

SCDHHS - Environmental 110 Fifth Street, Suite 500 Salem, New Jersey 08079 856-935-7510 ext. 8448 Fax 856-935-5348

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

Form 1—General Information
Municipality
1. Type of Permit Needed (Check and Fill-in applicable categories):
a. New Construction
b. Alteration/ No Expansion or Change in Use
c. Alteration/Expansion or Change in Use
d. Alteration/Malfunctioning System
e. Repair (in-kind replacement)/ Malfunctioning system
f. Repair (in-kind replacement) System is not malfunctioning
g. Deviation from Standards
h. New system installed (existing structure)
2. Location of Project:
Municipality Block No Lot No
Street Address Zip
3. Name of Applicant (print):
4. Applicant's Present Address:
5. Applicant's Phone Number:
6. Applicant's Email Address:
7. Type Of Facility:
_ Residential
Commercial/Institutional
Specify Type of Establishment:

8. Type of Wastes to be Discharged:

Name and Title COUNTY/MUNICIPALI	
Date of Action	Signature of Authorized Agent
_ Application Approved	d Subject to Approval by NJDEP
_ Application Approved	PERMIT NUMBEREXPIRATION DATE
_ Application Denied—	Reason for Denial/Citation of Rules Violated:
FOR AGENCY USE ONL	
Signature of Applicant	Date
	e information furnished on Form 1 of this application is true. I am aware that e in this State and subject to prosecution.
_ Other—Speci	y:
_ NJDEP—Bure	au of Flood Plain Management
	ps of Engineers
_ Pinelands Cor	
11. Other Approvals/0	Certification/Waivers/Exemptions (Attach to Application):
A malfunct	oning cesspool has been identified and a conforming system must be installed.
must be installe	
	has been identified during a real property transfer and a conforming system
	chouse, latrine or pit toilet is present, a system must be installed, nust be upgraded as part of a real property transfer,
-	Question #1, above, by checking if any of the following apply):
	use of the malfunction:
•	rges to ground water (no zone of treatment)
Any manner sewage or efflu	of leakage observed from components that are not designed to emit sanitary ent.
	internal plumbing
	anitary sewage into the building served, which is not caused by a physical
	anitary sewage or effluent into portions of building below ground
	reakout of sanitary sewage or effluent onto the surface of the ground
	on of nearby wells or surface water bodies by sanitary sewage or effluent
apply):	and an analytically the type of management and the course (encored) that
9 If d. or e. in 1. above	e are checked, indicate the type of malfunction and its cause (check all that
_ Other—Speci	у Туре
_ Industrial Wa	
_ Sanitary Sewa	

Form 2a—General Site Evaluation Data BlockLot
1. Name of Site Evaluator (print):
2. Business Address of Site Evaluator:
3. Business Phone Number of Site Evaluator:
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) Existing Ground Surface Elevation Relative to 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
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
DateLicense
#
COUNTY/MUNICIPALITY

Form 2b—Soil Log and Interpretation	Block	Lot
1. Log Number Method (Check One): _	_ Profile Pit _	_ Boring
2. Soil Log Depth (inches)		
Тор-		
Bottom		
		Class: Estimated Volume % Coarse Fragment, ling—Abundance, Size and Contrast, If Present
3. Ground Water Observations:		
_ Seepage—Indicate Depth		
_ Pit/Boring Flooded—Depth after		Hours
4. Soil Limiting Zones (Check Appropriate		:
Massive Rock Substratum—Depth to To	າວວ ວກ	
		ttom
)
_ Regional Zone of Saturation—Depth to	Тор	
5. Soil Suitability Classification:		
I hereby certify that the information furn	ished on For	m 2b of this application is true and accurate. I am
		ater Pollution Control Act (N.J.S.A. 58:10A-1 et
seq.) and is subject to penalties as prescr	ibea in N.J.A.	C. /.14-8.
Signature of Site Evaluator		Date
Signature of Professional Engineer		License #
COUNTY/MUNICIPALITY		

Form 3a. Soil Pern	neability Data	Block		Lot	
Assign a number fo	or each test and a le	tter for eac	h test rep	licate. Show test da	ata and calculations on
-	e, 3f or 3g. Use one		-		
	ta—Enter data for o		-	•	
Type of Test	Test (number)	Replicat	-	Depth (inches)	Result*
permeability class minutes per inch.	rating give soil perr	neability cla est report re	iss numbe	r. For percolation t	hes per hour. For Soil est report result in is completely within 24
2. Design Permeab _ Average of Test I _ Single Replicate _ Slowest of Replic 3.	•	te: Specify ⁻	Γest Numl	oer	
3. Type of Limiting			Test Nu	mher	
Type of Enricing	20110 Identified		1001140	111501	
4. Attachments (Cl	heck items included):			
_ Form 3b—Tube I	Permeameter Test [Data—Numl			
	ermeability Class Ra			oer of Sheets	
	lation Test Data—N				
	iling Test Data—Nu neter Test Data—Nu				
	Flooding Test Data-				
thereto) is true and Control Act (N.J.S., Signature of Soil E	d accurate. I am aw A. 58:10A-1 et seq.) valuator	are that fals and is subje	sification of ect to pen	of data is a violation alties as prescribed	
Signature of Profe	ssional Engineer			License #	

Form 3b. Tube Permeameter Test 1. Test Number Replicate 2. Material Tested: _ Fill _ Test in	(Letter) Date Collecte	èd
3. Type of Sample: _ Undisturbed	I _ Disturbed	
4. Sample Dimensions: Inside Rad	dius of Sample Tube, R, in cm	_ Length of Sample, L, in inches
5. Bulk Density Determination (D Sample Weight (Wt. Tube Contai Sample Volume (L x 2.54cm./inch Bulk Density (Sample Wt. /Sampl	ning Sample—Wt. of Empty Tubon x 3.14R2), cc	e), grams
6. Standpipe Used: _ No _ Yes —	Indicate Internal Radius, cm	
7. Height of Water Level Above R H1At the End of Each Test		Beginning of Each Test Interval,
8. Rate of Water Level Drop (Add	-	T
Time, Start of Test Interval, t1	Time, End of Test, Interval t2	Length of Test Interval, t, minutes
9. Calculation of Permeability: K, (in/hr) = 60 min/hr x r2/R2 x L(in)/T(min) x In (H1/H2)= 60 min/	'hr x _ / _ x _ / _x in (_ / _) = _
10. Defects in the Sample (Check _ None _ Cracks _ Worm Channe _ Root Channels _ Soil/Tube Cont _ Large Gravel _ Large Roots _ Dry Soil _ Smearing _ Compacti _ Other—Specify	ls tact on	
am aware that falsification of dat seq.) and is subject to penalties a	a is a violation of the Water Poll sprescribed in N.J.A.C. 7:14-8.	this application is true and accurate. I ution Control Act (N.J.S.A. 58:10A-1 et
Signature of Professional Engineer	er	License #

Form 3c. Soil Permeability Class Rating Data	
1. Test Number Replicate (Letter)	
2. Sample Depth_Soil Pit/Boring Number_Date Collected	
3. Coarse Fragment Content:	
Total Weight of Sample, W.T., grams	
Weight of Material Retained on 2mm sieve, W.C.F., grams	_
Wt. % Coarse Fragment (W.C.F./W.T. x 100):	
4. Oven Dry Weight (24 hrs., 105°C) of 40 Gram Air Dry Sampl	e, grams, Wt
5. Hydrometer Calibration, Rc	
6. Hydrometer calibration temperature (°F)	
7. Hydrometer Reading—40 seconds, grams, R1	
Temperature of Suspension, °F	
8. Corrected Hydrometer Reading, grams, R1'	
9. Hydrometer Reading—2 hours, grams, R2	
Temperature of Suspension, °F	
10 Corrected Hydrometer Reading, grams, R2'	
11. % sand = (Wt R1')/Wt. x 100 = ()/ _ x 100 =	
12. % clay = R2'/Wt. x 100 = _/_ x 100 =	
13. Sieve Analysis:	
a. Oven Dry Wt. (2 hrs., 105°C) Total Sand Fraction (Soil Retain	ned in 0.047 mm Sieve), grams
b. Wt. of Fine Plus Very Fine Sand Fraction (Sand Passing 0.25	mm Sieve), grams
c. % Fine Plus Very Fine Sand (b/a)	
14. Soil Morphology (Natural Soil Samples Only):	
Structure of Soil Horizon Tested	
Consistence of Soil Horizon Tested: Dry Moist	
15. Soil Permeability Class Rating (Based upon average textura	al analysis of this replicate and other
replicate samples)	this application is true and accurate I am
I hereby certify that the information furnished on Form 3c of aware that falsification of data is a violation of the Water Poll	
seq) and is subject to penalties as prescribed in N.J.A.C. 7:14-8	•
Signature of Site EvaluatorSignature of Professional Engineer	
Signature of Froncosional Engineer	ысстыс п

Form 3d. Percolation Test Data

1. Test Number	Replicate (Letter)	Date Tested	
2. Depth			
3. Pre-soak:			
Sandy Textured Soil Only,	, Shortened Pre-soak—In	dicate Time Required for 12 Inches of Water to	
Drain After Second Filling, N	linutes		
Four Hour Pre-soak Comp	oleted—Indicate Result:		
Test Hole Drained Within	16 to 24 Hours After Pre	e-soak	
Test Hole Did Not Drain V	Vithin 24 Hours After Pre	e-soak	
4. Rate of Fall Data:			
a. Time Interval Selected, M	inutes		
		Interval to the Nearest 1/10th-Inch On the	
Lines Below:	o o	·	
Depth of Water, Start	Depth of Water, E	End Drop in Water	
of Interval (inches)	of Interval (inches	s) Level(Inches)	
5. Percolation Rate:			
a. Time, minutes, Required f	•	ter Level	
b. Percolation Rate = a/6 = _	_/6 = min/in		
I hereby certify that the info	rmation furnished on For	rm 3d of this application is true and accurate. I an	n
•		/ater Pollution Control Act (N.J.S.A. 58:10A-1 et	
seq.) and is subject to penal			
Signature of Site Evaluator _		Date	
Signature of Professional En			
Signature of Froncessional En	БIIIССІ	License #	

Form 3g. Basin Flooding Test Data

Signature of Professional Engineer	 License #
Signature of Site Evaluator	Date
9. I hereby certify that the information furnished on Form 3g am aware that falsification of data is a violation of the Water seq.) and is subject to penalties as prescribed in N.J.A.C. 7:14	Pollution Control Act (N.J.S.A. 58:10A-1 et
8. Result of Second 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	
6. Result of First Basin Flooding:Basin Drained within 24 Hrs.—Indicate TimeBasin Not Drained within 24 Hrs.	
5. Time of First Basin Flooding Volume of Water Added, Gal	
Not Rippable by Machine, Explosives Used	
Hardness of Rock: Rippable with Hand Tools Not Rippable with Hand Tools, Rippable by Machine	
Vertical (Parallel to Sides of Pit) Or Nearly So	
Inclined	
Horizontal (Parallel to Pit Bottom) Or Nearly So	
Orientation of Fractures:	
Tight (Closed)	
Open (Wide), Infilled with Fines—Width of Openings, mm	_
Open (Wide), Clean—Width of Openings, mm	
Type of Fractures (Check Appropriate Category):	
Average Fracture Spacing	
Name of Formation	
4. Description of Rock Substratum Within Test Zone: Type of Rock	
3. Area of Pit, ft2	
2. Depth of Pit, ft	
1. Test Number Reference Soil Log Date Tested	

Form 4. General Design Data

Signature of Professional Engineer Date	_
5. I hereby certify that the information furnished on Form 4 of this application (and attachment thereto) is true and accurate. I am aware that falsification of data is a violation of the Water Po 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	llution
_ Pump Performance Curve _ Other—Specify	
Field, Seepage Pits and Interceptor Drains	
_ X-Sections of Each System Component Including Grease Trap, Septic Tank, Dosing Tank, Disposit	sal
_ General Plan of System Showing Location of All System Components	
4. Attachments (Check items included):	
Number of Pits Total Percolating Area Provided _	
i) Seepage Pits: Design Percolation Rate	
Trenches: Width Total Length Bed: Area	
h) Disposal Field: Type of Installation Design Permeability (Percolation Rate)	
g) Manifold: Size Length	
f) Connecting Pipe: Size Length	
e) Laterals: Number _ Total Length _ Pipe Size _ Spacing _	
d) Dosing Tank Capacities, gals: Total Capacity _ Dose Volume _ Reserve Capacity	
Dosing Device: _ Pump _ Siphon	
Method: _ Gravity Flow _ Gravity Dosing _ Pressure Dosing	
c) Effluent Distribution	
Third Compartment	
b) Septic Tank Capacities, gals: _ First (Single) Compartment Second Compartment	
Show Calculation Used:	
a) Grease Trap Capacity, gals	
3. System Components:	
b) Describe Nature of Alteration or Repairs:	
_ Correct Malfunctioning System _ Other—Specify	
_ Expansion or Change in Use _ Upgrade Existing Facilities	
a) Reason for Alteration or Repair (Check appropriate categories):	
2. Alterations or Repairs	
estimate is based on water meter data, indicate source of data, frequency of readings, average flow, and maximum recorded daily reading	ually
_ Commercial/Institutional—Indicate type of establishment and show method of calculation. If	برانما
Ejector Pump YES NO Garbage Grinder YES NO Expansion Attic YES NO	
_ Residential: No. of Dwelling Units _ Total No. of Bedrooms _	
1. Volume of Sanitary Sewage, gal	

Form 5. Design of Pressure Dosing System 1. Configuration of Distribution Network: Type of Manifold: _____ End ____ 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, Hp, ft Hole Discharge Rate, Q, gpm Number of Holes per Lateral, n Lateral Discharge Rate, (Q x n) gpm 3. Manifold Length, ft Manifold Diameter, ins 4. System Discharge Rate, gpm 5. Dose Volume: Design Volume of Sewage, gal/day _____ Design Permeability, in/hr _ or Percolation Rate, min/in _____ Internal Volume of Distribution Network _____ Dose Volume _____ 6a. Pump Selection: Diameter of Delivery Pipe _____ Length of Delivery Pipe _____ Friction Loss in Delivery Pipe, Hf, ft _____ Elevation of Dosing Tank Low Water Level _____ Elevation of Lateral Invert _____ Elevation Head, He, ft Total Operating Head, Ht (Hp + Hf + He), ft ______ Pump Model Rated Horsepower Pump Discharge Rate at Total Operating Head, gpm 6b. Siphon Elevation: Diameter of Delivery Pipe _____ Length of Delivery Pipe _____ Friction Loss in Delivery Pipe, Hf, ft Velocity Head, Hv, ft Total Operating Head, Ht (Hp + Hf + Hv), ft _____ Elevation of Lateral Invert _____ Elevation of Siphon Invert_____ 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 _____