

PLANNING MODULE

FOR

GARY J. HALL

Situate in

11th Ward, City of Pittsburgh
Allegheny County, Pennsylvania

Prepared by

KAG Engineering, Inc.
2704 Brownsville Road
Pittsburgh, PA 15227

#21-175028

December 2022

Revised May 2, 2023

NARRATIVE
AND
CALCULATIONS

 NARRATIVE

Name of Project: Gary J. Hall

Address: 107 to 109 Natchez Street Pittsburgh, PA 15211

Block & Lot Numbers: 4-F-208, 4-F-300, 4-F-301

Ward: 11th Ward

Current Use: Two lots with a single, multi-residential building that spans both lots.

Proposed Use: 3 lots – 4 single-family residential unit total

Gary J. Hall is planning to construct 2 Duplexes on Natchez Street only. There is public water and sewage available in the streets.

The Water and Sewage Usage Breakdown is as follows:

Method of Analysis

The slope, length, diameter, materials, etc. of the 18" sewer was obtained at MH004F009 by a survey crew via a tape measure and a survey rod on November 1, 2022 at approximately 2:30 AM.

The depth of flow was 0.10 feet.

Existing Sanitary Flows:

$$\begin{aligned}
 2 \text{ Single Family Dwellings} &= 2 \times 400 \text{ gpd} &&= 800 \text{ gpd} \\
 \textit{Total Existing Flow} &&&= \textit{800 gpd}
 \end{aligned}$$

Proposed Sanitary Flows:

$$\begin{aligned}
 4 \text{ Residential Units} &= 4 \times 400 \text{ gpd} &&= 1,600 \text{ gpd} \\
 \textit{Total Existing Flow} &&&= \textit{1,600 gpd}
 \end{aligned}$$

Increase in sanitary: $1,600 \text{ gpd} - 800 \text{ gpd} = 800 \text{ gpd}$

Conclusion:

The proposed sanitary flow increase is greater than the 799 gpd allowable increase so a planning module is required..

Storm Flows

Existing Impervious Area:

Building, concrete = $2,614 \text{ s.f.} \times 80\% = 2,091 \text{ s.f.}$

Proposed Impervious Area:

Building, concrete = 5,008 s.f.

2,917 s.f. increase in impervious area

Conclusion:

Stormwater management is not required because the 2,917 s.f. increase in impervious area is less than the allowable 5,000 s.f. of impervious area. In addition, the proposed earth disturbance is less than 10,000 s.f.



**TRANSMITTAL LETTER
FOR SEWAGE FACILITIES PLANNING MODULE**

DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) USE ONLY				
DEP CODE #	CLIENT ID #	SITE ID #	APS ID #	AUTH. ID #

TO: Approving Agency (DEP or delegated local agency)
Pittsburgh Water and Sewer Authority
Penn Liberty Plaza I. 1200 Penn Avenue
Pittsburgh, PA 15222

Date August 2022

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Kimberly Gales-Dunn
(Name)
Professional Engineer/Land Surveyor _____ for Gary J. Hall
(Title) *(Name)*
a subdivision, commercial, or industrial facility located in 11th Ward, City of Pittsburgh
Allegheny _____ County.
(City, Borough, Township)

Check one

(i) The planning module, as prepared and submitted by the applicant, is approved by the municipality as a proposed revision supplement for new land development to its Official Sewage Facilities Plan (Official Plan), and is adopted for submission to DEP transmitted to the delegated LA for approval in accordance with the requirements of 25 Pa. Code Chapter 71 and the *Pennsylvania Sewage Facilities Act* (35 P.S. §750),

OR

(ii) The planning module will not be approved by the municipality as a proposed revision or supplement for new land development to its Official Plan because the project described therein is unacceptable for the reason(s) checked below:

Check Boxes

- Additional studies are being performed by or on behalf of this municipality which may have an effect on the planning module as prepared and submitted by the applicant. Attached hereto is the scope of services to be performed and the time schedule for completion of said studies.
- The planning module as submitted by the applicant fails to meet limitations imposed by other laws or ordinances, officially adopted comprehensive plans and/or environmental plans (e.g., zoning, land use, 25 Pa. Code Chapter 71). Specific reference or applicable segments of such laws or plans are attached hereto.
- Other (attach additional sheet giving specifics).

Municipal Secretary: Indicate below by checking appropriate boxes which components are being transmitted to the approving agency.

- Resolution of Adoption
- Module Completeness Checklist
- 2 Individual and Community Onlot Disposal of Sewage
- 3 Sewage Collection/Treatment Facilities
- 3s Small Flow Treatment Facilities
- 4A Municipal Planning Agency Review
- 4B County Planning Agency Review
- 4C County or Joint Health Department Review

Municipal Secretary (print)

Signature

Date

Form



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 Gary J. Hall

2. Brief Project Description The plan consists of converting two (2) lots with a single, multi-residential building that spans both lots into (3) lots with four (4) single-family residential dwellings.

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

Municipality Name	County	City	Boro	Twp
11 th Ward, City of Pittsburgh	Allegheny	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Municipality Contact Individual - Last Name	First Name	MI	Suffix	Title
Pickering	Will			CEO
Additional Individual Last Name	First Name	MI	Suffix	Title
Municipality Mailing Address Line 1	Mailing Address Line 2			
PWSA-Penn-Liberty Plaza I				
Address Last Line -- City	State	ZIP+4		
Pittsburgh	PA	152222206		
Area Code + Phone + Ext.	FAX (optional)	Email (optional)		
	412-255-2423			

C. SITE INFORMATION (See Section C of instructions)

Site (Land Development or Project) Name

Gary J. Hall

Site Location Line 1
107-109 Natchez Street

Site Location Line 2

Site Location Last Line -- City	State	ZIP+4	Latitude	Longitude
Pittsburgh	PA	15211-1907	40°25'43.1"	80°00'30.8"

Detailed Written Directions to Site SW on Penn Ave, right onto 12th St., right onto Liberty Ave., straight on Grant St, left on Seventh Ave. Take the exit to I-579 S and US-19, right on P.J. McArdle Roadway, continue on Merimac St., left on Virginia Ave, right on Shiloh St, right on Southern, right on Natchez St. After traveling 0.1 miles the site will be on the left.

Description of Site Existing single, multi-residential building that spans both lots into (3) lots with four (4) single-family residential dwellings.

Site Contact (Developer/Owner)

Last Name	First Name	MI	Suffix	Phone	Ext.
Hall	Gary	J		412-498-9597	

Site Contact Title	Site Contact Firm (if none, leave blank)
Owner/Developer	

FAX	Email
	hallmed@netzero.net

Mailing Address Line 1	Mailing Address Line 2
8207 Genoa Boulevard	

Mailing Address Last Line -- City	State	ZIP+4
Bradenton	FL	34202

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

Last Name	First Name	MI	Suffix
Gales-Dunn	Kimberly	A	

Title	Consulting Firm Name
Professional Engineer/Surveyor	KAG Engineering, Inc.

Mailing Address Line 1	Mailing Address Line 2
2704 Brownsville Road	

Address Last Line -- City	State	ZIP+4	Country
Pittsburgh	PA	152272018	USA

Email	Area Code + Phone	Ext.	Area Code + FAX
jrgales.engineers@comcast.net	412-885-8885		412-885-1320

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: PWSA

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 4

Connections 4

Name of:

existing collection or conveyance system Natchez Street

owner PWSA

existing interceptor Allegheny River

owner PWSA

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 WWTP

NPDES Permit Number for existing facility 25984

Clean Streams Law Permit Number _____

Location of discharge point for a new facility. Latitude 40d28'34" Longitude 80d02'44"

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 WWTP (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 _____

(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 KAG

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 1600 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	5390477	18866670	26301	92054	28096	98337
Conveyance						
Treatment						

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 _____

Name of Responsible Agent _____

Agent Signature _____ Date _____

Most Limited Capacity Sewer (MLCS) Spreadsheet

PROJECT NAME:	109 Natchez St
PWSA PROJECT NUMBER:	DEV-215-1222
PWSA REVIEWER:	Shannon Connell, EIT
DATE:	March 29, 2023

LEGEND:	Output Data
	Input Data
	Questionable Data
	Hydraulically Limited Sewer

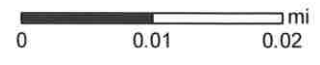
Upstream MH	Downstream MH	Upstream Invert	Downstream Invert	Length, ft	Diam., in.	Material	n	Area, sf	Wetted P, ft	Slope	Flow, gpd
JCT004K001	MH004F009	1150.83	1140.31	194.49	15	VCP	0.015	1.23	3.927	5.41%	8,438,068
MH004F009	JCT004F001	1140.31	1138.73	44.89	15	VCP	0.015	1.23	3.927	3.52%	6,806,714
JCT004F001	MH004F010	1138.73	1131.70	318.47	15	VCP	0.015	1.23	3.927	2.21%	5,390,477
MH004F010	JCT004F005	1131.70	1128.24	28.17	15	VCP	0.015	1.23	3.927	12.28%	12,715,352
JCT004F005	MH004F008	1128.24	1066.80	327.52	15	VCP	0.015	1.23	3.927	18.76%	15,714,134
MH004F008	JCT004F004	1066.80	1064.00	50.99	15	VCP	0.015	1.23	3.927	5.49%	8,501,984
JCT004F004	MH004F026	1064.00	1053.00	175.86	20	VCP	0.015	2.18	5.236	6.25%	19,541,889
MH004F026	MH004F022	1053.00	1041.80	146.75	20	VCP	0.015	2.18	5.236	7.63%	21,586,075
MH004F022	MH004B013	1041.80	1036.80	227.28	30	RCP	0.013	4.91	7.854	2.20%	39,426,000
MH004B013	MH004B011	1036.80	1030.84	116.70	30	RCP	0.013	4.91	7.854	5.11%	60,071,161
MH004B011	MH004F001	1030.84	1028.84	56.93	30	RCP	0.013	4.91	7.854	3.51%	49,822,181
MH004F001	MH004F003	1028.84	1021.36	186.93	36	RCP	0.013	7.07	9.425	4.00%	86,464,854
MH004F003	MH004E015	1021.36	997.84	334.46	36	RCP	0.013	7.07	9.425	7.03%	114,623,821
MH004E015	MH004E020	997.84	969.68	384.76	36	Brick	0.016	7.07	9.425	7.32%	95,010,817
MH004E020	MH004E011	969.68	965.29	73.78	36	Brick	0.016	7.07	9.425	5.95%	85,667,210
MH004E011	MH004E010	965.29	935.17	412.18	42	RCP	0.013	9.62	10.996	7.31%	176,253,242
MH004E010	MH004E009	935.17	914.50	281.38	42	RCP	0.013	9.62	10.996	7.35%	176,716,343
MH004E009	MH005M006	914.50	866.67	582.16	48	RCP	0.013	12.57	12.566	8.22%	266,825,474
MH005M006	MH005M005	866.67	839.28	324.00	48	RCP	0.013	12.57	12.566	8.45%	270,658,576
MH005M005	ADC005MS38	839.28	818.25	427.82	48	RCP	0.013	12.57	12.566	4.92%	206,384,487

109 Natchez St - MLCS



Legend

Meter	Water Manhole	Private Inlet
Curb Box	Rising Main	Outfall
Water System Pump	Supply Main	End Cap
Hydrant	Transmission Main	Sewer Pump Station
System Valve	Distribution Main	Combined Sewer
Dividing Pressure Valve	Hydrant Branch	Sanitary Sewer
Coupling	Private Main	Storm Sewer
Tee	Water Service Line	Regulated Combined Sewer
Cross		Overflow Sewer
Reducer	SEWER	Interceptor
End Cap	Manhole	Sewer Force Main
Wash Out	Junction	Private Sewer
	Inlet	Undefined Sewer
		Green Infrastructure Underground Facilities



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.

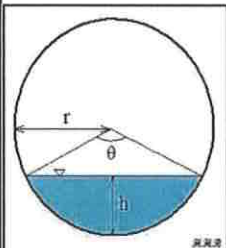
Date: 3/29/2023

Sewage Facilities Planning Module
Chapter 94 Consistency Determination
Hydraulic Calculations Spreadsheet for Peak Flow Depth Measurements

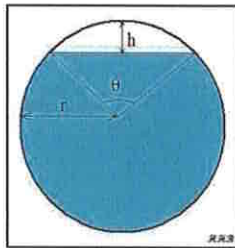
PROJECT NAME: Gary J. Hall
PWSA PROJECT NUMBER: _____
PWSA REVIEWER: _____
DATE: December 2, 2022

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 ³	Volumetric flowrate
n	Unitless	Manning Roughness Coeff.
A	ft ²	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

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

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

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

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

OR

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

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

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

Section B: Data for Calculations

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

Proposed Project Flows		
Variable	Value	Units
Q _p	1,600	gpd

Variable	Value	Units
Material	VCP	
n	0.015	unitless
S	0.031	ft/ft
h	0.100	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

Design Capacity, Peak

Variable	Value	Unit
Q _{d, avg}	2,967,882	gpd

Variable	Value	Unit
D	1.500	ft
r	0.750	ft
A	1.767	ft ²
P	4.712	ft
R	0.375	ft
Q _{d, peak}	16	cfs
Q _{d, peak}	10,387,585	gpd

Section D: Calculations for Present Flows

Variable	Description	Definition
Q _{ex, avg}	Present Flows, Average	= Q _{ex, peak} / P.F.
Q _{ex, peak}	Present Flows, Peak	existing flow conditions per site investigations

Present Flows, Average		
Variable	Value	Unit
Q _{ex, avg}	26,301	gpd

Present Flows, Peak		
Variable	Value	Unit
D	1.500	ft
r	0.750	ft
θ	1.04	rad
h/D	0.066666667	ft/ft
A	0.05	ft ²
P	0.78	ft
R	0.065	ft
Q _{ex, peak}	0	cfs
Q _{ex, peak}	92,054	gpd

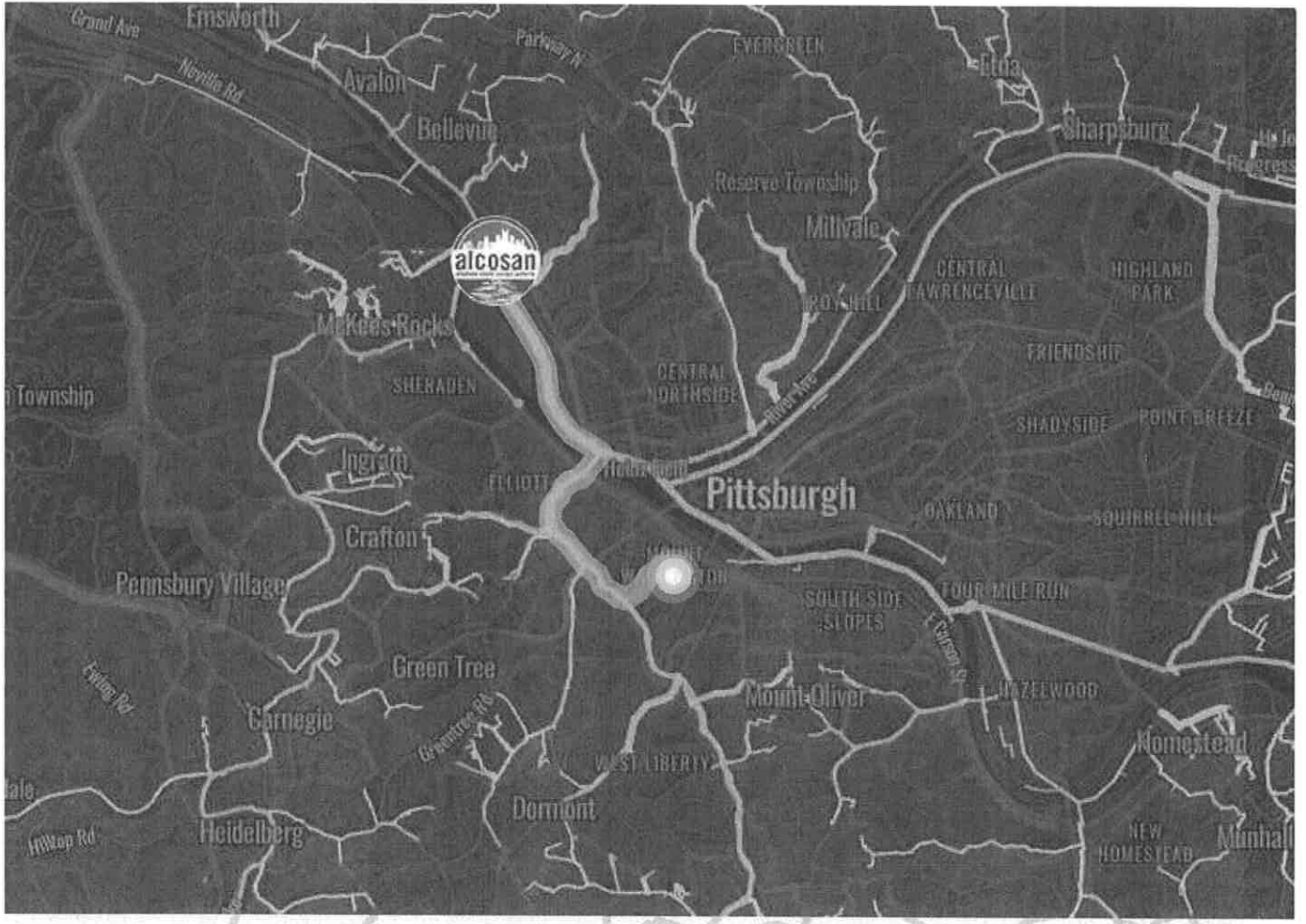
Section E: Calculations for Projected Flows in Five (5) Years

Variable	Description	Definition
Q _{proj, avg}	Projected Flows in Five (5) Years, Average	= Q _{proj, peak} ÷ P.F.
Q _{proj, peak}	Projected Flows in Five (5) Years, Peak	= (Q _{ex, peak} + Q _p) x 1.05

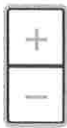
Projected Flow Calculations		
Variable	Value	Unit
Q _{proj, avg}	28,096	gpd
Q _{proj, peak}	98,337	gpd

Section F: Compare Results with Applicant's Submission

Variable	PWSA, gpd	Applicant, gpd	Difference, gpd	Difference, %
Q _{d, avg}	2,967,882	2,967,882	0	0%
Q _{d, peak}	10,387,585	10,387,585	0	0%
Q _{ex, avg}	26,301	26,301	0	0%
Q _{ex, peak}	92,054	92,054	0	0%
Q _{proj, avg}	28,096	28,096	0	0%
Q _{proj, peak}	98,337	98,337	0	0%



Legend



Results!

Start Over ↻

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 _____

4. Treatment Facility

The questions below are to be answered by a representative of the facility permittee in coordination with the information in the table and the latest Chapter 94 report. The individual signing below must be legally authorized to make representation for the organization.

YES NO

- a. This project proposes the use of an existing wastewater treatment plant for the disposal of sewage. Will this action create a hydraulic or organic overload within 5 years at that facility?

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 _____

Name of Responsible Agent _____

Agent Signature _____

Date _____

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.

Kimberly Gales-Dunn

 Name (Print)
 Professional Engineer/Surveyor

 Title
 2704 Brownsville Road, Pittsburgh, PA 15227

 Address



 Signature
 Jan. 2023

 Date
 4128858885

 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 \$150 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.

$$\#3 \text{ _____ Lots (or EDUs) X } \$50.00 = \$ \underline{150}$$

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:

$$\# \text{ _____ Lots (or EDUs) X } \$35.00 = \$ \text{ _____}$$

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)

December 2, 2022
#21-175028

City of Pittsburgh
Department of City Planning
200 Ross Street, Suite 309
Pittsburgh, PA 15219

ATTN: Ms. Matina Battistone
Manager of Developmental Services

RE: Gary J. Hall
City of Pittsburgh – 11th Ward
Allegheny County

Dear Ms. Battistone:

Enclosed is a copy of the Transmittal Letter, Resolution and Component 4a and the Completeness Checklist for completion and signature by the City of Pittsburgh for the above referenced Planning Module. Once completed, please return it to our office so that we may insert in the Planning Module and submit to DEP.

A complete copy of the Planning Module is enclosed for your files.

If you should have any questions, or require additional information, please call our office.

Very Truly Yours,

KAG ENGINEERING, INC.



Kimberly Gales-Dunn, P.E., P.L.S.

Enclosures

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
 Gary J. Hall

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

1. Date plan received by municipal planning agency _____
2. Date review completed by agency _____

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

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, <i>et seq.</i>)?
<input type="checkbox"/>	<input type="checkbox"/>	2. Is this proposal consistent with the comprehensive plan for land use? If no, describe the inconsistencies _____
<input 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 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 type="checkbox"/>	5. Does this project propose encroachments, obstructions, or dams that will affect wetlands? If yes, describe impacts _____
<input type="checkbox"/>	<input type="checkbox"/>	6. Will any known historical or archaeological resources be impacted by this project? If yes, describe impacts _____
<input type="checkbox"/>	<input type="checkbox"/>	7. Will any known endangered or threatened species of plant or animal be impacted by this project? If yes, describe impacts _____
<input type="checkbox"/>	<input type="checkbox"/>	8. Is there a municipal zoning ordinance?
<input type="checkbox"/>	<input type="checkbox"/>	9. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____
<input type="checkbox"/>	<input type="checkbox"/>	10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?
<input type="checkbox"/>	<input type="checkbox"/>	11. Have all applicable zoning approvals been obtained?
<input type="checkbox"/>	<input type="checkbox"/>	12. Is there a municipal subdivision and land development ordinance?

SECTION C. AGENCY REVIEW (continued)	
Yes	No
<input type="checkbox"/>	<input type="checkbox"/>
13. Is this proposal consistent with the ordinance? If no, describe the inconsistencies _____	
<input type="checkbox"/>	<input type="checkbox"/>
14. Is this plan consistent with the municipal Official Sewage Facilities Plan? If no, describe the inconsistencies _____	
<input type="checkbox"/>	<input type="checkbox"/>
15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____	
<input type="checkbox"/>	<input type="checkbox"/>
16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?	
<input type="checkbox"/>	<input type="checkbox"/>
If yes, is the proposed waiver consistent with applicable ordinances? If no, describe the inconsistencies _____	
17. Name, title and signature of planning agency staff member completing this section: Name: _____ Title: _____ Signature: _____ Date: _____ Name of Municipal Planning Agency: _____ Address _____ Telephone Number: _____	
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.	

December 2, 2022
#21-175028

Allegheny County Health Department
3441 Forbes Avenue
Pittsburgh, PA 15213

ATTN: Mr. Sam Shamsi
Environmental Health Engineer

RE: Gary J. Hall
City of Pittsburgh – 11th Ward
Allegheny County, PA

Dear Mr. Shamsi:

Enclosed is a copy of the Transmittal Letter, Resolution, Component 4C, and the Completeness Checklist for completion and signature by the Department for the above referenced Planning Module. Once completed, please return it to our office so that we may insert in the Planning Module and submit to DEP.

A complete copy of the Planning Module is enclosed for your files.

If you should have any questions, or require additional information, please do not hesitate to contact our office.

Very Truly Yours,
KAG ENGINEERING, INC.



J. Robert Gales, P.E., P.L.S.

Enclosures

DEP Code #: _____

**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
 Gary J. Hall

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

1. Date plan received by county or joint county health department _____
 Agency name _____
2. Date review completed by agency _____

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

Yes	No	
<input type="checkbox"/>	<input type="checkbox"/>	1. Is the proposed plan consistent with the municipality's Official Sewage Facilities Plan? If no, what are the inconsistencies? _____
<input type="checkbox"/>	<input type="checkbox"/>	2. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality? If yes, describe _____
<input type="checkbox"/>	<input type="checkbox"/>	3. Is there any known groundwater degradation in the area of this proposal? If yes, describe _____
<input type="checkbox"/>	<input type="checkbox"/>	4. The county or joint county health department recommendation concerning this proposed plan is as follows: _____
		5. Name, title and signature of person completing this section: Name: _____ Title: _____ Signature: _____ Date: _____ Name of County Health Department: _____ Address: _____ Telephone Number: _____

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.

PNDI
SEARCH

1. PROJECT INFORMATION

Project Name: **Gary J. Hall**

Date of Review: **12/2/2022 09:59:48 AM**

Project Category: **Development, Residential, Subdivision containing more than 2 lots and/or 2 single-family units**

Project Area: **0.16 acres**

County(s): **Allegheny**

Township/Municipality(s): **PITTSBURGH**

ZIP Code:

Quadrangle Name(s): **PITTSBURGH WEST**

Watersheds HUC 8: **Upper Ohio**

Watersheds HUC 12: **Sawmill Run**

Decimal Degrees: **40.428657, -80.008578**

Degrees Minutes Seconds: **40° 25' 43.1645" N, 80° 0' 30.8824" W**



2. SEARCH RESULTS

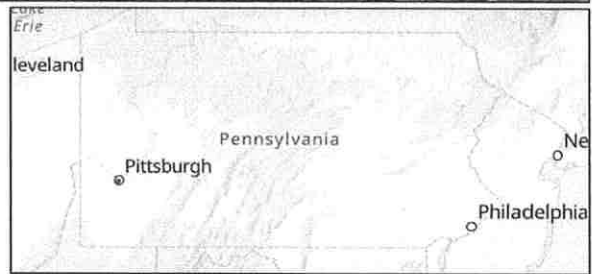
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No Further Review Required

As summarized above, Pennsylvania Natural Diversity Inventory (PNDI) records indicate no known impacts to threatened and endangered species and/or special concern species and resources within the project area. Therefore, based on the information you provided, no further coordination is required with the jurisdictional agencies. This response does not reflect potential agency concerns regarding impacts to other ecological resources, such as wetlands.

Gary J. Hall

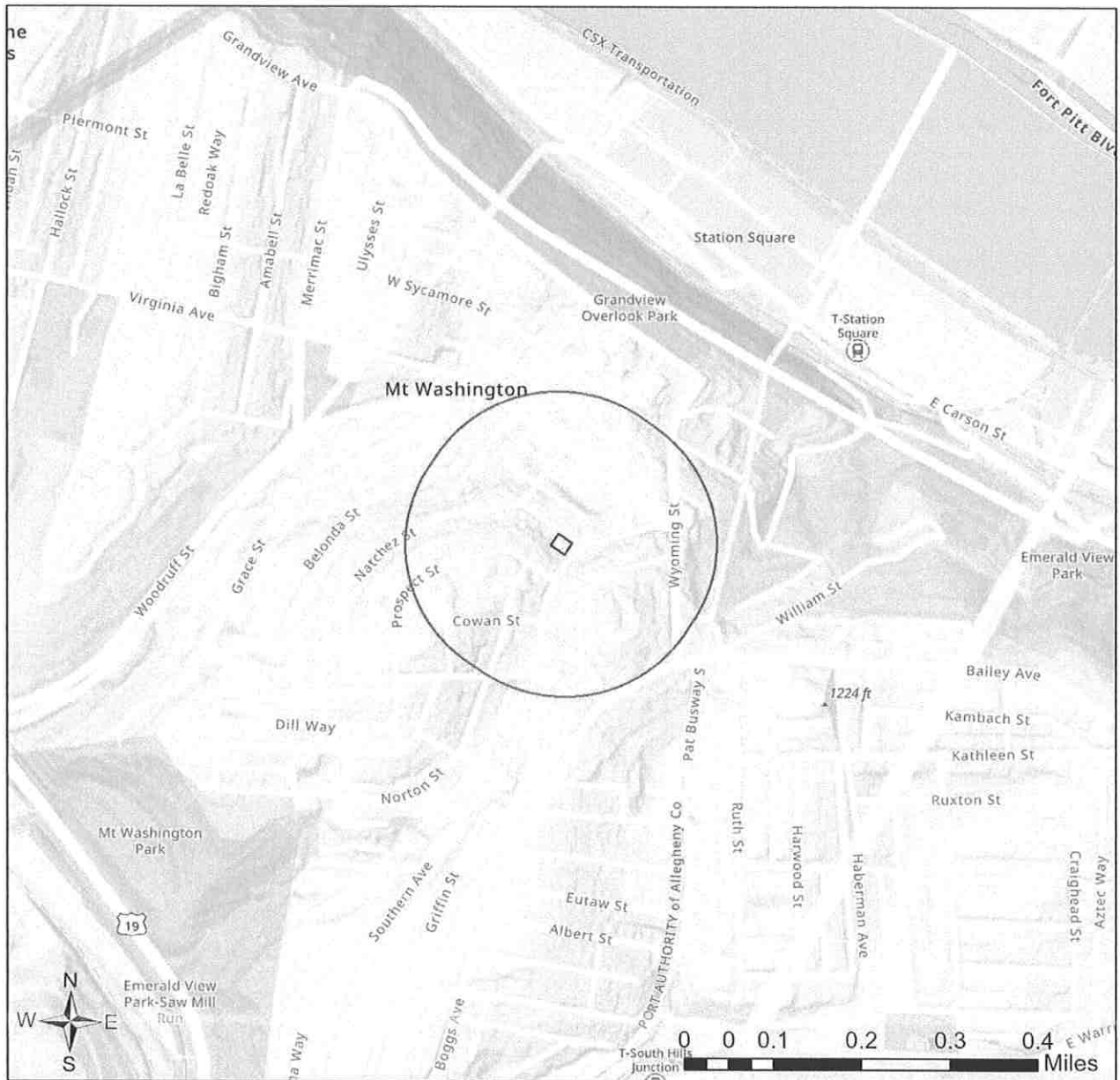




-  Buffered Project Boundary
-  Project Boundary

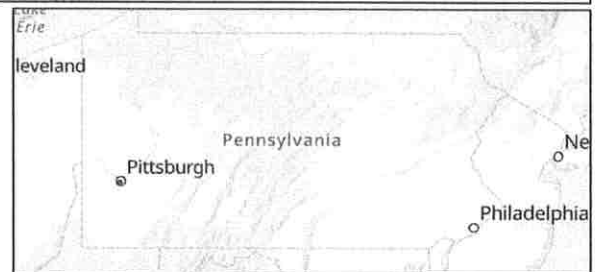


Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

Gary J. Hall



-  Buffered Project Boundary
-  Project Boundary



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community

RESPONSE TO QUESTION(S) ASKED

Q1: The proposed project is in the range of the Indiana bat. Describe how the project will affect bat habitat (forests, woodlots and trees) and indicate what measures will be taken in consideration of this. Round acreages up to the nearest acre (e.g., 0.2 acres = 1 acre).

Your answer is: The project will affect 1 to 39 acres of forests, woodlots and trees.

Q2: Is tree removal, tree cutting or forest clearing of 40 acres or more necessary to implement all aspects of this project?

Your answer is: No

3. AGENCY COMMENTS

Regardless of whether a DEP permit is necessary for this proposed project, any potential impacts to threatened and endangered species and/or special concern species and resources must be resolved with the appropriate jurisdictional agency. In some cases, a permit or authorization from the jurisdictional agency may be needed if adverse impacts to these species and habitats cannot be avoided.

These agency determinations and responses are **valid for two years** (from the date of the review), and are based on the project information that was provided, including the exact project location; the project type, description, and features; and any responses to questions that were generated during this search. If any of the following change: 1) project location, 2) project size or configuration, 3) project type, or 4) responses to the questions that were asked during the online review, the results of this review are not valid, and the review must be searched again via the PNDI Environmental Review Tool and resubmitted to the jurisdictional agencies. The PNDI tool is a primary screening tool, and a desktop review may reveal more or fewer impacts than what is listed on this PNDI receipt. The jurisdictional agencies **strongly advise against** conducting surveys for the species listed on the receipt prior to consultation with the agencies.

PA Game Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Department of Conservation and Natural Resources

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

PA Fish and Boat Commission

RESPONSE:

No Impact is anticipated to threatened and endangered species and/or special concern species and resources.

U.S. Fish and Wildlife Service

RESPONSE:

No impacts to **federally** listed or proposed species are anticipated. Therefore, no further consultation/coordination under the Endangered Species Act (87 Stat. 884, as amended; 16 U.S.C. 1531 et seq. is required. Because no take of federally listed species is anticipated, none is authorized. This response does not reflect potential Fish and Wildlife Service concerns under the Fish and Wildlife Coordination Act or other authorities.

4. DEP INFORMATION

The Pa Department of Environmental Protection (DEP) requires that a signed copy of this receipt, along with any required documentation from jurisdictional agencies concerning resolution of potential impacts, be submitted with applications for permits requiring PNDI review. Two review options are available to permit applicants for handling PNDI coordination in conjunction with DEP's permit review process involving either T&E Species or species of special concern. Under sequential review, the permit applicant performs a PNDI screening and completes all coordination with the appropriate jurisdictional agencies prior to submitting the permit application. The applicant will include with its application, both a PNDI receipt and/or a clearance letter from the jurisdictional agency if the PNDI Receipt shows a Potential Impact to a species or the applicant chooses to obtain letters directly from the jurisdictional agencies. Under concurrent review, DEP, where feasible, will allow technical review of the permit to occur concurrently with the T&E species consultation with the jurisdictional agency. The applicant must still supply a copy of the PNDI Receipt with its permit application. The PNDI Receipt should also be submitted to the appropriate agency according to directions on the PNDI Receipt. The applicant and the jurisdictional agency will work together to resolve the potential impact(s). See the DEP PNDI policy at <https://conservationexplorer.dcnr.pa.gov/content/resources>.

5. ADDITIONAL INFORMATION

The PNDI environmental review website is a preliminary screening tool. There are often delays in updating species status classifications. Because the proposed status represents the best available information regarding the conservation status of the species, state jurisdictional agency staff give the proposed statuses at least the same consideration as the current legal status. If surveys or further information reveal that a threatened and endangered and/or special concern species and resources exist in your project area, contact the appropriate jurisdictional agency/agencies immediately to identify and resolve any impacts.

For a list of species known to occur in the county where your project is located, please see the species lists by county found on the PA Natural Heritage Program (PNHP) home page (www.naturalheritage.state.pa.us). Also note that the PNDI Environmental Review Tool only contains information about species occurrences that have actually been reported to the PNHP.

6. AGENCY CONTACT INFORMATION

PA Department of Conservation and Natural Resources

Bureau of Forestry, Ecological Services Section
400 Market Street, PO Box 8552
Harrisburg, PA 17105-8552
Email: RA-HeritageReview@pa.gov

PA Fish and Boat Commission

Division of Environmental Services
595 E. Rolling Ridge Dr., Bellefonte, PA 16823
Email: RA-FBPACENOTIFY@pa.gov

U.S. Fish and Wildlife Service

Pennsylvania Field Office
Endangered Species Section
110 Radnor Rd; Suite 101
State College, PA 16801
Email: IR1_ESPenn@fws.gov
NO Faxes Please

PA Game Commission

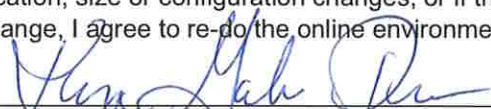
Bureau of Wildlife Management
Division of Environmental Review
2001 Elmerston Avenue, Harrisburg, PA 17110-9797
Email: RA-PGC_PNDI@pa.gov
NO Faxes Please

7. PROJECT CONTACT INFORMATION

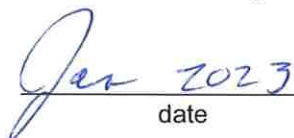
Name: Kimberly Gales-Dunn
Company/Business Name: KAG Engineering, Inc.
Address: 2704 Brownsville Road
City, State, Zip: Pittsburgh, PA 15227
Phone: (412) 885-8885 Fax: (412) 885-1321
Email: kagales.gales.engineers@comcast.net

8. CERTIFICATION

I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions that were asked during this online review change, I agree to re-do the online environmental review.



applicant/project proponent signature



date

ACT 14 NOTIFICATIONS

December 2, 2022
#21-175028

Pittsburgh Water and Sewer Authority
Penn Liberty Plaza I
1200 Penn Avenue
Pittsburgh, PA 15222

ATTN: Mr. Robert A. Weimar
Executive Director

RE: Gary J. Hall
City of Pittsburgh – 11th Ward
Allegheny County

Dear Mr. Weimar:

In accordance with Act 14, "Municipal/County Notifications of application for Water Quality Management and Related Permits", this is notification that Gary J. Hall has made application for Planning Modules for the Gary J. Hall development in the City of Pittsburgh-11th Ward, Allegheny County, Pennsylvania.

We invite you to submit comments to DEP related to comprehensive plans and zoning ordinances under Act 67 and 68, which amended the MPC to support sound land use practices and Growing Smarter. The new law directs state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities or infrastructure.

Please identify any land use concerns or issues associated with the proposed project if there are any. Along with your comments, you are also encouraged to send as much information as necessary to support your comments. This can include a copy of the sections of your comprehensive plan that relate to the project and a copy of any applicable zoning ordinances; you may also want to identify locally designated growth area, Keystone Opportunity Zones, efforts to preserve open space and prime farmland and similar information.

If you should have any questions, or require additional information, please call our office.

Very Truly Yours,
KAG ENGINEERING, INC.


Kimberly Gales-Dunn, P.E., P.L.S.

CERTIFIED MAIL

December 2, 2022
#21-175028

County of Allegheny
County Council
Courthouse
436 Grant Street, Room 119
Pittsburgh, PA 15219

RE: Gary J. Hall
City of Pittsburgh – 11th Ward
Allegheny County

Dear County Council:

In accordance with Act 14, “Municipal/County Notifications of application for Water Quality Management and Related Permits”, this is notification that Gary J. Hall has made application for Planning Modules for the Gary J. Hall development in the City of Pittsburgh-11th Ward, Allegheny County, Pennsylvania

We invite you to submit comments to DEP related to comprehensive plans and zoning ordinances under Act 67 and 68, which amended the MPC to support sound land use practices and Growing Smarter. The new law directs state agencies to consider comprehensive plans and zoning ordinances when reviewing applications for permitting of facilities or infrastructure.

Please identify any land use concerns or issues associated with the proposed project if there are any. Along with your comments, you are also encouraged to send as much information as necessary to support your comments. This can include a copy of the sections of your comprehensive plan that relate to the project and a copy of any applicable zoning ordinances; you may also want to identify locally designated growth area, Keystone Opportunity Zones, efforts to preserve open space and prime farmland and similar information.

If you should have any questions, or require additional information, please call our office.

Very Truly Yours,
KAG ENGINEERING, INC.



Kimberly Gales-Dunn, P.E., P.L.S.

CERTIFIED MAIL

SERVICE AVAILABILITY REQUEST



Water and Sewer Use Application Form

Instructions The complete W/S Use Application shall be uploaded via e-builder. To obtain an e-builder project folder, please make a request on our website at www.pgh2o.com/permits. In addition, please refer to the Developer’s Manual for detailed information on application requirements.

Requirements Application Fee W/S Use Application Site Plans
 Floor Plans Narrative Flow Calculations

Project Info Project Name: Gary J. Hall
Address: 107-109 Natchez Street, Pittsburgh, PA 15211
Is the Project located on a lot created prior to May 15, 1972? YES NO
Has the lot previously received DEP sewage planning approval? YES NO

Owner/Developer Firm Name: Gary J. Hall
Address: 8207 Genoa Boulevard, Bradenton, FL 34202
Contact Name: Gary J. Hall
Email: hallmed@netzero.net
Phone Number: 412-498-9597

Consultant Firm Name: J. R. Gales & Associates, Inc.
Address: 2704 Brownsville Road, Pittsburgh, PA 15227
Contact Name: Kimberly Gales-Dunn, P.E., P.L.S.
Email: kagales.gales.engineers@comcast.net
Phone Number: 412-885-8885

Flow Data

Type of Flow	Sanitary, gpd	Water, gpd
Project Flow	1,600	1,600
Existing Flow	400	400
Net Flow	1,200	1,200

Signature By signing below, I hereby certify, to the best of my knowledge, that the information provided within the Water and Sewer Use Application is true, complete and accurate.
Name, printed: _____
Signature: _____
Date: _____



WATER AND SEWER AVAILABILITY LETTER REQUEST

All persons planning to perform construction, demolition, or renovation work that will involve water and/or sewer services are recommended to complete this form and submit to PWSA. PWSA will review the request and reply to indicate if PWSA-owned water and/or sewer utilities are present at the site of the proposed work.

This request form is **required** for all of the following types of development. (Please note that the term "sewer" refers to sanitary sewers, combined sewers, and storm sewers.)

1. New water and/or sewer tap(s) for all approved/recorded subdivisions.
2. Change of Use and/or increase in water and/or sewer flows for residential development(s), commercial, industrial and institutional developments (i.e. total project sanitary flow is greater than 799 gallons per day).
3. New water and/or sewer tap(s) for all residential, commercial, industrial, and institutional developments.

Please email the completed form to: permitinfo@pgh2o.com

Information to be submitted by the Applicant:			
Property Owner Name:	Gary J. Hall		
Address of Property:	107 & 109 Natchez Street		
Proposed Use of Site:	4 single family dweelings		
Closest street intersection to the property:	Southern Avenue		
Requester Information			
Name:	Steve Lehrman Jr.	Date of Request:	12/1/22
Address:	2704 Brownsville Road, Pittsburgh, PA 15227		
Phone Number:	412-885-8885		
Email Address:	slehrmanjr.gales.engineers@comcast.net		
Preferred Method of Delivery:	<input checked="" type="checkbox"/> Email	<input type="checkbox"/> Mail	
PWSA Use Only:			
PWSA Water Service Available	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Size / Location: _____
PWSA Sewer Service Available:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Size / Location: _____
Applicant must contact separate agency for water and/or sewer service:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Name of separate agency:	_____		
PWSA Approval:	Signature and Date	_____	
	Name (printed)	_____	
	Title	_____	

Disclaimer: The information provided by PWSA does not guarantee capacity of the PWSA-owned water and/or sewer lines to satisfy the needs of the proposed development. The permit application process required by PWSA evaluates the water demand and sewer flows of the development, as provided by the Applicant, and renders a decision on the capacity of the PWSA facilities.

December 2, 2022
#21-175028

ALCOSAN
3300 Preble Avenue
Pittsburgh, PA 152

ATTN: Mr. Michael Lichte

RE: Gary J. Hall
City of Pittsburgh – 11th Ward
Allegheny County


Dear Mr. Lichte:

We are requesting a letter from ALCOSAN relating to their ability to accept sanitary sewer flow from the development.

Enclosed is a copy of the Planning Modules and Site Plan for the above referenced project for your review and approval.

If you should have any questions or require additional information, please do not hesitate to call our office.

Very Truly Yours,
KAG ENGINEERING, INC.


Kimberly Gales-Dunn, P.E., P.L.S.

Enclosures

REPORT ON ALTERNATIVE ANALYSIS

ALTERNATIVE ANALYSIS

There currently are sanitary sewers available to service this project, which will provide a connection for the proposed single-family residential buildings. The sewers have adequate capacity for the proposed development. The existing sanitary sewers are located on Natchez Street. There is no alternative way to service this lot.

PROPERTY
INFORMATION

Parcel ID : 0004-F-00208-0000-00
Property Address : 113-115 NATCHEZ ST
PITTSBURGH, PA 15211

Municipality : 119 19th Ward - PITTSBURGH
Owner Name : HALL GARY J

School District :	Pittsburgh	Neighborhood Code :	11905
Tax Code :	Taxable	Owner Code :	Regular
Class :	Residential	Recording Date :	
Use Code :	VACANT LAND	Sale Date :	
Homestead* :	No	Sale Price :	\$0
Farmstead :	No	Deed Book :	
Clean And Green	No	Deed Page :	
Other Abatement :	No	Lot Area :	3,531 SQFT

* If this property had a recent sale or deed change the 'YES' that is showing may apply to the prior owner.
New owners wishing to receive the abatement must apply.
The deadline to apply is March 1st of each year.
Details may be found on the [County's abatement page](#).

2022 Full Base Year Market Value

2022 County Assessed Value

Land Value	\$15,400	Land Value	\$15,400
Building Value	\$0	Building Value	\$0
Total Value	\$15,400	Total Value	\$15,400

2021 Full Base Year Market Value

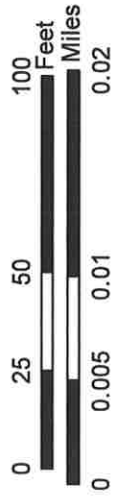
2021 County Assessed Value

Land Value	\$15,400	Land Value	\$15,400
Building Value	\$0	Building Value	\$0
Total Value	\$15,400	Total Value	\$15,400

Address Information

Owner Mailing : 8207 GENOA BLVD
BRADENTON , FL 34202-1725

PIN: 0004F00208000000



WGS84 Web Mercator

LEGEND

- Parcels
- LotLines
- Streets
- Municipalities

This map is for informational purposes only. Parcel information is provided from the Office of Property Assessments in Allegheny County. Content and availability are subject to change. Property characteristics and values change due to a variety of factors such as court rulings, municipality permit processing and subdivision plans. Excludes name and contact information for property owners, as required by Ordinance 3478-07. For additional information, call the Allegheny County GIS Help Desk at (412) 350-4774 or email at GISHelp@AlleghenyCounty,US.

Parcel ID : 0004-F-00300-0000-00
Property Address : 107 NATCHEZ ST
PITTSBURGH, PA 15211

Municipality : 119 19th Ward - PITTSBURGH
Owner Name : HALL GARY J

School District :	Pittsburgh	Neighborhood Code :	11905
Tax Code :	Taxable	Owner Code :	Regular
Class :	Residential	Recording Date :	
Use Code :	TWO FAMILY	Sale Date :	
Homestead* :	No	Sale Price :	\$0
Farmstead :	No	Deed Book :	
Clean And Green	No	Deed Page :	
Other Abatement :	No	Lot Area :	1,787 SQFT

* If this property had a recent sale or deed change the 'YES' that is showing may apply to the prior owner.
New owners wishing to receive the abatement must apply.
The deadline to apply is March 1st of each year.
Details may be found on the [County's abatement page](#).

2022 Full Base Year Market Value		2022 County Assessed Value	
Land Value	\$12,200	Land Value	\$12,200
Building Value	\$21,000	Building Value	\$21,000
Total Value	\$33,200	Total Value	\$33,200

2021 Full Base Year Market Value		2021 County Assessed Value	
Land Value	\$0	Land Value	\$0
Building Value	\$0	Building Value	\$0
Total Value	\$0	Total Value	\$0

Address Information

Owner Mailing : 8207 GENOA BLVD
BRADENTON , FL 34202-1725

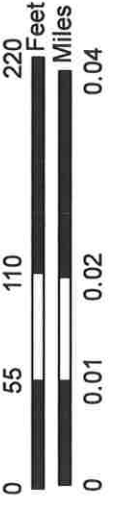
PIN: 0004F00300000000



LEGEND

- Parcels
- LotLines
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WGS84 Web Mercator

Parcel ID : 0004-F-00301-0000-00
Property Address : 109 NATCHEZ ST
PITTSBURGH, PA 15211

Municipality : 119 19th Ward - PITTSBURGH
Owner Name : HALL GARY J

School District :	Pittsburgh	Neighborhood Code :	11905
Tax Code :	Taxable	Owner Code :	Regular
Class :	Residential	Recording Date :	
Use Code :	TWO FAMILY	Sale Date :	
Homestead* :	No	Sale Price :	\$0
Farmstead :	No	Deed Book :	
Clean And Green	No	Deed Page :	
Other Abatement :	No	Lot Area :	1,567 SQFT

* If this property had a recent sale or deed change the 'YES' that is showing may apply to the prior owner.
New owners wishing to receive the abatement must apply.
The deadline to apply is March 1st of each year.
Details may be found on the [County's abatement page](#).

2022 Full Base Year Market Value

2022 County Assessed Value

Land Value	\$11,800	Land Value	\$11,800
Building Value	\$21,000	Building Value	\$21,000
Total Value	\$32,800	Total Value	\$32,800

2021 Full Base Year Market Value

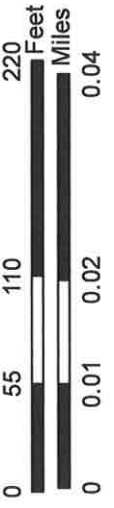
2021 County Assessed Value

Land Value	\$0	Land Value	\$0
Building Value	\$0	Building Value	\$0
Total Value	\$0	Total Value	\$0

Address Information

Owner Mailing : 8207 GENOA BLVD
BRADENTON , FL 34202-1725

PIN: 0004F00301000000



WGS84 Web Mercator

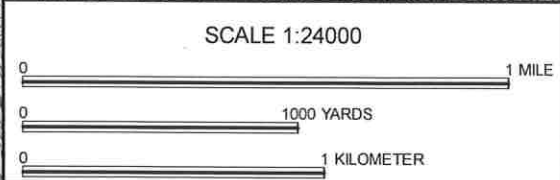
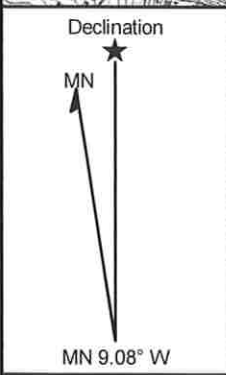
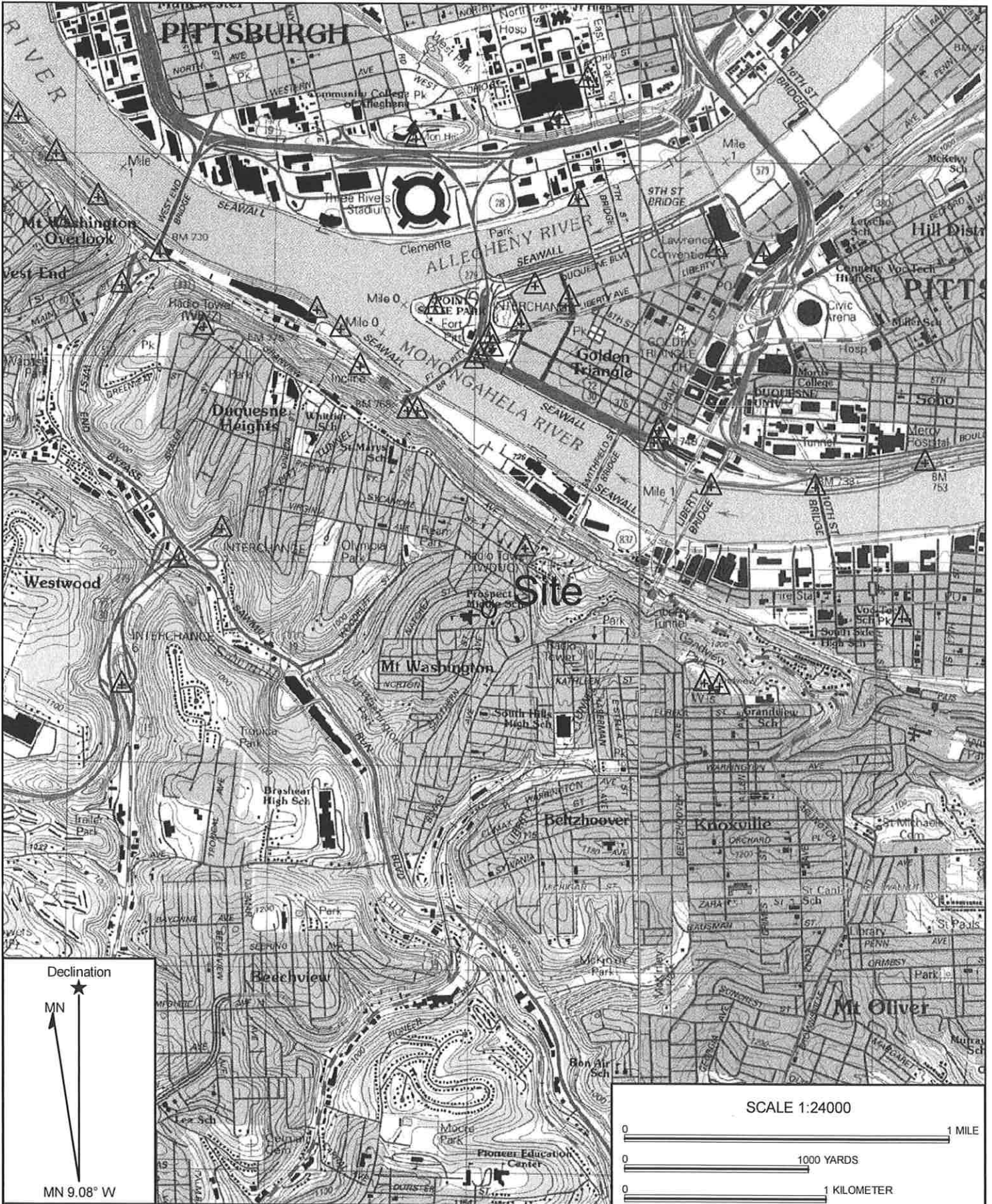


LEGEND

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LOCATION
MAP



Name: PITTSBURGH WEST
 Date: 08/30/22
 Scale: 1 inch = 2,000 ft.

Location: 040° 25' 42.89" N 080° 00' 31.55" W

COMPLETENESS
CHECKLIST

Checklist



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

Completeness Checklist

The individual completing the component should use the checklist below to assure that all items are included in the module package. The municipality should confirm that the required items have been included within 10 days of receipt, and if complete, sign and date the checklist.

Sewage Collection and Treatment Facilities

- Name and Address of land development project.
- U.S.G.S. 7.5 minute topographic map with development area plotted.
- Project Narrative.
- Letter from water company (if applicable).
- Alternative Analysis Narrative.
- Details of chosen financial assurance method.
- Proof of Public Notification (if applicable).
- Name of existing collection and conveyance facilities.
- Name and NPDES number of existing treatment facility to serve proposed development.
- Plot plan of project with required information.
- Total sewage flows to facilities table.
- Signature of existing collection and/or conveyance Chapter 94 report preparer.
- Signature of existing treatment facility Chapter 94 report preparer.
- Letter granting allocation to project (if applicable).
- Signature acknowledging False Swearing Statement.
- Completed Component 4 (Planning Agency Review) for each existing planning agency and health department.
- Information on selected treatment and disposal option.
- Permeability information (if applicable).
- Preliminary hydrogeology (if applicable).
- Detailed hydrogeology (if applicable).

Municipal Action

- Component 3 (Sewage Collection and Treatment Facilities).
- Component 4 (Planning Agency Comments and Responses).
- Proof of Public Notification.
- Long-term operation and maintenance option selection.
- Comments, and responses to comments generated by public notification.
- Transmittal Letter

Signature of Municipal Official

Date submittal determined complete