

APPLICATION OR PERMIT TO CONSTRUCT/ALTER/
REPAIR AN INDIVIDUAL SUBSURFACE SEWAGE
DISPOSAL SYSTEM

Check # _____
Receipt # _____
Date Paid _____
Application # _____

Municipality CHESTER Township

Location of Project: 4 Forest View Drive Block 26.01 Lot 36

Owner: STEVEN Rauschkolb Phone (home/work) [REDACTED]

Present Mailing Address: 4 Forest View Drive, Chester N.J 07930

- 1.) Type of permit needed (Check applicable categories):

☐ New Construction	☐ Alteration/No Expansion or Change of Use
☐ Deviation from Standards	☐ Alteration/Expansion or Change of Use
☐ Repairs to Existing System (Replacing Component)	☒ Alteration/Malfunctioning System
- 2.) Type of Facility: ☒ Residential ☐ Commercial
Special type of Establishment _____
- 3.) Type of Wastes to be Discharged:

☒ Sanitary Sewage	☐ Industrial Wastes
☐ Other - Specify Type _____	
- 4.) Other Approvals/Certifications/Waivers/Exemptions (Attach to Application):

☐ US Army Corps of Engineers
☐ NJDEP - Bureau of Flood Plain Management
☐ Other - Specify _____

Engineer's Name: Yannacow, Villa, & Aldrich Phone 908-879-6646

Address: 460 Main Street, Chester N.J 07930

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.

(Engineer's Seal)

Engineer's Signature

Owner's Signature

Date

11/14/06

**Chester Township
Board of Health**

APPROVED

Daniel J. Felt

R.E.H.S.

Date 12/3/06

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

Application Approved

Application Approved Subject to Approval by NJDEP

Date of Action _____ Signature of Authorized Agent

Name and Title _____

Received:

Septic Approval



MUNICIPALITY Chester Township

APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM

Form 2a - General Site Evaluation Data:

Block 26.01 Lot 36

1. Name of Site Evaluator (print): Gayne Knitowski
2. Business Address of Site Evaluator: 460 Main Street, Chester N.J 07930
3. Business Phone Number of Site Evaluator: 908-879-6646
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 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 Site Evaluator) Gayne Knitowski Date 11/14/06
 Signature of Professional Engineer _____ License # 34504

MUNICIPALITY Chester TownshipAPPLICATION FOR PERMIT TO CONSTRUCT, ALTER, REPAIR AN INDIVIDUAL
SUBSURFACE SEWAGE DISPOSAL SYSTEM

Form 2b - Soil Log and Interpretation:

Block 26.01 Lot 361. Log Number 1 Method (Check One) ☒ Profile Pit ☐ Boring

2. Soil Log:

Depth (Inches) Munsel Color Name and Symbol: Estimated Textural Class: Estimated
 Volume & Coarse Fragment. If Present Structure: Moist or Dry
Top-Bottom Consistence: Monitoring - Abundance. Size and Contrast. If Present

SOIL LOG 1(9/25/2006)

0-06" TOPSOIL
 06-54" DARK YELLOWISH BROWN (10YR4/6) FRIABLE SUBANGULAR BLOCKY LOAM w/
 10% GRAVEL
 54-128" YELLOWISH BROWN (10YR5/6) LOOSE, SINGLE GRAIN LOAMY SAND w/
 25% GRAVEL, COBBLES AND STONES
 NO APPARENT MOTTLES/ NO GROUNDWATER

3. Groundwater Water Observations:

_____ Seepage - Indicate Depth _____
 _____ 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 _____

5. Soil Suitability Classification: I

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 [Signature] Date 11/14/06Signature of Professional Engineer [Signature] License # 39904

MUNICIPALITY ChestertownAPPLICATION FOR PERMIT TO CONSTRUCT, ALTER, REPAIR AN INDIVIDUAL
SUBSURFACE SEWAGE DISPOSAL SYSTEM

Form 2b - Soil Log and Interpretation:

Block 26.01 Lot 3C1. Log Number 2 Method (Check One) ☒ Profile Pit ☐ Boring

2. Soil Log:

Depth Munsel Color Name and Symbol: Estimated Textural Class: Estimated
(Inches) Volume & Coarse Fragment. If Present Structure: Moist or Dry
Top-Bottom Consistence: Monitoring - Abundance. Size and Contrast. If Present

SOIL LOG 2**(9/25/2006)**

0-06" TOPSOIL
06-54" DARK YELLOWISH BROWN (10YR4/6) FRIABLE SUBANGULAR BLOCKY LOAM w/
10% GRAVEL
54-128" YELLOWISH BROWN (10YR5/6) LOOSE, SINGLE GRAIN LOAMY SAND w/
25% GRAVEL, COBBLES AND STONES
NO APPARENT MOTTLES/ NO GROUNDWATER

3. Groundwater Water Observations:

☐ Seepage - Indicate Depth _____
☐ 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 _____

5. Soil Suitability Classification: I

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 [Signature] Date 10/14/06Signature of Professional Engineer [Signature] License # 39904

MUNICIPALITY CHESTER TownshipAPPLICATION FOR PERMIT TO CONSTRUCT, ALTER, REPAIR AN INDIVIDUAL
SUBSURFACE SEWAGE DISPOSAL SYSTEM

Form 2b - Soil Log and Interpretation:

Block 26.01 Lot 361. Log Number 3 Method (Check One) ☒ Profile Pit ☐ Boring

2. Soil Log:

Depth (Inches) Munsel Color Name and Symbol: Estimated Textural Class: Estimated
 Volume & Coarse Fragment. If Present Structure: Moist or Dry
Top-Bottom Consistence: Monitoring - Abundance. Size and Contrast. If Present

SOIL LOG 3**(9/25/2006)**

0-06" TOPSOIL
 06-52" DARK YELLOWISH BROWN (10YR4/6) FRIABLE SUBANGULAR BLOCKY LOAM w/
 10% GRAVEL
 52-120" YELLOWISH BROWN (10YR5/6) LOOSE, SINGLE GRAIN LOAMY SAND w/
 10% GRAVEL
 NO APPARENT MOTTLES/ NO GROUNDWATER

3. Groundwater Water Observations:

_____ Seepage - Indicate Depth _____
 _____ 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 _____

5. Soil Suitability Classification:

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

Date 11/14/06

Signature of Professional Engineer

License # 39904

APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM

Form 3a. Soil Permeability Date:

Block 26.01 Lot 36

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*
Soil Permeability Class Rating Test	2A	2B	84"	1.3

* 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.....
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 2
Form 3d - Percolation Test Data - Number of Sheets
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) [Signature] Date 11/14/06
Signature of Professional Engineer [Signature] License # 39904

Form C- Chester Township/Morris County
Soil Permeability Class Rating Data

Client: Rauschkolb

Street: Forest View Dr ~~B~~-26.01 ~~L~~-36

1. Test ~~2A~~ Replicate Letter ~~2B~~
2. Sample Depth 84" Pit/Boring ~~2~~ Date Collected 9/25/06
3. Coarse Fragment Content:
Weight of Sample, W.T., grams 205.1
Weight of Material Retained of 2mm sieve, W.C.F., grams 31.1
Wt. % Coarse Fragment (W.C.F./W.T. x 100): 15.2
4. Oven Dry Weight (24 hours, 105C) of 40 Gram Air Dry Sample,
grams, Wt. 39.7
5. Hydrometer Calibration, Rc 5.5
6. Hydrometer Reading - 40 seconds, grams, R1 20.0/20.5
Temperature of Suspension, degrees F. 63
7. Corrected Hydrometer Reading, grams, R1' 13.8
8. Hydrometer Reading - 2 hours, grams, R2 12.5
Temperature of Suspension, degrees F. 63
9. Corrected Hydrometer Reading, grams, R2' 6.0
10. % sand = (wt. - R1') Wt. x 100 = (39.7-13.8)39.7 x 100 = 65.2
11. % clay = R2'/Wt. x 100 = 6.0/39.7x 100 = 15.1
12. Sieve Analysis
 - a. Over Dry Wt. (2 hrs., 105C) Total Sand Fraction
(Soil Retained in 0.047mm Sieve), grams 25.5
 - b. Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25mm Sieve), grams 8.9
 - c. % Fine Plus Very Fine Sand (b/a) 34.9
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested subangular blocky
Consistency of Soil Horizon Tested: Dry Moist friable
14. Soil Permeability Class rating (Based upon average textural analysis of this replicate and other replicate samples)

K3

I hereby certify that the information furnished on Form #C 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. 58:04-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator Mary J. Hunter Date: 11/14/06

Signature of Professional Engineer
License No. 39904

Gregory E. Yannaccone
Yannaccone, Villa & Aldrich, LLC
460 Main Street
Chester, NJ 07930

Form C - Chester Township/Morris County
Soil Permeability Class Rating Data

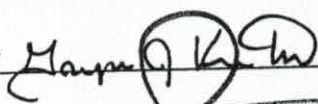
Client: Rauschkolb

Street: Forest View Dr B- 26.01 36

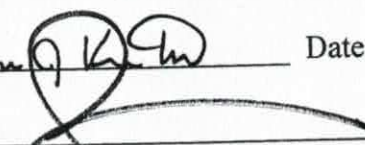
1. Test ~~2~~-B Duplicate Letter ~~3~~-A
2. Sample Depth 84" Soil Pit/Boring ~~2~~ Dated Collected 9/25/06
3. Coarse Fragment Content:
 - Weight of Sample, W.T., grams 205.1
 - Weight of Material Retained of 2mm sieve, W.C.F., grams 31.1
 - Wt. % Coarse Fragment (W.C.F./W.T. x 100): 15.2
4. Oven Dry Weight (24 hours, 105C), of 40 Gram Air Dry Sample, grams, Wt. 39.7
5. Hydrometer Calibration, Rc 5.5
6. Hydrometer Reading - 40 seconds, grams, R1 21.0/20.5
Temperature of Suspension, degrees F. 63
7. Corrected Hydrometer Reading, grams, R1' 14.3
8. Hydrometer Reading - 2 hours, grams, R2 13.0
Temperature of Suspension, degrees F. 63
9. Corrected Hydrometer Reading, grams, R2' 6.5
10. % sand = (wt. - R1') Wt. x 100 = $(39.7 - 14.3) / 39.7 \times 100 =$ 64.0
11. % clay = $R2' / \text{Wt.} \times 100 = 6.5 / 39.7 \times 100 =$ 16.4
12. Sieve Analysis
 - a. Over Dry Wt. (2 hrs., 105C) Total Sand Fraction
(Soil Retained in 0.047mm Sieve), grams 25.2
 - b. Wt. of Fine Plus Very Fine Sand Fraction
(Sand Passing 0.25mm Sieve), grams 8.8
 - c. % Fine Plus Very Fine Sand (b/a) 34.9
13. Soil Morphology (Natural Soil Samples Only):
Structure of Soil Horizon Tested subangular_blocky
Consistency of Soil Horizon Tested: Dry Moist friable
14. Soil Permeability Class rating (Based upon average textural analysis of this replicate and other replicate samples)

K3

I hereby certify that the information furnished on Form #C 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. 58:04-1 et seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14-8.

Signature of Site Evaluator  Date: 11/14/06

Signature of Professional Engineer
License No. 39904


Gregory E. Yannaccone
Yannaccone, Villa & Aldrich, LLC
460 Main Street
Chester, NJ 07930

MUNICIPALITY CHESTER Twp.APPLICATION FOR PERMIT TO CONSTRUCT/ALTER/REPAIR
AN INDIVIDUAL SUBSURFACE SEWAGE DISPOSAL SYSTEM

Form 4 General Design Data:

Block 26.01 Lot 36

1. Volume of Sanitary Sewage, gal 800
☒ Residential: no. of Dwelling Units 1 Total No. of Bedrooms 5
 _____ 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 _____
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: Replace existing seepage pits with a new disposal field
3. System Components:
 a) Grease Trap Capacity, gals _____
 Show Calculation Used: _____
 b) Septic Tank capacities, gals: ☒ First (single) Compartment 1250
 _____ 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 8 Total length 352 Pipe Size 4" Spacing 3'-0"
 f) Connecting Pipe: Size 4" Length 32'
 g) Manifold: Size _____ Length _____
 h) Disposal Field: Type of Installation SPB
 Design Permeability (Percolation Rate) 6.24 in/hr
 Trenches: Width _____ Total Length _____ Bed: Area 1300
 i) Seepage Pits: Design Percolation Rate _____
 Number of Pits _____ Total Percolating Area Provided _____
4. Attachments (Check Items Included):
☒ General Plan of System Showing Locations 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 U.S.G.S Soil survey.
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 11/14/06



11-10-67
11-10-67

2010000 FEET

(Joins sheet 27)

MORRIS COUNTY, NEW JERSEY NO. 26

Soil map of Morris County, New Jersey, based on aerial photography, 1957, and field observations. Positions of 5,000 foot grid ticks are approximate and based on the New Jersey coordinate system. The map was prepared by the United States Department of Agriculture, Soil Conservation Service, the New Jersey Agricultural Experiment Station, and the College of Agriculture and Forestry, Rutgers University.

SITE IS
MAAPPED
AS PAVEN
SOILS