

April 11, 2022

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Andrea Ketzel  
City of Pittsburgh -DPW  
414 Grant Street,  
Pittsburgh, PA 15219

**Re: Arsenal Park Phase I  
City of Pittsburgh– Allegheny County  
PA DEP Sewage Facilities Planning Module  
ALCOSAN Regulator Structure A-27-00**

Dear Ms. Ketzel:

We have reviewed the Component 3 Planning Module for the referenced project to be located along 40<sup>th</sup> Street in the City of Pittsburgh. The project will generate a peak flow of 25,850 gpd in the ALCOSAN Allegheny River Interceptor and Woods Run Treatment Plant.

The capacity at the A-27-00 Regulator Structure is approximately 2.42 MGD. The estimated peak dry weather flow is approximately 0.335 MGD. Dry weather capacity exists for this connection. However, the Allegheny River Interceptor and the Woods Run Treatment Plant do not have the capacity for the flows generated during wet weather periods. This limitation will be addressed as ALCOSAN implements its Clean Water 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 412-734-8735.

Sincerely,

**ALLEGHENY COUNTY SANITARY AUTHORITY**

Joe Fedor

**Attachment**

cc: C. Dean (w/o attachment) Barry King/PWSA (w/o attachment)  
D. Thornton (w/o attachment) Thomas Flanagan/PADEP (w/o attachment)  
M. Lichte (w/o attachment) Fred Fields/ACHD (w/o attachment)

**THE ALLEGHENY COUNTY SANITARY AUTHORITY REGIONAL  
CONVEYANCE DIVISION**

**Attachment A**

**Administrative Checklist for ALCOSAN Planning Review**

The following is a list of items that are to be completed or included with the submittal for ALCOSAN planning review. Failure to provide all of the requested information will result in the rejection and return of the planning package.

Applicant Name:	Alen Gusa – Sci-Tek Consultants, Inc.	
Name of Land Development and Address:	Arsenal Park Phase I Design: “Lower Arsenal Park Improvements”	
	254 40 <sup>th</sup> Street, Pittsburgh, PA 15201	
Applicant Phone Number:	412-517-2821	
		Check if Incomplete
<input checked="" type="checkbox"/>	Full Size Utility Drawing(s) Showing Location(s) of Sanitary Sewer Tap-In	
<input checked="" type="checkbox"/>	USGS Site Location Map	
	Insufficient Information About Proposed Sewers and Existing Sewers to be Abandoned	
DEP Component 3 Sewage Planning Module Sections		
<input checked="" type="checkbox"/>	Sections A through F – Completely Filled Out	
<input checked="" type="checkbox"/>	Section J – Projected Flows w/ Completed Table and Municipal Signatures	
<input checked="" type="checkbox"/>	Section Q – Signed False Swearing Statement	

*Joe Leder*  
\_\_\_\_\_  
Reviewer Signature

\_\_\_\_\_  
Date

**RECEIVED**  
9/15/22



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

## 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)

1. Project Name Arsenal Park Phase I Design: "Lower Arsenal Park Improvements"
2. Brief Project Description The City of Pittsburgh Department of Public Works proposes to make improvements to the Arsenal Park with the addition of playgrounds for various age groups, spray features, observation mound, hill slide and climbing area, restroom with arbor and accessible entrance from the 39th Street. The site currently consists of the basketball court, roller hockey court, grass area, and a baseball field.

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

Municipality Name	County	City	Boro	Twp
City of Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Ketzel	Andrea			Senior Landscape Architect

Additional Individual Last Name	First Name	MI	Suffix	Title

Municipality Mailing Address Line 1	Mailing Address Line 2
City of Pittsburgh, Department of Public Works	414 Grant Street, Room 301

Address Last Line -- City	State	ZIP+4
Pittsburgh	PA	15219

Area Code + Phone + Ext.	FAX (optional)	Email (optional)
412-552-4396		andrea.ketzel@pittsburghpa.gov

**C. SITE INFORMATION** (See Section C of instructions)

**Site (Land Development or Project) Name**

Arsenal Park Phase I Design: "Lower Arsenal Park Improvements"

Site Location Line 1  
254 40<sup>th</sup> Street

Site Location Line 2

Site Location Last Line -- City	State	ZIP+4	Latitude	Longitude
Pittsburgh	PA	15201	40.46683	-79.96205

Detailed Written Directions to Site Site is located on a lot # 0049-K-00061-0000-00, located between the 39th and 40th Street in the Lawrenceville neighborhood of the City of Pittsburgh. Site is adjacent to the Arsenal Middle School, and approximately 0.20 miles north-west from the Penn Ave.

Description of Site The City of Pittsburgh Department of Public Works proposes to make improvements to the Arsenal Park with the addition of playgrounds for various age groups, spray features, observation mound, hill slide and climbing area, restroom with arbor and accessible entrance from the 39th Street. The site currently consists of the basketball court, roller hockey court, grass area, and a baseball field. The existing property is located at 254 40<sup>th</sup> Street in the City of Pittsburgh, Allegheny County, Pennsylvania, in the Lawrenceville neighborhood.

**Site Contact (Developer/Owner)**

Last Name	First Name	MI	Suffix	Phone	Ext.
Ketzel	Andrea			412-552-4396	

Site Contact Title	Site Contact Firm (if none, leave blank)
Senior Landscape Architect	City of Pittsburgh, Department of Public Works

FAX	Email
	andrea.ketzel@pittsburghpa.gov

Mailing Address Line 1	Mailing Address Line 2
City of Pittsburgh, Department of Public Works	414 Grant Street, Room 301

Mailing Address Last Line -- City	State	ZIP+4
Pittsburgh	PA	15219

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

Last Name	First Name	MI	Suffix
Gusa	Alen		Ph.D.

Title	Consulting Firm Name
Civil Associate	Sci-Tek Consultants, Inc.

Mailing Address Line 1	Mailing Address Line 2
655 Rodi Road	Suite 303

Address Last Line -- City	State	ZIP+4	Country
Pittsburgh	PA	15235	USA

Email	Area Code + Phone	Ext.	Area Code + FAX
agusa@scitekanswers.com	412-517-2821		

**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: The Pittsburgh Water and Sewer Authority (PSWSA)

**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 64.625

Connections 1

Name of:

existing collection or conveyance system Lodi Way - 18" VCP

owner The Pittsburgh Water and Sewer Authority (PSWSA)

existing interceptor Combined Sewer along Allegheny River

owner The Allegheny County Sanitary Authority (ALCOSAN)

**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 Wastewater Treatment Facility

NPDES Permit Number for existing facility PA 0025984

Clean Streams Law Permit Number PAG 136110

Location of discharge point for a new facility. Latitude 40°28'34" N Longitude 80°02'44" W

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 JOE Fedor

Agent Signature Joe Fedor Date 4/11/22

(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](http://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](http://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 AG

**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 25,850 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
<b>Collection</b>	1,856,742	6,498,596	87,526	99,673	37,657	131,799
<b>Conveyance</b>		<u>2,420,000</u>	<u>282,000</u>	<u>335,000</u>	<u>337,000</u>	<u>391,000</u>
<b>Treatment</b>		<u>250,000,000</u>	<u>191,500,000</u>	<u>250,000,000</u>	<u>228,342,000</u>	<u>295,000,000</u>

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?

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 PWSA

Name of Responsible Agent Robert Herring, PE, PMP

Agent Signature *Robert Herring* Robert Herring Date 3/17/2022

2022-03-17 13:28:21 -04'00'

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

c. Conveyance System

Name of Agency, Authority, Municipality ALCOSAN

Name of Responsible Agent Joe Fedor

Agent Signature Joe Fedor

Date 4/11/22

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 Joe Fedor

Agent Signature Joe Fedor

Date 4/11/22

**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.

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**P. PUBLIC NOTIFICATION REQUIREMENT** (See Section P of instructions)

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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.

Jason Baguet, P.E.

Name (Print)

*Jason Baguet*  
Signature

Project Manager

3/10/2022

Title

Date

655 Rodi Road, Suite 303, Pittsburgh, PA 15235

412-371-4460

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 \$\_\_\_\_\_ 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)

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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.

$$\# \underline{\hspace{2cm}} \text{ Lots (or EDUs)} \times \$50.00 = \$ \underline{\hspace{2cm}}$$

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)

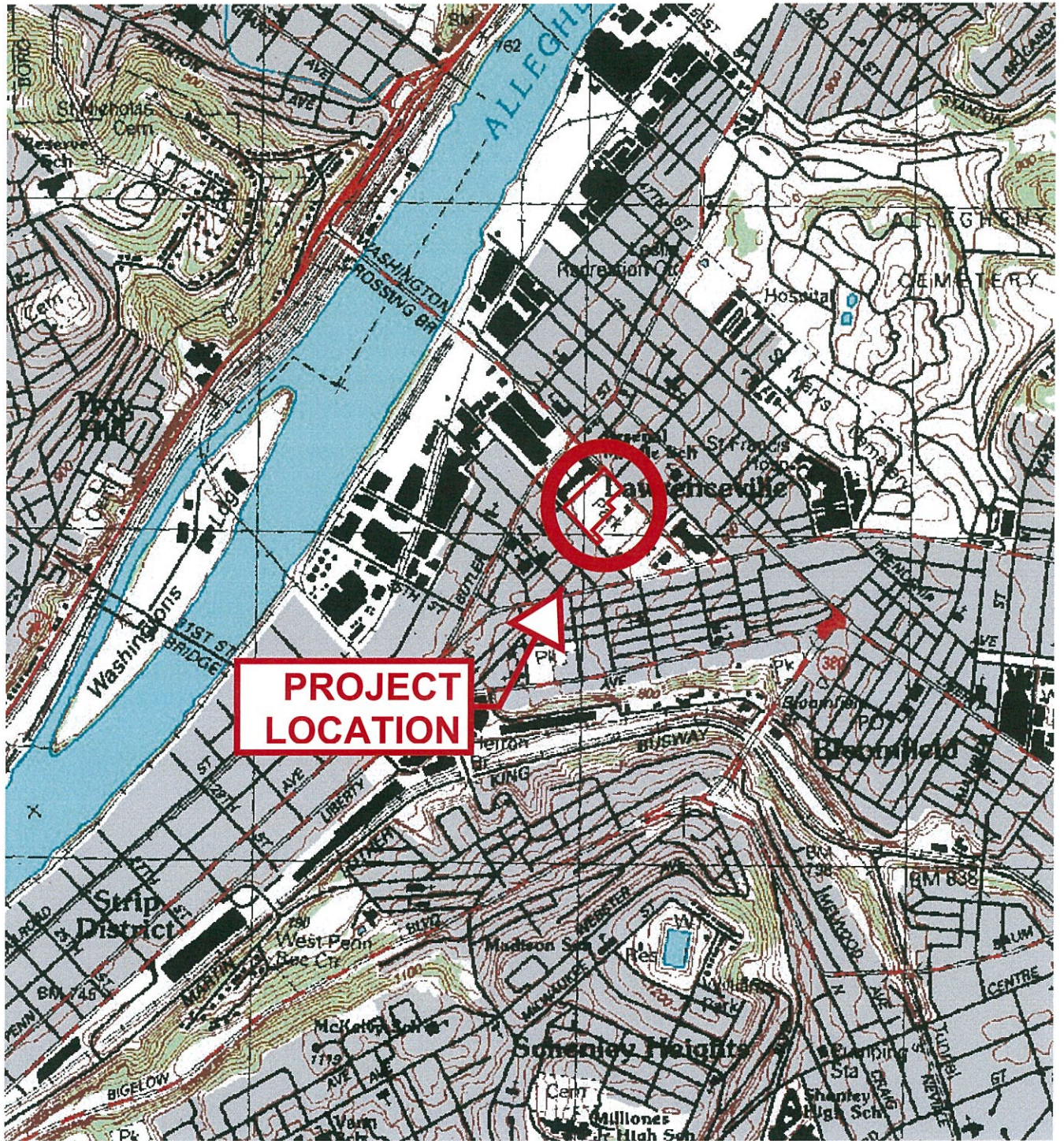
- B. An increase in an existing surface discharge will use:

$$\# \underline{\hspace{2cm}} \text{ Lots (or EDUs)} \times \$35.00 = \$ \underline{\hspace{2cm}}$$


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)



**EXHIBIT 1**  
**SITE LOCATION MAP**

 655 Rodi Road, Suite 303 Pittsburgh, PA 15235 P: 412-371-4460 F: 412-371-4462	<b>ARSENAL PARK PHASE I DESIGN:</b> <b>“Lower Arsenal Park Improvements”</b>	Proj. No.: 19-927
	<b>City of Pittsburgh</b> Pittsburgh Allegheny County, Pennsylvania	Scale: As Shown
		Date: 11-11-2021
		DWN By: AG
		CHK By: JRS

**Project Narrative**  
**Arsenal Park Phase I Design: “Lower Arsenal Park Improvements”**

**254 40<sup>th</sup> Street**  
**Pittsburgh, PA 15201**

The City of Pittsburgh Department of Public Works proposes to make improvements to the Arsenal Park with the addition of playgrounds for various age groups, spray features, observation mound, hill slide and climbing area, restroom with arbor, grassy areas, and accessible entrance from the 39<sup>th</sup> Street. The proposed improvements include the removal of the existing basketball court, roller hockey court, a part of the baseball field and playgrounds in the mall area. The existing property is located at 254 40<sup>th</sup> Street in the City of Pittsburgh, Allegheny County, Pennsylvania, in the Lawrenceville neighborhood. This project is a Publicly Funded Renovation. Total acreage of the proposed land development project is 3.26 acres. Total disturbed area is 1.36 acres.

The site currently consists of the basketball court, roller hockey court, grass area, and a baseball field. Once developed, the site will consist of the aforementioned proposed features. The project location is shown in Figure 1.



**Figure 1. Google Earth View of Project Location**

Proposed sewage flow is 25,850 gpd. The number of EDUs is 64.625, calculated by dividing the



proposed sewage flow by 400 (i.e., single dwelling unit generates a minimum of 400 gallons per day). Please see the attached **Flow Calculations** for more details.

Sanitary pipe from a proposed water fountain, 4" in size, will be connected with a 6" sanitary pipe from the proposed restroom. Sanitary pipes from the proposed spray park and the restroom, both 6" in size, will be connected in a sanitary manhole near the restroom arbor and connected to the combined sewer located in 39<sup>th</sup> Street.

Stormwater will be managed using three (3) rain gardens with outflow structures. Multiple inlets/catch basins will be located throughout the site to collect the remainder of the stormwater. Stormwater pipes will be connected in a manhole and directed to the edge of the property close to 39<sup>th</sup> Street.

The 8" stormwater pipe will merge with the 6" sanitary sewer from the site at the edge of the property and connect to the 15" combined sewer located in 39<sup>th</sup> Street. Combined sewer from the 39<sup>th</sup> Street will eventually merge with 60" ALCOSAN interceptor near the Allegheny Valley Railroad (see the attached **39<sup>th</sup> Street Sewer Map**).

Flow measurements at Lodi Way combined sewer, manhole MH049E005, were requested by the PWSA on October 10<sup>th</sup>, 2021, as this was designated as the location of the most limited capacity sewer (MLCS). 30-day flow monitoring was performed from December 18<sup>th</sup>, 2021, to January 16<sup>th</sup>, 2022. Combined sewer at Lodi Way is an 18" VCP pipe. Present flows, average and peak, are determined using the obtained 30-day flow monitoring data (see **Hydraulic Calculations with Attachments**).

The existing sewer slope at Lodi Way (MLCS) was provided by the PWSA on October 10<sup>th</sup>, 2021 as a part of Water and Sewer Use Application Approval.

Water lines for the proposed restroom and spray park will be connected to the existing 2" water line in the park.

Refer to the attached **Utility Site Plan** drawing for specifics.

# Planning Module Calculations

10/14/2021

Restroom Bldg	Visitors/Day	GPM/Visitor	Peak Gal/Day
Drinking Fountain	200	0.5	100
Restroom	200	5	1,000
<b>Subtotal Restroom Building</b>			<b>1,100</b>

Spray Park*	Gal/Min from Spray Equip. Manufacturer	Peak Activations per Hr @ 90 Sec/Activation	Daily No. Hours Spray Park is Open	Peak Gal/Day
Subtotal Spray Park	55	30	10	24,750

**Total Peak Flows per Day**

25,850

\* Hours 10 am 8 pm, May to Labor Day

# 39TH ST ( SEWER MAP)



## Legend

- |                           |                      |                            |
|---------------------------|----------------------|----------------------------|
| ● Meter                   | ○ Water Manhole      | ■ Outfall                  |
| ⊠ Pump                    | — Rising Main        | ◆ End Cap                  |
| ⊕ Hydrant                 | — Supply Main        | ■ Sewer Pump Station       |
| ⊕ Hydrant- Out of Service | — Transmission Main  | → Combined Sewer           |
| ⊗ System Valve            | — Distribution Main  | → Sanitary Sewer           |
| ⊗ Dividing Pressure Valve | — Hydrant Branch     | → Storm Sewer              |
| □ Cap                     | — Private Main       | → Regulated Combined Sewer |
| ⊕ Tee or Cross            | — Water Service Line | → Overflow Sewer           |
| ⊕ Reducer                 | ● Manhole            | → Interceptor              |
| — Coupling                | ● Junction           | → Sewer Force Main         |
| ⊕ Wash Out                | □ Private Inlet      | → Private Sewer            |
|                           |                      | → Undefined Sewer          |



Neither the City of Pittsburgh nor the PWSA guarantees the accuracy of any of the information hereby made available, including but not limited to information concerning the location and condition of underground structures, and neither assumes any responsibility for any conclusions or interpretations made on the basis of such information. COP and PWSA assume no responsibility for any understanding or representations made by their agents or employees unless such understanding or representations are expressly set forth in a duly authorized written document, and such document expressly provides that responsibility therefore is assumed by the City or the PWSA.

Date: 8/12/2019



March 18, 2022

Alen Gusa, Ph.D., EIT  
Sci-Tek Consultants, Inc.  
655 Rodi Road  
Pittsburgh, PA 15235

Subject: Sewage Facilities Planning Module (SFPM)  
Approval for Collection System Flows  
Project Name: 254 40<sup>th</sup> Street (Project)  
PWSA Project No.: 20014.99

Dear Alen,

Pursuant to your request, we have reviewed the SFPM and determined that the Project will not create a dry-weather hydraulic overload within the next five (5) years for any collection facility owned by the Pittsburgh Water and Sewer Authority (PWSA). We have enclosed for your use the electronically signed "Section J – Chapter 94 Consistency Determination". Please be advised that this approval is limited to the collection system portion of the SFPM.

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly at x5523 or SConnell@pgh2o.com.

Sincerely,

A handwritten signature in blue ink that reads 'Shannon Connell'.

Shannon Connell, EIT  
Engineer III

Enclosures

cc: Barry King, P.E. – PWSA (via email)  
Kate Mechler, P.E. – PWSA (via email)  
Robert Herring, P.E. – PWSA (via email)  
Thomas Flanagan – DEP (via email)  
eBuilder – Filing System (via email)



**To:** Barry King, PE, PMP - Director of Engineering and Construction

**From:** Shannon Connell, EIT

**Cc:** Robert Herring, PE, PMP; e-Builder

**Date:** March 16, 2022

**Subject:** Department of Environmental Protection (DEP) - Sewage Facilities  
Planning Module (SFPM)

Chapter 94 Consistency Determination

Project Name: 254 40<sup>th</sup> Street (Project)

Project Address: 254 40<sup>th</sup> Street, Pittsburgh, PA 15201

PWSA Project Number: 20014.99

The Pittsburgh Water and Sewer Authority (PWSA) received a SFPM application for the aforementioned Project. In accordance with Title 25 of the Pennsylvania Code, the PWSA is required to prepare an annual Wasteload Management Report on the collection and conveyance of wastewater relative to available capacity. Our review of the SFPM was conducted to understand how the Project will impact available dry-weather capacity and whether the proposed flows will contribute to a dry-weather hydraulic overload within the next five (5) years. Please note that a dry-weather hydraulic overload shall require both the denial of the SFPM and the submission of a Corrective Action Plan to the DEP.

We have determined that the Project will not contribute to a dry-weather hydraulic overload within the next five years. Please refer to the enclosed hydraulic calculations for additional information. Upon your approval, please sign and return the enclosed "Section J - Chapter 94 Consistency Determination" page from the SFPM.

Our review was based on information provided by others under the assumption that this information was accurate and complete. Should you have any questions, please do not hesitate to contact me directly.

Enclosures

**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 25,850 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
<b>Collection</b>	1,856,742	6,498,596	87,526	99,673	37,657	131,799
<b>Conveyance</b>						
<b>Treatment</b>						

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.  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 PWSA

Name of Responsible Agent Robert Herring, PE, PMP

Agent Signature *Robert Herring* Robert Herring Date 3/17/2022

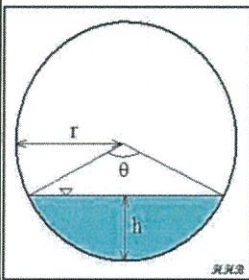
2022.03.17 13:28:21 -04'00'

**Sewage Facilities Planning Module**  
**Chapter 94 Consistency Determination**  
**Hydraulic Calculations Spreadsheet for Flow Monitoring Measurements**

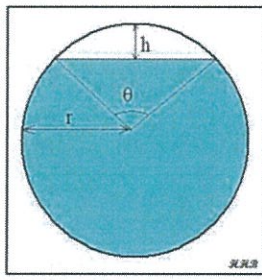
**PROJECT NAME:** 254 40th Street  
**PWSA PROJECT NUMBER:** 20014.99  
**PWSA REVIEWER:** Shannon Connell, EIT  
**DATE:** March 16, 2022

**LEGEND:** Input Data Output Data

**Section A: Manning Equation for Partially Filled Pipes**



Partially Full Pipe Flow Parameters  
(Less Than Half Full)



Partially Full Pipe Flow Parameters  
(More Than Half Full)

Variable	Units	Description
Q	ft <sup>3</sup>	Volumetric flowrate
n	Unitless	Manning Roughness Coeff.
A	ft <sup>2</sup>	Cross-Sectional Area of Flow
R	ft	Hydraulic Radius
S	ft/ft	Slope of Hydraulic Grade Line
P	ft	Wetted Perimeter of "A"
r	ft	Radius
h	ft	Depth of Flow or Headspace
θ	radians	Central Angle

$$Q = \left(\frac{1.49}{n}\right) \times A \times R^{2/3} \times S^{1/2}$$

$$R = \frac{A}{P}$$

$$\theta = 2 \times \cos^{-1} \left( \frac{r-h}{r} \right)$$

$$A_{<50\% \text{ Full}} = \frac{r^2(\theta - \sin \theta)}{2}$$

OR

$$A_{>50\% \text{ Full}} = \pi \times r^2 \times \frac{r^2(\theta - \sin \theta)}{2}$$

$$P_{<50\% \text{ Full}} = r \times \theta$$

$$P_{>50\% \text{ Full}} = (2 \times \pi \times r) - (r \times \theta)$$

**Section B: Data for Calculations**

Peaking Factor, P.F.	
Sanitary Sewers	3
Combined Sewers	3.5

Proposed Project Flows		
Variable	Value	Units
Q <sub>p</sub>	25,850	gpd

Variable	Value	Units
Material	VCP	
n	0.015	unitless
S	0.012	ft/ft
h	1.500	ft
D	1.50	ft
P.F.	3.5	unitless

**Section C: Calculations for Design and/or Permitted Capacities**

Variable	Description	Definition
$Q_{d, avg}$	Design Capacity, Average	= full pipe flow conditions / peaking factor
$Q_{d, peak}$	Design Capacity, Peak	full pipe flow conditions

Design Capacity, Average		
Variable	Value	Unit
$Q_{d, avg}$	1,854,208	gpd

Design Capacity, Peak		
Variable	Value	Unit
D	1.500	ft
r	0.750	ft
A	1.767	ft <sup>2</sup>
P	4.712	ft
R	0.375	ft
$Q_{d, peak}$	10	cfs
$Q_{d, peak}$	6,489,727	gpd

#### Section D: Calculations for Present Flows

Variable	Description	Definition
$Q_{ex, avg}$	Present Flows, Average	determined via flow monitoring data
$Q_{ex, peak}$	Present Flows, Peak	determined via flow monitoring data

Present Flows, Average		
Variable	Value	Unit
$Q_{ex, avg}$	87,527	gpd

Present Flows, Peak		
Variable	Value	Unit
$Q_{ex, peak}$	99,673	gpd

#### Section E: Calculations for Projected Flows in Five (5) Years

Variable	Description	Definition
$Q_{proj, avg}$	Projected Flows in Five (5) Years, Average	= $Q_{proj, peak} \div P.F.$
$Q_{proj, peak}$	Projected Flows in Five (5) Years, Peak	= $(Q_{ex, peak} + Q_p) \times 1.05$

Projected Flow Calculations		
Variable	Value	Unit
$Q_{proj, avg}$	37,657	gpd
$Q_{proj, peak}$	131,799	gpd

#### Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
$Q_{d, avg}$	1,854,208	1,856,735	-2,527	0%
$Q_{d, peak}$	6,489,727	6,498,571	-8,844	0%
$Q_{ex, avg}$	87,527	87,527	0	0%
$Q_{ex, peak}$	99,673	99,673	0	0%
$Q_{proj, avg}$	37,657	37,657	0	0%
$Q_{proj, peak}$	131,799	131,799	0	0%





## INSTRUCTIONS FOR COMPLETING COMPONENT 4A MUNICIPAL PLANNING AGENCY REVIEW

*Remove and recycle these instructions prior to mailing component to the approving agency.*

### Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

### Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

### *Instructions for Completing Planning Agency and/or Health Department Review Component*

#### **Section A. Project Name**

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 2m, 3, 3s or 3m).

#### **Section B. Review Schedule**

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

#### **Section C. Agency Review**

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
2. Complete the name, title, and signature block.

#### **Section D. Additional Comments**

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.



DEP Code #: \_\_\_\_\_

**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  
Arsenal Park Phase I

**SECTION B. REVIEW SCHEDULE** (See Section B of instructions)

1. Date plan received by municipal planning agency 4/28/2022
2. Date review completed by agency 5/5/2022

**SECTION C. AGENCY REVIEW** (See Section C of instructions)

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i> )?
<input type="checkbox"/>	N/A <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 checked="" type="checkbox"/>	<input 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?<br>If no, describe the inconsistencies _____   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 14. Is this plan consistent with the municipal Official Sewage Facilities Plan?<br>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?<br>If yes, describe _____ |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?                                 |
| <input type="checkbox"/>            | <input type="checkbox"/>            | If yes, is the proposed waiver consistent with applicable ordinances?<br>If no, describe the inconsistencies<br>_____                                      |

17. Name, title and signature of planning agency staff member completing this section:  
 Name: Kyla Prendergast  
 Title: Senior Environmental Planner  
 Signature: *Kyla Prendergast*  
 Date: 5/5/2022  
 Name of Municipal Planning Agency: Pittsburgh Department of City Planning  
 Address 200 Ross St, 4<sup>th</sup> Floor, Pittsburgh, PA 15219  
 Telephone Number: 412-255-2516

**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.

COUNTY OF



ALLEGHENY

RICH FITZGERALD  
COUNTY EXECUTIVE

April 27, 2022

Alen Gasa, Ph.D., E.I.T  
SciTek Consultants, Inc.  
655 Rodi Road, Suite 303  
Pittsburgh, PA 15235

**RE: SEWAGE FACILITIES PLANNING MODULE; ALLEGHENY COUNTY  
Arsenal Park Phase I, City of Pittsburgh**

Dear Mr. Gasa:

Enclosed is a signed copy of Component 4C, County or Joint County Health Department Review, for the above-referenced development. This Planning Module Component was received on April 26, 2022. The project proposes the following:

Alen Gasa, Ph.D., E.I.T

Project Description:	Arsenal Park Phase I. Proposing to make improvements to the Arsenal Park with the addition of playgrounds, spray features, observation mound, hill slide, climbing area, restroom with arbor, grassy areas, accessible entrance, removal of the existing basketball court, roller hockey court, a part of the baseball field and playground in the mall area located in the City of Pittsburgh, Allegheny County.
Sewage Flow:	25,850 GPD
Conveyance:	The flow from this site will be conveyed to the Pittsburgh Water and Sewer Authority (PWSA) collection system to the ALCOSAN POC A-27 to the Allegheny River Interceptor and then to the ALCOSAN Treatment Plant at Woods Run.
Sewer's Owner:	PWSA (collection) and ALCOSAN (interceptor)
Name of Sewage Treatment Plant:	ALCOSAN.

Please be advised that a permit must be obtained from the Allegheny County Health Department's (ACHD) Plumbing Section prior to commencing any plumbing work for the proposed project. Plumbing work for which an ACHD Plumbing Permit must be obtained includes any plumbing work done on the site and any sewers, which will not be owned and operated by a municipality or a sewer authority.



DEBRA BOGEN, MD, FAAP, FABM, DIRECTOR  
ALLEGHENY COUNTY HEALTH DEPARTMENT

**WATER POLLUTION CONTROL & SOLID WASTE MANAGEMENT**  
3901 PENN AVENUE • BUILDING 5 • PITTSBURGH, PA 15224-1318  
PHONE: 412.578.8040 • FAX: 412.578.8053  
WWW.ALLEGHENYCOUNTY.US/HEALTHDEPARTMENT

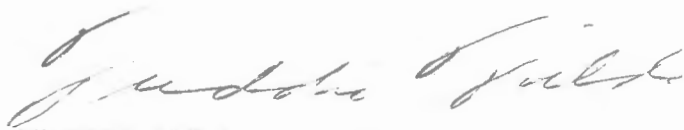


Mr. Alen Gasa, Ph.D., E.I.T  
April 27, 2022  
Page 2

In addition, it should be noted that the approval of this sewage facilities planning module does not include approval of pipe size and/or type. Approval for pipe size and/or type must be obtained by filing a specific plumbing plan with the ACHD's Plumbing Section. If you should have any questions relative to ACHD's plumbing requirements, you can contact Drew Grese, Acting Plumbing Chief at 412-578-8055.

The ACHD has no objection to the approval of this project. If you have any questions, please call me at 412-578-8046.

Sincerely,

A handwritten signature in cursive script, appearing to read "Freddie Fields".

Freddie Fields, M.B.A.  
Environmental Health Engineer III  
Water Pollution Control & Solid Waste Management

FF/cb  
Enclosure

cc: Thomas Flanagan, PA Department of Environmental Protection w/attachment (electronically)  
Drew Grese, ACHD w/attachment (electronically)



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## INSTRUCTIONS FOR COMPLETING COMPONENT 4C COUNTY OR JOINT HEALTH DEPARTMENT REVIEW

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*Remove and recycle these instructions prior to mailing component to the approving agency.*

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### Background

This component, Component 4, is used to obtain the comments of planning agencies and/or health departments having jurisdiction over the project area. It is used in conjunction with other planning module components appropriate to the characteristics of the project proposed.

### Who Should Complete the Component?

The component should be completed by any existing municipal planning agency, county planning agency, planning agency with areawide jurisdiction, and/or health department having jurisdiction over the project site. It is divided into sections to allow for convenient use by the appropriate agencies.

The project sponsor must forward copies of this component, along with supporting components and data, to the appropriate planning agency(ies) and health department(s) (if any) having jurisdiction over the development site. These agencies are responsible for responding to the questions in their respective sections of Component 4, as well as providing whatever additional comments they may wish to provide on the project plan. After the agencies have completed their review, the component will be returned to the applicant. The agencies have 60 days in which to provide comments to the applicant. If the agencies fail to comment within this 60 day period, the applicant may proceed to the next stage of the review without the comments. The use of registered mail or certified mail (return receipt requested) by the applicant when forwarding the module package to the agencies will document a date of receipt.

After receipt of the completed Component 4 from the planning agencies, or following expiration of the 60 day period without comments, the applicant must submit the entire component package to the municipality having jurisdiction over the project area for review and action. If approved by the municipality, the proposed plan, along with the municipal action, will be forwarded to the approving agency (Department of Environmental Protection or delegated local agency). The approving agency, in turn, will either approve the proposed plan, return it as incomplete, or disapprove the plan, based upon the information provided.

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### *Instructions for Completing Planning Agency and/or Health Department Review Component*

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#### **Section A. Project Name**

Enter the project name as it appears on the accompanying sewage facilities planning module component (Component 2, 2m, 3, 3s or 3m).

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#### **Section B. Review Schedule**

Enter the date the package was received by the reviewing agency, and the date that the review was completed.

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#### **Section C. Agency Review**

1. Answer the yes/no questions and provide any descriptive information necessary on the lines provided. Attach additional sheets, if necessary.
  2. Complete the name, title, and signature block.
- 

#### **Section D. Additional Comments**

The Agency may provide whatever additional comment(s) it deems necessary, as described in the form. Attach additional sheets, if necessary.

**SEWAGE FACILITIES PLANNING MODULE  
 COMPONENT 4C - COUNTY OR JOINT HEALTH DEPARTMENT 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 county or joint county health department for their comments.

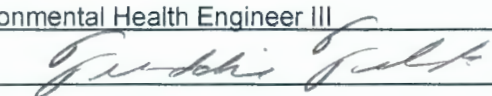
**SECTION A. PROJECT NAME** (See Section A of instructions)

Project Name  
Arsenal Park Phase I

**SECTION B. REVIEW SCHEDULE** (See Section B of instructions)

1. Date plan received by county or joint county health department April 26, 2022  
 Agency name Allegheny County Health Department (ACHD)
2. Date review completed by agency April 27, 2022

**SECTION C. AGENCY REVIEW** (See Section C of instructions)

- |                                     |                                     |   |
|-------------------------------------|-------------------------------------|---|
| Yes                                 | No                                  |   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan?<br>If no, what are the inconsistencies? _____   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 2. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?<br>If yes, describe _____   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 3. Is there any known groundwater degradation in the area of this proposal?<br>If yes, describe _____   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 4. The county or joint county health department recommendation concerning this proposed plan is as follows: <u>ACHD recommends approval. See attached letter.</u>   |
|                                     |                                     | 5. Name, title and signature of person completing this section:<br>Name: <u>Freddie Fields</u><br>Title: <u>Environmental Health Engineer III</u><br>Signature: <u></u><br>Date: <u>April 27, 2022</u><br>Name of County Health Department: <u>ACHD</u><br>Address: <u>3901 Penn Avenue, Building #5, Pittsburgh, PA 15224-1318</u><br>Telephone Number: <u>412-578-8046</u> |

**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.

**City of Pittsburgh**  
**Sewer Facilities Planning Module Questionnaire**

**PROJECT NAME: Arsenal Park Phase I Design: “Lower Arsenal Park Improvements”**

1) What was the previous permitted use for this property?

**Property was previously a public park.**

2) What is the proposed use for the property?

**The proposed use is public park.**

3) How is green stormwater mitigation being integrated into the proposed project?

**Stormwater is handled by three (3) raingardens with overflow structures near the playground area of the project. The raingardens will allow for stormwater infiltration, while overflow structures will convey excess stormwater during less frequent high precipitation events.**

4) Will the development result in a net positive or net negative change in stormwater flow?

**As a result of the aforementioned rain gardens, there is an overall negative change in stormwater discharge volumes and stormwater peak runoff rates (flow).**



**Fiscal Impact Statement**  
*Updated 1/29/2020 to satisfy City Code §219.07*

<b>Department</b>	Civil Engineering
<b>Preparer</b>	Sci-Tek Consultants, Inc. / Alen Gusa, Ph.D., EIT
<b>Standing Committee Representative</b>	Alen Gusa, Sci-Tek Consultants, Inc. 412-371-4460 (agusa@scitekanswers.com)
<b>Type of Legislation</b>	Other

**Description of Legislation**

The City of Pittsburgh, Department of Public Works has proposed the redevelopment of the parcel of land identified as Arsenal Park, 254 40<sup>th</sup> Street, Pittsburgh, Allegheny County, PA 15201, at block and lot 0049-K-00061-0000-00, in the 6<sup>th</sup> Ward of the City of Pittsburgh, Pennsylvania and described in the attached Sewage Facilities Planning Module (the "Planning Module") for land development and proposes that project be served by use of existing connections to the City of Pittsburgh sewage systems; and

The City of Pittsburgh must adopt, and applicant must submit, the Planning Module for land development to the Department of Environmental Protection for its approval, as a Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan.

<b>Total Cost</b>	\$ 0			
<b>Frequency of Expenditure</b>	<input type="checkbox"/> One-Time		<input type="checkbox"/> Multi-Year	
<b>Funding Source</b>	<input type="checkbox"/> Operating	<input type="checkbox"/> Capital	<input type="checkbox"/> Grant	<input type="checkbox"/> Trust Fund
<b>Is this item budgeted?</b>	<input type="checkbox"/> Yes		<input type="checkbox"/> No	

**JDE Account Information**

N/A

**Additional Operational Costs**

N/A

**Impact on City Revenue**

N/A

**If the resolution authorizes a professional services contract, complete this page:**

<b><i>Method of Procurement</i></b> <i>Select one.</i>	<input type="checkbox"/> RFP	<input type="checkbox"/> Signed Waiver from OMB	<input type="checkbox"/> Amendment to Existing Contract <i>Do not fill out the rest of the form.</i>
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**Name of Vendor and Award Justification**

List the name of the awarded vendor and its qualifications.

**Other Respondents**

List the other respondents. If there were none, clearly state that.

**Selection Criteria**

Describe the selection or scoring criteria.

**Selection Committee Representation**

List the department(s) or bureau(s) represented on the committee. Do not list individual names.

**Waiver Justification**

If a waiver was granted, explain the justification.

**EORC Synopsis**

Insert synopsis that was presented.

<b><i>Date Presented at EORC:</i></b> Insert date.	<input type="checkbox"/> Approved	<input type="checkbox"/> Not Approved
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*Per §219.07 of the City Code, you **must** include an electronic copy of the solicitation or your signed waiver with your submission to the Office of Management and Budget.*

**Attachments**

- *Please attach any additional documents and/or exhibits.*

Resolution No. \_\_\_\_\_

Resolution adopting Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan for the Arsenal Park, 254 40<sup>th</sup> Street, Pittsburgh, PA 15201.

**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 (the "Department") adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, requires the City of Pittsburgh to adopt an Official Sewage Facilities Plan (the "Official 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 development conforms to a comprehensive program of pollution control and water quality management; and

**WHEREAS**, The City of Pittsburgh, Department of Public Works has proposed the development at a parcel of land identified as Arsenal Park, 254 40<sup>th</sup> Street, Pittsburgh, Allegheny County, PA 15201, at block and lot 0049-K-00061-0000-00, in the 6<sup>th</sup> Ward of the City of Pittsburgh, Pennsylvania described in the attached Sewage Facilities Planning Module (the "Planning Module") for land development and proposes that project be served by a sewer tap-in to the City of Pittsburgh sewage systems; and

**WHEREAS**, the Pittsburgh Water Sewer Authority, the Allegheny County Sanitary Authority, the City of Pittsburgh Planning Department and the Allegheny County Health Department have reviewed the respective components of the attached Planning Module in regard to each authority/department's expertise and have approved the respective components as explained in the attached Planning Module.

**WHEREAS**, based upon the approval of the above authorities and departments, the City of Pittsburgh finds that the project described in the attached Planning Module for land development conforms to applicable zoning, subdivision, other municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

**BE IT RESOLVED BY THE COUNCIL OF THE CITY OF PITTSBURGH AS FOLLOWS:**

**SECTION 1.** The City of Pittsburgh hereby adopts as a Plan Revision to the City of Pittsburgh's Official Sewage Facilities Plan, the above-referenced Planning Module for land development, which is attached hereto as **Exhibit A**.

Said Planning Module includes the proposed Arsenal Park, 254 40<sup>th</sup> Street, Pittsburgh, Allegheny County, PA 15201, at block and lot 0049-K-00061-0000-00, in the 6<sup>th</sup> Ward of the City of Pittsburgh, Pennsylvania.

Finally, that any Ordinance or Resolution or part thereof conflicting with the provisions of this Resolution, is hereby repealed so far as the same affects this Resolution.

**Effective Date:** \_\_\_\_\_

**Passed in Council:** \_\_\_\_\_

**Approved:** \_\_\_\_\_

**Recorded in R.B. \_\_\_ page \_\_\_\_\_ in City Clerk's Office.**