



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

Code No.

## SEWAGE FACILITIES PLANNING MODULE

### Component 2. Individual and Community Onlot Disposal of Sewage

(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) proposing the use of individual onlot sewage disposal systems (including individual residential spray irrigation systems (IRSIS)) and except for those projects qualifying for the "exception to the requirement to revise the Official Plan" under Chapter 71, Section 71.55, (2) proposing retaining tanks (including holding tanks, privies, chemical, incinerating, recycling or composting toilets), (3) proposing municipal permitted community onlot sewage disposal systems, and (4) proposing DEP permitted individual or community large volume onlot sewage disposal systems.

This component, along with any other documents specified in the cover letter, must be submitted to the municipality with jurisdiction over the project site for review and approval. All appropriate documentation must be attached for the Sewage Facilities Planning Module package 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 applicant 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 N through R. Complete Sections J, K, L and/or M if indicated ☒. The municipality should complete Section Q if marginal conditions are present and/or if a waiver of the planning requirements is requested for the residual tract and/or if assurance of long term O & M option is required.

### A. PROJECT INFORMATION (See Section A of instructions)

- Project Name George Peters Jr. Subdivision
- Brief Project Description Subdivision creating 4 new lots and a residual lot for a total of 5 lots from an existing 11 acre lot.

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

Municipality Name	County	City	Boro	Twp
Halfmoon Township	Centre	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Municipality Contact Individual – Last Name	First Name	MI	Suffix	Title
Gembusia	Denise			Manager
Additional Individual Last Name	First Name	MI	Suffix	Title
Smith	Amy			Secretary
Municipality Mailing Address Line 1	Mailing Address Line 2			
1948 Halfmoon Valley Road				
Address Last Line – City	State	ZIP+4		
Port Matilda	PA	19870		
Phone + Ext.	FAX (optional)	Email (optional)		
814-692-9800		manager@halfmoontwp.us		

**C. SITE INFORMATION** (See Section C of instructions)**Site (Land Development or Project) Name**

George Peters Jr. Subdivision

Site Location Line 1

275 Smith Road

Site Location Line 2

Site Location Last Line – City

Port Matilda

State

PA

ZIP+4

19870

Latitude

40°46'14"N

Longitude

78°01'48"W

Detailed Written Directions to Site From I-99, take exit onto N. Atherton Street towards PA 550. Turn left onto Buffalo Run Road (PA-550). Continue and turn left onto Smith Road. Continue on Smith Road. The property is on the right.

Description of Site Existing residential lot being subdivided into 5 total lots.

**Site Contact (Developer/Owner)**

Last Name

Spanos

First Name

Dean

MI

Suffix

Phone

814-280-1848

Ext.

Site Contact Title

Owner

Site Contact Firm (if none, leave blank)

FAX

Email

deanrent@aol.com

Mailing Address Line 1

275 Smith Road

Mailing Address Line 2

Mailing Address Last Line – City

Port Matilda

State

PA

ZIP+4

16870

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

Last Name

Fisher

First Name

John

MI

Suffix

Title

Staff Professional II

Consulting Firm Name

Herbert, Rowland, and Grubic

Mailing Address Line 1

2568 Park Center Blvd

Mailing Address Line 2

Address Last Line – City

State College

State

PA

ZIP+4

16801

Country

USA

Email

jfisher@hr-g-inc.com

Phone

814-238-7117

Ext.

FAX

**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: Upper Halfmoon Township Water Company

**F. PROJECT NARRATIVE** (See Section F of instructions)

- ☒ A narrative has been prepared as described in Section F of the instructions and is attached.

The applicant may choose to include additional information beyond that required by Section F of the instructions.

**G. GENERAL SITE SUITABILITY** (See Section G of attached instructions)

This section must be completed when the proposed method of sewage disposal is the use of onlot sewage disposal systems or privies. The purpose of the information provided in this section is to determine the general suitability of the site for onlot disposal of sewage. Site suitability should not be construed as approval for permit issuance on individual lots. Additional testing may be required for permit issuance.

**NOTE:** If one or more lots in this subdivision are planned to be served by individual residential spray irrigation systems (IRSIS), please see the specific information on IRSIS in Section G.3 of the attached instructions.

**1. PLOT PLAN**

The following information is to be submitted on a plot plan of the proposed subdivision or development:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> a. Location of all soil profiles and percolation tests.                            | <input checked="" type="checkbox"/> i. Surface waters.   |
| <input checked="" type="checkbox"/> b. Slope at each test area.  | <input checked="" type="checkbox"/> j. Wetlands – from National Wetland Inventory Mapping and USDA Hydric Soils Mapping. |
| <input checked="" type="checkbox"/> c. Soil types and boundaries.  | <input checked="" type="checkbox"/> k. Floodplain or floodprone area soils, floodways (Federal Flood Insurance Mapping). |
| <input checked="" type="checkbox"/> d. Existing and proposed streets, roadways, access roads, etc.                     | <input checked="" type="checkbox"/> l. Designated open space areas.  |
| <input checked="" type="checkbox"/> e. Lot lines and lot sizes.  | m. Remaining acreage under the same ownership and contiguous lots.   |
| <input checked="" type="checkbox"/> f. Existing and proposed rights-of-way.  | n. Existing onlot or sewerage systems; pipelines, transmission lines, etc., in-use or abandoned.                         |
| <input checked="" type="checkbox"/> g. Existing and proposed drinking water supplies for proposed and contiguous lots. | o. Prime agricultural land.  |
| <input checked="" type="checkbox"/> h. Existing buildings.   | p. Orientation to North  |

**2. RESIDUAL TRACT PLANNING WAIVER REQUEST**

A waiver from sewage facilities planning ☐ is, ☒ is not requested for the residual land tract associated with this project. (See Section H, Section Q, Component 4 and instructions for additional information).

**3. SOILS INFORMATION**

- Attach copies of "Site Investigation and Percolation Test Report" (3800-FM-WSFR0290A) (formerly known as "Appendix A") form(s) for the proposed subdivision.
- Marginal conditions for long-term onlot sewage disposal ☒ are, ☐ are not present. See marginal conditions information in Sections H and Q and in attached instructions.
- If one or more lots in this subdivision are planned to be served by Individual Residential Spray Irrigation Systems (IRSIS), please see the specific information on IRSIS in Section G of the instructions.

**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. PRIMARY 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. Proceed to G.6.

- ☒ ☐ Is this project consistent with the municipal prime agricultural land protection program.

**6. HISTORIC PRESERVATION ACT**

YES NO

- a. ☒ ☐ 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 Web site at [www.depweb.state.pa.us](http://www.depweb.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.

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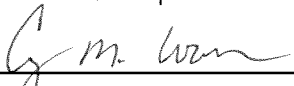
**H. SEWAGE ENFORCEMENT OFFICER ACTION** (See Section H of attached instructions)

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1. I have confirmed the information relating to the general suitability for onlot sewage disposal contained in this component. Confirmation of this information was based upon on-site verification of soil tests, general site conditions and other generally available soils information. The proposed development site:
  - ☐ Is generally suitable for onlot disposal. This module does not constitute individual permit approval.
  - ☒ Is marginal for long-term onlot disposal. (See instructions for information on marginal conditions).
  - ☐ Is not generally suitable for onlot disposal. (See my attached comments regarding this determination).
  - ☐ Cannot be evaluated for general site suitability because of insufficient soils testing.
2. The proposed development site is considered "marginal for onlot disposal" or for long-term onlot system use because one or more of the following conditions exist. (Check all that apply).
  - ☒ Soils profile examinations which document areas of suitable soil intermixed with areas of unsuitable soils.
  - ☐ Site evaluation which documents soils generally suitable for elevated sand mounds with some potential lots with slopes over 12%.
  - ☐ Site evaluation which documents soils generally suitable for in-ground systems with some potential lots with slopes in excess of 20%.
  - ☐ Lot density of more than 1 Residential Dwelling Unit/acre.
  - ☐ Proposed use of a community onlot disposal system or system serving commercial, industrial or institutional uses.

## 3. Residual Tract Facilities (For use only when there is an existing onlot disposal system on the residual tract)

- ☒ I have inspected the lot on which the existing building and existing onlot disposal system is located and have concluded, based on soils mapping or soils evaluation, permit information or site inspection that the long-term sewage disposal needs of this site and the building currently served can be met. (Required)
- ☒ I further acknowledge that no violations of the Sewage Facilities Act are known to me or have become apparent as a result of my site inspection. No inferences regarding future performance of the existing onlot disposal system should be drawn from this acknowledgement. (Required)
- ☐ A brief description and sketch of the existing system and site is attached. (Optional)

  
Signature of Certified Sewage Enforcement Officer having jurisdiction  
in municipality where development is proposed

03994  
Certification #

1/26/22  
Date

**I. ALTERNATIVE SEWAGE FACILITIES ANALYSIS** (See Section I of attached instructions)

This analysis consists of a narrative that will support the chosen sewage disposal method by comparing it to methods already in use in the area or to any other available method. Attach the narrative to the package and title it **Alternative Analysis**. The narrative should describe:

1. the chosen sewage disposal method, and whether the method is interim (to be replaced within 5 years) or ultimate (will serve the development beyond 5 years). Also provide the number of lots or EDU's that will be served.

**I. ALTERNATIVE SEWAGE FACILITIES ANALYSIS** (Continued) (See Section I of attached instructions)

2. the types of land uses adjacent to the project area (agricultural, residential, commercial etc.) and the type of sewage disposal method serving each of those land uses.
3. if the sewage facilities described in (2) are in need of improvement due to high rates of onlot malfunction or overloaded public sewers.
4. the sewage disposal method indicated for the development area in the municipality's Official Sewage Facilities Plan. (Such as: onlot disposal systems, public sewers, etc.).
5. existing and/or proposed sewage management program(s) in the area and/or any other municipal options necessary to satisfy the requirements of section(s) 71.72 or 71.73 including the provisions of the selected option.
6. potential alternative sewage disposal methods that are available for the project.
7. why the proposed disposal method was chosen over the alternative methods discussed.
8. who will be the owner of the facility, and who will be responsible for operation and maintenance of the facility.
9. any other information that the developer feels will support the chosen disposal method.

Complete the following sections (J, K, L and/or M) if indicated ☒.

If none are indicated, go directly to Section N.

☐ **J. PROTECTION OF RARE, ENDANGERED OR THREATENED SPECIES**  
(See Section J of instructions)

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 JRF"

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☐ **K. PERMEABILITY TESTING** (See Section K of attached instructions)

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☐ The information required in Section K of the instructions is attached.

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☐ **L. PRELIMINARY HYDROGEOLOGIC STUDY** (See Section L of attached instructions)

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☐ The information required in Section L of the instructions is attached.

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☐ **M. DETAILED HYDROGEOLOGIC STUDY** (See Section M of attached instructions)

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☐ The information required in Section M of the instructions is attached.

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**N. RETAINING TANKS** (See Section N of attached instructions)

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The term "Retaining Tank" includes holding tanks and privies, as well as, chemical, incinerating, recycling, and composting toilets. Check the appropriate box.

☐ Yes ☒ No Does this new land development project propose either interim or long-term use of retaining tanks?

If yes, complete the remainder of Section N.

If no, completion of the remainder of Section N is not required. Proceed to Section O.

What types of retaining tanks are proposed? Check all that apply.

☐ Holding Tank    ☐ Privy    ☐ Chemical    ☐ Incinerating    ☐ Recycling    ☐ Composting

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1. **Holding Tanks** – are only to be used in new land development as an interim sewage disposal method and only for a period of time determined by DEP. A replacement sewage disposal method is required and an implementation schedule for that replacement method must be developed. Local ordinances must also be **in place** to provide for the maintenance of the tanks. Complete a. and b. below. For exceptions to these requirements see Chapter 71, Section 71.63 (Retaining Tanks).

a. The following questions will help determine if a holding tank can be used.

- 1) ☐ Yes ☐ No Does the Official Sewage Facilities plan or revision provide for replacement of the tanks?
- 2) ☐ Yes ☐ No Does the Official Sewage Facilities Plan or revision include financial assurances for the implementation of the replacement method?

If yes, what is the replacement sewage disposal method?

Method \_\_\_\_\_

If no, holding tanks may not be used.

b. Chapter 72 requires that the municipality, sewer authority or other DEP approved entity with responsibility over the holding tanks have **in place** ordinances, regulations or restrictions established to maintain the tanks as outlined in Chapter 71, Section 71.63(c)(3). Attach documentation that the responsible agency has developed these ordinances or restrictions. These projects must also complete Part 3 below (Retaining Tank Pumping and Content Disposal).

2. **Privies/Chemical Toilets**

Projects that propose privies as the method of sewage disposal must complete a, b and c below. For exceptions to these requirements see Chapter 71, Section 71.63 (Retaining Tanks).

a. Complete Section G of this Component.

b. The municipality, sewer authority, management agency or other DEP approved entity with responsibility over the site must have ordinances, regulations or restrictions established that assume responsibility for the removal of a privy and installation of an approved onlot sewage disposal system when water under pressure is provided to that lot. Attach a copy of these ordinances, regulations or restrictions.

c. These projects must also complete Part 3 below (Retaining Tank Pumping and Content Disposal).

**N. RETAINING TANKS** cont'd. (See Section N of attached instructions)**3. Retaining Tank Pumping and Content Disposal**

a) Name of Retaining Tank Cleaner \_\_\_\_\_  
 (This can be the municipality or a contracted cleaner)

Address \_\_\_\_\_

Telephone Number \_\_\_\_\_

b) Name of Disposal Site \_\_\_\_\_

Type of treatment facility \_\_\_\_\_

NPDES or Land Disposal permit number \_\_\_\_\_

County \_\_\_\_\_ Municipality \_\_\_\_\_

Attach letter of agreement with the proposed disposal site verifying adequate capacity for disposal needs. Retaining tank wastes must be disposed of at a DEP permitted facilities or sites.

c) A municipality, sewer authority, or sewage management agency may delegate or contract for the collection and disposal of retaining tank contents, except that the ultimate responsibility for the proper collection and disposal of the contents shall remain with the municipality, authority or agency.

**O. PUBLIC NOTIFICATION REQUIREMENT** (See Section O of attached instructions)

This section must be completed to determine if the applicant will be required to publish certain facts about the project in a newspaper of general circulation in accordance with Chapter 71, Section 71.53(d)(6) 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 are found in Section O 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". Check all boxes that apply.

**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?
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 Facilities Plan?
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 Chapter 71.21(a)(5)(i), (ii), (iii)?

**O. PUBLIC NOTIFICATION REQUIREMENT** (Continued)

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.

**P. FALSE SWEARING STATEMENT** (See Section P of attached instructions)

The individual performing the tests and field evaluations necessary to complete **Section G** must provide the information below and sign the false swearing statement found to the right.

CORY M. WARNER

Name (Print)

SEO

Title

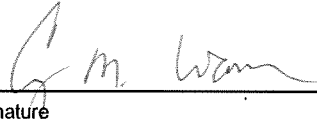
2643 GATEWAY DRIVE STATE COLLEGE PA 16801

Address

814-231-3056

Telephone Number

I verify that the soils information 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.



Signature

11/26/27

Date

Check One:

- ☒ The individual conducting these tests is a Sewage Enforcement Officer authorized to perform this work under a fee schedule established by the municipality.
- ☐ The individual conducting these tests is not a Sewage Enforcement Officer employed by the local agency in which this development is located.

The individual completing the rest of the component must provide their name, title, address, telephone number and sign the false swearing statement found to the right.

John Fisher, PE

Name (Print)

Staff Professional II

Title

2568 Park Center Blvd, State College, PA 16801

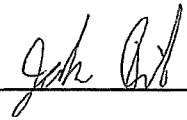
Address

8142387117

Telephone Number

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.

- ☐ A waiver of the planning requirements is requested for the residual tract of this subdivision. The requirements of Section G.2 of the instructions have been met



Signature

12/13/21

Date



**Q. MUNICIPAL ACTIONS** (Marginal conditions, Residual Tract Waiver and/or O&M option)  
(See Section Q of attached instructions)

This section is to be completed by the municipality if marginal conditions have been identified on the project site and/or if a waiver of the planning requirements has been requested for the residual tract of the subdivision and/or if an assurance of long term operation and maintenance is required by Section 71.72. If none of these conditions are met, do not complete this section.

1. ☒ The proposed development has been identified in Section G and/or Section H as having marginal conditions or other concerns for the long-term use of onlot sewage systems. The municipality has selected the following method of providing long-term sewage disposal to this subdivision: (Check one)
- ☒ Provision of a sewage management program meeting the minimum requirements of Chapter 71, Section 71.73
  - ☒ Replacement area testing
  - ☐ Scheduled replacement with sewerage facilities
  - ☐ Reduction of the density of onlot systems
- ☐ The justification required in Section Q of the instructions is attached.

2. ☐ A **waiver** of the planning requirements for the residual tract of this subdivision has been requested.

The municipality acknowledges acceptance of this proposal and requests a waiver of the sewage facilities planning requirements for the residual tract designated on the subdivision plot plan. Our municipal officials accept full responsibility now and in the future to identify any violation of this waiver and to submit to the approving agency any required sewage facilities planning for the designated residual tract should a violation occur or construction of a new sewage-generating structure on the residual tract of the subdivision be proposed. We understand that such planning information may require municipal officials to be responsible for soil testing and other environmental assessments for the residual tract in the future.

3. ☐ The **option** selected to assure long-term proper operation and maintenance, required by Title 25, PA Code, Section 71.72, for the proposed DEP permitted non-municipal sewage facility or local agency permitted community onlot sewage system is clearly identified and attached.

Amy Smith  
Chairperson or Secretary of Governing Body

Amy Smith 3/1/2022  
Signature Date

Halfmoon Township  
Municipality Name

1948 Halfmoon Valley Road  
Address

\_\_\_\_\_  
Address

(Area Code) Telephone No. (814) 692-9800

**R. PLANNING MODULE REVIEW FEE** (See Section R of attached 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 the DEP calculate the review fee for my project and send me an invoice for the correct amount. I understand the Department's review of my project will not begin until the Department receives the correct review fee from me for the project.



**R. PLANNING MODULE REVIEW FEE** cont'd. (See Section R of attached instructions)

- ☒ 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 the Department will not begin review of my project unless it receives the fee and determines the fee is correct. If the fee is incorrect, The Department will return my check or money order, send me an invoice for the correct amount. I understand the Department's 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 Centre CountyDeed Volume R Book Number 754Page Number 888 Date Recorded 4/20/1994

Formula:

# 5 Lots (or EDUs) X \$30.00 = \$ 150

- Note: (1) To calculate the review fee for any project, use the number of lots created or the whole number of project equivalent dwelling units (EDU), (whichever is greater) in the above formula.
- (2) When using the number of lots, include only the number of lots being proposed when calculating the review fee. Do not include any "Residual Land Parcel/Lot".
- (3) In all projects, the minimum sewage flow per lot is equal to 400 gallons per day (GPD) and represents a generic three-bedroom house on each lot. Projects that knowingly propose houses larger than the generic three-bedroom unit allow for the increased sewage flows from these larger units by adding 100 gallons per day for each additional bedroom in the house to this initial 400 GPD figure. The resulting project flow is in excess of the minimum 400 GPD for each lot created and must be converted into equivalent dwelling units (EDU) in order to correctly calculate the review fee. See note 4.
- (4) To determine the total number of EDUs for a project, first determine the total project flow by adding together the flow from each proposed lot. Divide this total project flow by 400 GPD and, if it is greater than the number of lots being proposed, enter this greater figure in the above formula.

Developer Name (Print) DEAN SPANOSSignature Date 12/15/2021**STOP - CALL BEFORE YOU DIG!**PENNSYLVANIA LAW REQUIRES  
THREE WORKING DAYS NOTICE

Pennsylvania One Call System, Inc.

1-800-242-1776



### COMPLETENESS CHECKLIST

The individual completing the component should use the checklist below to assure that all items are included in the planning 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.

#### ALL ONLOT/RETAINING TANK PROPOSALS

- ☒ Name and address of land development project
- ☒ USGS 7.5 minute topographic map with the development area plotted
- ☒ Project narrative
- ☒ Letter of intent to serve the project from the public water supplier (if applicable)
- ☒ Alternative analysis narrative
- ☐ Proof of public notification (if applicable) *NA*
- ☒ Plot plan of project with all required information
- ☒ A Site Investigation and Percolation Test Report forms for each soil profile examination and percolation test performed
- ☐ Preliminary Hydrogeology (if applicable) *NA*
- ☐ Permeability Testing (if applicable) *NA*
- ☐ Detailed Hydrogeology (if applicable) *NA*
- ☒ Sewage Enforcement Officer's signature
- ☒ Soils information preparer's signature
- ☒ Completed Component 4 (Planning Agency Review) for each existing planning agency and health department

Projects proposing holding tanks or privies are required to provide the following additional information.

#### HOLDING TANKS *NA*


- ☐ Copies of all ordinances, regulations, and/or restrictions governing holding tank maintenance
- ☐ Copy of the replacement method implementation schedule
- ☐ Copy of the financial assurances description for the replacement sewage disposal method
- ☐ Name of the tank cleaner/hauler
- ☐ Name and permit number of the disposal site
- ☐ Disposal site approval for holding tank contents disposal

#### PRIVIES *NA*

- ☐ Site Investigation and Percolation Test Report forms for all soil profiles and percolation tests
- ☐ Copies of ordinances, regulations, and/or restrictions for replacement of privies
- ☐ Disposal site approval for retaining tank contents disposal

#### MUNICIPAL ACTION

- ☒ Component 2, with SEO signature
- ☒ Component 4, planning agency comments and responses to those comments
- ☐ Proof of public notification *NA*
- ☐ Comments and responses generated by public notification *NA*
- ☒ Transmittal letter

  
Signature of Municipal Official

*02-24-2022*  
Date Submittal Determined Complete





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

TRANSMITTAL LETTER  
FOR SEWAGE FACILITIES PLANNING MODULE

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

TO: Approving Agency (DEP or delegated local agency)

Date 3/1/2022

Clean Water Program  
208 W. Third Street, Suite 101  
Williamsport, PA 17701-6448

Dear Sir/Madam:

Attached please find a completed sewage facilities planning module prepared by Mark Saville P.L.S.  
(Name) for Dean T. Spanos and Linda A. Spanos  
(Name)  
(Title) a subdivision, commercial, or industrial facility located in \_\_\_\_\_

Halfmoon Township, Centre

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

Amy Smith  
Municipal Secretary (print)

Amy Smith  
Signature

3/1/2022  
Date







COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Halfmoon County Centre  
Site Location Dean Spanos TP 1-21 Subdivision Name Spanos  
☒ SUITABLE Soil Type Ha Slope 9 % Depth to Limiting Zone 83 DOP Ave. Perc. Rate 19.23  
☐ UNSUITABLE ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments  
☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodway ☐ Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: Cory Warner Date: 10/27/2021

Inches	Description of Horizon
0 TO 6	10YR 4/4 Dark Yellowish Brown;Silt Loam;Granular;Very Friable
6 TO 53	10YR 5/6 Yellowish Brown;Silty Clay Loam;Mod SBK,Friable
53 TO 83	7.5YR 4/6 Strong Brown;Very Channery Loam;Mod SBK;Friable Bedrock @ 83"
TO	
TO	Areas of Decomposed rock @ 3rd Horizon
TO	

**PERCOLATION TEST:**

Percolation Test Completed by: Jonathan T. Long Date: 11/9/21  
Weather Conditions: ☐ Below 40°F ☒ 40°F or above ☒ Dry ☐ Rain, Sleet, Snow (last 24 hours)  
Soil Conditions: ☐ Wet ☒ Dry ☐ Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1		X	10 / 30	2 3/4	2 3/8	2 3/8	2 1/4	2	2	1 7/8	1 5/8
2		X	10 / 30	3 7/8	3 1/2	3 1/2	3 3/8	3 1/4			
3	X		10 / 30	5/8	5/8	5/8	3/8				
4		X	10 / 30	2	2 1/8	2 1/8	1 1/2	1 3/8	7/8	7/8	7/8
5	X		10 / 30	4 1/8	4 1/8	2 1/2	2 3/4	2 3/4	2 1/2		
6		X	10 / 30	3 7/8	3 7/8	3 7/8	3 3/4				

\*\*\*Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval.

**Calculation of Average Percolation Rate:**

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	1 5/8 "	6.2	24 "
2	3 1/4 "	3.1	24 "
3	3/8 "	80	24 "
4	7/8 "	11.4	24 "
5	2 1/2 "	12	24 "
6	3 3/4 "	2.7	24 "
TOTAL OF MIN / IN → 115.4 = 19.23			
TOTAL NO. OF HOLES → 6			

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S) [Signature]  
Sewage Enforcement Officer

☐ White - Local Agency

☐ Pink - Local DEP Office

☐ Yellow - Applicant

BKR



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Halfmoon County Centre  
Site Location Dean Spanos TP 2-21 Subdivision Name Spanos  
☒ **SUITABLE** Soil Type Mr Slope 2 % Depth to Limiting Zone 89 DOP Ave. Perc. Rate 30.61  
☐ **UNSUITABLE** ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments  
☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodway ☐ Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: Cory Warner Date: 10/27/2021

Inches	Description of Horizon
0 TO 6	10YR 4/4 Dark Yellowish Brown;Silt Loam;Granular;Very Friable
6 TO 89 DOP	7.5YR 5/6 Strong Brown;Sandy Loam;Mod SBK,Friable
TO	
TO	
TO	
TO	

**PERCOLATION TEST:**

Percolation Test Completed by: Jonathan T. Long Date: 11/9/21

Weather Conditions: ☐ Below 40°F ☒ 40°F or above ☒ Dry ☐ Rain, Sleet, Snow (last 24 hours)  
Soil Conditions: ☐ Wet ☒ Dry ☐ Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1	X		10/30	3 1/8	2 3/4	2 3/4	2 1/4	1 1/2	2 7/8	2 1/2	2 1/4
2	X		10/30	2 1/8	2	1 5/8	1 1/8	1	1 1/4	3/4	1/2
3	X		10/30	1 3/8	1/2	1/2	1/2	3/8			
4	X		10/30	2 3/8	2	1 3/4	1 1/2	1 1/4	1 1/2	1 1/4	
5		X	10/30	5 7/8	5 7/8	5 7/8	5 7/8				
6		X	10/30	2 1/4	2 3/8	2 1/8	2 1/8				

\*\*\*Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval.

**Calculation of Average Percolation Rate:**

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	2 1/4 "	13.3	24 "
2	1/2 "	60	24 "
3	3/8 "	80	24 "
4	1 1/4 "	24	24 "
5	5 7/8 "	1.7	24 "
6	2 1/8 "	4.7	24 "
TOTAL OF MIN / IN →		183.7	= 30.61
TOTAL NO. OF HOLES →		6	

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S) [Signature]  
Sewage Enforcement Officer

☐ White - Local Agency

☐ Pink - Local DEP Office

☐ Yellow - Applicant

BKR



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

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

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*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.

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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).

#### **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.





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

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

George Peters Subdivison

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

1. Date plan received by municipal planning agency 12/16/20212. Date review completed by agency 1/7/2022

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

Yes No

1. Is there a municipal comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101, *et seq.*)? Centre Region Comp Plan

2. Is this proposal consistent with the comprehensive plan for land use?

If no, describe the inconsistencies \_\_\_\_\_



3. Is this proposal consistent with the use, development, and protection of water resources?

If no, describe the inconsistencies \_\_\_\_\_



4. Is this proposal consistent with municipal land use planning relative to Prime Agricultural Land Preservation?



5. Does this project propose encroachments, obstructions, or dams that will affect wetlands?

If yes, describe impacts \_\_\_\_\_



6. Will any known historical or archaeological resources be impacted by this project?

If yes, describe impacts \_\_\_\_\_



7. Will any known endangered or threatened species of plant or animal be impacted by this project?

If yes, describe impacts \_\_\_\_\_



8. Is there a municipal zoning ordinance?



9. Is this proposal consistent with the ordinance?

If no, describe the inconsistencies \_\_\_\_\_



10. Does the proposal require a change or variance to an existing comprehensive plan or zoning ordinance?



NA



11. Have all applicable zoning approvals been obtained?



12. Is there a municipal subdivision and land development ordinance?

**SECTION C. AGENCY REVIEW (continued)**

Yes No

☐☒

13. Is this proposal consistent with the ordinance?

If no, describe the inconsistencies Waiver Requested, does not impact sewage.☒☐

14. Is this plan consistent with the municipal Official Sewage Facilities Plan?

If no, describe the inconsistencies \_\_\_\_\_

☐☒

15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?

If yes, describe \_\_\_\_\_

☐☒

16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?

☐NA ☐

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: Corey RilkTitle: Senior PlannerSignature: Corey RilkDate: 1/7/2022Name of Municipal Planning Agency: Centre Regional Planning AgencyAddress 2643 Gateway Drive State College, PA 16801Telephone Number: 814-231-3050**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.



## INSTRUCTIONS FOR COMPLETING COMPONENT 4B COUNTY PLANNING AGENCY REVIEW (or Planning Agency with Areawide Jurisdiction)

*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, 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.







COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

DEP Code #:

**SEWAGE FACILITIES PLANNING MODULE  
COMPONENT 4B - COUNTY PLANNING AGENCY REVIEW**

(or Planning Agency with Areawide Jurisdiction)

**Note to Project Sponsor:** To expedite the review of your proposal, one copy of your completed planning package and one copy of this *Planning Agency Review Component* should be sent to the county planning agency or planning agency with areawide jurisdiction for their comments.

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

Project Name

*George Peters Jr. Subdivision*

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

1. Date plan received by county planning agency 12/16/2021
2. Date plan received by planning agency with areawide jurisdiction 12/16/2021  
Agency name Centre Regional Planning Agency
3. Date review completed by agency 1/7/2022

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

- | Yes                                 | No                                  |  |
|-------------------------------------|-------------------------------------|--|
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 1. Is there a county or areawide comprehensive plan adopted under the Municipalities Planning Code (53 P.S. 10101 et seq.)? <u>Centre Region Comprehensive Plan</u>                    |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 2. Is this proposal consistent with the comprehensive plan for land use?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 3. Does this proposal meet the goals and objectives of the plan?<br>If no, describe goals and objectives that are not met _____  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 4. Is this proposal consistent with the use, development, and protection of water resources?<br>If no, describe inconsistency _____  |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 5. Is this proposal consistent with the county or areawide comprehensive land use planning relative to Prime Agricultural Land Preservation?<br>If no, describe inconsistencies: _____ |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 6. Does this project propose encroachments, obstructions, or dams that will affect wetlands?<br>If yes, describe impact _____  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 7. Will any known historical or archeological resources be impacted by this project?<br>If yes, describe impacts _____   |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 8. Will any known endangered or threatened species of plant or animal be impacted by the development project?<br>If yes, describe impacts _____  |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 9. Is there a county or areawide zoning ordinance?   |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | 10. Does this proposal meet the zoning requirements of the ordinance?<br>If no, describe inconsistencies _____   |

**SECTION C. AGENCY REVIEW (continued)**

Yes No

☐ *NA* ☒

11. Have all applicable zoning approvals been obtained?

☒ ☐

12. Is there a county or areawide subdivision and land development ordinance?

☐ *NA* ☐13. Does this proposal meet the requirements of the ordinance? *Municipal ordinance supersedes*

If no, describe which requirements are not met \_\_\_\_\_

☒ ☐

14. Is this proposal consistent with the municipal Official Sewage Facilities Plan?

If no, describe inconsistency \_\_\_\_\_

☐ ☒

15. Are there any wastewater disposal needs in the area adjacent to this proposal that should be considered by the municipality?

If yes, describe \_\_\_\_\_

☐ ☒

16. Has a waiver of the sewage facilities planning requirements been requested for the residual tract of this subdivision?

☐ *NA* ☐

If yes, is the proposed waiver consistent with applicable ordinances?

If no, describe the inconsistencies \_\_\_\_\_

☐ ☒17. Does the county have a stormwater management plan as required by the Stormwater Management Act? *Spring Creek watershed Plan*☐ ☒

If yes, will this project plan require the implementation of storm water management measures?

18. Name, Title and signature of person completing this section:

Name: *Mark Boeckel*Title: *Principal Planner*Signature: *[Signature]*Date: *1/7/2022*Name of County or Areawide Planning Agency: *Centre Regional Planning Agency*Address: *2643 Gateway Drive State College, PA 16801*Telephone Number: *814-235-7823***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.

## 1. PROJECT INFORMATION

Project Name: **George Peters Jr. Subdivision - R008987.0425**

Date of Review: **12/13/2021 09:19:59 AM**

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

Project Area: **13.04 acres**

County(s): **Centre**

Township/Municipality(s): **HALFMOON TOWNSHIP**

ZIP Code:

Quadrangle Name(s): **PORT MATILDA**

Watersheds HUC 8: **Upper Juniata**

Watersheds HUC 12: **Halfmoon Creek**

Decimal Degrees: **40.770477, -78.030017**

Degrees Minutes Seconds: **40° 46' 13.7161" N, 78° 1' 48.616" W**

## 2. SEARCH RESULTS

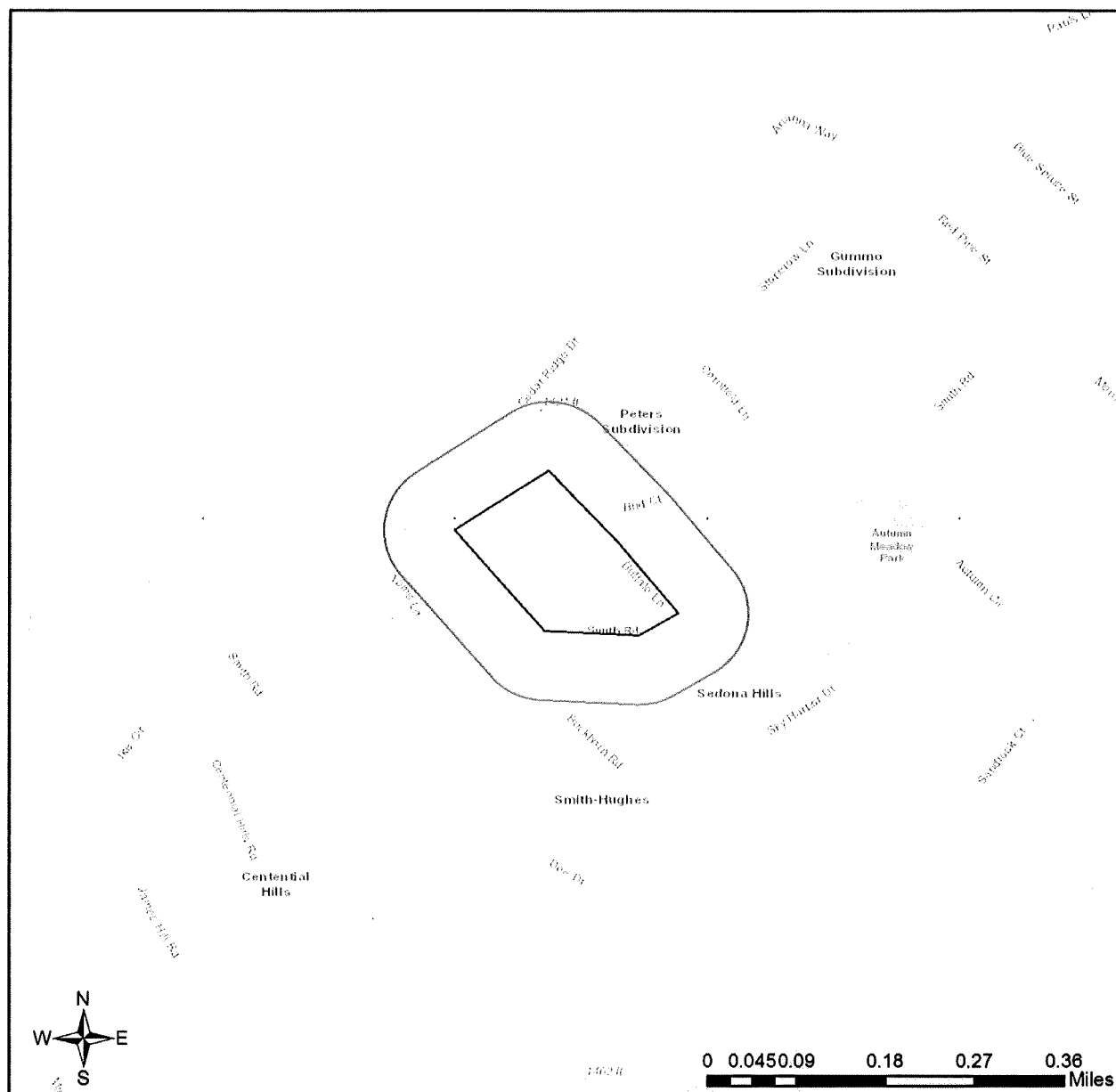
Agency	Results	Response
PA Game Commission	No Known Impact	No Further Review Required
PA Department of Conservation and Natural Resources	No Known Impact	No Further Review Required
PA Fish and Boat Commission	No Known Impact	No Further Review Required
U.S. Fish and Wildlife Service	No Known Impact	No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

- 
- A map of the Allegheny Mountains region. The Allegheny Mountains are shown as a diagonal line running from the top left to the bottom right. Pittsburgh is marked with a dot and labeled. Harrisburg and Philadelphia are also labeled. The states of Pennsylvania and Delaware are indicated. A scale bar shows distances in miles (0, 10, 20, 30, 40, 50, 60, 70, 80, 90, 100).

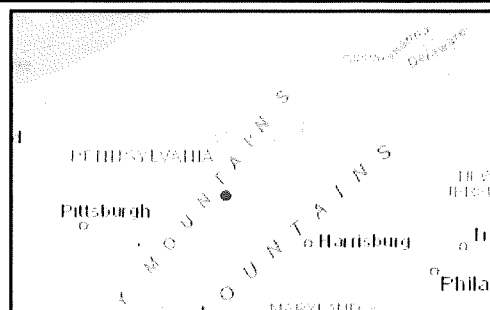
Page 2 of 6

## George Peters Jr. Subdivision - R008987.0425



- ☐ Project Boundary
- ☐ Buffered Project Boundary

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, 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:** No forests, woodlots or trees will be affected by the project.

**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](http://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](mailto: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](mailto: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](mailto:IR1_ESPenn@fws.gov)  
NO Faxes Please

### PA Game Commission

Bureau of Wildlife Habitat Management  
Division of Environmental Planning and Habitat Protection  
2001 Elmerton Avenue, Harrisburg, PA 17110-9797  
Email: [RA-PGC\\_PNDI@pa.gov](mailto:RA-PGC_PNDI@pa.gov)  
NO Faxes Please

## 7. PROJECT CONTACT INFORMATION

Name: John Fisher  
Company/Business Name: Herbert, Rowland, and Grubic  
Address: 2568 Park Center Boulevard  
City, State, Zip: State College, PA 16801  
Phone: (814) 238-7117 Fax: ( )  
Email: jfisher@hrg-inc.com

## 8. CERTIFICATION

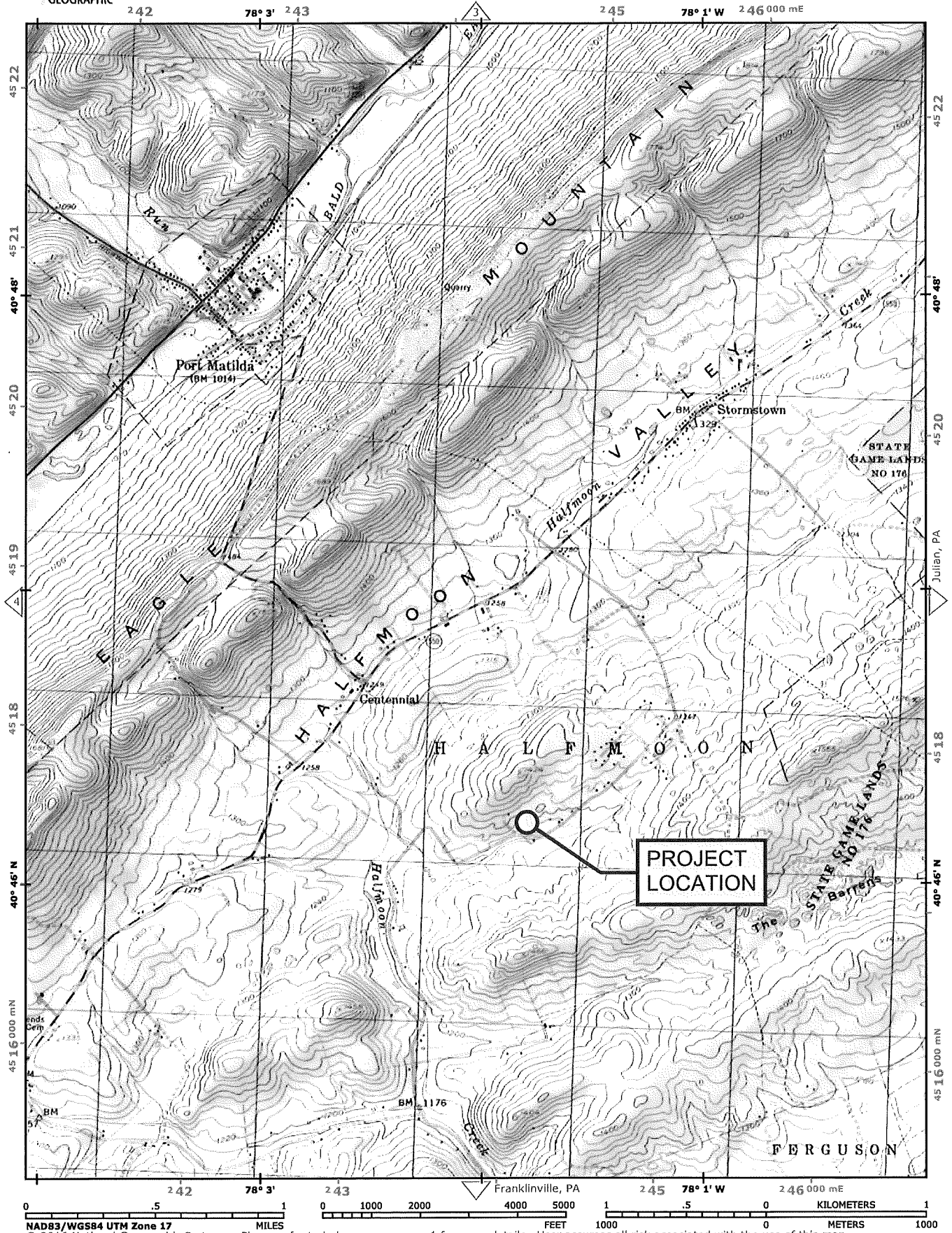
I certify that ALL of the project information contained in this receipt (including project location, project size/configuration, project type, answers to questions) is true, accurate and complete. In addition, if the project type, location, size or configuration changes, or if the answers to any questions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

John R. Fisher  
applicant/project proponent signature

12/13/21

date









## **Upper Halfmoon Water Company**

1952 Halfmoon Valley Road  
Port Matilda, PA 16870  
814-692-4309

To: Mark Saville-(HRG)

RE: Dean Spanos 4 lot Sudivision  
George Peters Jr Subdivision (Phase 5 lot 36)

Date: December 13, 2021

Mark

This letter is to confirm that the Upper Halfmoon Water Co has the reserve water capacity to serve the 4 lot Subdivision of Dean and Linda Spanos along Buffalo Lane contingent on meeting the Water Company specifications. The specifications will be determined after receiving a copy of the approved subdivision plan.

Please call with any questions.

Ben Pisoni  
System Manager  
(814) 404-0233  
[bpisoni@comcast.net](mailto:bpisoni@comcast.net)





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Halfmoon County Centre  
Site Location Dean Spanos TP 3-21 Subdivision Name Spanos  
☒ **SUITABLE** Soil Type Ha Slope 6 % Depth to Limiting Zone 64 DOP Ave. Perc. Rate 38.7  
☐ **UNSUITABLE** ☐ Mottling ☐ Seeps or Pounded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments  
☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodway ☐ Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: Cory Warner Date: 10/27/2021

Inches	Description of Horizon
0 TO 6	10YR 4/4 Dark Yellowish Brown;Silt Loam;Granular;Very Friable
6 TO 64 DOP	7.5YR 5/6 Strong Brown;Silty Clay Loam;Mod SBK,Friable
TO	
TO	<u>Bedrock at 64"</u>
TO	
TO	

**PERCOLATION TEST:**

Percolation Test Completed by: Bryan K Roan Date: 11/9/21

Weather Conditions: ☐ Below 40°F ☒ 40°F or above ☒ Dry ☐ Rain, Sleet, Snow (last 24 hours)  
Soil Conditions: ☐ Wet ☒ Dry ☐ Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1	X		10/30	3 1/8"	2 5/8"	2 3/8"	2"	1 3/4"	1 1/4"	1 1/8"	1"
2	X		10/30	1/4"	1/2"	3/8"	1/4"	-	-	-	-
3	X		10/30	1"	1 1/4"	3/4"	3/4"	3/4"	3/4"	-	-
4		X	10/30	2 1/8"	1 1/2"	2"	3/4"	1/2"	1/2"	7/8"	1/2"
5		X	10/30	2"	1/4"	2"	1"	1 1/4"	1 1/4"	1 1/8"	-
6		X	10/30	1 1/4"	1"	1 1/2"	1"	1"	1 1/2"	3/4"	3/4"

\*\*\*Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval.

**Calculation of Average Percolation Rate:**

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	1 "	30	16 "
2	1/4 "	120	16 "
3	3/4 "	40	16 "
4	1/2 "	20	16 "
5	1 1/8 "	8.9	16 " Min
6	3/4 "	13.3	16 " Inch
TOTAL OF MIN / IN →		232.2	= 38.7
TOTAL NO. OF HOLES →		6	

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S)

g m h  
Sewage Enforcement Officer

☒ White - Local Agency

☐ Pink - Local DEP Office

☐ Yellow - Applicant



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Halfmoon County Centre  
Site Location Dean Spanos TP 4-21 Subdivision Name Spanos  
☒ **SUITABLE** Soil Type Ha/Mr Slope 8 % Depth to Limiting Zone 84 DOP Ave. Perc. Rate 79.33  
☐ **UNSUITABLE** ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments  
☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodway ☐ Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: Cory Warner Date: 10/27/2021

Inches	Description of Horizon
0 TO 5	10YR 4/4 Dark Yellowish Brown;Silt Loam;Granular;Very Friable
5 TO 84 DOP	7.5YR 5/8 Strong Brown;Silty Clay ;Mod SBK,Friable
TO	
TO	
TO	
TO	

**PERCOLATION TEST:**

Percolation Test Completed by: Bryan K Roan Date: 11/9/21

Weather Conditions: ☐ Below 40°F ☒ 40°F or above ☒ Dry ☐ Rain, Sleet, Snow (last 24 hours)  
Soil Conditions: ☐ Wet ☒ Dry ☐ Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1	X		10/30	1/4"	7/8"	1 1/8"	7/8"	1"	-	-	-
2	X		10/30	4 3/8"	4 7/8"	5 7/8"	5 3/8"	4 3/4"	5"	5"	5"
3	X		10/30	1/4"	1/4"	1/8"	1/4"	-	-	-	-
4	X		10/30	1/2"	1/4"	3/8"	1/4"	-	-	-	-
5	X		10/30	1/2"	1/4"	1/4"	1/4"	-	-	-	-
6	X		10/30	1"	1/8"	3/4"	1/4"	1/2"	1/4"	3/8"	-

\*\*\*Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval.

**Calculation of Average Percolation Rate:**

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	1 "	30	24 "
2	5 "	6	24 "
3	1/4 "	120	24 "
4	1/4 "	120	24 "
5	1/4 "	120	24 "
6	3/8 "	80	24 "
TOTAL OF MIN / IN →		476	= 79.33
TOTAL NO. OF HOLES→		6	

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S) [Signature]  
Sewage Enforcement Officer

☐ White - Local Agency

☐ Pink - Local DEP Office

☐ Yellow - Applicant



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Halfmoon County Centre

Site Location Dean Spanos TP 5-21 Subdivision Name Spanos

☐ SUITABLE Soil Type Ha Slope 1 % Depth to Limiting Zone 19" Ave. Perc. Rate \_\_\_\_\_

☒ UNSUITABLE ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments

☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodway ☐ Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: Cory Warner Date: 10/27/2021

Inches	Description of Horizon
0 TO 10	10YR 3/1 Very Dark Grey;Silt Loam;Granular;Very Friable
10 TO 19	10YR 5/8 Strong Brown;Silty Clay;Mod SBK,Friable Redox @ 19"
19 TO 42	10YR 5/8 Strong Brown;Silty Clay;Mod SBK;Friable
_____ TO _____	_____
_____ TO _____	_____
_____ TO _____	_____

**PERCOLATION TEST:**

Percolation Test Completed by: \_\_\_\_\_ Date: \_\_\_\_\_

Weather Conditions: ☐ Below 40°F ☐ 40°F or above ☐ Dry ☐ Rain, Sleet, Snow (last 24 hours)

Soil Conditions: ☐ Wet ☐ Dry ☐ Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1			10/30								
2			10/30								
3			10/30								
4			10/30								
5			10/30								
6			10/30								

\*\*\*Water remaining in the hole at the end of the final 30-minute presoak? - Yes, use 30-minute interval; No, use 10-minute interval.

**Calculation of Average Percolation Rate:**

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	"		"
2	"		"
3	"		"
4	"		"
5	"		"
6	"		"
TOTAL OF MIN / IN →		=	
TOTAL NO. OF HOLES→			

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S)

G.M.H.  
Sewage Enforcement Officer

☐ White - Local Agency

☐ Pink - Local DEP Office

☐ Yellow - Applicant



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Halfmoon County Centre  
Site Location Dean Spanos TP 6-21 Subdivision Name Spanos  
☒ **SUITABLE** Soil Type Ha Slope 7.5 % Depth to Limiting Zone 23" Ave. Perc. Rate 55.11  
☐ **UNSUITABLE** ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments  
☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodway ☐ Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: Cory Warner Date: 10/27/2021

Inches		Description of Horizon
0	TO 10	10YR 3/1 Very Dark Grey;Silt Loam;Granular;Very Friable
10	TO 23	10YR 5/8 Strong Brown;Silty Clay;Mod SBK;Friable Redox @ 23"
22	TO 35 DOP	10YR 5/8 Strong Brown;Silty Clay;Mod SBK;Friable
	TO	
	TO	
	TO	

**PERCOLATION TEST:**

Percolation Test Completed by: Jonathan T. Long Date: 11/9/21

Weather Conditions: ☐ Below 40°F ☒ 40°F or above ☒ Dry ☐ Rain, Sleet, Snow (last 24 hours)  
Soil Conditions: ☐ Wet ☒ Dry ☐ Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1	X		10/30	1/2	1/2	5/8	5/8				
2		X	10/30	1 3/4	1 3/4	1 1/2	1 1/4	1 1/8	1	1	
3	X		10/30	1/2	1/4	1/4	1/4				
4	X		10/30	1 1/8	1 1/8	1 1/8	1 5/8	1 1/2	1 1/2	1 3/8	
5	X		10/30	1/4	1/4	1/8	1/4				
6	X		10/30	2 7/8	2 1/2	2 1/2	2 3/4	2 3/4			

\*\*\*Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval.

**Calculation of Average Percolation Rate:**

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	5/8 "	48	20 "
2	1 "	10	20 "
3	1/4 "	120	20 "
4	1 3/8 "	21.8	20 "
5	1/4 "	120	20 "
6	2 3/4 "	10.9	20 " Min
TOTAL OF MIN / IN →		330.7	= 55.11
TOTAL NO. OF HOLES →		6	Inch

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S)

[Signature]  
Sewage Enforcement Officer

☐ White - Local Agency

☐ Pink - Local DEP Office

☐ Yellow - Applicant

BKR







COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Halfmoon County Centre  
Site Location Dean Spanos TP 8-21 Subdivision Name Spanos  
☒ SUITABLE Soil Type Ha Slope 11 % Depth to Limiting Zone 72 DOP Ave. Perc. Rate 23.22  
☐ UNSUITABLE ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments  
☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodway ☐ Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: Cory Warner Date: 10/27/2021

Inches	Description of Horizon
0 TO 7	10YR 4/4 Dark Yellowish Brown; Silt Loam; Granular; Very Friable
7 TO 72 DOP	7.5YR 5/6 Strong Brown; Silty Clay Loam; Mod SBK, Friable Bedrock @ 72"
TO	
TO	Cobbly Boulders in 2nd Horizon
TO	
TO	

**PERCOLATION TEST:**

Percolation Test Completed by: Bryan K Roan Date: 11/10/21

Weather Conditions: ☐ Below 40°F ☒ 40°F or above ☒ Dry ☐ Rain, Sleet, Snow (last 24 hours)  
Soil Conditions: ☐ Wet ☒ Dry ☐ Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1		X	10/30	1 1/2"	1 1/2"	1 1/4"	1 1/2"	-	-	-	-
2		X	10/30	4 1/4"	1 1/4"	1 7/8"	1 7/8"	1 7/8"	1 1/2"	1 5/8"	1 1/2"
3	X		10/30	1/4"	1/2"	1/4"	1/2"	-	-	-	-
4	X		10/30	4 1/4"	3 1/4"	3"	3"	2 3/4"	2 3/4"	-	-
5	X		10/30	1 1/4"	2"	2 1/4"	2"	2"	-	-	-
6	X		10/30	1/4"	1 1/2"	1/2"	1"	3/4"	7/8"	3/4"	-

\*\*\*Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval.

**Calculation of Average Percolation Rate:**

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	1 1/2 "	6.7	24 "
2	1 1/2 "	6.7	24 "
3	1/2 "	60	24 "
4	2 3/4 "	10.9	24 "
5	2 "	15	24 "
6	3/4 "	40	24 "
TOTAL OF MIN / IN →		139.3	= 23.22
TOTAL NO. OF HOLES →		6	

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S) [Signature]  
Sewage Enforcement Officer

☐ White - Local Agency

☐ Pink - Local DEP Office

☐ Yellow - Applicant



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Halfmoon County Centre  
Site Location Dean Spanos TP 9-21 Subdivision Name Spanos  
☒ **SUITABLE** Soil Type Ha/Mr Slope 7 % Depth to Limiting Zone 23 Ave. Perc. Rate 30.98  
☐ **UNSUITABLE** ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments  
☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodway ☐ Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: Cory Warner Date: 10/27/2021

Inches	Description of Horizon
0 TO 6	10YR 4/4 Dark Yellowish Brown;Silt Loam;Granular;Very Friable
6 TO 23	10YR 5/8 Yellowish Brown;Silty Clay;Mod SBK;Friable
23 TO 48	10YR 5/8 Yellowish Brown;Silty Clay;Mod SBK;Friable Redox @ 23
48 TO 84 DOP	7.5YR 5/8 Strong Brown;Sandy Loam;Mod. SBK; Friable
TO _____	_____
TO _____	_____

**PERCOLATION TEST:**

Percolation Test Completed by: Bryan K Roan Date: 11/10/21

Weather Conditions: ☐ Below 40°F ☒ 40°F or above ☒ Dry ☐ Rain, Sleet, Snow (last 24 hours)  
Soil Conditions: ☐ Wet ☒ Dry ☐ Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1		X	10/30	3 1/2"	2 3/4"	2/12"	1 3/4"	1 5/8"	1 1/2"	1 1/4"	1"
2	X		10/30	1 5/8"	1"	1"	1"	1 1/4"	-	-	-
3	X		10/30	1 1/2"	1 1/4"	3/8"	7/8"	5/8"	3/4"	3/4"	-
4	X		10/30	5/8"	1/2"	3/8"	3/8"	-	-	-	-
5	X		10/30	1 3/4"	1 7/8"	1"	1"	7/8"	1"	-	-
6		X	10/30	5 3/4"	5 1/4"	5 1/4"	5 3/4"	4 3/4"	4 7/8"	4 3/4"	5 1/4"

\*\*\*Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval.

**Calculation of Average Percolation Rate:**

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	1 "	10	20 "
2	1 1/4 "	24	20 "
3	3/4 "	40	20 "
4	3/8 "	80	20 "
5	1 "	30	20 "
6	5 1/4 "	1.9	20 " Min Inch
TOTAL OF MIN / IN →		185.9	= 30.98
TOTAL NO. OF HOLES →		6	

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S)

[Signature]  
Sewage Enforcement Officer

☐ White - Local Agency

☐ Pink - Local DEP Office

☐ Yellow - Applicant



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Halfmoon County Centre  
Site Location Dean Spanos TP 10-21 Subdivision Name Spanos  
☒ **SUITABLE** Soil Type Mr Slope 6 % Depth to Limiting Zone 84 DOP Ave. Perc. Rate 18.73  
☐ **UNSUITABLE** ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments  
☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodway ☐ Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: Cory Warner Date: 10/27/2021

Inches	Description of Horizon
0 TO 6	10YR 4/4 Dark Yellowish Brown; Silt Loam; Granular; Very Friable
6 TO 84 DOP	10YR 5/8 Yellowish Brown; Sandy Loam; Mod SBK, Friable
TO	
TO	
TO	
TO	

**PERCOLATION TEST:**

Percolation Test Completed by: Jonathan T. Long Date: 11/10/21

Weather Conditions: ☐ Below 40°F ☒ 40°F or above ☒ Dry ☐ Rain, Sleet, Snow (last 24 hours)  
Soil Conditions: ☐ Wet ☒ Dry ☐ Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1	X		10 / 30	1 5/8	1	3/4	3/4	5/8	5/8		
2		X	10 / 30	5 1/2	4 7/8	4 5/8	4 5/8	4	3 3/4	3 5/8	3 1/4
3	X		10 / 30	1 1/2	1 3/8	5/8	3/4	5/8	3/4		
4		X	10 / 30	4 7/8	4 3/8	4 1/8	4	3 3/4	3 7/8	3 3/4	
5		X	10 / 30	2 1/2	2 1/8	2	1 7/8	1 7/8			
6	X		10 / 30	3 3/4	3 1/8	2 1/2	2 3/8	2 1/4	2 1/4		

\*\*\*Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval.

**Calculation of Average Percolation Rate:**

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	5/8 "	48	24 "
2	3 1/4 "	3.1	24 "
3	3/4 "	40	24 "
4	3 3/4 "	2.7	24 "
5	1 7/8 "	5.3	24 "
6	2 1/4 "	13.3	24 " Min
TOTAL OF MIN / IN →		112.4	= 18.73
TOTAL NO. OF HOLES →		6	Inch

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S) [Signature]  
Sewage Enforcement Officer

☐ White - Local Agency

☐ Pink - Local DEP Office

☐ Yellow - Applicant

BKR



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF CLEAN WATER

**SITE INVESTIGATION AND PERCOLATION  
TEST REPORT FOR ONLOT DISPOSAL OF SEWAGE**

INSTRUCTIONS FOR COMPLETION OF THIS FORM ARE LOCATED ON THE REVERSE SIDE

Application No. \_\_\_\_\_ Municipality Halfmoon County Centre  
Site Location Dean Spanos TP 11-21 Subdivision Name Spanos  
☒ **SUITABLE** Soil Type Ha/Mr Slope 10 % Depth to Limiting Zone 36 Ave. Perc. Rate 25.06  
☐ **UNSUITABLE** ☐ Mottling ☐ Seeps or Ponded Water ☐ Bedrock ☐ Fractures ☐ Coarse Fragments  
☐ Perc. Rate ☐ Slope ☐ Unstabilized Fill ☐ Floodway ☐ Other \_\_\_\_\_

**SOILS DESCRIPTION:**

Soils Description Completed by: Cory Warner Date: 10/27/2021

Inches	Description of Horizon
0 TO 8	10YR 4/4 Dark Yellowish Brown;Silt Loam;Granular;Very Friable
8 TO 36	10YR 5/8 Yellowish Brown;Silty Clay Loam;Mod SBK,Friable Redox @ 36
36 TO 84	5YR 5/8 Yellowish Red;Sandy Loam;Mod SBK;Friable
TO	
TO	
TO	

**PERCOLATION TEST:**

Percolation Test Completed by: Jonathan T. Long Date: 11/10/21

Weather Conditions: ☐ Below 40°F ☒ 40°F or above ☒ Dry ☐ Rain, Sleet, Snow (last 24 hours)  
Soil Conditions: ☐ Wet ☒ Dry ☐ Frozen

Hole No.	***		Reading Interval	Reading No. 1:	Reading No. 2:	Reading No. 3:	Reading No. 4:	Reading No. 5:	Reading No. 6:	Reading No. 7:	Reading No. 8:
	Yes	No		Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop	Inches of drop
1	X		10 / 30	1 3/8	1/4	1/4	1/4	1/4			
2		X	10 / 30	5 7/8	4 1/8	4 1/8	4 1/8	4 1/8			
3		X	10 / 30	2	1 7/8	1 3/4	1 1/2	1 1/2	1 1/4	1 1/4	
4		X	10 / 30	1 5/8	1 1/4	1 3/8	1 3/8	1 3/8			
5		X	10 / 30	2	1 7/8	1 3/4	1 1/2	1 1/2	1 1/4	1	1
6		X	10 / 30	4	4 1/8	4 1/2	4 3/8	4 3/8	3 5/8	3 3/4	3 3/4

\*\*\*Water remaining in the hole at the end of the final 30-minute presoak? Yes, use 30-minute interval; No, use 10-minute interval.

**Calculation of Average Percolation Rate:**

Hole No.	Drop during final period	Perc. Rate as Minutes/Inch	Depth of Hole
1	1/4 "	120	20 "
2	4 1/8 "	2.4	20 "
3	1 1/4 "	8	20 "
4	1 3/8 "	7.3	20 "
5	1 "	10	20 "
6	3 3/4 "	2.7	20 " Min
TOTAL OF MIN / IN →			150.4 = 25.06
TOTAL NO. OF HOLES →			6

The information provided is the true and correct result of tests conducted by me, performed under my personal supervision, or verified in a manner approved by DEP.

(S)

Sewage Enforcement Officer

☐ White - Local Agency

☐ Pink - Local DEP Office

☐ Yellow - Applicant

BKR



## **Project Narrative**

### **For George Peters Jr. Subdivision – Component 2 Sewage Facilities Planning Module**

The existing single lot contains 11.00 acres, more or less and is a residential lot located on Tax Parcel 17-415-019 in Halfmoon Township. The proposed subdivision will include 4 new lots containing 2 acres planned for single family residences directly adjacent to 275 Smith Road in Halfmoon Township. The residual lot will remain residential.

There is no other adjacent property owned by the developer which would be connected as a future phase to this proposed subdivision.

The proposed sewage flow for the existing and new lots will be 400 gallons per day each or 2,000 gallons per day total, based on Pennsylvania Code, Chapter 73 §73.17 for a 3 bedroom or less single family residence. The proposed residential lots will be served by individual on-lot septic systems which are approved in the Act 537 plan for this area. The existing lot will continue to be served by an on-lot septic system with a reserve location tested as part of this project. The surrounding lots are also served by on-lot septic systems. Testing was done on November 9, 2021 for the lots.

There are no water supplies within 100' of the testing locations. The existing and proposed lot had testing conducted for both a primary and backup on-lot septic system location on each lot. Any future water systems will be placed greater than 100' away from the tested locations. See Site Investigations Report and Subdivision plan for test pit locations and additional information.

This project is exempt from the conditions set forth in DEP Technical Guidance 012-0700-001 *Implementation of the PA State History Code*. This project proposes earth disturbances less than the 10-acre disturbance limit set forth for exemption. This project also does not propose any demolition or modification of any buildings that are 40 years or older. This project also does not require any state or federal funding to complete in its entirety.

The property does not contain any flood plains as defined by FEMA, as shown on Map #42027C0139F, Effective Date May 4, 2009. The property does not contain any wetlands or hydric soils per National Wetland Inventory or USDA mapping.





**George Peters Jr. Subdivision  
DEP-Sewage Facilities Planning Module  
Alternative Sewage Facilities Analysis**

**Project Description**

The existing single lot contains 11.00 acres, more or less and is a residential lot located on Tax Parcel 17-415-019 in Halfmoon Township. The proposed subdivision will include 4 new lots containing 2 acres planned for single family residences directly adjacent to 275 Smith Road in Halfmoon Township.

**Component 2**

1. Wastewater generated from a potential future single family residence will be conveyed on site to a proposed individual on-lot disposal system. The site will have 5 EDU. Average daily flows are estimated to be approximately 2,000 gpd.
2. The land use in the direct vicinity of the site is considered to be residential. The lots in the direct vicinity are served by individual on-lot septic systems.
3. There are no improvements proposed for existing sewage collection, conveyance, or treatment facilities as a result of this project.
4. The site location is within the area designated in the Act 537 plan to be served by individual on-lot disposal systems.
5. The site will be part of the Sewage Management Program.
6. The wastewater generated from this project is the result of a property zoned residential in Halfmoon Township. The site has adequate locations for an individual on-lot disposal system that could be used for a reserve system for the existing or should the areas ever be deemed inadequate for on-lot septic. A reserve system location was tested for the existing lot and each new lot as part of this project for the new and residual lots.
7. An on-lot system is the only feasible system in this area for the proposed lot. The site has adequate locations for an individual on-lot disposal system. A reserve system for the existing or proposed lots shall be constructed should the tested areas ever be deemed inadequate for on-lot septic.
8. The owner is responsible for compliance with water quality standards and effluent limitations..
9. There are no other special considerations related to the proposed disposal method.



## RESOLUTION FOR PLAN REVISION FOR NEW LAND DEVELOPMENT

RESOLUTION OF THE (SUPERVISORS) (COMMISSIONERS) (COUNCILMEN) of Halfmoon  
(TOWNSHIP) (BOROUGH) (CITY), Centre COUNTY, PENNSYLVANIA (hereinafter "the municipality").

**WHEREAS** Section 5 of the Act of January 24, 1966, P.L. 1535, No. 537, known as the *Pennsylvania Sewage Facilities Act*, as Amended, and the rules and Regulations of the Pennsylvania Department of Environmental Protection (DEP) adopted thereunder, Chapter 71 of Title 25 of the Pennsylvania Code, require the municipality to adopt an Official Sewage Facilities Plan providing for sewage services adequate to prevent contamination of waters of the Commonwealth and/or environmental health hazards from sewage wastes, and to revise said plan whenever it is necessary to determine whether a proposed method of sewage disposal for a new land development conforms to a comprehensive program of pollution control and water quality management, and

**WHEREAS** Dean T & Linda A Spang has proposed the development of a parcel of land identified as  
land developer

George Petrus Jr. Subdivision, and described in the attached Sewage Facilities Planning Module, and  
name of subdivision

proposes that such subdivision be served by: (check all that apply), ☐ sewer tap-ins, ☐ sewer extension, ☐ new treatment facility, ☒ individual onlot systems, ☐ community onlot systems, ☐ spray irrigation, ☐ retaining tanks, ☐ other, (please specify). \_\_\_\_\_

**WHEREAS**, Halfmoon Township finds that the subdivision described in the attached  
municipality

Sewage Facilities Planning Module conforms to applicable sewage related zoning and other sewage related municipal ordinances and plans, and to a comprehensive program of pollution control and water quality management.

**NOW, THEREFORE, BE IT RESOLVED** that the (Supervisors) (Commissioners) (Councilmen) of the (Township) (Borough) (City) of Halfmoon hereby adopt and submit to DEP for its approval as a revision to the "Official Sewage Facilities Plan" of the municipality the above referenced Sewage Facilities Planning Module which is attached hereto.

I Amy M. Mink, Secretary, Halfmoon  
(Signature)

Township Board of Supervisors (Borough Council) (City Councilmen), hereby certify that the foregoing is a true copy of the Township (Borough) (City) Resolution # 2022-13 adopted, February 24, 2022.

Municipal Address:

Halfmoon Township  
1948 Halfmoon Valley Road  
Port Matilda PA 16870  
Telephone 814-692-9800

