

ADOPTIONS

AGENCY NOTE: The Department is not adopting the forms in proposed Appendix B, as explained in the Summary of Comments. In the interest of clarity, proposed Appendix B is not reproduced herein for deletion. The Department is adopting the following Appendix B.

APPENDIX B

STANDARD FORMS FOR
SUBMISSION OF SOILS/ENGINEERING DATACOUNTY/MUNICIPALITY MORRIS CO. / WASHINGTON TWPAPPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM

Form 1—General Information

1. Type of Permit Needed (Check applicable categories):

- ☒ New Construction ☐ Alteration/No Expansion or Change of Use
☐ Alteration/Expansion or Change in Use
☐ Alteration/Malfunctioning System
☐ Deviation from Standards ☐ Repairs to Existing System

2. Location of Project:

Municipality WASHINGTON TWP Block No. 59 Lot No. 60.05
 Street Address _____ Zip _____

3. Name of Applicant (print): Stateline Construction

170 Change Bridge Rd, Box A4-3
 Applicant's Present Address: Montville, NJ 07045

5. Applicant's Phone Number: _____

6. Type Of Facility:

- ☒ Residential
☐ Commercial/Institutional

Specify Type of Establishment: _____

7. Type of Wastes to be Discharged:

- ☒ Sanitary Sewage
☐ Industrial Wastes
☐ Other—Specify Type _____

8. Other Approvals/Certification/Waivers/Exemptions (Attach to Application):

- ☐ Pinelands Commission
☐ U.S. Army Corps of Engineers
☐ NJDEP—Bureau of Flood Plain Management
☐ Other—Specify: _____

9. I hereby certify that the information furnished on Form 1 of this application is true. I am aware that false swearing is a crime in this State and subject to prosecution.

Signature of Applicant _____ Date _____

FOR AGENCY USE ONLY

Application Denied—Reason for Denial/Citation of Rules Violated: _____

Application Approved

Application Approved Subject to Approval by NJDEP

ENVIRONMENTAL PROTECTION

Date of Action _____ Signature of Authorized Agent _____

Name and Title _____

COUNTY/MUNICIPALITY _____

APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMForm 2a—General Site Evaluation Data Lot 60.05 Block 591. Name of Site Evaluator (print): Associated Consultants2. Business Address of Site Evaluator: 530 EAST MAIN3. Business Phone Number of Site Evaluator: 879-6400

4. Special Site Limitations Identified (Check appropriate Categories):

- ☐ Flood Plains ☐ Bedrock Outcrops ☐ Wetlands
☐ Excessively Stony ☐ Disturbed Ground ☐ Sink Holes
☐ Sand Dunes ☐ Steep Slopes
☐ Other—Specify _____

5. Soil Logs—Enter on Form 2b—Use one sheet for each soil log.

6. Considerations Relating to Disturbed Ground:

a) Type of Disturbance (Check appropriate categories):

- ☐ Filled Area ☐ Excavated Area ☐ Re-graded Area
☐ Subsurface Drains ☐ Other—Specify _____

b) Pre-existing Natural Ground Surface

Elevation Relative to Existing Ground Surface _____

Method of Identification _____

c) Suitability of Disturbed Ground

- ☐ Unsuitable: Objects Subject to Disintegration or Change in Volume
☐ Excessively Coarse
☐ Proctor Test performed—% Standard Proctor Density = _____

7. Hydraulic Head Test:

- a) Hydraulically Restrictive Horizon: Depth Top to Bottom _____
 b) Piezometer A: Depth to Bottom _____ Depth of Water Level (24 hrs) _____
 c) Piezometer B: Depth to Bottom _____ Depth of Water Level (24 hrs) _____
 d) Witnessed by _____ Signature _____ Date _____

8. Attachments (Check Items Included):

- ☒ Site Plan
☒ Key Map Showing Location of Site On U.S.G.S. Quadrangle or Other Accurate Map
☒ Key Map Showing Location of Site on U.S.D.A. Soil Survey Map
☐ Other—Specify _____

9. I hereby certify that the information furnished on Form 2a of this application (and the attachments thereto) is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Soil Evaluator Anthony J. Fint Date 5-2-90Signature of Professional Engineer Anthony J. Fint License # 12672

COUNTY/MUNICIPALITY MORRIS WASHINGTON TWP.APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEMForm 2b—Soil Log and Interpretation Lot 60.05 Block 591. Log Number 1 Method (Check One): ☒ Profile Pit ☐ Boring

2. Soil Log

Depth (Inches) Munsell Color Name and Symbol; Estimated Textural Class;
 Top-Bottom Estimated Volume % Coarse Fragment, If Present; Structure;
 Moist or Dry Consistence; Mottling—Abundance, Size and
 Contrast, If Present

0-8" Top Soil8"-60" 7.5 YR 4/6 STRONG BROWN LOAM30% Cobbles 10% STONE 10% gravelSUBANGULAR BLOCKY FRIABLE60"-136" 10YR 4/6 DARK YELLOWISHBROWN LOAMY SAND SpheroidalLoose Moist 15% gravel 10%cobbles

3. Ground Water Observations:

☒ Seepage—Indicate Depth 126"☐ Pit/Boring Flooded—Depth after Hours

4. Soil Limiting Zones (Check Appropriate Categories):

☐ Fractured Rock Substratum—Depth to Top ☐ Massive Rock Substratum—Depth to Top ☐ Excessively Coarse Horizon—Depth Top to Bottom ☐ Excessively Coarse Substratum—Depth to Top ☐ Hydraulically Restrictive Horizon—Depth Top to Bottom ☐ Hydraulically Restrictive Substratum—Depth to Top ☐ Perched Zone of Saturation—Depth Top to Bottom ☒ Regional Zone of Saturation—Depth to Top 126"5. Soil Suitability Classification: 1

6. I hereby certify that the information furnished on Form 2b of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-9.

Signature of Site Evaluator Carlton J. Junt Date 5-2-90Signature of Professional Engineer Carlton J. Junt License # 12672

(CITE 21 N.J.R. 2660)

NEW JERSEY REGISTER, MONDAY, AUGUST 21, 1989

Form 3a. Soil Permeability Data

Lot Block

Assign a number for each test and a letter for each test replicate. Show test data and calculations on Form 3b, 3c, 3d, 3e, 3f or 3g. Use one sheet for each separate test or test replicate.

1. Summary of Data—Enter data for each test replicate on a separate line.

Type of Test	Test (number)	Replicate (letter)	Depth (inches)	Result*
<u>PERCOLATION</u>	<u>1</u>		<u>78"</u>	<u>2</u>

*For tube permeameter, pit-bailing and piezometer tests report results in inches per hour. For Soil permeability class rating give soil permeability class number. For percolation test report result in minutes per inch. For basin flooding test report result as positive if basin drains completely within 24 hours after second filling, negative otherwise.

2. Design Permeability/Percolation Rate: Specify Test Number 1☐ Average of Test Replicates ☐ Single Replicate☐ Slowest of Replicates

3. Type of Limiting Zone Identified

Test Number

4. Attachments (Check Items included):

☐ Form 3b—Tube Permeameter Test Data—Number of Sheets ☐ Form 3c—Soil Permeability Class Rating Test Data—
Number of Sheets ☒ Form 3d—Percolation Test Data—Number of Sheets 2☐ Form 3e—Pit-Bailing Test Data—Number of Sheets ☐ Form 3f—Piezometer Test Data—Number of Sheets ☐ Form 3g—Basin Flooding Test Data—Number of Sheets

5. I hereby certify that the information furnished on Form 3a of this application (and the attachments thereto) is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Soil Evaluator Carlton J. Junt Date 5-2-90Signature of Professional Engineer Carlton J. Junt License # 12672

ENVIRONMENTAL PROTECTION

ADOPTIONS

COUNTY/MUNICIPALITY MORRIS WASHINGTON TWPAPPLICATION FOR PERMIT TO CONSTRUCT/ALTER
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL /REPAIR
SYSTEM

Form 2b—Soil Log and Interpretation

Lot 60.05 Block 591. Log Number 2 Method (Check One): ☒ Profile Pit ☐ Boring

2. Soil Log

Depth (inches) Munsell Color Name and Symbol; Estimated Textural Class;
Estimated Volume % Coarse Fragment, If Present; Structure;
Top-Bottom Moist or Dry Consistence; Mottling—Abundance, Size and
Contrast, If Present

0-8" Top Soil 8"-54" 7.5 YR 4/6 5 TRONGBROWN SANDY CLAY 30% Cobbles 10% 5 TONE10% GRAVEL SUB ANGULAR BLOCKY FRABLE54"-126" 10 YR 5/6 YELLOWISH BROWNSAND 15% COBBLES 30% GRAVEL 5%STONE Spheroidal Loose Moist

3. Ground Water Observations:

☒ Seepage—Indicate Depth NONE☐ Pit/Boring Flooded—Depth after _____ Hours _____

4. Soil Limiting Zones (Check Appropriate Categories):

☐ Fractured Rock Substratum—Depth to Top _____☐ Massive Rock Substratum—Depth to Top _____☒ Excessively Coarse Horizon—Depth Top to Bottom 54"-50"☐ Excessively Coarse Substratum—Depth to Top _____☐ Hydraulically Restrictive Horizon—Depth Top to Bottom _____☐ Hydraulically Restrictive Substratum—Depth to Top _____☐ Perched Zone of Saturation—Depth Top to Bottom _____☐ Regional Zone of Saturation—Depth to Top _____5. Soil Suitability Classification: 1

6. I hereby certify that the information furnished on Form 2b of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator Curtis J. Sant Date 5-2-90Signature of Professional Engineer _____ License # 12672

(CITE 21 N.J.R. 2660)

NEW JERSEY REGISTER, MONDAY, AUGUST 21, 1989

Form 3a. Soil Permeability Data

Lot 60.05 Block 59

Assign a number for each test and a letter for each test replicate. Show test data and calculations on Form 3b, 3c, 3d, 3e, 3f or 3g. Use one sheet for each separate test or test replicate.

1. Summary of Data—Enter data for each test replicate on a separate line.

Type of Test	Test (number)	Replicate (letter)	Depth (inches)	Result*
<u>PERCOLATION</u>	<u>2</u>		<u>72</u>	<u>2</u>

*For tube permeameter, pit-bailing and piezometer tests report results in inches per hour. For Soil permeability class rating give soil permeability class number. For percolation test report result in minutes per inch. For basin flooding test report result as positive if basin drains completely within 24 hours after second filling, negative otherwise.

2. Design Permeability/Percolation Rate: Specify Test Number 1☐ Average of Test Replicates ☐ Single Replicate☐ Slowest of Replicates

3. Type of Limiting Zone Identified

Test Number

4. Attachments (Check items included):

☐ Form 3b—Tube Permeameter Test Data—Number of Sheets _____☐ Form 3c—Soil Permeability Class Rating Test Data—
Number of Sheets _____☒ Form 3d—Percolation Test Data—Number of Sheets 2☐ Form 3e—Pit-Bailing Test Data—Number of Sheets _____☐ Form 3f—Piezometer Test Data—Number of Sheets _____☐ Form 3g—Basin Flooding Test Data—Number of Sheets _____

5. I hereby certify that the information furnished on Form 3a of this application (and the attachments thereto) is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Soil Evaluator Curtis J. Sant Date 5-2-90Signature of Professional Engineer _____ License # 12672

ENVIRONMENTAL PROTECTION

14. Soil Permeability Class Rating (Based upon average textural analysis of this replicate and other replicate samples) _____

15. I hereby certify that the information furnished on Form 3c of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator _____ Date _____

- Signature of Professional Engineer _____ License # _____

Form 3d. Percolation Test Data

1. Test Number 1 Replicate (Letter) 1-A Date Tested 4-4-50

2. Depth 78

3. Pre-soak: _____

- 10 Sandy Textured Soil Only, Shortened Pre-soak—Indicate Time Required for 12 Inches of Water to Drain After Second Filling, Minutes

- Four Hour Pre-soak Completed—Indicate Result:

- Test Hole Drained Within 16 to 24 Hours After Pre-soak

— Test Hole Did Not Drain Within 24 Hours After Pre-soak

4. Rate of Fall Data:

a. Time Interval Selected, Minutes 5

- b. Record the Drop in Water Level During Each Time Interval to the Nearest 1/10th-Inch On the Lines Below:

- | Depth of
Water, Start
of Interval
(Inches) | Depth of
Water, End
of Interval
(Inches) | Drop in
Water
Level
(Inches) |
|---|---|---------------------------------------|
|---|---|---------------------------------------|

- | | | |
|----------|----------|----------|
| <u>7</u> | <u>4</u> | <u>3</u> |
| <u>7</u> | <u>4</u> | <u>3</u> |
| 7 | 4 | 3 |

- _____

- DATE: 11/11/1964 BY: [illegible] 11/11/1964

- _____
- _____

- _____

- _____

- _____

8. Repreculation Rate:

- ### 5. Percolation Rate:

- a. Time, minutes, Required for a Six-inch Drop in Water Level
- 10

- b. Percolation Rate = $a/6 = 10/6 = 2$ min/hr

6. I hereby certify that the information furnished on Form 3d of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

SOIL EVALUATOR Carlton Z. Junt 5-2-90
ENGINEER Carlton Z. Junt DE 11672

NEW JERSEY REGISTER, MONDAY, AUGUST 21, 1989

(CITE 21 N.J.R. 2661)

ADOPTIONS

Signature of Professional Engineer _____ License # _____

1. Test Number _____ Reference Soil Log _____ Date Tested _____

- [illegible]

- ### 7. Calculation of Permeability:

8. I hereby certify that the information furnished on Form 3e of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator _____ Date _____

Signature of Professional Engineer _____ License # _____

1. Test Number _____ Reference Soil Log _____ Date Tested _____

2. Using the reference level established, measure and record the following:
- Depth to Bottom of Pit, ft, D_p _____
 - Depth to Water Level after 2 hr. Stabilization Period, ft, D_{water} _____
 - Depth to Impermeable Stratum, ft, $D_{stratum}$ _____
 - (If depth is unknown assume it to be 1.5 times the depth of the pit.)
 - Height of Water Level Above Impermeable Stratum, ft, H _____
 - ($H = D_{stratum} - D_{water}$)
 - Length of Time Interval, T , in minutes_____

3. At the interval chosen, record the following data in the table below:

—Time of Measurement, t_m , minutes

—Depth of Water Level Below Reference Level, d_w , inches

—Water Surface Dimensions, ft: l,w

4. Calculate the following values and enter in the table below:

—Water Surface Area, ft², A_o

—Water level Rise h_{rise} (Subtract current value of d_o from previous value)

—Ave. Water Surface Area, ft², A_w (Take average of A_0 and previous A_w)

—Ave. Height of Water Level Above Impermeable Stratum, ft. h
(Take ave. of d_w and previous value of d_w , convert to ft.,
and subtract from D_{stratum})

—Permeability, in/hr, K_p (Calculate using formula):

$$K_s = [h_{avg}/T] \times [A_{av}/2.27 (H^2 - b^2)] \times 60 \text{ min/hr.}$$

[illegible]

5. Record the Following Data:

—Final Depth of Pit, D_{pit} , ft _____

—Depth to Impermeable Stratum, ft, D_{stratum}
(If no impermeable stratum is encountered assume $D_{\text{stratum}} = D_{\text{pit}}$)

—Height of Standpipe Above Reference Level, ft, h_{sp} _____

—Depth to Water Level after 24 hr. Stabilization Period, ft. D. _____
(Take measurement from top of standpipe. Subtract h_{pipe})

—Height of Static Water Level Above Impermeable Stratum, ft, H_____

—Average Height of Water Level Above Impermeable Stratum, ft. h—
(Take average of d_w from beginning and end of last time interval recorded
in section 4, convert this to ft., subtract from D_{stratum})

6. Re-calculation of K using data from section 5 above and from final time interval of section 4:

$$K = [h_{\text{ave}}/t] \times [A_{\text{ex}}/2.27(H^2-h^2)] \times 60 \text{ min/hr}$$

$$= \left[\frac{\quad}{\quad} / \frac{\quad}{\quad} \right] \times \left[\frac{\quad}{2.27} \right]$$

$$\left(\frac{\quad}{\quad} - \frac{\quad}{\quad} \right) \times 60 \text{ min/hr} = \underline{\quad}$$

7. I hereby certify that the information furnished on Form 3f of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator _____ Date _____

Signature of Professional Engineer _____ License # _____

ENVIRONMENTAL PROTECTION

ADOPTIONS

3. Manifold Length, ft ____ Manifold Diameter, ins ____

4. System Discharge Rate, gpm ____

5a. Pump Selection:

Diameter of Delivery Pipe ____ Length of Delivery Pipe ____

Friction Loss in Delivery Pipe, H_f , ft ____

Elevation of Dosing Tank Low Water Level ____

Elevation of Lateral Invert ____

Elevation Head, H_s , ft ____Total Operating Head, H_t ($H_p + H_f + H_s$), ft ____

Pump Model ____ Rated Horsepower ____

Pump Discharge Rate at Total Operating Head, gpm ____

5b. Siphon Elevation:

Diameter of Delivery Pipe ____ Length of Delivery Pipe ____

Friction Loss in Delivery Pipe, H_f , ft ____Velocity Head, H_v , ft ____Total Operating Head, H_t ($H_p + H_f + H_v$), ft ____

Elevation of Lateral Invert ____

Elevation of Siphon Invert ____

6. Dose Volume:

Design Volume of Sewage, gal/day ____

Design Permeability, in/hr ____ or Percolation Rate, min/in ____

Internal Volume of Distribution Network ____

Dose Volume ____

7. I hereby certify that the information furnished on Form 4 of this application (and attachments thereto) is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Professional Engineer ____ Date ____

APPLICATION FOR LICENSE TO OPERATE AN INDIVIDUAL
SUBSURFACE SEWAGE DISPOSAL SYSTEM

Form 1. General Information

1. Municipality WASH TWP Block No. 59 Lot No. 60.05

2. Name of Applicant (print): _____

3. Applicant's Address: _____

4. Applicant's Phone Number: _____

5. Certificate of Compliance: Date of Issuance _____

If no Certificate Was Issued, Indicate Approximate Age of System _____

6. Type of Facility: ☒ Residential—Indicate Number of Occupants 5

____ Commercial/Institutional—Specify Type of Establishment _____

7. Type of Wastes Discharged: ☒ Sanitary Sewage Only

____ Industrial Wastes

____ Other—Specify Type _____

8. Volume of Wastes: Ave. Flow, gal/day ____ Max. Daily Flow, gal ____

____ Based On Water Meter Data

650 Assumed Based On Data Related to Water Usage—Show Data Below:

____ Number of Users (Patrons, Guests, Visitors, etc.) per Day ____

____ Number of Employees ____

Total Employee Hours per Day ____

____ Number of Fixtures ____, Specify Type _____

____ Size of Building, ft² ________ Other—Specify CHAPTER 3A _____

9. Indicate System Components, Provide What Information is Available:

____ Grease Trap: Capacity, gals ____

____ Septic Tank: Capacity, gals ____ No. of Compartments ____

____ Dosing Tank: Capacity, gals ____ Dosing Device:

____ Pump ____ Siphon

____ Disposal Bed: Area, ft² ____

____ Disposal Trenches: Width, ft ____ Number ____

Total Length, ft ____

____ Seepage Pits: Number ____ Diameter, ft ____ Depth, ft ____

____ Interceptor Drain

____ Other—Specify _____

10. I hereby certify that the information furnished on Form 1 of this application (and attachments thereto) is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Septic System Inspector ____ Date ____

FOR AGENCY USE ONLY

____ Application Denied—State Reason for Denial _____

____ Application Approved—License Number _____

Date of Action ____ Signature of Authorized Agent _____

Name and Title _____

RENEWAL OF LICENSE TO OPERATE AN INDIVIDUAL SUBSURFACE
SEWAGE DISPOSAL SYSTEM

Form 1. Report of Septic System Inspection/Maintenance

1. Municipality ____ Block No. ____ Lot No. ____

2. Name of Applicant (print): _____

3. Applicant's Address: _____

4. Applicant's Phone Number: _____

5. Expiration Date of Current License ____ License Number ____

6. Maintenance Performed at Time of Inspection: ____ Septic Tank Pumped

____ Other—Specify _____

7. If the Septic Tank Was not Pumped, Provide Following Information:

Date of Last Pump Out ____ 1st 2nd 3rd

Record Vertical Distance in inches: ____ Comp Comp Comp

Bottom of Scum Layer to Bottom of Outlet Baffle ____

Top of Sludge Layer to Bottom of Outlet Baffle ____

ADOPTIONS

Form 3g. Basin Flooding Test Data

1. Test Number _____ Reference Soil Log _____ Date Tested _____
2. Depth of Pit, ft _____
3. Area of Pit, ft² _____
4. Description of Rock Substratum Within Test Zone:
 - Type of Rock _____
 - Name of Formation _____
 - Average Fracture Spacing _____
 - Type of Fractures (Check Appropriate Category):
 - ___ Open (Wide), Clean—Width of Openings, mm _____
 - ___ Open (Wide), Infilled with Fines—Width of Openings, mm _____
 - ___ Tight (Closed)
 - Orientation of Fractures:
 - ___ Horizontal (Parallel to Pit Bottom) Or Nearly So
 - ___ Inclined
 - ___ Vertical (Parallel to Sides of Pit) Or Nearly So
 - Hardness of Rock:
 - ___ Ripplable with Hand Tools
 - ___ Not Ripplable with Hand Tools, Ripplable by Machine
 - ___ Not Ripplable by Machine, Explosives Used

5. Time of First Basin Flooding _____
Volume of Water Added, Gal _____
6. Result of First Basin Flooding:
 - ___ Basin Drained within 24 Hrs.—Indicate Time _____
 - ___ Basin Not Drained within 24 Hrs.
7. Time of Second Basin Flooding _____
Volume of Water Added, Gal _____
8. Result of Second Basin Flooding:
 - ___ Basin Drained within 24 Hrs.—Indicate Time _____
 - ___ Basin Not Drained within 24 Hrs.

9. I hereby certify that the information furnished on Form 3g of this application is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator _____ Date _____

Signature of Professional Engineer _____ License # _____

Form 4. General Design Data

1. Volume of Sanitary Sewage, gal. 650
 - ☒ Residential: No. of Dwelling Units 1 Total No. of Bedrooms 4
 - ___ Commercial/Institutional—Indicate type of establishment and show method of calculation. If estimate is based on water meter data, indicate source of data, frequency of readings, average daily flow, and maximum recorded daily reading _____

ENVIRONMENTAL PROTECTION

2. Alterations or Repairs

- a) Reason for Alteration or Repair (Check appropriate categories):
 - ___ Expansion or Change in Use ___ Upgrade Existing Facilities
 - ___ Correct Malfunctioning System ___ Other—Specify _____
- b) Describe Nature of Alteration or Repairs: _____

3. System Components:

- a) Grease Trap Capacity, gals _____
Show Calculation Used: _____
- b) Septic Tank Capacities, gals: 1000 First (Single) Compartment _____
___ Second Compartment _____ ___ Third Compartment _____
- c) Effluent Distribution
Method: ☒ Gravity Flow ___ Gravity Dosing
___ Pressure Dosing
Dosing Device: ___ Pump ___ Siphon
- d) Dosing Tank Capacities, gals: Total Capacity _____ Dose Volume _____
Reserve Capacity _____
- e) Laterals: Number 4 Total Length 82' Pipe Size 4" Spacing 3'
- f) Connecting Pipe: Size _____ Length _____
- g) Manifold: Size _____ Length _____
- h) Disposal Field: Type of Installation BED
Design Permeability (Percolation Rate) 15 MIN. INCH
Trenches: Width _____ Total Length 88' Bed: Area 1320
- i) Seepage Pits: Design Percolation Rate _____
Number of Pits _____ Total Percolating Area Provided _____

4. Attachments (Check Items Included):

- ☒ General Plan of System Showing Location of All System Components
- ☒ X-Sections of Each System Component Including Grease Trap, Septic Tank, Dosing Tank, Disposal Field, Seepage Pits and Interceptor Drains
- ___ Pump Performance Curve
- ___ Other—Specify _____

5. I hereby certify that the information furnished on Form 4 of this application (and attachments thereto) is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Professional Engineer _____ Date _____

Form 5. Design of Pressure Dosing System

1. Configuration of Distribution Network:

- Type of Manifold: ___ End ___ Central
- Distribution Laterals: Number _____ Length, ft _____ Spacing, ft _____
- Hole Diameter, ins _____ Hole Spacing, ins _____
- Diameter of Laterals, ins _____

2. Lateral Discharge Rate:

- Design Pressure Head at Supply End of Laterals, H_p, ft _____
- Hole Discharge Rate, Q, gpm _____
- Number of Holes per Lateral, n _____
- Lateral Discharge Rate, (Q x n) gpm _____

ADOPTIONS

8. Indicate Problems Identified During Inspection:

- | | |
|---|--|
| ☐ Septic Tank Not Accessible | ☐ Solids in D-Box |
| ☐ Inlet Baffle Needs Repair | ☐ D-Box Not Level |
| ☐ Outlet Baffle Needs Repair | ☐ Hydraulic Failure of Disposal |
| ☐ Effluent Backs-Up into Septic Tank | ☐ Field or Seepage Pit |
| ☐ Septic Tank Leaks | ☐ Settlement or Improper Grading |
| ☐ Dosing Tank Not Accessible | ☐ Encroachments in Disposal Area |
| ☐ Dosing Tank Leaks | ☐ Improperly Directed Drainage |
| ☐ Solids in Dosing Tank | ☐ Physical Condition of Seepage Pit |
| ☐ Operation/Condition of Pump, Switches, Alarm, Siphon, etc. | ☐ Other—Specify _____ |

9. Observed Malfunctions:

- | | |
|---|--|
| ☐ Back-up into Plumbing | ☐ Seepage of Sewage/Effluent into Bldg. |
| ☐ Surface Break-out or Ponding | ☐ Contamination of Well Water |
| ☐ Odors | |
| ☐ Other—Specify _____ | |

10. I hereby certify that the information furnished on Form 1 of this application (and attachments thereto) is true and accurate. I am aware that falsification of data is a violation of the Water Pollution Control Act (N.J.S.A. 58:10A-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Septic System Inspector _____ Date _____

FOR AGENCY USE ONLY

- | |
|--|
| ☐ Renewal of License Denied—Reason for Denial _____ |
| ☐ Approval Pending Completion of Repairs—Description of Repairs Required: _____ |
| ☐ License Renewed—Expiration Date of New License _____ |

STANDARD FORMS FOR CERTIFICATE OF COMPLIANCE

County/Municipality of _____

INSTRUCTIONS: Part A is to be completely filled in for all Certifications. Only Part B or Part C will be completed. Part B will be completed if the administrative authority relies upon the certification signed and sealed by a New Jersey licensed professional engineer that the system has been located, constructed, installed or altered in compliance with the requirements of N.J.A.C. 7:9A-1 and the Application to Construct/Alter/Repair and Individual Subsurface Sewage Disposal System which was approved by the administrative authority. Part C will be completed if the administrative authority performs the certification.

Part A—General Information

1. Permitted Activities (Check applicable categories):

- Permit Number _____
- | |
|---|
| ☐ New Construction |
| ☐ Alteration/No Expansion or Change of Use |
| ☐ Alteration/Expansion or Change in Use |
| ☐ Alteration/Malfunctioning System |
| ☐ Deviation from Standards |
| ☐ Repairs to Existing System |

2. Location of Project:

Municipality _____ Lot _____ Block _____
Street Address _____

ENVIRONMENTAL PROTECTION

3. Name and Present Address of Applicant:

Applicant's Phone Number _____

Part B—Professional Engineers Certification

I certify under penalty of law that the subsurface sewage disposal system identified in Part A has been located, constructed, installed or altered in compliance with the requirements of N.J.A.C. 7:9A-1 and the Application to Construct/Alter/Repair an Individual Subsurface Sewage Disposal System which was approved by the administrative authority. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

(Signature) _____

SEAL

Name (Type or Print), License # _____

Date: _____

Part C—Certification by Administrative Authority

I certify under penalty of law that the subsurface sewage disposal system identified in Part A has been located, constructed, installed or altered in compliance with the requirements of N.J.A.C. 7:9A-1 and the Application to Construct/Alter/Repair an Individual Subsurface Sewage Disposal System which was approved by the administrative authority. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Authorized Signature _____

Type of License Held _____

Name (Typed or Printed) _____

License Number _____

Date: _____

For Agency Use Only

Date Received: _____
Form Determined To Be: ☐ Complete ☐ Incomplete
Date Returned _____
Date Received _____

Date Certification Approved: _____

Authorized Signature: _____

APPENDIX C UNIFORM PLACEMENT OF PERCOLATION TESTS

Uniform Placement of Percolation Tests

N.J.A.C. 7:9A-6.1(e)7 of these standards requires that percolation tests be spaced uniformly within the area of the disposal field. Acceptable patterns or arrangements for percolation test placement depend upon the size and shape of the disposal field as outlined below. Patterns other than those provided below may be approved provided that it is determined by the Administrative Authority that the test results submitted are representative of the soil conditions throughout the entire area of the disposal field.

Definitions

The following words and terms shall have the following meanings when used within Appendix B of this chapter:

"Center" means the intersection of the two disposal field diagonals.

"Diagonal" means a line connecting opposite corners of the disposal field.

"Elongated disposal field" means a disposal field with a length/width ratio of 3.0-5.0.

"End" means one of the two shorter sides in a disposal field which has a length/width ratio not equal to 1.0.

"Length" means the longest dimension of the disposal field, or the distance between the ends of the disposal field.

"Long axis" means a line connecting the midpoints of the disposal field ends.

"Rectangular disposal field" means a disposal field with a length/width ratio of 1.5-3.0.

"Side" means one of the two longer sides of a disposal field which has a length/width ratio not equal to 1.0.

"Square disposal field" means a disposal field with a length/width ratio of 1.0-1.5.

"Very elongated disposal field" means a disposal field with a length/width ratio greater than 5.0.

"Width" means the shortest dimension of the disposal field, or the distance between the sides of the disposal field.

A. When the disposal field is less than 1500 square feet, a minimum of two percolation tests are required and the following arrangements are acceptable:

All Disposal Field Shapes

1. Both tests spaced along the long axis of the field, the minimum distance between tests one third of the length of the field.

2. Both tests spaced along the diagonal of the field, the minimum distance between tests one third the length of the diagonal.

B. When the disposal field size is 1500 to 3000 square feet, a minimum of three percolation tests are required and the following arrangements are acceptable:

All Disposal Field Shapes

1. All tests spaced evenly along the diagonal of the field, the minimum distance between tests one quarter the length of the diagonal.

2. One test near the midpoint of a side, one test near each of the two opposite corners.

Field Shape Rectangular to Very Elongated ($L/W > 1.5$)

3. All three tests spaced evenly along the long axis; minimum distance between tests one quarter the length of the disposal field.

C. When the disposal field size is 3000 to 4500 square feet, a minimum of four percolation tests are required and the following arrangements are acceptable:

Field Shape Square to Rectangular ($L/W = 1.0 - 3.0$)

1. One test near the midpoint of each of the sides and ends.
2. One test near each of the four corners.

All Field Shapes

3. A zig-zag pattern with tests placed at points along one side which are approximately zero thirds and two thirds the distance from end to end, and along the opposite side at points which are approximately one third and three thirds the distance from end to end.

Field Shape Elongated to Very Elongated ($L/W > 3.0$)

4. All tests spaced evenly along the long axis of the field, the minimum distance between tests one fifth the length of the field.

5. All tests spaced evenly along the diagonal of the field, the minimum distance between tests one fifth the length of the diagonals.

D. When the disposal field size exceeds 4500 square feet, a minimum of five percolation tests are required and the following arrangements are acceptable:

Square Fields

1. One test near the midpoints of each of the sides and ends, one test near the center of the field.

Field Shape Square to Rectangular ($L/W = 1.0 - 3.0$)

2. One test near each corner of the field, one test near the center of the field.

All Field Shapes

3. A zig-zag pattern with tests placed at points along one side which are approximately zero fourths, two fourths and four fourths the distance from end to end, and along the opposite side at points which are approximately one fourth and three fourths the distance from end to end.

Field Shape Elongated to Very Elongated ($L/W > 3.0$)

4. All tests spaced evenly along the long axis of the field, the minimum distance between tests one sixth the length of the field.

5. All tests spaced evenly along the diagonal of the field, the minimum distance between tests one sixth the length of the diagonal.