impact of reducing the peak flow rate to the MATSF system by up to 800,000 gallons/day.
- Installation of an emergency overflow connection between the MATSF system and the ALCOSAN system (C54-20). This connection was approved by ALCOSAN and utilizes an existing 12" siphon under Chartiers Creek (just upstream from the Chartiers Creek pump station) that served the former Reichold property. That emergency overflow was put in operation in September 2011. Since then, it has only been used on one occasion to convey wet weather flow, for a period of approximately 5 hours.
- Continued mandatory time of sale inspection of private lateral sewers (that commenced in 2007) along with the purchase of Aries truck mounted sewer televising equipment in late 2009 that allows for both main sewer inspection and lateral inspection via access from the sewer main. Also, in 2014, MATSF initiated an area-wide lateral inspection program that is not related to the sale/transfer of property, with the initial targeted area being the Millers Run subsystem.
- In 2016, purchase and installation of 5 HACH flow meters placed at semi-permanent trunk sewer locations within the MATSF Chartiers Creek system. These meters are accessible via HACH's web interface that allows for essentially real time access. The meters also have alarm capabilities for surcharging and other selected parameters.

The Planning Module Resolution must be executed by South Fayette Township. You must submit a copy of the Planning Module along with this letter to ALCOSAN in order to obtain a letter for their conveyance and treatment capacity. Comments also are required from ACHD. The completed package must be submitted to Mr. Thomas Flanagan at PaDEP for final approval. This procedure is not considered complete until PaDEP has provided written approval.

Please don't hesitate to contact me should you have any questions on this information.

Sincerely,

**THE MUNICIPAL AUTHORITY OF
THE TOWNSHIP OF SOUTH FAYETTE**



**Jerry D. Brown
Managing Director**

CC: South Fayette Township



Members of the Board

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Chairperson

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Jack Shea

Rep. Harry Readshaw

John Weinstein

Corey O'Connor

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*Director
Finance & Administration*

Jan M. Oliver
*Director
Regional Conveyance*

Douglas A. Jackson, P.E.
*Director
Operations & Maintenance*

Jeanne K. Clark
Public Information Officer

May 5, 2017

Bryce J. Miller, P.E.
WSP Parsons, Brinckerhoff, Inc
Four Gateway Center, Suite 1305
Pittsburgh, PA 15222

**Re: Southern Beltway Section, Proposed Maintenance Facility
South Fayette Township, Allegheny County
ALCOSAN Interceptor Manhole C-54-16**

Dear Mr. Miller:

We have reviewed the planning module for the referenced project to be located in the Township of South Fayette. The project will generate 7,200 gpd in the ALCOSAN Chartiers Creek Interceptor and at the Treatment Plant.

The Chartiers Creek Interceptor capacity at that location is approximately 15.05 mgd. The estimated peak dry weather flow is approximately 6.28 mgd. Dry weather capacity exists for this connection. However, the ALCOSAN Chartiers Creek Interceptor and the Treatment Plant do not have the capacity for the flows generated during wet weather periods. This limitation will be addressed as ALCOSAN implements its wet weather facilities plan.

ALCOSAN requests that this letter be made part of the planning module submission. The signed Component 3 Planning Module is attached. The sewers in this project are to be designed as separated sanitary and storm sewers. If you have any questions regarding this matter, please contact me at 412-732-8004.

Sincerely,

ALLEGHENY COUNTY SANITARY AUTHORITY

Michael Lichte, P.E.
Manager of Planning

attachment

cc: F. Fields (w/o attachment)
D. Thornton (w/o attachment)
Jerry Brown, MATSF (w/o attachment)
T. Flanagan/PaDEP (w/o attachment)
M. Scheer/ACHD (w/o attachment)