

**PLEASE NOTE:**

**THE SEWAGE DISPOSAL SYSTEM**

**PERMIT**

**IS VALID FOR THREE YEARS**

**FROM THE DATE THE PERMIT**

**ISSUED**

**TOWNSHIP OF THORNBURY**  
DELAWARE COUNTY  
LICENSE & INSPECTIONS  
6 Township Drive  
Cheyney, PA 19319  
Telephone: 610-399-0844

**SEWAGE APPLICATION RECORD FORM  
AND  
SEWAGE APPLICATION RIDER**

Application No. \_\_\_\_\_  
(in RED on state application form)

Name of Applicant: \_\_\_\_\_  
(owner, owner in equity or authorized agent) Telephone No. \_\_\_\_\_

Address of Applicant: \_\_\_\_\_

Site Address: \_\_\_\_\_

Subdivision Name (if applicable): \_\_\_\_\_

Signature: \_\_\_\_\_  
(Property OWNER)

COMPLETE ALL THAT APPLIES:

- |                                      |                                      |
|--------------------------------------|--------------------------------------|
| <input type="checkbox"/> Residential | <input type="checkbox"/> Commercial  |
| <input type="checkbox"/> Repair      | <input type="checkbox"/> Replacement |

\_\_\_\_\_ Number of bedrooms, if residential

\_\_\_\_\_ Gallon flow per day, if other than residential

**PLEASE COMPLETE REVERSE SIDE**

All of the above information is to be supplied by the applicant. At the time this form is completed, also complete Part I of the actual "State Sewage Application" so that the same information is supplied on both forms. Return only this form with the appropriate fee. An additional fee may be required prior to permit issuance. Keep State application until all testing and drawings have been completed.

**FOR DEPARTMENT USE ONLY**

1<sup>ST</sup> FEE \$ \_\_\_\_\_ Check No. \_\_\_\_\_ 2<sup>nd</sup> Fee \$ \_\_\_\_\_ Check No. \_\_\_\_\_

Date \_\_\_\_\_

Date \_\_\_\_\_

**SEWAGE APPLICATION RIDER**

Application No.: \_\_\_\_\_

Date: \_\_\_\_\_

I, (We), \_\_\_\_\_  
(Name of applicant) (Telephone No.)

\_\_\_\_\_  
(Address)

Owner, owner in equity, or authorized agent of the real property located in the Township of Thornbury, County of Delaware, and Commonwealth of Pennsylvania, more specifically described as follows:

\_\_\_\_\_  
(Site Address)

do hereby authorize, empower and appoint:

Name of person who will actually do testing and designing: \_\_\_\_\_

Address: \_\_\_\_\_ Telephone

as my (our) lawful agent exclusively and specifically with reference only to on-lot sewage disposal on the property described above. My agent herein named, is authorized, among other things, to file applications, conduct tests, attend meetings, receive notices and to do any and all other acts necessary for the permitting of said system(s). My agent is specifically authorized, in my absence, to receive the notice required by 35 P.S. 750.7 Et. Seq.

\_\_\_\_\_  
**(Applicant Signature)**

\_\_\_\_\_  
**(Applicant Signature)**

**THORNBURY TOWNSHIP**  
**DELAWARE COUNTY**  
**LICENSE & INSPECTIONS**  
6 Township Drive  
Cheyney, PA 19319

**APPLICATION PROCEDURE FOR ON-SITE SEWAGE DISPOSAL**

Township Record Form and State Application Form (ER-BWD 190) shall be signed by the owner, owner in equity, or a person who is an authorized agent of the owner or owner in equity of the property.

**DEFINITIONS**

**OWNER** - One currently holding fee simple title to the property.

**OWNER IN EQUITY** - One currently holding a valid agreement of sale.

**AUTHORIZED AGENT** - One currently holding a notarized document, signed by the owner or owner in equity, giving him power for a specified period to act for the owner or owner in equity.

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**PROCEDURE**

1. Complete "Township Record Form" (front of form), including signature of owner, owner in equity or authorized agent.
2. The "Sewage Application Rider Form" (back of form) must be completed in all cases. The Rider shall specify the name of the contractor who will conduct testing and design the system. The only exception to this rule is if the owner, owner in equity or authorized agent will conduct the actual work required for testing, design the system, and submit all records and forms to the Township.

The owner, owner in equity or authorized agent shall sign the Rider and have his signature notarized. The Application Number, shown in red on the State Application form, shall also be shown on the front and back of the Township form to prevent discrepancies.

3. The first four lines of Part I of the State form shall be completed at this time. The owner, owner in equity or authorized agent must also sign this form as the applicant. Do not commence or complete Parts II, or III of the application at this time.
4. Submit the completed "Township Record Form" and the State Form with Part I completed to the office of Licenses & Inspections with the applicable fee (see below).

<b>ALL on-site individual systems on a <u>residential</u> lot</b>	<b>- \$600.00</b>
<b>ALL systems on <u>other than a residential</u> lot</b>	<b>- \$600.00</b>
<b>REPAIRS to existing system*</b>	<b>- \$300.00</b>
<b>Permit transfers</b>	<b>- \$ 45.00</b>

**\* This does not include replacement of absorption area as noted in fee #2.**

**NOTES:**

- A. Be certain that both forms are completed as indicated above and that both forms specify the same application number.
  - B. The same name and signature must appear as the applicant on the front and back of the Township form and on the State application form.
  - C. It is important that you realize that the permit will be issued in the name of the applicant. If the applicant is not the owner of record at the time a building permit application is submitted, a transfer of the Sewage Permit will be necessary.
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After the fee has been paid, you will receive all applicable forms required to proceed with testing and subsequent design of the system for possible permit issuance.

IF THE APPLICANT IS AN AUTHORIZED AGENT OF THE OWNER OR OWNER IN EQUITY, THE **AUTHORIZATION FORM** PROVIDED BY THORNBURY TOWNSHIP, LICENSES & INSPECTIONS, MUST BE COMPLETED AND ATTACHED.

IF THE FORM IS SIGNED BY THE OWNER IN EQUITY, AN **AGREEMENT OF SALE** MUST ALSO BE ATTACHED AFFIRMING THE OWNER IN EQUITY.

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**NOTICE**

Pits that are not 50' apart and at equal elevation, as determined by the appropriate instrument (not by eye)  
will not be observed.

Pits that have been excavated prior to the day of inspection  
will not be observed.

Pits must be dug with a 3' backhoe.

The slope into the pit must be no greater than 25%.

All roots preventing entry into the pit must be cut off.

**THERE ARE NO EXCEPTIONS TO THE ABOVE DIRECTIVES!!!**

12/11/01

**APPLICATION AND PERMIT PROCEDURE  
FOR ON-LOT SEWAGE DISPOSAL SYSTEMS  
THORNBURY TOWNSHIP, DELAWARE COUNTY**

The following requirements and procedures must be strictly followed when seeking a permit for an on-lot sewage disposal system in Thornbury Township, Delaware County.

**Step 1.** Prior to scheduling on-lot testing, the Township "Sewage Application Record Form and/or Contractor/Agent Form" must be properly completed and signed by the owner, owner in equity or authorized agent.

If someone other than the property owner will be filing the application, conducting soil probes, percolation tests and/or acting on behalf of the property owner(s) in any way, the Contractor/Agent Notification Form must be completed before any work will be scheduled. The Application No. shown in red on The PADEP Sewage Application Form (ER-BWQ-290) must be included on the Sewage Application Record form and/or the Contractor/Agent Notification Form and used in any future correspondence.

**Step 2.** Prior to any scheduling of on-lot testing, the applicable fee must be submitted to the Township Sewage Enforcement Officer (SEO) at Thornbury Township Building, 6 Township Drive Cheyney PA 19319. Checks shall be made payable to ***Thornbury Township***.

On-lot testing can be scheduled with the Thornbury Township SEO only after Steps 1 and 2 have been completed. All testing will be scheduled within 20 working days of receipt of the completed Sewage Application Record Form and/or Contractor/Agent Form and fee.

**Step 3.** Prior to the SEO inspecting soil probes a Pa-One-Call Serial Number must be obtained by the applicant evidencing that all utilities have been marked in the field. This must be completed no less than three (3) and no more than ten (10) working days prior to the scheduled soil probe inspection. This number must be presented to the SEO before any excavation takes place. No soil probes will be observed without a PA One-Call serial number.

Upon obtaining the Pa-One-Call number, two (2) soil probes along the same contour will be required for each site. Tree roots within the soil probe shall be cut and removed by the contractor. The SEO will evaluate all test pits and provide a soil profile for each acceptable soil probe. All soil probes must be evaluated by the SEO prior to conducting any percolation tests. Upon completion of the soil profiles, all probes must be backfilled within 48 hours.

**Note: It is the SEO's responsibility to observe, record, determine limiting zones and verify location of all testing as measured by the contractor. If property lines are not clearly identifiable, a property survey may be required to ensure all isolation distances are maintained.**

**Step 4.** Percolation test holes must be dug and the test run in accordance with the Township SEO's requirements. The depth of the percolation holes will be determined after the evaluation of the soil probes. The SEO must be present for each phase of the percolation tests to ensure conformance with Township and State rules and regulations. Upon completion of the percolation test, the holes must be backfilled within 48 hours.

**Note: All percolation test measurements shall be made utilizing a float tube device placed in each individual perc hole. No tests will be conducted without such devices.**

**Step 5.** Following completion of the percolation tests, the applicant is to submit completed test results to the SEO. All percolation results must be submitted on form ER-BWQ-290 Appendix A.

Please note all permits, procedures and inspections are completed to ensure compliance with State and Local regulations only. Applicant, his/her agent(s) and/or assign(s) are responsible for the accurate installation, proper functioning and maintenance of the permitted system. Applicant shall hold harmless the Township and the Township's appointed SEO from any and all liability arising from the review, permitting and/or installation of the system.

**Step 6.** All designs must be submitted on State Form ER-BWQ-290 (Application for an On-Lot Sewage Disposal System Permit). The instructions for completing the application are found on the back of the form and must be strictly followed. Attached is a copy of all design requirements. If any of the items required by the instructions are missing or incomplete the application will be considered incomplete and will be returned.

Once a permit for an on-lot system is issued, a copy must be available at the job site during construction. No system or portion thereof may be covered prior to final inspection and written approval is given by the SEO.

A permit may be revoked for reasons as set forth in Section 7(b)(6) of the Pennsylvania Sewage Facilities Act.

**IMPORTANT**

**NOTICE**

**PITS THAT ARE NOT 50' APART AND AT EQUAL ELEVATION  
AS DETERMINED BY THE APPROPRIATE INSTRUMENT (NOT BY EYE)  
WILL NOT BE OBSERVED.**

**PITS THAT HAVE BEEN EXCAVATED PRIOR TO THE DAY OF INSPECTION  
WILL NOT BE OBSERVED.**

**PITS MUST BE DUG WITH A 3 FOOT BACKHOE.**

**THE SLOPE INTO THE PIT MUST BE NO GREATER THAN 25%.**

**ALL ROOTS PREVENTING ENTRY INTO THE PIT MUST BE CUT OFF.**

**THE UPSLOPE SIDE OF THE PROBE SHALL HAVE A  
STRAIGHT FACE. THE DOWN SLOPE FACE SHALL  
BE BENCHED BACK A MINIMUM OF 3 FEET  
DEEP AND WIDE.**

**THERE ARE NO EXCEPTIONS TO THE ABOVE DIRECTIVES!**

**SITE PREPARATION REQUIREMENTS AND PROCEDURES FOR  
OBSERVATION OF SOIL PROBES, PERCOLATION TESTING AND  
ABSORPTION AREA REQUIREMENTS**

**Thornbury Township Delaware County**

All persons conducting on-site testing of the sewage system must have experience with on-lot sewage disposal systems and Act 537, the Pennsylvania Sewage Facilities Act.

**SOIL PROBES**

1. Each lot to be tested must be clearly pinned or staked so that the SEO can easily and clearly identify all property corners, lot lines, easements, rights of way or any other features which must be considered in the placement of on-lot sewage systems. A property survey may be required to ensure all isolation distances are maintained. All existing sewage systems and wells on the property being tested and neighboring properties must be clearly identified to insure isolation distances will be met.
2. A minimum of two (2) soil probes are required for each test site. More test pits may be required if deemed necessary by the SEO. The test pits must be dug 50 feet apart and at an equal elevation. The elevation of the probes must be determined by an appropriate instrument and not by eye. All conclusions shall have either a laser or transit on site. No probes will be observed otherwise. The depth of the soil probe excavation must be to the top of any limiting zone or a maximum of seven (7) feet.

The Applicant/Agent is required to have someone at the site with the SEO during observation of all soil probes. No soil probes will be observed by the SEO alone.

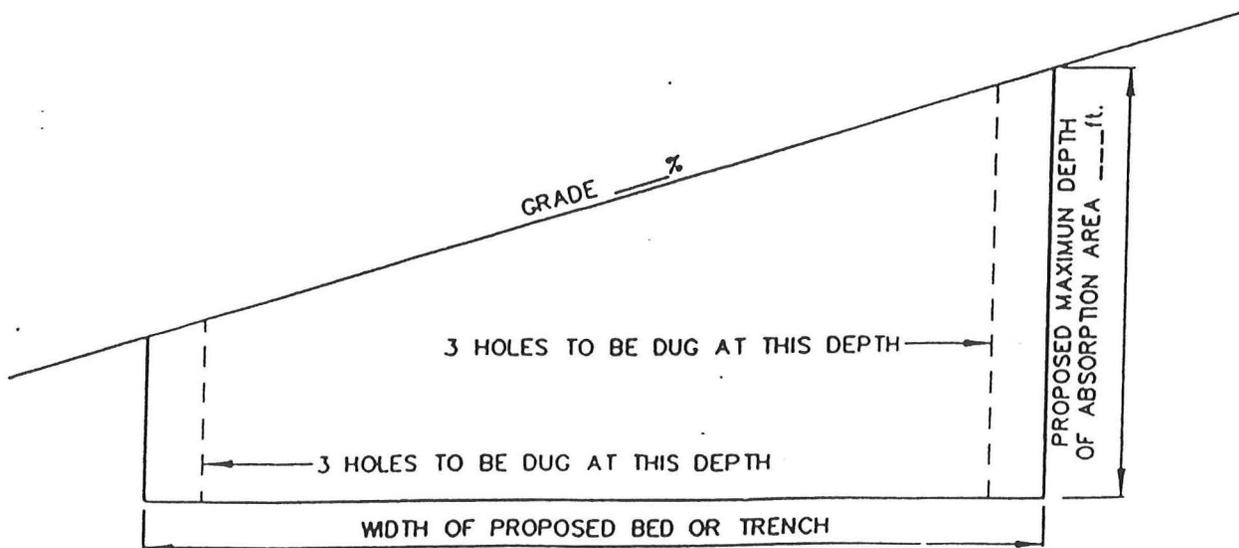
Soil probes must be excavated to a width of three (3) feet and benched on one side. The probes must also be excavated parallel to the contour of the land.

The SEO has the right to cancel any soil probe evaluations due to inclement weather conditions or if the soil is saturated. This can cause a hazardous condition and the SEO has the right to refuse to enter any test pit which is unsafe. If soil probe evaluations are canceled, observations will be rescheduled at the next available date in the schedule of the SEO.

## Percolation Testing

1. Six or more holes shall be required for each separate test and shall be spaced uniformly over each proposed area. These holes shall be oriented parallel to the ground contour. All percolation holes located within the proposed absorption area shall be used in the calculation of the arithmetical average percolation rate.
2. A hole having a uniform diameter of 6 to 10 inches shall be dug or bored as follows:
  - a) To the depth of the proposed absorption area, where the limiting zone is 60 inches or more from the mineral soil surface. Three or more holes will be to the depth of the absorption area at the deep side of the bed or trench. An equal amount of holes will be to the depth of the shallow side of the trench or bed.

(See figure #   1   and NOTE)



**FIGURE 1**

N.T.S.

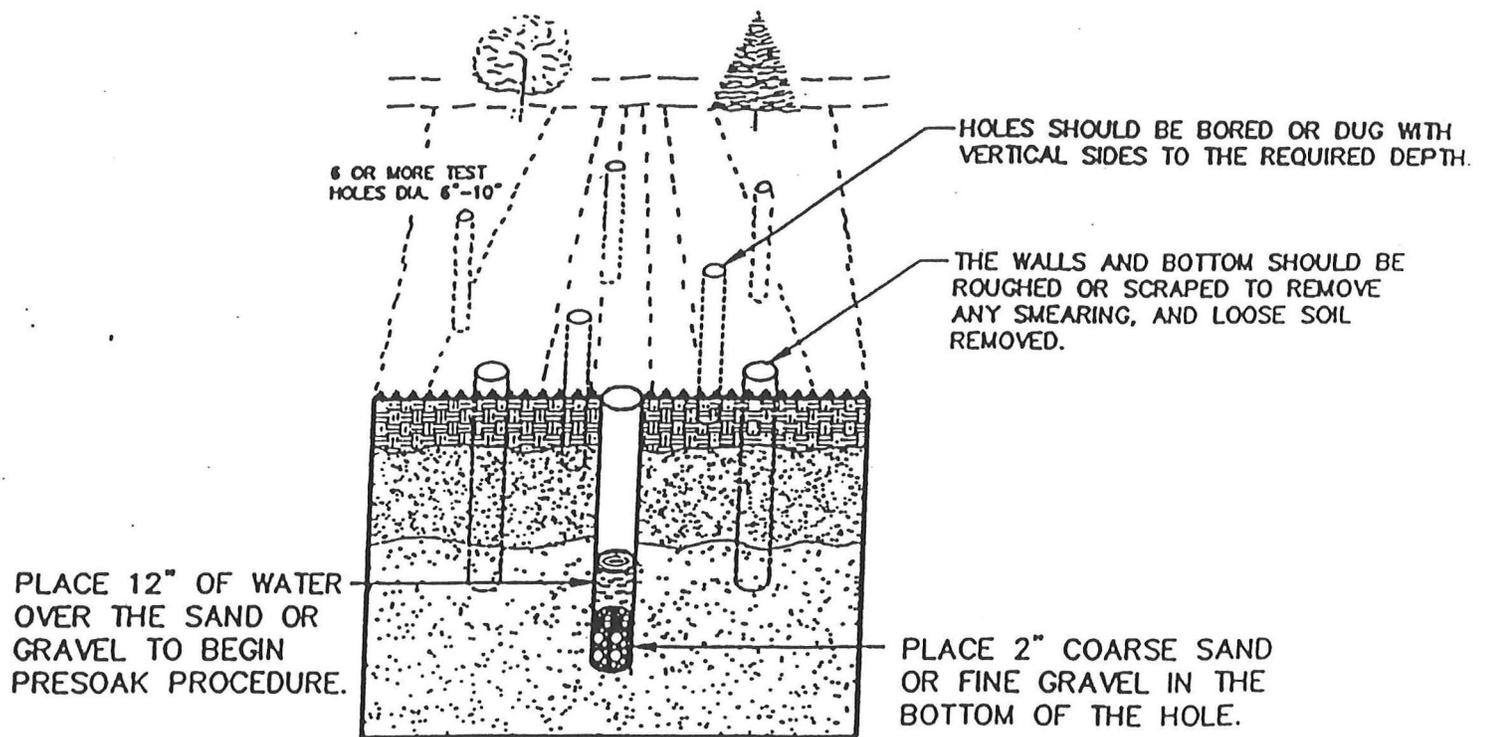
**NOTE:** To determine the difference in depth multiply the width of the proposed bed in ft. by the slope of the ground to determine the difference in elevation (in ft).

e.g.: PROPOSED BED WIDTH = 15 feet    MAXIMUM PERC DEPTH = 3 feet.  
SLOPE = 8%  
 $15' \times 0.8 = 1.2'$  DIFFERENCE IN ELEVATION.

**CONCLUSION:** The three top holes are dug at three feet and the three bottom holes are dug at 1.8 feet.

- b) To a depth of 20 inches if the limiting zone is identified as a seasonal high water table, whether perched or regional; rock foundation; or other stratum or soil condition in which the percolation rate is less than 60 inches from the mineral soil surface.
  - c) To a depth of eight inches (8") above the limiting zone or 20 inches, whichever is less, if the limiting zone is identified as rock with open joints, fractures or solution channels, and/or as masses of loose rock fragments including gravel with insufficient fine soil to fill the voids between the fragments and occurs less than 60 inches from the mineral soil surface.
3. The bottom and sides of each percolation test hole shall be scarified with a sharp instrument in order to remove any smeared soil surfaces and provide a natural soil interface into which water can percolate. Two (2") inches of course sand or fine gravel shall be placed in the bottom of the hole to prevent the soil from clogging the pores.
  4. Measuring Devices. All percolation test measurements shall be made using a float/tube device or approved equal. One of these devices must be approved by the SEO and placed in each percolation hole and shall remain there throughout the test.
  5. Percolation Test Sequence. The three parts of a percolation test are the initial presoak, final presoak and percolation rate measurements. The initial presoak is conducted 8 to 24 hours prior to the final presoak. This presoak must be witnessed by the SEO. The final presoak is the first 60 minutes after water is placed in the test holes on the day of the percolation test. The SEO must witness these two readings and also the 3rd and 4th reading of the percolation test measurements.

Below is an illustration of test hole preparation and how to do the initial presoak.



**FIGURE 2**  
N.T.S.

## Thornbury Township Sewage System Design Requirements

The following items must be provided to constitute a complete application:

- A. **SYSTEM LOCATION AND PROTECTION (Prior to Construction)**
  - All Referenced property lines & corners must be staked/flagged in the field
  - Absorption area and location of tank(s) must be staked/flagged in the field. Proposed absorption area must be enclosed with rope or fencing on all sides. No design will be considered complete unless it is “staked in the field.”
  
- B. The application for an on lot sewage disposal system permit (form ER-BWQ-290) must be completed by the applicant or authorized agent. All information in parts I and III shall be provided by the applicant/agent and signed under part IV.
  - 1. Part III, the plot plan **must include at least** the following items and be drawn **TO SCALE**:
    - a. Precise property lines
    - b. Adjacent streets
    - c. Lot dimensions in feet
    - d. EXACT location of:
      - i. All existing & proposed water supplies
      - ii. Existing & proposed buildings
      - iii. All observation test probes (with depth to limiting zone indicated for each probe) and percolation test sites
      - iv. Proposed treatment and/or pump tank
      - v. Proposed absorption area (including distance in feet from two nonparallel property lines)
    - e. Reference to north
    - f. Bench Mark location and elevation (n/a for gravity systems)
    - g. Direction and percentage of slope (**AS MEASURED ON SITE**)
    - h. Distance to nearest stream, flood plain or wetland (within 75’)
    - i. **EXACT** isolation distances as set forth in PA CODE TITLE 25, Chapter 73, Section 73.13 where applicable
    - j. Provide for diversion of surface runoff waters around the proposed sewage system
    - k. All right-of-ways or easements (on site)
  
- C. Site Investigation and Percolation Test Report (ER-BWQ-290 Appendix A) must be completed.
  
- D. Septic tank specification sheet (side profile with all dimensions)
  
- E. Dosing/Lift pump tank specification sheet (side profile with all elevations)
  - 1. Elevation of existing grade at pump tank
  - 2. Inlet & outlet elevation
  - 3. Pump intake elevation

4. Elevation of OFF, ON & Alarm floats
5. Inside tank floor elevation
6. Eco flow/peat moss chamber detail & elevations/where applicable

F. Absorption area

1. Top view must be submitted
  - a. Dimensions in feet
  - b. Ground elevation of the four(4) corners of seepage bed, corner elevations of individual trenches (if pressured dosed), extremities of berm for elevated sand mound systems
  - c. Laterals, hole spacing, manifold & bed layout
  - d. Chamber systems-manufactured specs
2. End View-must be submitted
  - a. Ground elevation at upslope & downslope side (if pressured dosed)
  - b. Depth of sand and excavation at upslope & downslope sides
  - c. Slope of sand and berm
  - d. Depth of 2B stone/AASHTO #57 below and above piping
  - e. Label building paper/geotextile over stone
  - f. Depth of backfill at upslope & downslope sides
  - g. Manifold & spacing of piping
  - h. A note stating " Immediate seeding or sodding to all disturbed areas is required"

G. Thornbury Township Dosing & Lift Pump Data Sheet (where applicable)

**SPECIFICATIONS FOR PROPOSED ON-LOT SEWAGE  
DISPOSAL SYSTEMS**

**THORNBURY TOWNSHIP, DELAWARE COUNTY**

FILE # \_\_\_\_\_

Name: \_\_\_\_\_ Application # \_\_\_\_\_

Municipality Thornbury Twp. Date \_\_\_\_\_

Design Flow: \_\_\_\_\_ GPD No. Bedrooms: \_\_\_\_\_ (Residential Only)

Building Sewer: Type \_\_\_\_\_ Diameter \_\_\_\_\_ in.

Primary Treatment: Septic Tank \_\_\_\_\_ Tank Capacity \_\_\_\_\_ gal

Aerobic Tank \_\_\_\_\_

Holding Tank \_\_\_\_\_

Distribution: Gravity \_\_\_\_\_ \*Requires Pump Data Sheet

\*Lift Pump \_\_\_\_\_

\*Pressure Dosed \_\_\_\_\_

Secondary Treatment: Seepage Bed \_\_\_\_\_  
Standard Trench \_\_\_\_\_  
Subsurface Sand Filter Bed \* \_\_\_\_\_  
Subsurface Sand Filter Trench \* \_\_\_\_\_  
Elevated Sand Mound Bed \* \_\_\_\_\_  
Elevated Sand Mound Trench \* \_\_\_\_\_

\* Requires Pressure Dosing (73.16-Table A)

Slope As Measured In Field \_\_\_\_\_ 0 - 8%  
\_\_\_\_\_ 8.1 - 14.9%  
\_\_\_\_\_ 15 - 20% (requires detailed engineering)  
\_\_\_\_\_ 20.1 - 25% (requires detailed engineering & designer inspection)

Absorption Area:

Trenches: Number \_\_\_\_\_ Length \_\_\_\_\_ ft. Width \_\_\_\_\_ ft.

Distribution box (y/n) \_\_\_\_\_

Space between trenches \_\_\_\_\_ ft.

Beds: Number \_\_\_\_\_ Length \_\_\_\_\_ ft. Width \_\_\_\_\_ ft.

Space between beds \_\_\_\_\_ ft.

Length of Header Pipe \_\_\_\_\_ ft. Dia. \_\_\_\_\_ inches

Length of Manifold \_\_\_\_\_ ft. Dia. \_\_\_\_\_ Inches

**ALL ABSORPTION AREAS:**

Depth of Absorption Area: \_\_\_\_\_ inches upslope \_\_\_\_\_ inches downslope  
Number of Laterals \_\_\_\_\_ Distance between Laterals \_\_\_\_\_ ft.  
Length of Laterals \_\_\_\_\_ ft. Pipe type \_\_\_\_\_ Dia. \_\_\_\_\_ inches  
Distance between Laterals and Sidewalls \_\_\_\_\_ ft.  
Distance between Header Pipes/Laterals and Endwalls \_\_\_\_\_ ft.  
Lateral Slope \_\_\_\_\_  
Type of Aggregate \_\_\_\_\_ Depth under Lateral \_\_\_\_\_ inches  
Depth over Lateral \_\_\_\_\_ inches  
Aggregate covered by: Hay/Straw \_\_\_\_\_ Paper \_\_\_\_\_  
Other (specify) \_\_\_\_\_

**Chamber Systems**

Type of Chamber Proposed \_\_\_\_\_  
# of Chambers Proposed \_\_\_\_\_  
Footprint Size of Chamber \_\_\_\_\_  
Total Sq. Ft. Utilizing Chamber Area \_\_\_\_\_  
% Reduction Taken \_\_\_\_\_

- Notes: 1. A plan view of proposed absorption area indicating chamber layout required.**  
**2. Prior to final approval manufacturers warranty form must be completed.**

**SAND SYSTEMS:** Depth of Sand \_\_\_\_\_ inches  
Supplied by: \_\_\_\_\_

**Prepared by:** \_\_\_\_\_ **Approved by:** \_\_\_\_\_ **Date** \_\_\_\_\_  
Designer As noted on \_\_\_\_\_  
Designer Certification Form \_\_\_\_\_ TT SEO

ANY CHANGES IN THE LOCATION, SIZE OR OTHER DESIGN ASPECTS OF THIS SYSTEM  
REQUIRE PRIOR APPROVAL BY THE **System Designer** And/Or **SEO**

**NOTE:**

- Four (4) copies of this form and all other design forms must be submitted.
- Upon notification of completion of each phase of construction, the SEO has 72 hours from the reported completion time to make inspection. To facilitate inspections, the contractor should call the SEO at 610-358-9363 (24) hours in advance of completion of each phase.

## DOSING & LIFT PUMP DATA SHEET

Hydraulic Profile Must Be Attached  
**THORNBURY TOWNSHIP**  
**DELAWARE COUNTY**

Applicant: \_\_\_\_\_ Application No. \_\_\_\_\_  
 Mailing Address \_\_\_\_\_ Municipality Thornbury  
 \_\_\_\_\_ County Delaware  
 \_\_\_\_\_ Site \_\_\_\_\_

Telephone No. \_\_\_\_\_

1. Pump Name & Model #: \_\_\_\_\_
2. Type of Pump: Lift/ Pressure:: \_\_\_\_\_
3. Length of Force Main:: \_\_\_\_\_
4. Pipe Diameter & Type: \_\_\_\_\_
5. Pump Discharge Flow-GPM (Design and Peak): \_\_\_\_\_
6. Intake Elev. Pump (Ft.): \_\_\_\_\_
7. Invert Elev. Manifold or "D" Box (Ft.): \_\_\_\_\_
8. Static Head (Ft.): \_\_\_\_\_
9. Friction Head (Ft.): \_\_\_\_\_
10. Design Head (Ft.): \_\_\_\_\_
11. Total Head (Ft.): \_\_\_\_\_

12. Friction Loss:

Fitting	Number	Equiv. Length	
90° Elbow	_____	_____	
45° Elbow	_____	_____	
Std. Tee	_____	_____	
Coupling	_____	_____	Total Equiv. Length
Quick Disconnect	_____	_____	
Check Valve	_____	_____	
Other	_____	_____	
Other	_____	_____	

13. Pump Tank Internal Dimensions: \_\_\_\_\_
14. Critical Elevations:
 

Grade at Pump Station: _____	Pump On: _____
Pump Inlet Invert: _____	Pump Off: _____
Tank Floor: _____	Alarm: _____

15. Discharge Volume per Dose: \_\_\_\_\_
16. For a LIFT pump, is the capacity of the pump 100% in excess of the peak sewage flow? \_\_\_\_\_
17. In the event of a power failure what emergency volume is provided (Gal.)? \_\_\_\_\_

**NOTE: -Specification sheet shall be provided on all tanks. Any tank with internal dimensions different from specification sheets provided require calculations on new float configurations.**

- All electrical connections must be water resistant and located outside wet well of tank.**
- A high level alarm must be provided connected to an electrical circuit which is separate from the pump. All alarms must be Audible and visual.**
- The pump tank access must be ABOVE grade and secured with bolts, a locking mechanism, or have sufficient weight to prevent access by children.**